



NSW
Therapeutic
Advisory
Group Inc.

Advancing
quality use
of medicines
in NSW

TAG Mail: July – December 2020

Cumulative Listing of Reports, Publications, Medication Safety

TAG Mail – 17 Dec 2020

COVID-19 RESOURCES & ARTICLES OF INTEREST

Please click this [link](#) for the cumulative listing of COVID-19 resources in past TAG Mails.

AUSTRALIAN

Australian Government Department of Health

- Australian COVID-19 Vaccination policy - [link](#)
- COVID-19 advice on managing the health risks from COVID-19 on international flights - [link](#)
- Newmarch House COVID-19 Outbreak Independent Review - [link](#)
- Testing of asymptomatic aged care workers – information for providers (updated) - [link](#)
- Australia secures 20 million extra Astra Zeneca vaccines - [link](#)

Australian Institute for Health and Welfare (AIHW)

- Impacts of COVID-19 on Medicare Benefits Scheme & Pharmaceutical Benefits Scheme service use - [link](#)
- Cancer screening and COVID-19 in Australia - [link](#)

Australian Prescriber

- COVID-19 vaccines – are we there yet? - [link](#)

CEC

- Hotel and airport information resources - [link](#)

National COVID-19 Clinical Evidence Taskforce

- New and Updated recommendations as at [10/12/2020](#)
- New Recommendations: Combined metabolic cofactor supplementation (CMCS), Vitamin D analogues (formerly just calcifediol, now also includes cholecalciferol)
- Updated Recommendations: Interferon β -1a, Lopinavir-ritonavir, Convalescent plasma, Favipiravir, Ivermectin, Vitamin D analogues (calcifediol/cholecalciferol), Oestrogen-containing therapies, Respiratory management of the deteriorating patient

NSW Health Critical Intelligence Unit – Evidence checks

- Deployment and vaccination plan for COVID-19 - [link](#)
- Aged care facilities and COVID-19 - [link](#)

NPS MedicineWise

Podcast: Episode 20: Medicines for COVID-19 – where did we land? - [link](#)

INTERNATIONAL

WHO

- Evidence to recommendations for COVID-19 vaccines: a framework to inform the assessment of evidence and formulation of subsequent COVID-19 vaccine recommendations - [link](#)

- Pandemic fatigue: reinvigorating the public to prevent COVID-19: policy framework for supporting pandemic prevention and management (updated) - [link](#)
- Refugee and migrant health in the context of the COVID-19 pandemic: assessment tool for response at municipal level in the WHO European Region - [link](#)
- Stop the COVID-19 pandemic from becoming an AMR (Antimicrobial resistance) catastrophe - [link](#)
- COVID-19 vaccine introduction and deployment costing tool - [link](#)
- 'Science in 5' webinar series: [Episode 16](#) COVID-19 How vaccines work?
- Manufacturing, safety and quality control of vaccines - [link](#)
- Responsible media reporting on COVID-19 vaccines - [link](#)
- A systematic approach to monitoring and analysing public health and social measures (PHSM) in the context of the COVID-19 pandemic: underlying methodology and application of the PHSM database and PHSM Severity Index - [link](#)

Canada

- Health Canada – MedEffect Notices
- Pfizer-BioNTech COVID-19 vaccine: recommendations for people with serious allergies - [link](#)
- Canadians warned not to buy COVID-19 vaccines sold online or from unauthorized sources - [link](#)
- National Collaborating Centre for Methods and Tools
- Rapid Review Update 1: What risk factors are associated with COVID-19 outbreaks and mortality in long-term care facilities and what strategies mitigate risk? - [link](#)
- Rapid Review: What is the evidence for COVID-19 transmission in acute care settings? - [link](#)

UK

- Department of Health and Social Care
- REACT-1 study of coronavirus transmission: November 2020 final results - [link](#)
- NHS England Specialist Pharmacy Service (SPS)
- Summary of COVID-19 medicines guidance: [Endocrine system disorders](#), [Skin disorders](#)
- Pharmacy Institutional Readiness for Management of vaccine. Guidance for Chief Pharmacists- [link](#)
- Standard Operating Procedures for Pfizer-BioNTech vaccine: [Preparation](#) of vaccine syringes for administration at end user locations; [Receiving and storing](#) vaccine at PCN designated sites; [Preparing](#) vaccine at PCN designated sites; [Disposing](#) of damaged, unused or expired vaccine at PCN designated sites; Dealing with [spillages and breakages](#) of vaccine at PCN sites; [Poster](#) to support staff when handling Pfizer-BioNTech COVID-19 vaccine
- Medicines Optimisation Guidance:
 - Pfizer-BioNTech COVID-19 Vaccine: [Summary of guidance](#) for Healthcare Professionals; Excipients [information](#); Using the vaccine in patients with [porphyria](#); [Contraindications and cautions](#) summary for the Vaccine
 - Drug monitoring: factors to consider during Covid-19 - [link](#)
 - Guidance on the management of drugs requiring monitoring during COVID-19 - [link](#)
 - Access to medicines information resources by pharmacy teams during COVID-19 - [link](#); by hospital pharmacy teams during COVID-19 - [link](#)
- NHS
- Standard operating procedure: COVID-19 local vaccination services deployment in community settings - [link](#)
- MHRA
- COVID-19 Therapeutic Alert: Azithromycin in the Management of COVID-19 (SARS-CoV-2) positive patients - [link](#)
- Confirmation of guidance to vaccination centres on managing allergic reactions following COVID-19 vaccination with the Pfizer/BioNTech vaccine - [link](#)
- Public Health England
- COVID-19 vaccination programme webpage [link](#). Updated training resources and guidance:
 - COVID-19 vaccination training slide set
 - COVID-19 vaccination e-learning programme
 - Guidance for commissioners and providers of services for people who use drugs or alcohol - [link](#)
- Royal College of Obstetricians & Gynaecologists
- Guidance for antenatal screening and ultrasound in pregnancy in the coronavirus (COVID-19) pandemic. Information for healthcare professionals - [link](#)
- Royal College of Paediatrics and Child Health
- National guidance for the recovery of elective surgery in children - [link](#)

USA

- Centers for Disease Control and Prevention
- Summary of Guidance for Public Health Strategies to Address High Levels of Community Transmission of SARS-CoV-2 and Related Deaths - [link](#)
- The Advisory Committee on Immunization Practices' Interim Recommendation for Allocating Initial Supplies of COVID-19 Vaccine - United States - [link](#)
- FDA
- FDA Takes Key Action in Fight against COVID-19 by Issuing EUA for First COVID-19 Vaccine - [link](#)
- King Guide to Parenteral Admixtures
- COVID-19 Vaccine Product Information - [link](#)

JOURNAL ARTICLES

BMJ

- Vaccinating the UK: how the covid vaccine was approved, and other questions answered - [link](#)
- Influence of prior comorbidities and chronic medications use on the risk of COVID-19 in adults: a population-based cohort study in Tarragona, Spain - [link](#)
- Comparative evaluation of clinical manifestations and risk of death in patients admitted to hospital with covid-19 and seasonal influenza: cohort study - [link](#)
- Rwanda's secret weapon against covid-19: trust - [link](#)
- Reserving coronavirus disease 2019 vaccines for global access: cross sectional analysis - [link](#)
- Global, regional, and national estimates of target population sizes for covid-19 vaccination: descriptive study - [link](#)
- Opinion: Harm reduction principles can help us restore trust in public health messaging on covid-19 - [link](#)
- Letter: Shepherding preprints through a pandemic - [link](#)

British Journal of Clinical Pharmacology

- Review: Challenges of drug development during the COVID-19 pandemic: Key considerations for clinical trial designs - [link](#)

Bulletin of the World Health Organisation

- Ensuring equitable access to COVID-19 vaccines - [link](#)

Cell

- Functional SARS-CoV-2-Specific Immune Memory Persists after Mild COVID-19 - [link](#)

Cochrane

- A supplement on collaborating in response to COVID-19 - [link](#)
- What is the accuracy of changes in white blood cell (WBC) count for diagnosing COVID-19? - [link](#)
- For pregnant and postpartum women, does targeted client communication improve maternal and neonatal health? - [link](#)

Diabetes Care

- Association between Achieving Inpatient Glycemic Control and Clinical Outcomes in Hospitalized Patients with COVID-19: A Multicenter, Retrospective Hospital-Based Analysis - [link](#)

Emergency Medicine Australasia

- Epidemiology and clinical features of emergency department patients with suspected COVID-19: Insights from Australia's 'second wave' (COVID-4) - [link](#)

Emerging Infectious Diseases

- COVID-19 and Fatal Sepsis Caused by Hypervirulent *Klebsiella pneumoniae*, Japan, 2020 - [link](#)

European Heart Journal

- Coronavirus disease 2019 in adults with congenital heart disease: a position paper from the ESC working group of adult congenital heart disease, and the International Society for Adult Congenital Heart Disease - [link](#)

European Journal of Epidemiology

- Assessing the age specificity of infection fatality rates for COVID-19: systematic review, meta-analysis, and public policy implications - [link](#)

Euro Surveillance

- Community use of face masks and similar barriers to prevent respiratory illness such as COVID-19: a rapid scoping review - [link](#)

Gene Therapy

- Gene editing and RNAi approaches for COVID-19 diagnostics and therapeutics - [link](#)

Infection Control & Hospital Epidemiology

- Change in Hospital Antibiotic Use and Acquisition of Multidrug Resistant Gram-Negative Organisms after the Onset of Coronavirus Disease 2019 - [link](#)

JAMA

- All-Cause Excess Mortality and COVID-19–Related Mortality among US Adults Aged 25-44 Years, March-July 2020 (Research Letter) - [link](#)

- Readmission and Death after Initial Hospital Discharge Among Patients with COVID-19 in a Large Multihospital System (Research Letter) - [link](#)

- Viewpoint: Behaviourally Informed Strategies for a National COVID-19 Vaccine Promotion [Program](#)

- Viewpoint: Evaluating SARS-CoV-2 Vaccines after Emergency Use Authorization or Licensing of Initial Candidate Vaccines - [link](#)

JAMA Internal Medicine

- Evaluation of Cloth Masks and Modified Procedure Masks as Personal Protective Equipment for the Public during the COVID-19 Pandemic - [link](#)

- Viewpoint: Scientific Rigor in the Age of COVID-19 - [link](#)

JAMA Network Open

- Household Transmission of SARS-CoV-2: A Systematic Review and Meta-analysis - [link](#)

- Risk Factors Associated With In-Hospital Mortality in a US National Sample of Patients with COVID-19 - [link](#)

JAMA Psychiatry

- Viewpoint: Maximizing the Uptake of a COVID-19 Vaccine in People with Severe Mental Illness A Public Health Priority - [link](#)

Journal of Medical Internet Research

- COVID-19 misinformation in Australia: key groups and trends over time in a national longitudinal survey - [link](#)

The Lancet

- Review: Defining and managing COVID-19-associated pulmonary aspergillosis: the 2020 ECMM/ISHAM consensus criteria for research and clinical guidance - [link](#)

- HIV infection and COVID-19 death: a population-based cohort analysis of UK primary care data and linked national death registrations within the OpenSAFELY platform - [link](#)

- Rapid triage for COVID-19 using routine clinical data for patients attending hospital: development and prospective validation of an artificial intelligence screening test - [link](#)

- Trajectories of anxiety and depressive symptoms during enforced isolation due to COVID-19 in England: a longitudinal observational study - [link](#)

- SARS-CoV-2 infection and transmission in educational settings: a prospective, cross-sectional analysis of infection clusters and outbreaks in England - [link](#)

- Defining and managing COVID-19-associated pulmonary aspergillosis: the 2020 ECMM/ISHAM consensus criteria for research and clinical guidance - [link](#)

Molecular Psychiatry

- Social media and smartphone app use predicts maintenance of physical activity during Covid-19 enforced isolation in psychiatric outpatients - [link](#)

Nature Communications

- Male sex identified by global COVID-19 meta-analysis as a risk factor for death and ITU (Intensive Treatment Unit) admission - [link](#)

New England Journal of Medicine

- Baricitinib plus Remdesivir for Hospitalized Adults with Covid-19 - [link](#)
- Safety and Efficacy of the BNT162b2 mRNA Covid-19 Vaccine - [link](#)
- Phase 1–2 Trial of a SARS-CoV-2 Recombinant Spike Protein Nanoparticle Vaccine - [link](#)
- Podcast: Homelessness, Social Medicine and COVID-19 - [link](#)

Public Library of Science (PLOS)

- False-negative results of initial RT-PCR assays for COVID-19: A systematic review - [link](#)

Public Health Research and Practice

- The Australian health system response to COVID-19 from a resilient health care perspective: what have we learned - [link](#)
- Impact of COVID-19 on healthcare activity in NSW, Australia - [link](#)
- Health literacy and disparities in COVID-19–related knowledge, attitudes, beliefs and behaviours in Australia - [link](#)

[Science](#)

- [Inferring the effectiveness of government interventions against COVID-19](#) - [link](#)

Scientific Reports

- Multidisciplinary approach to COVID-19 risk communication: a framework and tool for individual and regional risk assessment - [link](#)
- Identifying side effects of commonly used drugs in the treatment of Covid 19 - [link](#)
- Strategic spatiotemporal vaccine distribution increases the survival rate in an infectious disease like Covid-19 - [link](#)

Vaccine

- How to ensure we can track and trace global use of COVID-19 vaccines? - [link](#)

REPORTS AND PUBLICATIONS – AUSTRALIA

Agency for Clinical Innovation, NSW (ACI)

- The Big Wee Problem at Sydney Children’s Hospital Network - [link](#)

AHHA

- AHHA Healthcare in Brief — 11 December 2020 - [link](#)

Australian Institute for Health and Welfare (AIHW)

- Mental health services in Australia - [link](#)
- Emergency department care - [link](#)
- Hospital safety and quality - [link](#)
- Hospitals - [link](#)
- Alcohol, tobacco & other drugs in Australia - [link](#) ([Fact sheets](#) for various patient populations)

TGA

- Over-the-counter access to low dose cannabidiol - [link](#)
- Fact sheet: Advertising therapeutic goods that are only sold to health professionals - [link](#)
- AusPARs:
 - [Voretigene neparvovec](#) (Luxturna) indicated for patients with inherited retinal dystrophy caused by pathological biallelic RPE65 mutations and who have sufficient viable retinal cells as determined by the treating physician
 - [Defibrotide](#) (Defitelio) indicated for severe hepatic veno-occlusive disease (also known as sinusoidal obstruction syndrome) in haematopoietic stem-cell transplantation therapy
 - [Alanylglutamine](#) (Dipeptiven) indicated as part of a clinical nutrition regimen in patients in hypercatabolic and/or hypermetabolic states. It should be given together with parenteral nutrition.

- [Entrectinib](#) (Rozlytrek) indicated for . adult patients with advanced non-small cell lung cancer (NSCLC) whose tumours are ROS1-positive.
- Australian prescription medicine decision summaries:
- [Teriparatide](#) (Terrosa) approved to treat osteoporosis in postmenopausal women and primary osteoporosis in men - [link](#)

REPORTS AND PUBLICATIONS – INTERNATIONAL

Agency for Healthcare Research and Quality (AHRQ) USA

- Outcome Measure Harmonization and Data Infrastructure for Patient-Centered Outcomes Research in Depression - [link](#)

Canadian Agency for Drugs and Technologies in Health

- Rapid Response
- Latent Tuberculosis Infection Testing in People with Compromised Immunity Prior to Biologic Therapy: A Review of Diagnostic Accuracy, Clinical Utility, and Guidelines - [link](#)
- Brivaracetam versus Levetiracetam for Epilepsy: A Review of Comparative Clinical Safety - [link](#)
- Oxygen Concentrators versus Standard Tank Oxygen for Patients Requiring Oxygen Supplementation: Clinical and Cost-Effectiveness - [link](#)
- Codeine for Pain Related to Osteoarthritis of the Knee and Hip: A [Review](#) of Clinical Effectiveness
- Antidepressants for Geriatric Patients with Liver Disease and Mood or Anxiety Disorder: [Guidelines](#)

electronic Medicines Compendium (eMC) (UK)

- New products
- Solu-Medrone ([methylprednisolone sodium succinate](#)) - reformulated as lactose-free formulation (replaced by sucrose).
- Desizon ([zonisamide](#)) oral suspension – now may be swallowed directly from the oral syringe provided, followed by a glass of water, or diluted in a glass of water or orange juice. It can be mixed with yoghurt to mask its taste. The suspension may also be administered via a feeding tube.
- Ibrance ([palbociclib](#)) - for HR-positive, HER2-negative locally advanced or metastatic breast cancer, in combination with an aromatase inhibitor; or in combination with fulvestrant in women who have received prior endocrine therapy.
- Myopridin ([pridinol](#)) - for central and peripheral muscle spasms (lumbar pain, torticollis, general muscle pain) in adults.
- Biquelle ([quetiapine fumarate](#)) XL prolonged-release tablets - for schizophrenia, bipolar disorder, and as add-on treatment of major depressive episodes in patients who have had sub-optimal response to antidepressant monotherapy.
- [Melatonin](#) 3 and 5 mg capsules - for short-term treatment of jet-lag in adults.
- Symkevi 50 mg/75 mg ([tezacaftor/ivacaftor](#)) - new strength. For patients with cystic fibrosis (CF) aged ≥6 years, who are homozygous for F508del mutation or who are heterozygous for F508del mutation and have one of specific mutations CFTR gene.
- Revolade ([eltrombopag olamine](#)) oral suspension - as with film-coated tablets, oral suspension is indicated for patients ≥ 1 year with primary immune thrombocytopenia, adults with chronic hepatitis C virus and thrombocytopenia, and adults with acquired severe aplastic anaemia.
- Licence extensions
- Zirabev ([bevacizumab](#)) - revised to include license extension for use in combination with paclitaxel, topotecan or pegylated liposomal doxorubicin in adults with platinum-resistant recurrent epithelial ovarian, fallopian tube, or primary peritoneal cancer under specific conditions.

European Medicines Agency (EMA)

- European CHMP recommends approval of:
- [Fedratinib](#) (Inrebic) for primary myelofibrosis and of myelofibrosis secondary to polycythaemia vera or essential thrombocythaemia.
- [Fostemsavir](#) (Rukobia) for multidrug resistant HIV-1 infection.
- [Glucagon](#) (Ogluo) - ready-to-use formulation intended for subcutaneous injection and indicated for the treatment of severe hypoglycaemia in adults, adolescents, and children aged 2 years and over with diabetes mellitus.
- [Hepatitis B surface antigen](#) (Heplisav B) - for immunisation against hepatitis B virus infection.

- [Insulin aspart biosimilar](#) (Kixelle) - has comparable quality, safety and efficacy to the reference product NovoRapid and is indicated for treatment of diabetes mellitus in adults, adolescents and children aged 1 year and above.
 - [Lenalidomide](#) generic brands- Studies have demonstrated the satisfactory quality of lenalidomide Krka, lenalidomide Krka d.d. and lenalidomide Krka d.d Novo mestro and their bioequivalence to the reference product Revlimid.
 - [Moxetumomab pasudotox](#) (Lumoxiti) – for treatment of relapsed or refractory hairy cell leukaemia
 - [Potassium citrate / potassium hydrogen carbonate](#) (Sibnaya) - for distal renal tubular acidosis.
 - [Selpercatinib](#) (Retsevmo) - for RET-fusion positive non-small cell lung cancer, RET-fusion positive thyroid cancer and RET-mutant medullary-thyroid cancer.
 - [Sunitinib](#) (Sunitinib Accord) - demonstrated satisfactory quality of Sunitinib Accord, and its bioequivalence to the reference product Sutent® with license recommended for the same indications.
 - [Trastuzumab deruxtecan](#) (Enhertu) – for treatment of metastatic HER2-positive breast cancer.
 - [Tucatinib](#) (Tukysa) - for treatment of HER2-positive locally advanced or metastatic breast cancer.
- European CHMP recommends approval of licence extension of:
- [Avatrombopag](#) (Doptelet) – for treatment of primary chronic immune thrombocytopenia in adult patients who are refractory to other treatments (e.g. corticosteroids, immunoglobulins)
 - [Avelumab](#) (Bavencio) - as monotherapy, first-line maintenance treatment of adult patients with locally advanced or metastatic urothelial carcinoma who are progression-free following platinum-based chemotherapy.
 - [Clopidogrel](#) (Plavix) - in combination with acetylsalicylic acid, is for adults with moderate to high-risk TIA (ABCD2 score ≥ 4) or minor IS (NIHSS ≤ 3) within 24 hours of either the TIA or IS event.
 - [Esketamine](#) (Spravato) - for treatment of adults with a moderate to severe episode of major depressive disorder, as acute short-term treatment in conjunction with oral antidepressant therapy, for the rapid reduction of depressive symptoms, which constitute a psychiatric emergency
 - [Pembrolizumab](#) (Keytruda) – as monotherapy, for first line treatment of metastatic microsatellite instability high or mismatch repair deficient colorectal cancer in adults.
 - [Remdesivir](#) (Veklury) – for COVID-19 in adults and adolescents (aged 12 years and older with body weight at least 40 kg) with pneumonia requiring supplemental oxygen (low- or high-flow oxygen or other non-invasive ventilation at start of treatment).
 - [Romiplostim](#) (Nplate) – for primary immune thrombocytopenia (ITP) in adults and treatment of chronic primary ITP in paediatric patients aged one year and older who are refractory to other treatments (e.g. corticosteroids, immunoglobulins).
 - [Upadacitinib](#) (Roinvoq) – for active psoriatic arthritis in adults who have responded inadequately to, or who are intolerant to one or more DMARDs and for treatment of active ankylosing spondylitis in adults who have responded inadequately to conventional therapy.

Faculty of General Dental Practice UK

- Antimicrobial Prescribing in Dentistry: Good Practice Guidelines, 3rd Edition - [link](#)

Food and Drug Administration (FDA) USA

- FDA Approves First-of-its-Kind Intentional Genomic Alteration in Line of Domestic Pigs for Both Human Food, Potential Therapeutic Uses - [link](#)

National Academy of Medicine

- Technology Assessment: Artificial Intelligence in Health Care. Benefits and Challenges of Technologies to Augment Patient Care - [link](#)

NHS England

- Health Survey for England 2019 - [link](#)

National Institute for Health and Clinical Excellence (NICE) UK

- Peripheral arterial disease: diagnosis and management – Clinical Guideline ([CG147](#))
- Osteoarthritis: care and management – Clinical Guideline ([CG177](#))
- Low back pain and sciatica in over 16s: assessment and management – guideline ([NG59](#))
- Drug-eluting stents for the treatment of coronary artery disease – ([TA152](#))
- Guidance on the use of coronary artery stents – ([TA71](#))
- Atezolizumab with bevacizumab for treating advanced or unresectable hepatocellular carcinoma – guidance ([TA666](#))

- Caplacizumab with plasma exchange and immunosuppression for treating acute acquired thrombotic thrombocytopenic purpura – guidance ([TA667](#))

Public Health England

- Hepatitis C in England and the UK (updated) - [link](#)

Royal College of Ophthalmologists

- Clinical Guidelines: Hydroxychloroquine and Chloroquine Retinopathy - Recommendations on Monitoring - [link](#). Summary [link](#)

Specialist Pharmacy Services

- Why breastfeeding is important and how pharmacy can help - [link](#)
- Advising on medicines regimens during breastfeeding - [link](#)

The National Academies Press

- Childhood Cancer and Functional Impacts across the Care Continuum - [link](#)

MEDICATION SAFETY

electronic Medicines Compendium (eMC) (UK)

- Revised SPCs

- Actiq ([fentanyl](#)) lozenges - sleep apnoea syndrome added as potential adverse effect (frequency unknown). Opioid use increases the risk of central sleep apnoea (CSA) in a dose-dependent fashion. In patients who present with CSA, consider decreasing opioid dose.
- Quofenix ([delafloxacin meglumine](#)) - updated to warn of cases of: aortic aneurysm and dissection, sometimes complicated by rupture (including fatalities); and, regurgitation/incompetence of any of the heart valves.
- Dermovate ([Clobetasol propionate](#)) - central serous chorioretinopathy added as a very rare adverse reaction, reported after use of systemic and topical corticosteroids.
- Zydol XL ([tramadol](#)) - use with caution in patients with intracranial lesions, reduced level of consciousness of uncertain origin, and constipation. Information on concomitant use with sedative medicines and on influence of opioids on the HPA axis added.
- Myalepta ([metreleptin](#)) injection - notes that autoimmune disorder progression/flare have been observed in some patients; a causal relationship not established but close monitoring recommended and the benefits and risks of use in patients with autoimmune diseases carefully considered.
- Luxturna ([voretigene neparvovec](#)) - vitreous opacities added as ADR (unknown frequency).

- Maxtrex ([methotrexate](#)) tablets - skin exfoliation, dermatitis exfoliative, paraesthesia, hypoaesthesia and oedema added as adverse effects.

- Tecfidera ([dimethyl fumarate](#)) - updated as a result of a confirmed case of progressive multifocal leukoencephalopathy in the setting of mild lymphopenia.

Health Canada

- Summary Safety Review: Clobazam-containing products - Assessing the Potential Risk of Drug Reaction with Eosinophilia and Systemic Symptoms- [link](#)
- Elmiron (pentosan polysulfate sodium) and the Risk of Pigmentary Maculopathy - [link](#)

Institute for Safe Medication Practices (ISMP) USA

- Medication Safety Alert! [December 17, 2020](#)

- Building Bridges to Safety: ISMP 23rd Annual Cheers Awards
- Prevent shoulder injuries during COVID-19 vaccinations
- Naloxone, verapamil, and glycopyrrolate look-alike vials
- Error reporting mandatory for Emergency Use Authorization (EUA) drugs
- Paralyzing agent vial caps without warnings into 2022
- Tranexamic acid labeling changes coming
- The first five letters are not always enough
- Australia halts syringe use for vinCRISTine injection

Medicines and Healthcare products Regulatory Agency (MHRA) UK

- Letters to Healthcare Professionals

-- [Diphenhydramine \(Nytol\)](#): removal of the allergy indication; should only be sold as an adult sleep aid

Medsafe (New Zealand Medicines and Medical Devices Safety Authority)

- Potential interaction between fluoxetine and levothyroxine (updated) - [link](#)

PAPERS OF INTEREST

American Journal of Health-System Pharmacy (AHJP)

- Navigating uncharted waters: Developing a standardized approach for evaluating and implementing biosimilar products at a comprehensive cancer center - [link](#)

BMJ Quality and Safety

- Patient-centred care delivered by general practitioners: a qualitative investigation of the experiences and perceptions of patients and providers - [link](#)

British Journal of Clinical Pharmacology

- Establishing dose-bands for commonly prescribed oral medications for children in the UK: Results of a Delphi study - [link](#)

- The impact of ABCB1 and CES1 polymorphisms on dabigatran pharmacokinetics and pharmacodynamics in patients with atrial fibrillation - [link](#)

- Quantitative relationship between infliximab exposure and inhibition of C-reactive protein synthesis to support inflammatory bowel disease management - [link](#)

- Impact of Lipophilic Versus Hydrophilic Statins on the Clinical Outcome and Biomarkers of Remodeling in Heart Failure Patients: A Prospective Comparative Randomized Study - [link](#)

- Population Pharmacokinetics and Exposure-Response Analysis of Tigecycline in Patients with Hospital-Acquired Pneumonia - [link](#)

- Optimization of voriconazole therapy for treatment of invasive aspergillosis: Pharmacogenomics and inflammatory status need to be evaluated - [link](#)

- Population pharmacokinetics of vancomycin in patients with external ventricular drain-associated ventriculitis - [link](#)

- Review of pharmacological options for the treatment of Chagas disease - [link](#)

British Journal of General Practice

- Natural history of non-bullous impetigo: A systematic review of time to resolution or improvement without antibiotic treatment - [link](#)

- Prevalence of Erectile Dysfunction in Male Cancer: a Systematic Review and Meta-Analysis of Cross-Sectional Studies - [link](#)

- Potentially inappropriate prescribing in people with chronic kidney disease: cross-sectional analysis of a large population cohort - [link](#)

British Journal of Psychiatry

- Cost and health impacts of adherence to the National Institute for Health and Care Excellence schizophrenia guideline recommendations - [link](#)

British Medical Journal (BMJ)

- Effect of therapeutic suggestions during general anaesthesia on postoperative pain and opioid use: multicentre randomised controlled trial - [link](#)

BMJ Heart

- Discontinuation of oral anticoagulation in atrial fibrillation and risk of ischaemic stroke - [link](#)

BMJ Open

- Effects of interorganisational information technology networks on patient safety: a realist synthesis - [link](#)

Circulation

- Temporal Changes in Secondary Prevention and Cardiovascular Outcomes after Revascularization for Peripheral Arterial Disease in Denmark: A Nationwide Cohort Study - [link](#)

- Risk of Cardiovascular Outcomes in Type 2 Diabetes Patients Following Addition of SGLT2 Inhibitors Versus Sulfonylureas to Baseline GLP-1RA Therapy - [link](#)
- Stroke Prevention in Atrial Fibrillation, Looking Forward - [link](#)

Cochrane

- N-acetylcysteine for non-paracetamol (acetaminophen) - related acute liver failure - [link](#)
- Anti-IL-5 therapies for chronic obstructive pulmonary disease - [link](#)
- Melatonin for preoperative and postoperative anxiety in adults - [link](#)
- Magnesium sulphate for treating acute bronchiolitis in children up to two years of age - [link](#)
- Pharmacological interventions for preventing clotting of extracorporeal circuits during continuous renal replacement therapy - [link](#)
- Effects of low sodium diet versus high sodium diet on blood pressure, renin, aldosterone, catecholamines, cholesterol, and triglyceride - [link](#)
- Abiraterone acetate in combination with androgen deprivation therapy compared to androgen deprivation therapy only for metastatic hormone-sensitive prostate cancer - [link](#)
- Acupuncture for chronic nonspecific low back pain - [link](#)
- Trypanocidal drugs for late-stage, symptomatic Chagas disease (Trypanosoma cruzi infection) - [link](#)
- Vitamin D supplementation for term breastfed infants to prevent vitamin D deficiency and improve bone health - [link](#)
- Early treatment versus expectant management of hemodynamically significant patent ductus arteriosus for preterm infants - [link](#)

European Heart Journal

- The risk of cardiac events in patients receiving immune checkpoint inhibitors: a nationwide Danish study - [link](#)
- Vegetarians, fish, poultry, and meat-eaters: who has higher risk of cardiovascular disease incidence and mortality? A prospective study from UK Biobank - [link](#)

European Journal of Hospital Pharmacy

- Development and validation of a ready-to-use score to prioritise medication reconciliation at patient admission in an orthopaedic and trauma department - [link](#)

Health Affairs

- Using Detection And Attribution To Quantify How Climate Change Is Affecting Health - [link](#)
- Measuring The Impact Of Air Pollution On Health Care Costs - [link](#)
- Estimating The Costs Of Inaction And The Economic Benefits Of Addressing The Health Harms Of Climate Change - [link](#)

Health Expectations

- Optimizing a digital intervention for managing blood pressure in stroke patients using a diverse sample: Integrating the person-based approach and patient and public involvement - [link](#)

Internal Medicine Journal

- Polypharmacy And The Use Of Low Or Limited Value Medications In Advanced Cancer - [link](#)

International Journal for Quality in Health Care

- The validity and reliability of self-reported satisfaction with healthcare as a measure of quality: a systematic literature review - [link](#)

International Psychogeriatrics

- Can the PROPER intervention reduce psychotropic drug prescription in nursing home residents with dementia? Results of a cluster-randomized controlled trial - [link](#)

JAMA

- Effect of Capecitabine Maintenance Therapy Using Lower Dosage and Higher Frequency vs Observation on Disease-Free Survival Among Patients With Early-Stage Triple-Negative Breast Cancer Who Had Received Standard Treatment: The SYSUCC-001 Randomized Clinical Trial - [link](#)
- Association between Depressive Symptoms and Incident Cardiovascular Diseases - [link](#)

- Effect of Intravitreal Aflibercept vs Vitrectomy with Panretinal Photocoagulation on Visual Acuity in Patients With Vitreous Hemorrhage from Proliferative Diabetic Retinopathy: A Randomized Clinical Trial - [link](#)

JAMA Network Open

- Comparison of Treatments for Frozen Shoulder: A Systematic Review and Meta-analysis - [link](#)
- Total Neoadjuvant Therapy vs Standard Therapy in Locally Advanced Rectal Cancer: A Systematic Review and Meta-analysis - [link](#)
- Comparison of Rates of Overdose and Hospitalization after Initiation of Medication for Opioid Use Disorder in the Inpatient vs Outpatient Setting - [link](#)
- Prescribing Prevalence of Medications with Potential Genotype-Guided Dosing in Pediatric Patients - [link](#)
- Effect of a Social Norm Email Feedback Program on the Unnecessary Prescription of Nimodipine in Ambulatory Care of Older Adults: A Randomized Clinical Trial - [link](#)
- Parent-Reported Symptoms and Medications Used among Children with Severe Neurological Impairment - [link](#)

JAMA Neurology

- Efficacy of nilotinib in Patients with Moderately Advanced Parkinson Disease: A Randomized Clinical Trial - [link](#)

JAMA Otolaryngology–Head & Neck Surgery

- Validation of Hearing Loss Prediction Tool for Cisplatin Chemotherapy and Radiation in Head and Neck Cancer Treatment - [link](#)

JAMA Pediatrics

- Obesity Genes and Weight Loss during Lifestyle Intervention in Children with Obesity - [link](#)

JAMA Psychiatry

- Risk of Suicide among Patients with Parkinson Disease - [link](#)

JAMIA (Journal of the American Medical Informatics Association)

- Automated model versus treating physician for predicting survival time of patients with metastatic cancer - [link](#)
- Electronic consultations and clinician burnout: An antidote to our emotional pandemic? - [link](#)
- Smart hospital infrastructure: geomagnetic in-hospital medical worker tracking - [link](#)

Journal of the American Pharmacists Association

- Pharmacist counselling when dispensing naloxone by standing order: A secret shopper study of 4 chain pharmacies - [link](#)

Journal of the Australian Healthcare & Hospitals Association

- Sociocognitive approach to behaviour change for reducing low-value care - [link](#)
- Building trust and transparency: health consumer organisation–pharmaceutical industry relationships - [link](#)

Journal of Palliative Medicine

- Deprescribing in the Home Palliative Setting - [link](#)

Journal of Patient Safety and Risk Management

- What is the role of technology in improving patient safety? A French, German and UK healthcare professional perspective - [link](#)
- Improving the quality of the daily ward round in a Plastic Surgery unit by adapting the SAFE Ward Round Tool of the Royal College of Surgeons of Edinburgh - [link](#)

Lancet

- Review: Retinal vascular occlusions - [link](#)
- Seminar: Male infertility - [link](#)
- Seminar: Primary biliary cholangitis - [link](#)

- Safety and immunogenicity of two novel type 2 oral poliovirus vaccine candidates compared with a monovalent type 2 oral poliovirus vaccine in healthy adults: two clinical trials - [link](#)
- Effectiveness of adjunctive clindamycin in β -lactam antibiotic-treated patients with invasive β -haemolytic streptococcal infections in US hospitals: a retrospective multicentre cohort study - [link](#)
- Oral rimegepant for preventive treatment of migraine: a phase 2/3, randomised, double-blind, placebo-controlled trial - [link](#)
- Dabigatran etexilate for the treatment of acute venous thromboembolism in children (DIVERSITY): a randomised, controlled, open-label, phase 2b/3, non-inferiority trial - [link](#)
- Effectiveness of adjunctive clindamycin in β -lactam antibiotic-treated patients with invasive β -haemolytic streptococcal infections in US hospitals: a retrospective multicentre cohort study - [link](#)

Molecular Diversity Preservation International (MDPI) – Pharmacy Journal

- Expanding Pharmacy Capacity for Patient-Centered Reproductive Health Services - [link](#)
- Prioritizing Technology in Pharmacy Education: A Document Analysis of Strategic Plans - [link](#)
- Pharmacists' Knowledge, Attitude and Practice Regarding the Dispensing of Antibiotics without Prescription in Tanzania: An Exploratory Cross-Sectional Study - [link](#)
- Implementation of Smart Infusion Pumps: A Scoping Review and Case Study Discussion of the Evidence of the Role of the Pharmacist - [link](#)
- Use of Alfentanil in Palliative Care - [link](#)

Medical Journal of Australia

- Australian recommendations for the management of hepatocellular carcinoma: a consensus statement - [link](#)

National Institute for Health Research (NIHR) Signals

- Supported self-management for people with asthma is the most effective model of care - [link](#)
- Careful phrasing of requests by hospital staff could help people with dementia accept care - [link](#)
- The long term severity of psychosis could be predicted by an early test of coordination and balance - [link](#)

New England Journal of Medicine

- Mortality with Paclitaxel-Coated Devices in Peripheral Artery Disease - [link](#)
- Trial of Dexamethasone for Chronic Subdural Hematoma - [link](#)
- Podcast: The Discovery of Hepatitis C and progress in preventing and treating chronic infection - [link](#)

Pediatrics

- Development of a Quality Improvement Learning Collaborative to Improve Pediatric Sepsis Outcomes - [link](#)
- Effects of Probiotics in Preterm Infants: A Network Meta-analysis - [link](#)

Pharmacotherapy

- Immunosuppression considerations in simultaneous organ transplant - [link](#)
- Physiologically based pharmacokinetic modeling of tramadol to inform dose adjustment and drug-drug interactions according to CYP2D6 phenotypes - [link](#)
- Implications for Body Weight Extremes in Solid Organ Transplantation – [link](#)

Public Library of Science (PLOS)

- Hospitalizations among adults with chronic kidney disease in the United States: A cohort study - [link](#)
- Cardiovascular health metrics from mid- to late-life and risk of dementia: A population-based cohort study in Finland - [link](#)
- Thresholds of glycemia, insulin therapy, and risk for severe retinopathy in premature infants: A cohort study - [link](#)

Thrombosis and Haemostasis

- New Rapid and Cost-Effective Tool for Monitoring DOACs - [link](#)
- Risk of Acute Kidney Injury after Intravenous Contrast Media Administration in Patients with Suspected Pulmonary Embolism: A Propensity-Matched Study - [link](#)

TAG Mail – 10 Dec 2020

COVID-19 RESOURCES & ARTICLES OF INTEREST

Please click this [link](#) for the cumulative listing of COVID-19 resources in past TAG Mails.

AUSTRALIAN

CEC

- Infection Prevention and Control Application of PPE during COVID-19 - [link](#)

National COVID-19 Clinical Evidence Taskforce

- New and Updated recommendations as at [03/12/2020](#)
- New Recommendations: Dutasteride, Menopausal hormone therapy in women with mild or moderate COVID-19, Menopausal hormone therapy in women with severe or critical COVID-19, Oestrogen-containing contraception in women with mild or moderate COVID-19, Oestrogen-containing contraception in women with severe or critical COVID-19

NSW Health Critical Intelligence Unit – Evidence checks

- Routine border screening evidence check - [link](#)

TGA

- COVID-19 vaccines undergoing evaluation - [link](#)
- Access Consortium statement on COVID-19 vaccines evidence - [link](#)

INTERNATIONAL

WHO

- 'Science in 5' webinar series: [Episode 15](#) COVID-19 Vaccine distribution
- Health workforce policy and management in the context of the COVID-19 pandemic response: interim guidance - [link](#)

Europe

-- EMA starts rolling review of Janssen's COVID-19 vaccine - [link](#)

- UK

-- British Society of Rheumatology

--- Clinical guide during the COVID-19 pandemic for the management of patients with musculoskeletal and rheumatic conditions who are using corticosteroids - [link](#)

--GOV.UK

--- Guidance COVID-19: the green book, chapter 14a (UK Immunisation Against Infectious Disease Resource) - [link](#)

-- London: Department of Health & Social Care

--- COVID-19 vaccinations and care homes: programme launch - [link](#)

--- Press Release: Over half a million people taking part in pioneering COVID-19 research - [link](#)

-- NHS England

--- Rapid policy statement for: Ruxolitinib for Chronic Graft versus Host Disease ([RPS 2010](#)); for acute graft versus host disease ([RPS 2009](#))

-- NHS England SPS

--- Summary of COVID-19 medicines guidance: [Allergy and immunology](#), [Stroke](#), [Cardiovascular system disorders](#), [Mental health and illness](#), [Policy, Commissioning and Managerial](#)

-- MHRA

--- Regulatory approval of Pfizer / BioNTech vaccine for COVID-19 - [link](#)

-- Public Health England

--- COVID-19 vaccination programme webpage [link](#). Guidance for:

--- Healthcare practitioners (updated) - [link](#)

--- Older adults - [link](#)

--- Healthcare workers - [link](#)

--- Social care staff - [link](#)

--- Women of childbearing age, currently pregnant, planning a pregnancy or breastfeeding - [link](#)

--- What to expect after vaccination - [link](#)

--Royal Pharmaceutical Society
--- RPS Statement on the role of pharmacists in the COVID-19 Vaccination Programme - [link](#)

USA

-The Joint Commission
-- Hospital Q&A webinar [link](#). Presentation slides [link](#)

JOURNAL ARTICLES

American Journal of Health-System Pharmacy

- Providing pharmacy services in a basketball arena: Reflections on building a pharmacy in a COVID-19 surge facility - [link](#)
- Practicing during a pandemic: The role of a new pharmacy practitioner - [link](#)
- ASHP principles for COVID-19 vaccine distribution, allocation, and mass immunization - [link](#)

American Journal of Transplantation

- CDC Report: Decreased influenza activity during the COVID-19 pandemic—United States, Australia, Chile, and South Africa, 2020 - [link](#)

Annals of Internal Medicine

- Hydroxychloroquine as Postexposure Prophylaxis to Prevent Severe Acute Respiratory Syndrome Coronavirus 2 Infection, RCT - [link](#)
- Dynamics and Correlation among Viral Positivity, Seroconversion, and Disease Severity in COVID-19 - [link](#)
- Letter: COVID-19 Symptoms: Longitudinal Evolution and Persistence in Outpatient Settings - [link](#)

Arthritis and Rheumatology

- American College of Rheumatology Guidance for the Management of Rheumatic Disease in Adult Patients during the COVID-19 Pandemic: Version 3 - [link](#)

BMJ Open

- Association between statin use and outcomes in patients with coronavirus disease 2019 (COVID-19): a nationwide cohort study - [link](#)

BMJ Thorax

- SARS-CoV-2 infection and adverse outcomes in users of ACE inhibitors and angiotensin-receptor blockers: a nationwide case-control and cohort analysis - [link](#)

British Journal of Cancer

- COVID-19 vaccine race: watch your step for cancer patients - [link](#)

Diabetes Care

- COVID-19 Severity Is Tripled in the Diabetes Community: A Prospective Analysis of the Pandemic's Impact in Type 1 and Type 2 Diabetes - [link](#)

European Journal of Hospital Pharmacy

- Investigating the challenges and opportunities for medicines management in an NHS field hospital during the COVID-19 pandemic - [link](#)

Healthcare

- Rapid Telehealth Implementation during the COVID-19 Global Pandemic: A Rapid Review - [link](#)

International Journal of Environmental Research and Public Health

- Association of Individual Health Literacy with Preventive Behaviours and Family Well-Being during COVID-19 Pandemic: Mediating Role of Family Information Sharing - [link](#)

JAMA Dermatology

- Mucocutaneous Manifestations of Multisystem Inflammatory Syndrome in Children during the COVID-19 Pandemic - [link](#)

JAMA Network Open

- Rate of Pediatric Appendiceal Perforation at a Children's Hospital during the COVID-19 Pandemic Compared with the Previous Year- [link](#)
- Underage Youth and Young Adult e-Cigarette Use and Access Before and During the Coronavirus Disease 2019 Pandemic - [link](#)

JAMA Paediatrics

- Viewpoint: COVID-19 Pandemic Health Disparities and Pediatric Health Care—The Promise of Telehealth - [link](#)
- Evaluation of Rooming-in Practice for Neonates Born to Mothers with Severe Acute Respiratory Syndrome Coronavirus 2 Infection in Italy - [link](#) (Editorial)

JAMA Psychiatry

- The Healthy Brain and Child Development Study—Shedding Light on Opioid Exposure, COVID-19, and Health Disparities - [link](#)
- Research Letter: Overdose-Related Cardiac Arrests Observed by Emergency Medical Services during the US COVID-19 Epidemic - [link](#)

JAMIA (Journal of the American Medical Informatics Association)

- A call to strengthen data in response to COVID-19 and beyond - [link](#)

Journal of Korean Medical Science

- Evidence of Long-Distance Droplet Transmission of SARS-CoV-2 by Direct Air Flow in a Restaurant in Korea - [link](#)

Journal of Patient Experience

- Evaluating the Telehealth Experience of Patients with COVID-19 Symptoms: Recommendations on Best Practices - [link](#)

Lancet

- Detecting COVID-19 infection hotspots in England using large-scale self-reported data from a mobile application: a prospective, observational study - [link](#)
- Effect of internationally imported cases on internal spread of COVID-19: a mathematical modelling study - [link](#)
- Report: South Africa and India push for COVID-19 patents ban - [link](#)
- Metformin and risk of mortality in patients hospitalised with COVID-19: a retrospective cohort analysis - [link](#)
- Comment: Variability in counselling for adrenal insufficiency in COVID-19 and beyond: a survey of rheumatology practice - [link](#)
- Fungal infections should be part of the core outcome set for COVID-19 ([correspondence](#), authors [reply](#))
- Safety and efficacy of the ChAdOx1 nCoV-19 vaccine (AZD1222) against SARS-CoV-2: an interim analysis of four randomised controlled trials in Brazil, South Africa, and the UK - [link](#)
- Comment: Oxford–AstraZeneca COVID-19 vaccine efficacy - [link](#)
- Personal view: The granting of emergency use designation to COVID-19 candidate vaccines: implications for COVID-19 vaccine trials – [link](#)

New England Journal of Medicine

- Perspective: Placebo-Controlled Trials of Covid-19 Vaccines - Why We Still Need Them - [link](#)

[Public Health Research and Practice](#)

- [The Australian health system response to COVID-19 from a resilient health care perspective: what have we learned?- link](#)
- Impact of COVID-19 on healthcare activity in NSW, Australia – [link](#)

REPORTS AND PUBLICATIONS – AUSTRALIA

AHHA

- AHHA Healthcare in Brief — 4 December 2020 - [link](#)

Australian Commission on Safety and Quality in Health Care (ACSQHC)

- National Safety and Quality Digital Mental Health Standards (the standards support the delivery of high quality and safe care including counselling, treatment and peer-to-peer support services via telephone, videoconference, websites, SMS, webchat and mobile apps) - [link](#)

Australian Institute for Health and Welfare (AIHW)

- Incidence of insulin-treated diabetes in Australia - [link](#)
- Indicators for the Australian National Diabetes Strategy 2016–2020: data update - [link](#)
- Tracking progress against the Implementation Plan goals for the Aboriginal and Torres Strait Islander Health Plan 2013–2023 - [link](#)

Department of Health

- Coronavirus (COVID-19) resources for Aboriginal and Torres Strait Islander people and remote communities - [link](#)

REPORTS AND PUBLICATIONS – INTERNATIONAL

Canadian Agency for Drugs and Technologies in Health

- Direct Observational Therapy for the Treatment of Tuberculosis: A Review of Clinical Evidence and Guidelines - [link](#)
- Drug Deactivation Devices for Disposal of Pain Medications: Clinical Effectiveness, Cost-Effectiveness, and Guidelines - [link](#)

electronic Medicines Compendium (eMC) (UK)

- Vimpat ([lacosamide](#)) – now includes license extension as adjunctive therapy in treatment of primary generalized tonic-clonic seizures in patients with idiopathic generalized epilepsy aged ≥ 4 years.

Food and Drug Administration (FDA) USA

- CDER Focuses on Novel Drug Development Tools to Help Speed Creation of New Therapies - [link](#)
- New Drug approvals
- Gallium 68 PSMA-11 - For detection and localization of prostate cancer - [link](#)
- Berotralstat (Orladeyo) - To treat patients with hereditary angioedema - [link](#)

Institute for Healthcare Improvement

- A Guide for Health Systems to Save Lives from “Deaths of Despair” and Improve Community Well-Being - [link](#)

Neonatal & Paediatric Pharmacists Group

- Choosing an Oral Liquid Medicine for Children: Position statement 2020-01 - [link](#)

National Institute for Health and Clinical Excellence (NICE) UK

- Liraglutide for managing overweight and obesity – guidance ([TA664](#))
- Upadacitinib for treating severe rheumatoid arthritis – guidance ([TA665](#))
- Venetoclax with obinutuzumab for untreated chronic lymphocytic leukaemia – guidance ([TA663](#))

Public Health England

- Guidance: Inactivated influenza vaccine: information for healthcare practitioners - [link](#)
- Guidance for healthcare professionals on infection control and clinical aspects of M. chimaera infection associated with cardiopulmonary bypass - [link](#)
- Palliative and end of life care – Information and resources for health and social care professionals - [link](#)

Specialist Pharmacy Services

- Advising on medicines regimens during breastfeeding - [link](#)
- Why breastfeeding is important and how pharmacy can help - [link](#)
- RMO London: Palliative and End of Life Care MAAR Chart - [link](#)

World Health Organisation (WHO)

- WHO Guidelines on physical activity and sedentary behaviour - [link](#)
- Global vaccine action plan: monitoring, evaluation and accountability: secretariat annual [report](#) 2020

MEDICATION SAFETY

electronic Medicines Compendium (eMC) (UK)

- Revised SPCs
- Praluent ([alirocumab](#)) - now advises that experience of alicumab in paediatric patients is limited to 18 patients aged 8 to 17 years with homozygous familial hypercholesterolaemia.
- Kanuma ([sebelipase alfa](#)) - revised with further dosing information and safety data.
- Lyrica ([pregabalin](#)) - updated to warn of reports of severe respiratory depression; dose adjustments may be necessary in at-risk patients (e.g. compromised respiratory function, respiratory or neurological disease, renal impairment, on CNS depressants and elderly).
- Tassigna ([nilotinib](#)) - updated with warning about combination with those statins mainly eliminated by CYP3A4, as may increase the potential for statin-induced myopathy, including rhabdomyolysis.
- [Estradot](#) - updated regarding the risk of breast cancer, following the PRAC signal recommendation for HRT medicinal products.
- Humira ([adalimumab](#)) – indication extended for treatment of ulcerative colitis for patients > 6 years old who have had an inadequate response to corticosteroids and/or 6-mercaptopurine or azathioprine, or who are intolerant to or have medical contraindications.
- Olumiant ([baricitinib](#)) – dose dependent increases in blood alanine transaminase and aspartate transaminase activity reported in patients treated with baricitinib vs. placebo; events of diverticulitis and gastrointestinal perforation reported in trials and post-marketing.
- Oruvail ([ketoprofen](#)) – now warns ketoprofen can mask symptoms of infection, which may lead to delayed initiation of appropriate treatment and worsening outcome.

Food and Drug Administration (FDA) USA

- FDA Alerts Healthcare Professionals about the Risk of Medication Errors with Tranexamic Acid Injection Resulting in Inadvertent Intrathecal (Spinal) Injection - [link](#)
- New studies show sitagliptin and sitagliptin/metformin combination are not proven to improve blood sugar control in paediatric patients - [link](#)
- FDA approves weight management drug (liraglutide) for patients aged 12 and older - [link](#)

Health Canada – MedEffect Notice

- Summary Safety Review
- Injectable bacitracin products: Assessing the Potential Risks of Nephrotoxicity and Anaphylactic Reactions - [link](#)
- Direct-acting antiviral products containing a Protease Inhibitor - Assessing the Potential Risks of Hepatic Decompensation and Hepatic Failure - [link](#)

Healthcare Safety Investigation Branch (HSIB)

- Procurement, usability and adoption of 'smart' infusion pumps report – [link](#)

Medsafe (New Zealand Medicines and Medical Devices Safety Authority)

- Prescriber Update [December 2020](#), some articles include:
 - Spotlight on empagliflozin
 - New COVID-19 section on the Medsafe website
 - Do not use oral sedating antihistamines for sedation of children
 - Fluconazole – OK to use in pregnancy?
 - The Medsafe Files – Episode 14: Biosimilar medicines
 - Medicines Monitoring: Bupropion
 - Gathering knowledge from adverse reaction reports: December 2020
 - Dissecting systemic VEGF inhibitors: effects on arteries
 - A bitter-Sweet syndrome with potential autoimmune connections
 - Acute generalised exanthematous pustulosis (AGEP)

TGA

- Tandem t:slim X2 insulin pump: Safety advisory - battery and charging issues – [link](#)
- Antidepressant utilisation and risk of suicide in young people - [link](#)

- [Tranlycypromine](#) (Parnate) Extension of shortage until 31 January 2021

PAPERS OF INTEREST

American Journal of Cardiology

- Meta-Analysis of Safety and Efficacy of Direct Oral Anticoagulants Versus Warfarin According to Time in Therapeutic Range in Atrial Fibrillation - [link](#)

American Journal of Health-System Pharmacy (AHJP)

- Comparison of intermittent audit vs daily documentation of pharmacist interventions - [link](#)
- Medication synchronization service for patients with multiple myeloma within a health system-based specialty pharmacy - [link](#)
- ASHP Therapeutic Position Statement on the Use of Antipsychotic Medications in the Treatment of Adults with Schizophrenia and Schizoaffective Disorder - [link](#)
- Plasma concentrations resulting from continuous infusion of meropenem in a community-based outpatient program: A case series - [link](#)
- Review of nonopioid multimodal analgesia for surgical and trauma patients - [link](#)

Annals of Internal Medicine

- The Effects of Four Doses of Vitamin D Supplements on Falls in Older Adults: A Response-Adaptive, Randomized Clinical Trial - [link](#)

Annals of the Rheumatic diseases

- Points to consider for the treatment of immune mediated inflammatory diseases with Janus kinase inhibitors (JAKi): a consensus statement - [link](#)

Arthritis and Rheumatology

- Lifetime risks, life expectancy and healthcare expenditures for rheumatoid arthritis—A nationwide cohort followed from 2003 to 2016 – [link](#)
- Rheumatoid Arthritis Pathogenesis, Prediction, and Prevention: An Emerging Paradigm Shift - [link](#)

BMC Medicine

- Transformational improvement in quality care and health systems: the next decade - [link](#)

BMJ Quality and Safety

- Association between paediatric intraoperative anaesthesia handover and adverse postoperative outcomes - [link](#)

British Journal of Clinical Pharmacology

- Feasibility and safety of tailored dosing schedule for eculizumab based on therapeutic drug monitoring: Lessons from a prospective multicentric study - [link](#)
- Trends in polypharmacy and potentially inappropriate medication (PIM) in older and middle-aged people treated for diabetes - [link](#)
- Poisoning related to therapeutic error in prolonged low-dose methotrexate treatment - [link](#)
- Cognitive decline associated with anticholinergics, benzodiazepines, and Z-drugs: findings from The Irish Longitudinal Study on Ageing (TILDA) - [link](#)
- Commentary: Drug therapy during pregnancy - [link](#)
- Review: Therapeutic drug monitoring of anti-tumour necrosis factor- α agents in inflammatory bowel disease: Limits and improvements - [link](#)
- Hypophosphataemia after treatment of iron deficiency with intravenous ferric carboxymaltose or iron isomaltoside—a systematic review and meta-analysis - [link](#)
- Eltrombopag as first-line treatment for thrombocytopenia among paediatric patients after allogeneic haematopoietic stem cell transplantation - [link](#)
- Confounding factors in exposure-response analyses and mitigation strategies for monoclonal antibodies in oncology - [link](#)

British Journal of General Practice

- Trends in diabetes medication use in Canada, England, Scotland and Australia: a repeated cross-sectional analysis (2012-2017) - [link](#)
- Impact of guidance publication on primary care prescribing rates of simple analgesia: an interrupted time series analysis in England - [link](#)

British Medical Journal (BMJ)

- Clinical Review: Cancer of unknown primary - [link](#)
- Cancer risk in individuals with major birth defects: large Nordic population based case-control study among children, adolescents, and adults - [link](#)

BMJ DTB

- Safety of oral fluconazole in early pregnancy - [link](#)

BMJ Thorax

- British Thoracic Society (BTS) Clinical Statement on pulmonary sarcoidosis - [link](#)

Cochrane

- Paediatric formulations of artemisinin-based combination therapies for treating uncomplicated malaria in children - [link](#)
- Interventions for itch in people with advanced chronic kidney disease - [link](#)
- Interventions for leg cramps in pregnancy - [link](#)
- Bisphosphonates or RANK-ligand-inhibitors for men with prostate cancer and bone metastases: a network meta-analysis - [link](#)
- Immunoglobulin for myasthenia gravis - [link](#)
- First-line therapy for adults with advanced renal cell carcinoma: a systematic review and network meta-analysis - [link](#)
- Adjunctive systemic antimicrobials for the non-surgical treatment of periodontitis - [link](#)
- Interventions for basal cell carcinoma of the skin - [link](#)
- Intravitreal steroids for macular edema in diabetes - [link](#)
- Pharmacotherapies for sleep disturbances in dementia - [link](#)

European Heart Journal

- [Long-term clinical outcomes of losartan in patients with Marfan syndrome: follow-up of the multicentre randomized controlled COMPARE trial](#) - [link](#)
- Short dual antiplatelet therapy followed by P2Y12 inhibitor monotherapy vs. prolonged dual antiplatelet therapy after percutaneous coronary intervention with second-generation drug-eluting stents: a systematic review and meta-analysis of randomized clinical trials - [link](#)
- The risk of cardiac events in patients receiving immune checkpoint inhibitors: a nationwide Danish study - [link](#)

European Journal of Hospital Pharmacy

- [Development and validation of a ready-to-use score to prioritise medication reconciliation at patient admission in an orthopaedic and trauma department](#) - [link](#)
- Risk factors for emergency department revisit in elderly patients with gastrointestinal bleeding secondary to anticoagulant therapy - [link](#)

Health Expectations

- I am ready to see you now, Doctor! A mixed-method study of the Let's Discuss Health website implementation in Primary Care - [link](#)

Health Equity

- Lifetime Prevalence and Correlates of Patient-Perceived Medical Errors Experienced in the U.S. Ambulatory Setting: A Population-Based Study - [link](#)

International Journal of Clinical Practice

- Impact of Ramadan-focused diabetes education on hypoglycaemia risk and metabolic control for patients with type 2 diabetes mellitus: A systematic review - [link](#)

International Journal of Nursing Studies

- Continuity of care interventions for preventing hospital readmission of older people with chronic diseases: A meta-analysis - [link](#)

JAMA

- Effect of High-Dose Trivalent vs Standard-Dose Quadrivalent Influenza Vaccine on Mortality or Cardiopulmonary Hospitalization in Patients with High-risk Cardiovascular Disease

A Randomized Clinical Trial - [link](#)

- [Effect of Co-trimoxazole \(Trimethoprim-Sulfamethoxazole\) vs Placebo on Death, Lung Transplant, or Hospital Admission in Patients with Moderate and Severe Idiopathic Pulmonary Fibrosis](#)

The EME-TIPAC Randomized Clinical Trial - [link](#)

- [Special Communication: Managing Asthma in Adolescents and Adults](#)

[2020 Asthma Guideline Update from the National Asthma Education and Prevention Program](#) - [link](#)

JAMA Cardiology

- Objective Risk Assessment vs Standard Care for Acute Coronary Syndromes: A Randomized Clinical Trial - [link](#)

- Mechanical Complications of Acute Myocardial Infarction: A Review - [link](#)

JAMA Network Open

- Association of Display of Patient Photographs in the Electronic Health Record with Wrong-Patient Order Entry Errors - [link](#)

- Association between Benzodiazepine Use With or Without Opioid Use and All-Cause Mortality in the United States, 1999-2015 - [link](#)

- Association of Neoadjuvant Chemotherapy with Overall Survival in Women With Metastatic Endometrial Cancer - [link](#)

- Assessment of Trends in Second Primary Cancers in Patients with Metastatic Melanoma From 2005 to 2016 - [link](#)

- High-Dose Vitamin D Supplementation in Pregnancy and Neurodevelopment in Childhood: A Prespecified Secondary Analysis of a Randomized Clinical Trial - [link](#)

- Effect of Routine Cytochrome P450 2D6 and 2C19 Genotyping on Antipsychotic Drug Persistence in Patients with Schizophrenia: A Randomized Clinical Trial - [link](#)

- Bisphosphonate Treatment beyond 5 Years and Hip Fracture Risk in Older Women - [link](#)

- Association of Posttraumatic Stress and Depressive Symptoms with Mortality in Women - [link](#)

- Frequency and Risk Factors of Acute Kidney Injury during Diabetic Ketoacidosis in Children and Association With Neurocognitive Outcomes - [link](#)

- Effect of Pharmacogenetic Testing for Statin Myopathy Risk vs Usual Care on Blood Cholesterol: A Randomized Clinical Trial - [link](#)

JAMA Neurology

- Association between Prehospital Tranexamic Acid Administration and Outcomes of Severe Traumatic Brain Injury - [link](#)

JAMIA (Journal of the American Medical Informatics Association)

- How effective are electronic medication systems in reducing medication error rates and associated harm among hospital inpatients? A systematic review and meta-analysis - [link](#)

Journal of Medical Internet Research Medical Informatics

- Impact of Remote Consultations on Antibiotic Prescribing in Primary Health Care: Systematic Review - [link](#)

Journal of Palliative Medicine

- Rapid Buprenorphine Induction for Cancer Pain in Pregnancy - [link](#)

Journal of Patient Experience

- Improving Sleep in Intensive Care Unit: An Overview of Diagnostic and Therapeutic Options - [link](#)

Lancet

- Dabigatran etexilate for the treatment of acute venous thromboembolism in children (DIVERSITY): a randomised, controlled, open-label, phase 2b/3, non-inferiority trial - [link](#)

- Review: Enhancing anti-tumour efficacy with immunotherapy combinations - [link](#)

- Seminar: Iron deficiency - [link](#)
- Longitudinal evaluation of risk factors and outcomes of blood stream infections due to Staphylococcus species in persons with HIV: An observational cohort study - [link](#)
- Peroxisome proliferator-activated receptor α as a novel therapeutic target for schizophrenia - [link](#)

Molecular Diversity Preservation International (MDPI) – Pharmacy Journal

- Stakeholders' Perceptions of Factors Influencing the Use of Take-Home-Naloxone - [link](#)
- Clinic- and Hospital-Based Home Care, Outpatient Parenteral Antimicrobial Therapy (OPAT) and the Evolving Clinical Responsibilities of the Pharmacist - [link](#)
- The Evolving Role and Impact of Integrating Pharmacists into Primary Care Teams: Experience from Ontario, Canada - [link](#)

National Institute for Health Research (NIHR)

- Rituximab improves survival in children with non-Hodgkin's lymphoma - [link](#)
- Addressing misconceptions about eczema could help people manage their condition over the long term - [link](#)

New England Journal of Medicine

- Perspective: Solving Population-wide Obesity - Progress and Future Prospects – [link](#). Podcast [link](#)
- Review article: Spontaneous Coronary-Artery Dissection - [link](#)

Pediatrics

- A Quality Improvement Initiative To Improve Postdischarge Antimicrobial Adherence - [link](#)
- Invasive Bacterial Infections in Afebrile Infants Diagnosed with Acute Otitis Media - [link](#)

Pharmaceutical Medicine

- Opinion: Strategies to Reduce Errors Associated with 2-Component Vaccines - [link](#)

Pharmacotherapy

- Pharmacotherapy for Durable Left Ventricular Assist Devices - [link](#)
- Higher Medication Complexity in Persons with HIV is Associated with Lower Tenofovir Diphosphate in Dried Blood Spots - [link](#)
- Review: Emerging Therapies for the Treatment of Non-Alcoholic Steatohepatitis: A Systematic Review - [link](#)

Public Library of Science (PLOS)

- Bariatric surgery for patients with type 2 diabetes mellitus requiring insulin: Clinical outcome and cost-effectiveness analyses - [link](#)
- Evaluating the relationship between alcohol consumption, tobacco use, and cardiovascular disease: A multivariable Mendelian randomization study - [link](#)
- Dose-dependent oral glucocorticoid cardiovascular risks in people with immune-mediated inflammatory diseases: A population-based cohort study - [link](#)

TAG Mail – 3 Dec 2020

COVID-19 RESOURCES & ARTICLES OF INTEREST

Please click this [link](#) for the cumulative listing of COVID-19 resources in past TAG Mails.

AUSTRALIAN

Australian Journal of General Practice

- Diagnosis and treatment of post-traumatic stress disorder during the COVID-19 pandemic - [link](#)
- Psychological consequences of social isolation and quarantine: Issues related to COVID-19 restrictions - [link](#)

CEC

- COVID-19 Infection Prevention and Control Guidance for Visiting Patients in Healthcare Facilities (Updated) - [link](#)
- Christmas decorations and Infection Prevention and Control poster - [link](#)

National COVID-19 Clinical Evidence Taskforce

New and Updated recommendations as at [26/11/2020](#)

- New Recommendations: bamlanivimab, fluvoxamine, intravenous immunoglobulin, VTE prophylaxis for children and adolescents
- Updates to existing guidance: hydroxychloroquine, remdesivir for children or adolescents

TGA

- TGA statement on UK government emergency use authorisation related to the COVID-19 vaccine BNT162b2 supplied by Pfizer and BioNTech - [link](#)
- COVID-19 vaccines undergoing evaluation - [link](#)

INTERNATIONAL

WHO

- The WHO Academy's COVID-19 mobile learning app - [link](#)
- 'Science in 5' webinar series: [Episode 14](#) COVID-19 Tests
- Evidence to recommendations: COVID-19 mitigation in the aviation sector, interim guidance- [link](#)
- Rapid hospital readiness checklist: a module from the suite of health service capacity assessments in the context of the COVID-19 pandemic: interim guidance [link](#), associated readiness checklist [here](#)
- Mask use in the context of COVID-19: interim guidance, 1 December 2020 - [link](#)

UK

- Care Quality Commission (UK)
- Monitoring the Mental Health Act in 2019/20: The Mental Health Act in the coronavirus (COVID-19) pandemic - [link](#)
- GOV.UK
- COVID-19: the green book, chapter 14a (Provisional guidance subject to MHRA approval of vaccine supply) - [link](#)
- NHS England
- COVID-19 vaccination deployment strategy and operational readiness - [link](#)
- Interim Position Statement: Tocilizumab for patients admitted to ICU with COVID-19 pneumonia (adults) - [link](#)
- What are the considerations when crushing tablets or opening capsules in a care home setting? (Updated) - [link](#)
- Primary Care Cardiovascular Society
- CVD prevention during the COVID-19 pandemic: a guide for primary care - [link](#)
- Medicine Quality Research Group, University of Oxford
- Medical Product Quality Reports COVID-19 issues [October 2020](#)
- provides substandard and falsified (SF) medical reports from across the world which include: data from scientific literature, public alerts and warnings, and lay press

USA

Institute for Healthcare Improvement

- Hospital Preparedness for a COVID-19 Surge: Assessment Tool - [link](#)

JOURNAL ARTICLES

Annals of Internal Medicine

- Annals On Call Podcast - A Primer on COVID-19 Vaccines - [link](#)
- Update Alert 6: Risks and Impact of Angiotensin-Converting Enzyme Inhibitors or Angiotensin-Receptor Blockers on SARS-CoV-2 Infection in Adults - [link](#)

Australian Critical Care

- Beyond the ventilator: Rehabilitation for critically ill patients with coronavirus disease 2019 - [link](#)

Brain Behav Immun Health

- Pandemics and Pre-existing Mental Illness: A Systematic Review and Meta-analysis - [link](#)

British Journal of Clinical Pharmacology

- Risk assessment of therapeutic agents under consideration to treat COVID-19 in paediatric patients and pregnant women - [link](#)
- Review: Efficacy and safety outcomes of proposed randomized controlled trials investigating hydroxychloroquine and chloroquine during the early stages of the COVID-19 pandemic - [link](#)
- Racing to immunity: Journey to a COVID-19 vaccine and lessons for the future - [link](#)

BMJ

- Editorial: Vaccinating the UK against covid-19 - [link](#)
- Editorial: Remdesivir: a pendulum in a pandemic - [link](#)
- Will covid-19 vaccines be cost effective—and does it matter? - [link](#)

BMJ Open

- Sex and age differences in clinically significant symptoms of depression and anxiety among people in Australia in the first month of COVID-19 restrictions: a national survey - [link](#)

British Society of Rheumatology

- Clinical guide during the COVID-19 pandemic for the management of patients with musculoskeletal and rheumatic conditions who are using corticosteroids - [link](#)

Euro Surveillance

- Where has all the influenza gone? The impact of COVID-19 on the circulation of influenza and other respiratory viruses, Australia, March to September 2020 - [link](#)

JAMIA (Journal of the American Medical Informatics Association)

- Clinical Informatics during the COVID-19 Pandemic: Lessons Learned and Implications for Emergency Department and Inpatient Operations - [link](#)

MedRxiv

- Clinical trials in covid-19 management & prevention: a meta-epidemiological study examining methodological quality - [link](#)

Nature Medicine

- Effective control of SARS-CoV-2 transmission in Wanzhou, China - [link](#)

New England Journal of Medicine

- Repurposed Antiviral Drugs for Covid-19 — Interim WHO Solidarity Trial Results ([article](#), [editorial](#))
- Audio Interview: New Studies of Covid-19 Transmission - [link](#)
- Perspective: FDA Approval of Remdesivir — A Step in the Right Direction - [link](#)

The Journal of Infectious Diseases

- Outdoor Transmission of SARS-CoV-2 and Other Respiratory Viruses, a Systematic Review - [link](#)

Scientific Reports

- Recurrent SARS-CoV-2 RNA positivity after COVID-19: a systematic review and meta-analysis - [link](#)

REPORTS AND PUBLICATIONS – AUSTRALIA

AHHA

- AHHA Healthcare in Brief (27 November 2020) - [link](#)

Australian Institute for Health and Welfare (AIHW)

- Overweight and obesity: an interactive insight - [link](#)
- National Cervical Screening Program monitoring report 2020 - [link](#)
- Cancer screening programs: quarterly data - [link](#)
- National Oral Health Plan 2015–2024: performance monitoring report - [link](#)

Department of Health Australia

- Bushfire Smoke – General information fact sheet - [link](#)

- Department of Health Annual Report 2019–20 - [link](#)
- National Alcohol Strategy 2019–2028 - [link](#)

Heart Foundation

- Australian Heart Maps: heart disease indicators across Australia - [link](#)
- Do you live in a NSW heart-attack hot spot? New Heart Foundation figures of NSW regions with the highest and lowest rates of hospitalisations from heart attack - [link](#)

National Asthma Council

- Information paper: Monoclonal antibody therapy for severe asthma - [link](#)

NSW Health Intranet

- Safety Alert Broadcast System: Heroin and cocaine containing fentanyl and acetylfentanyl - [link](#)
- Establishing a Subcutaneous Immunoglobulin Hospital Program - [link](#)

Older Persons Advocacy Network

- [Short Video](#): Medication: It's your choice. It's your right.

PBS

- Formulary Allocations - 1 December 2020 - [link](#)
- New and expanded access to medicines for the treatment of [leukemia](#), [severe back and neck pain](#), [Buruli ulcer](#) and [coronary or peripheral artery disease](#). These include:
 - Venetoclax (Venclexta®) extended for the first-line treatment of patients with chronic lymphocytic leukaemia, in combination with obinutuzumab, who have co-existing conditions and are unsuitable for fludarabine-based chemo-immunotherapy.
 - Ixekizumab (Taltz®) expanded for patients with active ankylosing spondylitis.
 - Rivaroxaban (Xarelto®) expanded for patients at high risk of recurrent cardiovascular events with coronary artery disease or peripheral artery disease.
 - Rifampicin (Rimycin 150® and 300®) expanded for Buruli ulcer (Mycobacterium ulcerans infection).

TGA

- AusPARs:
 - [Semaglutide](#) - a human glucagon-like-peptide-1 receptor agonist; for the treatment of adults with insufficiently controlled type 2 diabetes mellitus as an adjunct to diet and exercise
 - [Inactivated quadrivalent influenza vaccine \(split virion\) influenza virus haemagglutinin](#)
 - [Niraparib tosilate monohydrate \(ZEJULA\)](#) - i as monotherapy for maintenance treatment of adult patients with platinum-sensitive relapsed high grade serous epithelial ovarian, fallopian tube, or primary peritoneal cancer who are in response (complete or partial) to platinum-based chemotherapy.
 - [Ozanimod hydrochloride \(Zeposia\)](#) - for adult patients with relapsing forms of multiple sclerosis
 - [Eculizumab](#) - for patients with a) Paroxysmal Nocturnal Haemoglobinuria (PNH) to reduce haemolysis, b) atypical Haemolytic Uraemic Syndrome (aHUS), and c) adult patients with Neuromyelitis Optica Spectrum Disorder who are anti-aquaporin-4 antibody-positive.
 - [Indacaterol \(as acetate\) / mometasone furoate \(Ateectura Breezhaler\)](#) - as a once-daily maintenance treatment of asthma in adults and adolescents 12 years of age and older where use of a combination of long-acting beta2-agonist and inhaled corticosteroid is appropriate.
- Australian prescription medicine decision summaries:
 - [Reagila \(Cariprazine hydrochloride\)](#) - an atypical antipsychotic
 - [Scenesse \(Afamelanotide acetate\)](#) - a synthetic tridecapeptide and a structural analogue of α -melanocyte stimulating hormone (α -MSH); for prevention of phototoxicity in adult patients with erythropoietic protoporphyria (EPP)
 - [Enspryng \(satralizumab\)](#) - as monotherapy or in combination with immunosuppressive therapy for the treatment of adults with neuromyelitis optica spectrum disorders (NMOSD) who have an anti-aquaporin 4 antibody (AQP4)-IgG (also termed NMO-IgG) positive status.

The Royal Australian College of General Practitioners (RACGP)

- Older Australians not protected against pertussis: Study - [link](#)
- An antidepressant is now one of Australia's most commonly prescribed drugs – but why? - [link](#)
- Australian Journal of General Practice articles: Obstructive sleep apnoea in children: A child with noisy breathing and daytime sleepiness - [link](#); Acute red eye in children: A practical approach - [link](#); Q fever following a tick bite - [link](#); Undertaking medication review by telehealth - [link](#)

REPORTS AND PUBLICATIONS – INTERNATIONAL

Canadian Agency for Drugs and Technologies in Health

- Rapid Response
- Stem Cell Transplant for Multiple Sclerosis: Clinical Effectiveness, Cost-Effectiveness, and Guidelines - [link](#)
- Volumetric Cylinders versus Syringe Infusion Pumps for Administration of Intravenous Medication in Pediatric Patients: Clinical Effectiveness and Guidelines - [link](#)
- Trastuzumab Combination and Monotherapy for HER2 Advanced or Recurrent Uterine or Endometrial Cancer: A Review of Clinical Effectiveness and Cost-Effectiveness - [link](#)

electronic Medicines Compendium (eMC) (UK)

- Tremfya ([guselkumab](#)) - licence extended for use in psoriatic arthritis in adults (in combination with methotrexate), in those that have not responded adequately to, or are intolerant of prior disease-modifying antirheumatic drug therapy.

Food and Drug Administration (FDA) USA

- New Drug approvals
- [lumasiran](#) (Oxlumo®) for hyperoxaluria type 1 (metabolic disorder)
- [setmelanotide](#) (Imcivree®) for obesity and the control of hunger associated with pro-opiomelanocortin deficiency
- [naxitamab-ggqk](#) (Danyelza®) for high-risk refractory or relapsed neuroblastoma

Health Canada

- Health Product InfoWatch, [November 2020](#): benzodiazepines (BZD) and BZD-like prescription medicines, ticagrelor, ingenol mebutate gel, ondansetron risks during pregnancy

Kent Community NHS Foundation Trust

- Supporting and developing community end of life care during the COVID-19 pandemic: an example of collaborative working – [link](#)

Kings College – text books:

- The Maudsley Practice Guidelines for Physical Health Conditions in Psychiatry - [link](#)
- The Maudsley Guidelines on Advanced Prescribing in Psychosis - [link](#)

National Institute for Health and Clinical Excellence (NICE) UK

- Antimicrobial prescribing: cefiderocol (ES1) - [link](#)

Psychotropic Drug Directory

- Psychotropic Drug Directory 2020/21 book available - [link](#)

Royal College of General Practitioners UK (RCGP)

- Deafness and Hearing Loss Toolkit - [link](#)

MEDICATION SAFETY

electronic Medicines Compendium (eMC) (UK)

- Revised SPCs
- Fabrazyme ([agalsidase beta](#)) - advises initial infusion rate should be no more than 0.25mg/min (15mg/hour) to minimise potential infusion-associated reactions and may be increased gradually with subsequent infusions after patient tolerance established.
- Xagrid ([anagrelide](#)) – Clinical and biological monitoring recommended in patients taking concomitant CYP1A2 inducers (such as omeprazole) as they could decrease the exposure of anagrelide, adjust dose if necessary.

- Yellox ([bromfenac](#)) eye drops solution – additional warnings/precautions regarding the excipient benzalkonium chloride, reported to cause eye irritation, symptoms of dry eyes and may affect the tear film and corneal surface. It may be absorbed by soft contact lenses and change their colour.
- Trulicity ([dulaglutide](#))– updated to note the 1.5mg dose may be increased after at least 4 weeks to 3mg once daily and the 3mg dose to 4.5mg daily, for additional glycaemic control.
- Dupixent ([dupilumab](#)) - conjunctivitis and keratitis related events reported, predominantly in atopic dermatitis patients. Cases of anaphylactic reaction, angioedema, and serum sickness/serum sickness-like reaction also reported.
- Palladone SR ([hydromorphone](#)) - severe bronchial asthma is a new contraindication; sleep apnoea syndrome added as an adverse event. Caution use in patients with constipation and head injury.
- Recarbrio ([imipenem/cilastatin/relebactam](#))– indication extended for use in adults with hospital-acquired pneumonia (HAP), including ventilator associated pneumonia (VAP), and treatment of bacteraemia that occurs in association with, or is suspected to be associated with HAP or VAP.
- Yervoy ([ipilimumab](#)) - indication extended for use in combination with nivolumab for first-line treatment of metastatic non-small cell lung cancer in adults.
- Lenvima and Kisplyx ([lenvatinib](#)) - osteonecrosis of the jaw added as ADR (uncommon frequency).
- Duodopa ([levodopa/carbidopa](#)) intestinal gel - adverse effects including abscess, pneumonia (including aspiration pneumonia) and sepsis added or revised.
- Opdivo ([nivolumab](#)) - indication extended for adult patients with unresectable advanced, recurrent or metastatic oesophageal squamous cell carcinoma after prior fluoropyrimidine- and platinum-based combination chemotherapy.
- Esbriet ([pirfenidone](#)) - hyponatraemia and drug-induced liver injury (some fatal cases reported) added as uncommon adverse events. Discussed further in the special warnings and precautions.
- Feldene ([piroxicam](#)) - now warns of DRESS syndrome (very rare) in association with NSAID use.
- Imnovid ([pomalidomide](#)) capsules - new information on use in paediatric population added to sections: undesirable effects, pharmacodynamic properties and pharmacokinetic properties.
- Janumet ([sitagliptin/ metformin](#)) updated: not be used in people aged 10-17 years due to insufficient efficacy. Safety and pharmacokinetic data from studies added.

EMA

- Update to information on psychiatric disorders for chloroquine and hydroxychloroquine - [link](#)

Food and Drug Administration (FDA) USA

- List of Over the Counter products containing hidden active ingredient sildenafil (published on 24/11/2020) [here](#)

Institute for Safe Medication Practices (ISMP) USA

Medication Safety Alert! [December 3, 2020](#)

- Hidden Medication Loss When Using a Primary Administration Set for Small-Volume Intermittent Infusions
- Handling Lilly and Regeneron Monoclonal Antibodies Can Be Confusing
- Anatomy of a conventional vs. liposomal DOXOrubicin mix-up
- Administer adenosine rapidly for cardioversion
- Keep topical fluorouracil away from pets
- ISMP Medication Safety Self Assessment for Perioperative Settings: Coming in early 2021!

Medicines and Healthcare products Regulatory Agency (MHRA) UK

- National Patient Safety Alert: Deterioration due to rapid offload of pleural effusion fluid from chest drains - [link](#)

MIMS monthly updates – [December 2020](#)

- New products include: beclometasone dipropionate/formoterol fumarate dihydrate (Fostair), defibrotide (Defitelio), selexipag (Upravi), tafamidis (Vyndamax).
- Products with new indications include: apalutamide (Erlyand), dolutegravir/lamivudine (Dovato 50/300), pembrolizumab (Keytruda), rifampicin (Rimycin)
- New Contraindications:
 - Alemtuzumab contraindicated in patients with severe active infection; uncontrolled hypertension; history of arterial dissection of the cervicocephalic arteries, stroke, angina pectoris or myocardial infarction; or with known coagulopathy or on concomitant anticoagulant therapy.

- Dolutegravir (as sodium)/lamivudine (Dovato 50/300) must not be administered concurrently with medicinal products with narrow therapeutic windows that are substrates of organic cation transporter 2, including fampridine.
- Ibuprofen/paracetamol (Mersynofen) now contraindicated in patients with severe dehydration (caused by vomiting, diarrhoea or insufficient fluid intake).
- Orlistat (Xenical) contraindicated during pregnancy and breastfeeding.
- Teriflunomide (Aubagio) contraindicated in patients who have or have had a drug reaction with eosinophilia and systemic symptoms.
- Voriconazole (Vfend) contraindicated with concomitant ivabradine.

PAPERS OF INTEREST

American Journal of Cardiology

- Meta-analysis Comparing Outcomes of Percutaneous Coronary Intervention of Native Artery Versus Bypass Graft in Patients with Prior Coronary Artery Bypass Grafting - [link](#)
- Timing of Oral P2Y12 Inhibitor Administration in Patients with Non-ST-Segment Elevation Acute Coronary Syndrome – [link](#)

American Journal of Health-System Pharmacy (AHJP)

- Pharmacy-facilitated medication history program at a community teaching hospital: A pre-post study in an emergency department - [link](#)

Arthritis & Rheumatology

- Inflammatory myositis in cancer patients receiving immune checkpoint inhibitors - [link](#)
- Clinical Practice Guidelines by the Infectious Diseases Society of America (IDSA), American Academy of Neurology (AAN), and American College of Rheumatology (ACR): 2020 Guidelines for the Prevention, Diagnosis, and Treatment of Lyme Disease - [link](#)

BMJ Quality and Safety

- Barriers and enablers to the implementation of multidisciplinary team meetings: a qualitative study using the theoretical domains framework - [link](#)

British Journal of Clinical Pharmacology

- “There are ways ... drug companies will get into DTC decisions”: How Australian drug and therapeutics committees address pharmaceutical industry influence - [link](#)
- Effectiveness and Safety among Direct Oral Anticoagulants in Non Valvular Atrial Fibrillation: A Multi-Database Cohort Study with Meta-Analysis - [link](#)
- Dosing of factor VIII concentrate by ideal body weight is more accurate in overweight and obese hemophilia A patients - [link](#)
- Impact of CYP2D6 on serum concentrations of flupentixol, haloperidol, perphenazine and zuclopenthixol - [link](#)
- Polypharmacy, potentially inappropriate medication, and pharmacogenomics drug exposure in the Rhineland Study - [link](#)
- Review: Is there scope for better individualisation of anthracycline cancer chemotherapy? - [link](#)
- Monitoring the tacrolimus concentration in peripheral blood mononuclear cells of kidney transplant recipients - [link](#)
- Is there a safe and effective way to wean patients off long-term glucocorticoids? – [link](#)

British Journal of General Practice

- Editorial: Drugs for chronic pain - [link](#)
- Helping parents of children with respiratory infections decide when to seek medical help: an appropriateness study - [link](#)
- Influence of polypharmacy on patients with heart failure with preserved ejection fraction: a retrospective analysis on adverse outcomes in the TOPCAT trial - [link](#)
- Orthopaedic corticosteroid injections and risk of acute coronary syndrome: A cohort study - [link](#)

British Medical Journal (BMJ)

- Association between neuraxial anaesthesia or general anaesthesia for lower limb revascularisation surgery in adults and clinical outcomes: population based comparative effectiveness study - [link](#)
- Treatment interventions to maintain abstinence from alcohol in primary care: systematic review and network meta-analysis - [link](#)

BMJ Heart

- Bleeding risk with rivaroxaban compared with vitamin K antagonists in patients aged 80 years or older with atrial fibrillation - [link](#)

BMJ Drug and Therapeutics Bulletin

- Safety of topical and oral terbinafine in pregnancy - [link](#)
- Non-pharmacological interventions to reduce agitation in dementia - [link](#)

Cochrane

- Effectiveness and tolerability of dual and triple combination inhaler therapies compared with each other and varying doses of inhaled corticosteroids in adolescents and adults with asthma: a systematic review and network meta-analysis - [link](#)
- Peripheral nerve blocks for hip fractures in adults - [link](#)
- Iron chelators for acute stroke - [link](#)
- Antiandrogen or estradiol treatment or both during hormone therapy in transitioning transgender women - [link](#)
- Gene therapy for sickle cell disease - [link](#)

Contraception

- Efficacy, Safety, and Tolerability of a Levonorgestrel/Ethinyl Estradiol Transdermal Delivery System: Phase 3 Clinical Trial Results - [link](#)

European Journal of Hospital Pharmacy

- Patient prioritisation for hospital pharmacy services: current approaches in the UK - [link](#)

Health Expectations

- Health literacy experiences of multi-ethnic patients and their health-care providers in the management of type 2 diabetes in Malaysia: A qualitative study - [link](#)
- An alternate level of care plan: Co-designing components of an intervention with patients, caregivers and providers to address delayed hospital discharge challenges - [link](#)
- Shared decision making in surgery: A scoping review of the literature - [link](#)
- Patients' expectations and experiences of stem cell therapy for the treatment of knee osteoarthritis - [link](#)
- Why don't patients seek help for chronic post-surgical pain after knee replacement? A qualitative investigation - [link](#)
- Revisiting patient expectations and experiences of antibiotics in an era of antimicrobial resistance: Qualitative study - [link](#)

Internal Medicine Journal

- Examining barriers to timely waitlisting for kidney transplantation for Indigenous Australians in Central Australia - [link](#)

International Journal of Clinical Pharmacy

- Current status of opioid epidemic in the United Kingdom and strategies for treatment optimisation in chronic pain - [link](#)
- Study comparing the efficacy and renal safety for patients with diabetes switching from dapagliflozin to empagliflozin - [link](#)
- Improving access to the treatment of hepatitis C in low- and middle-income countries: evaluation of a patient assistance programme - [link](#)
- Spontaneous reports of adverse drug reactions related to oral anticoagulants in the Czech Republic - [link](#)
- Understanding management of poorly controlled pain in community-dwelling analgesic users: a qualitative study - [link](#)

International Journal for Quality in Health Care

- Association of continuity of care with readmission, mortality and suicide after hospital discharge among psychiatric patients - [link](#)
- The effects of acupuncture on post-cesarean pain and analgesic consumption: a randomized single-blinded placebo-controlled study - [link](#)

JAMA

- Effect of Cannabidiol and Δ^9 -Tetrahydrocannabinol on Driving Performance: A Randomized Clinical Trial - [link](#)
- Association of Use of a Meningococcus Group B Vaccine with Group B Invasive Meningococcal Disease Among Children in Portugal - [link](#)
- Hearing Loss in Children: A Review - [link](#)

JAMA Dermatology

- Randomized Trial Replication Using Observational Data for Comparative Effectiveness of Secukinumab and Ustekinumab in Psoriasis: A Study from the British Association of Dermatologists Biologics and Immunomodulators Register - [link](#)

JAMA Internal Medicine

- Viewpoint: Pharmacy Access to Sterile Injection Supplies for People Who Inject Drugs - [link](#)
- Financial Presentation of Alzheimer Disease and Related Dementias - [link](#)

JAMA Network Open

- Comparison of Opioids Prescribed for Patients at Risk for Opioid Misuse Before and After Publication of the Centers for Disease Control and Prevention's Opioid Prescribing Guidelines - [link](#)

JAMA Neurology

- Viewpoint: Possible Consequences of the Approval of a Disease-Modifying Therapy for Alzheimer Disease - [link](#)

JAMA Oncology

- Ibrutinib's Cardiotoxicity—An Opportunity for Postmarketing Regulation - [link](#)

JAMA Psychiatry

- Association of CYP2C19 and CYP2D6 Poor and Intermediate Metabolizer Status with Antidepressant and Antipsychotic Exposure. A Systematic Review and Meta-analysis- [link](#)
- Sequential Combination of Pharmacotherapy and Psychotherapy in Major Depressive Disorder A Systematic Review and Meta-analysis - [link](#)

JAMA Surgery

- Perioperative Cannabis as a Potential Solution for Reducing Opioid and Benzodiazepine Dependence - [link](#)

JAMIA (Journal of the American Medical Informatics Association)

- "A catalyst for action": Factors for implementing clinical risk prediction models of infection in home care settings - [link](#)
- Development of a "meta-model" to address missing data, predict patient-specific cancer survival and provide a foundation for clinical decision support - [link](#)

Journal of Clinical Nursing

- Use of an audit with feedback implementation strategy to promote medication error reporting by nurses - [link](#)

Journal of Patient Safety

- Supplying Pharmacist Home Visit and Anticoagulation Professional Consultation during Transition of Care for Patients With Venous Thromboembolism - [link](#)
- Applying the Global Trigger Tool in German Hospitals: A Pilot in Surgery and Neurosurgery - [link](#)
- Capturing Patients' Perspectives on Medication Safety: The Development of a Patient-Centered Medication Safety Framework - [link](#)
- Impact of a Nurse-Driven Diabetic Ketoacidosis Insulin Infusion Calculator on the Rate of Hypoglycemia - [link](#)

- Prevalence and Seriousness of Analgesic-Induced Adverse Events in Korea: A 10-Year Nationwide Surveillance - [link](#)
- Adverse Event Reporting: Harnessing Residents to Improve Patient Safety - [link](#)

Journal of Pharmacy Practice and Research (JPPR)

- The assessment and pharmacological management of osteoporosis after admission for minimal-trauma fracture at a major metropolitan centre - [link](#)
- Frequency and nature of drug-related problems in patients with acute coronary syndrome: role of clinical pharmacist in coronary care practice - [link](#)

Lancet

- Direct oral anticoagulants: evidence and unresolved issues - [link](#)
- Safety and efficacy of prednisone versus placebo in short-term prevention of episodic cluster headache: a multicentre, double-blind, randomised controlled trial - [link](#)
- Early versus delayed insulin pump therapy in children with newly diagnosed type 1 diabetes: results from the multicentre, prospective diabetes follow-up DPV registry - [link](#)
- How unmeasured muscle mass affects estimated GFR and diagnostic inaccuracy - [link](#)
- Pre-treatment optimization with pulmonary rehabilitation in lung cancer: Making the inoperable patients operable - [link](#)
- Viewpoint: The case for an HIV cure and how to get there - [link](#)

Molecular Diversity Preservation International– Pharmacy Journal

- Efficacy of an Objective Structured Clinical Examination Training Approach for Training Pharmacy Students in Diabetes Mellitus Counseling: A Randomized Controlled Trial - [link](#)
- Effectiveness of an Advanced Clinical Decision Support System on Clinical Decision-Making Skills in a Call Center Medication Therapy Management Pharmacy Setting: A Pilot Study - [link](#)

Medical Journal of Australia

- Suicide by young Australians, 2006–2015: a cross-sectional analysis of national coronial data - [link](#)

Medicine Journal

- Comprehensive geriatric assessment, rehabilitation and discharge planning - [link](#)

National Institute for Health Research (NIHR)

- Health Technology Assessment: Home-based narrowband UVB, topical corticosteroid or combination for children and adults with vitiligo: HI-Light Vitiligo three-arm RCT - [link](#)
- NIHR Signals
- Care home residents on multiple medications have an increased risk of falling - [link](#)

New England Journal of Medicine

- Once-Weekly Insulin for Type 2 Diabetes without Previous Insulin Treatment - [link](#)
- Phase 2 Trial of the DPP-1 Inhibitor Brensocatib in Bronchiectasis - [link](#)
- Rivaroxaban in Patients with Atrial Fibrillation and a Bioprosthetic Mitral Valve - [link](#) Visual Abstract [here](#)
- Malaria Chemoprevention in the Postdischarge Management of Severe Anemia - [link](#)
- Review Article: Cytokine Storm - [link](#)

Prescrire – French Medical Journal

- Prescrire International, Issue Number 221 [December 2020](#)
- Review: Fexinidazole (Fexinidazole Winthrop) and sleeping sickness caused by Trypanosoma brucei gambiense - [link](#)
- Depression: cardiac risks with citalopram, even greater if combined with omeprazole - [link](#)
- Evaluation of covid-19 vaccines: the questions to ask - [link](#)
- Outlook: Drug research: public funding, private profits - [link](#)
- New product: Betibeglogene autotemcel (Zynteglo) in certain forms of severe beta thalassaemia - [link](#)

Prescriber UK

- The importance of measuring biomarkers in asthma - [link](#)
- Summary of ERS/ATS guideline on managing severe asthma - [link](#)

- Deprescribing antihypertensives in patients with multimorbidity - [link](#)
- Systemic anticancer therapies and the role of primary care - [link](#)
- Opportunities to optimise direct-acting oral anticoagulants - [link](#)

Public Library of Science (PLOS)

- Effects of vitamin B12 supplementation on neurodevelopment and growth in Nepalese Infants: A randomized controlled trial - [link](#)

The Joint Commission Journal on Quality and Patient Safety

- A Multisite Study of Interprofessional Teamwork & Collaboration on General Medical Services - [link](#)
- Nurses' Perceived Causes of Medication Administration Errors: A Qualitative Systematic Review - [link](#)

The Journal of Emergency Medicine

- Prehospital Naloxone and Emergency Department Adverse Events: A Dose-Dependent Relationship - [link](#)

CONSULTATIONS (new additions in bold)

Australian Commission on Safety and Quality in Health Care (ACSQHC)

TAG Mail – 26 November 2020

COVID-19 RESOURCES & ARTICLES OF INTEREST

Please click this [link](#) for the cumulative listing of COVID-19 resources in past TAG Mails.

AUSTRALIAN

CEC

- COVID-19 Infection Prevention and Control Response and Escalation Framework V2.0 - [link](#)

National COVID-19 Clinical Evidence Taskforce

Updated recommendations as at [19/11/2020](#)

- Updates to existing guidance: hydroxychloroquine, tocilizumab, respiratory support in children and adolescents, VTE prophylaxis for adults, PIMS-TS
- Invitation to healthcare professionals to help identify strengths and opportunities for improvement in the work of the Taskforce and their guidelines and flowcharts. Complete the [5-minute survey](#) before Monday 7 December.

NSW Health Critical Intelligence Unit – Evidence checks

- High-risk settings for transmission of COVID-19 - [link](#)

INTERNATIONAL

Organisation for Economic Co-operation and Development (OECD)

- Regulatory policy and COVID-19: Behavioural insights for fast-paced decision making - [link](#)

WHO

- 'Science in 5' webinar series: [Episode 13](#) COVID-19 Vaccine trials
- Therapeutics and COVID-19: living guideline - [link](#)
- Augmented reality course on personal protective equipment - [link](#)
- Coronavirus disease (COVID-19): Serology, antibodies and immunity - [link](#)
- Coronavirus disease (COVID-19): SARS-CoV-2 Evolution - [link](#)
- Interim Guidance:

- Continuity of essential health services: facility assessment tool: a module from the suite of health service capacity assessments in the context of the COVID-19 pandemic - [link](#)
- Diagnostics, therapeutics, vaccine readiness, and other health products for COVID-19: a module from the suite of health service capacity assessments in the context of the COVID-19 pandemic – [link](#)

UK

- Care Quality Commission
- COVID-19 Insight: Issue 5 - [link](#)
- Inpatient experience during the coronavirus (COVID-19) pandemic - [link](#)
- Centre for Evidence-Based Medicine (CEBM), University of Oxford
- How can patients with COVID-19 and their family or unpaid carers be enabled and supported to manage palliative care treatment safely and effectively at home? - [link](#)
- NHS
- National Guidance for post-COVID syndrome assessment clinics- [link](#)
- Interim Position Statement: Tocilizumab for patients admitted to ICU with COVID-19 pneumonia (adults) [25 November 2020](#)
- NHS England SPS
- Summary of COVID-19 medicines guidance: [Haematological disorders](#), [Obstetrics and gynaecology](#), [Family planning](#)
- MHRA
- MHRA statement: Pfizer/BioNTech COVID-19 vaccine - [link](#)
- NICE
- Rapid guideline: reducing the risk of venous thromboembolism in over 16s with COVID-19 ([NG186](#))
- Primary Care Cardiovascular Society (UK)
- CVD prevention during the COVID-19 pandemic: a guide for primary care - [link](#)

USA

- American Society of Health-System Pharmacists (ASHP)
- ASHP discussion forum ([Sign up](#) for free) recent topics of discussion include: Bamlanivimab and casirivimab/imdevimab updates: week of 11/23; Remdesivir in short admissions; COVID/antiplatelet question; Compounding Remdesivir; and other discussions...
- FDA
- Monoclonal Antibodies for treatment of COVID-19 updates:
- casirivimab and imdevimab - [link](#)
- baricitinib (in combination with remdesivir) - [link](#)
- bamlanivimab – EUA for first outpatient monoclonal antibody to treat COVID-19 in adults and adolescents - [link](#)
- ISMP
- Recommendation for Organizations Preparing for COVID-19 Vaccine Administration - [link](#)

JOURNAL ARTICLES

Annals of Internal Medicine

- Ethical and Scientific Considerations Regarding the Early Approval and Deployment of a COVID-19 Vaccine - [link](#)
- Effectiveness of Adding a Mask Recommendation to Other Public Health Measures to Prevent SARS-CoV-2 Infection in Danish Mask Wearers - [link](#)
- Association between ABO and Rh Blood Groups and SARS-CoV-2 Infection or Severe COVID-19 Illness - [link](#)

Arthritis and Rheumatology

- Antirheumatic Disease Therapies for the Treatment of COVID-19: A Systematic Review and Meta-Analysis - [link](#)

BMJ

- Covid-19: What now for remdesivir? - [link](#)
- Managing outbreaks of highly contagious diseases in prisons: a systematic review - [link](#)

British Journal of Clinical Pharmacology

- Review: A pharmacological framework for integrating treating the host, drug repurposing and the damage response framework in COVID-19 - [link](#)

- News: Covid-19: What do we know about the late stage vaccine candidates? - [link](#)
- Editorial: COVID-19, misinformation, and antimicrobial resistance - [link](#)
- Editorial: Remdesivir: a pendulum in a pandemic - [link](#)

Bulletin of the World Health Organization

- Impact of COVID-19 response on global surgical volumes: an ongoing observational study - [link](#)
- Digital health and COVID-19 - [link](#)
- Emergency care in the pandemic - [link](#)

Clinical and Applied Thrombosis/Hemostasis

- The Use of Therapeutic-Dose Anticoagulation and Its Effect on Mortality in Patients with COVID-19: A Systematic Review - [link](#)

Cochrane

- Physical interventions to interrupt or reduce the spread of respiratory viruses - [link](#)
- Routine laboratory testing to determine if a patient has COVID-19 - [link](#)

Infection Control & Hospital Epidemiology

- Antibiotic Prescribing Patterns for COVID-19 in Two Emergency Departments with Rapid Procalcitonin - [link](#)

Internal Medicine Journal

- Letter: SARS-CoV-2 endgame: attitudes and predictions of Australian and New Zealand infectious diseases and microbiology specialists - [link](#)

International Immunopharmacology

- Evaluating the effects of Intravenous Immunoglobulin (IVIg) on the management of severe COVID-19 cases: A randomized controlled trial - [link](#)

International Journal of Obesity

- The association between body mass index class and coronavirus disease 2019 outcomes - [link](#)

International Journal for Quality in Health Care

- Corrected Proof: International survey of COVID-19 management strategies - [link](#)

JAMA

- Viewpoint: Older Adults and the Mental Health Effects of COVID-19 - [link](#)
- Delirium in Older Patients with COVID-19 Presenting to the Emergency Department - [link](#)
- Viewpoint: A Proposed Framework and Timeline of the Spectrum of Disease Due to SARS-CoV-2 Infection: Illness Beyond Acute Infection and Public Health Implications - [link](#)
- Viewpoint: Post approval Vaccine Safety Surveillance for COVID-19 Vaccines in the US - [link](#)
- Viewpoint: Post licensure Evaluation of COVID-19 Vaccines - [link](#)
- Diagnosis, Management, and Pathophysiology of Arterial and Venous Thrombosis in COVID-19 - [link](#)

JAMA Cardiology

- Brief Report: Association of Cardiac Infection with SARS-CoV-2 in Confirmed COVID-19 Autopsy Cases - [link](#)
- Editorial: Coronavirus Disease 2019 (COVID-19) and the Heart—Is Heart Failure the Next Chapter? - [link](#)

JAMA Internal Medicine

- Experiences of Home Health Care Workers in New York City during the Coronavirus Disease 2019 Pandemic: A Qualitative Analysis - [link](#)

JAMA Network Open

- Pregnancy Outcomes among Women With and Without Severe Acute Respiratory Syndrome Coronavirus 2 Infection - [link](#)

JAMA Oncology

- Research Letter: Changes in Lung Cancer Treatment as a Result of the Coronavirus Disease 2019 Pandemic - [link](#)

JAMA Paediatrics

- Assessment of 135 794 Pediatric Patients Tested for Severe Acute Respiratory Syndrome Coronavirus 2 across the United States - [link](#)

Lancet

- SARS-CoV-2, SARS-CoV, and MERS-CoV viral load dynamics, duration of viral shedding, and infectiousness: a systematic review and meta-analysis - [link](#)
- Safety and immunogenicity of ChAdOx1 nCoV-19 vaccine administered in a prime-boost regimen in young and old adults (COV002): a single-blind, randomised, controlled, phase 2/3 trial - [link](#)
- Safety, tolerability, and immunogenicity of an inactivated SARS-CoV-2 vaccine in healthy adults aged 18–59 years: a randomised, double-blind, placebo-controlled, phase 1/2 clinical trial - [link](#)

mBio (published by American Society for Microbiology)

- Analysis of Measles-Mumps-Rubella (MMR) Titers of Recovered COVID-19 Patients - [link](#)
- Spotlight article: Herd immunity for COVID-19 - [link](#)

medRxiv

- Pre-print: Statistical Analyses of the Public Health and Economic Performance of Nordic Countries in Response to the COVID-19 Pandemic - [link](#)
- Pre-print: Interventions for treatment of COVID-19: second edition of a living systematic review with meta-analyses and trial sequential analyses (The LIVING Project) - [link](#)

Nature Medicine

- Correspondence: Indirect benefits are a crucial consideration when evaluating SARS-CoV-2 vaccine candidates - [link](#)

NEJM

- A Cluster-Randomized Trial of Hydroxychloroquine for Prevention of Covid-19 - [link](#)
- A Randomized Trial of Convalescent Plasma in Covid-19 Severe Pneumonia - [link](#)

REPORTS AND PUBLICATIONS – AUSTRALIA

Australian Commission on Safety and Quality in Health Care (ACSQHC)

- Antimicrobial Stewardship Clinical Care Standard 2020 - [link](#). Clinician factsheet [here](#) and Consumer Guide [here](#)

Australian Institute for Health and Welfare (AIHW)

- Australian bushfires 2019–20: exploring the short-term health impacts - [link](#)
- Mental health services in Australia - [link](#)

Australian Government Department of Health

- Vaccine safety in Australia – AusVaxSafety summary report 2019 - [link](#)
- National Strategic Framework for Rural and Remote Health (updated) - [link](#)
- National Framework for Communicable Disease Control - [link](#)

Australian Journal of General Practice (AJGP)

- Clinical: Diagnosis and management of cutaneous melanoma - [link](#)

NSW Health Intranet

- High-Risk Medicines Management - PD2020_045 - [link](#)

TGA

- [Database](#) of section 19A approvals to import and supply medicines to address medicine shortages
- AusPARs:
-- [Pralatrexate](#) (Folotyng) - close methotrexate analogue and a new chemical entity. For treatment of T-cell lymphoma.

Victorian Institute of Forensic Medicine

- Residential Aged Care Communiqué [Nov 2020](#)

REPORTS AND PUBLICATIONS – INTERNATIONAL

Agency for Healthcare Research and Quality (AHRQ) USA

- Interventions for Breathlessness in Patients with Advanced Cancer - [link](#)

Food and Drug Administration (FDA) USA

- Xofluza® (baloxavir marboxil) - extended approval to post-exposure prevention of influenza- [link](#)
- Vimpat® (lacosamide) - additional indication as adjunctive therapy for primary generalized tonic clonic seizures in patients ≥ 4 years. Also, partial onset seizures in patients 4 -<17 years of age - [link](#)
- Erleada® (apalutamide) – updated warning and precautions according to clinical study data - [link](#)
- New Drug approvals
- lonafarnib (Zokinvy®) - for rare conditions related to premature aging - [link](#)

National Institute for Health and Clinical Excellence (NICE) UK

- Swallowable gastric balloon capsule for weight loss – guidance ([IPG684](#))
- Quality Standard: Acute coronary syndromes in adults ([QS68](#))
- Darolutamide with androgen deprivation therapy for treating hormone-relapsed non-metastatic prostate cancer – guidance ([TA660](#))
- Pembrolizumab for untreated metastatic or unresectable recurrent head and neck squamous cell carcinoma – guidance ([TA661](#))

NHS digital

- National Diabetes Inpatient Audit ([NaDIA](#)) – 2019
- National Diabetes Inpatient Audit - [Harms](#), 2019

Royal Pharmaceutical Society

- Workforce Wellbeing Survey 2020 - [Report](#)

World Health Organisation (WHO)

- Diabetic retinopathy screening: a short guide (2020) - [link](#)
- Seasonal influenza vaccines: an overview for decision-makers - [link](#)

MEDICATION SAFETY

electronic Medicines Compendium (eMC) (UK)

- Revised SPCs
- Setofilm ([ondansetron](#)) – added toxic skin eruption, including toxic epidermal necrolysis (very rare)
- Shortec ([oxycodone](#)) - caution in those with intracranial lesions or reduced level of consciousness of uncertain origin. Sleep apnoea syndrome added and updated warnings of concomitant use of benzodiazepines and MAOIs.
- Prolia ([denosumab](#)) - hypersensitivity vasculitis added as very rare ADR.
- Ropilyn XL ([ropinirole](#))- update on dopamine agonist withdrawal syndrome (reported with dopamine agonists).
- Imnovid ([pomalidomide](#)) capsule – updated: reported cases of progressive multifocal leukoencephalopathy (including fatal), several months to years after treatment start. Suspended until PML excluded; if confirmed, discontinue permanently.
- Cerazette ([desogestrel](#)) – updated: can be used during breastfeeding although a decrease in milk production (infrequent) in post marketing reports..
- Delyba ([delamanid](#)) – licence extension for use as part of an appropriate combination regimen for pulmonary multi-drug resistant tuberculosis in adolescents and children with a body weight ≥ 30 kg.
- Fycompa ([perampanel](#)) - licence extension for adjunctive use partial-onset seizures in children aged ≥ 4 years and from 7 years for idiopathic generalised epilepsy.
- Galzemic ([galantamine hydrobromide](#))- can cause bradycardia (common) and all types of atrioventricular node block (rare); and galantamine bioavailability increases during co-administration of paroxetine (CYP2D6 inhibitor), ketoconazole & erythromycin (CYP3A4 inhibitors) observed.

- Ovitrelle ([choriogonadotropin alfa](#))-updated to include rash as a very rare (<1/10,000) immune system disorder related reaction in the treatment of anovulatory or oligo-ovulatory adult women
- Ovestin ([estriol](#)) cream - now states a large meta-analysis suggests no increased risk of breast cancer in women with no history of breast cancer using low dose vaginal oestrogens, but unknown if low dose vaginal oestrogens stimulate breast cancer recurrence.

PAPERS OF INTEREST

American Diabetes Association

- Randomized Double-Blind Clinical Trial Comparing Ultra Rapid Lispro With Lispro in a Basal-Bolus Regimen in Patients With Type 2 Diabetes: PRONTO-T2D - [link](#)

American Journal of Health-System Pharmacy (AHJP)

- Systemic targeted and immunotherapy for advanced hepatocellular carcinoma - [link](#)
- Primary care pharmacy technicians: Effect on pharmacist workload and patient access to clinical pharmacy services - [link](#)

Anesthesiology Clinics

- Real-Time Debriefing after Critical Events: Exploring the Gap between Principle and Reality - [link](#)

Annals of Internal Medicine

- Review: Are Financial Payments From the Pharmaceutical Industry Associated With Physician Prescribing? - [link](#)

BMJ Quality and Safety

- Incidence, nature and causes of avoidable significant harm in primary care in England: retrospective case note review - [link](#)

British Journal of Clinical Pharmacology

- Influence of allopurinol on thiopurine associated toxicity: A retrospective population-based - [link](#)
- Impact of spironolactone exposure on prostate cancer incidence amongst men with heart failure: A Pharmacoepidemiological study - [link](#)
- Review: Prescription medicine misuse in the Asia–Pacific region: An evolving issue? - [link](#)
- Population pharmacokinetics of propofol in neonates and infants: Gestational and postnatal age to determine clearance maturation - [link](#)
- Warfarin dosing algorithms: A systematic review - [link](#)
- A Phase I trial of the safety, tolerability and pharmacokinetics of cannabidiol administered as single-dose oil solution and single and multiple doses of a sublingual wafer in healthy volunteers - [link](#)

British Journal of General Practice

- GP perspectives on acne management in primary care: qualitative interview study - [link](#)

British Journal of Psychiatry

- Psychological interventions as an alternative and add-on to antidepressant medication to prevent depressive relapse: systematic review and meta-analysis - [link](#)

British Medical Journal (BMJ)

- Practice: How to optimise duration of antibiotic treatment in patients with sepsis? - [link](#)
- Review: Advances in the diagnosis and management of gastroesophageal reflux disease - [link](#)
- Practice: Acute middle ear infection (acute otitis media) in children - [link](#)
- First line drug treatment for hypertension and reductions in blood pressure according to age and ethnicity: cohort study in UK primary care - [link](#)
- Strategies for enhancing the initiation of cholesterol lowering medication among patients at high cardiovascular disease risk: a qualitative descriptive exploration of patient and general practitioners' perspectives on a facilitated relay intervention in Alberta, Canada - [link](#)

BMJ DTB

- Does melatonin prevent postoperative delirium? - [link](#)

BMJ Open

- Higher incidence of adverse events in isolated patients compared with non-isolated patients: a cohort study - [link](#)
- Concurrent use of opioids and benzodiazepines/Z-drugs in Alberta, Canada and the risk of hospitalisation and death: a case cross-over study - [link](#)
- Indirect comparison between immunotherapy alone and immunotherapy plus chemotherapy as first-line treatment for advanced non-small cell lung cancer: a systematic review - [link](#)
- Ketamine for the treatment of prehospital acute pain: a systematic review of benefit and harm - [link](#)

Cancer Medicine

- Computer-based simulation to reduce EHR-related chemotherapy ordering errors - [link](#)

Circulation

- 2020 AHA/ACC Guideline for the Diagnosis and Treatment of Patients with Hypertrophic Cardiomyopathy - [link](#)

Cochrane

- Botulinum toxin type A therapy for blepharospasm - [link](#)
- Botulinum toxin type A therapy for hemifacial spasm - [link](#)
- Pioglitazone for prevention or delay of type 2 diabetes mellitus and its associated complications in people at risk for the development of type 2 diabetes mellitus - [link](#)
- Pre- and postsurgical medical therapy for endometriosis surgery - [link](#)
- Progestogens or progestogen-releasing intrauterine systems for uterine fibroids (other than preoperative medical therapy) - [link](#)
- Salvage systemic therapy for advanced gastric & oesophago-gastric junction adenocarcinoma - [link](#)
- Population-based interventions for preventing falls and fall-related injuries in older people - [link](#)
- Progestogens for preventing miscarriage: a network meta-analysis - [link](#)

Health Expectations

- Changes in public perceptions and experiences of the Australian health-care system: A decade of change - [link](#)

International Journal of Clinical Pharmacy

- Opioid prescribing and risk of drug-opioid interactions in older discharged patients with polypharmacy in Australia - [link](#)
- Remote pharmaceutical care for patients with rheumatoid arthritis and psoriasis - [link](#)

JAMA

- Improving Care for Heart Failure with Reduced Ejection Fraction—A Potential Polypill-Based Strategy - [link](#)
- Effect of Nebulized Magnesium vs Placebo Added to Albuterol on Hospitalization Among Children with Refractory Acute Asthma Treated in the Emergency Department. A Randomized Clinical [Trial](#)

JAMA Network Open

- Assessment of Trends in Statin Therapy for Secondary Prevention of Atherosclerotic Cardiovascular Disease in US Adults From 2007 to 2016 - [link](#)
- Association of the Mediterranean Diet with Onset of Diabetes in the Women's Health Study - [link](#)
- Association Between Low-Dose Aspirin Use and Colorectal Cancer Incidence in Taiwan - [link](#)
- Evaluation of Adjuvant Treatments for T1 N0 M0 Triple-Negative Breast Cancer - [link](#)
- Assessment of Incidence of and Surveillance Burden for Hepatocellular Carcinoma among Patients With Hepatitis C in the Era of Direct-Acting Antiviral Agents - [link](#)

JAMA Ophthalmology

- Insights From Survival Analyses During 12 Years of Anti-Vascular Endothelial Growth Factor Therapy for Neovascular Age-Related Macular Degeneration - [link](#)
- Efficacy and Safety of a Proposed Ranibizumab Biosimilar Product vs a Reference Ranibizumab Product for Patients With Neovascular Age-Related Macular Degeneration: A Randomized Clinical Trial - [link](#)

JAMA Otolaryngology–Head & Neck Surgery

- Efficacy of Timolol in a Novel Intranasal Thermosensitive Gel for Hereditary Hemorrhagic Telangiectasia–Associated Epistaxis - [link](#)

JAMA Surgery

- Perioperative Immunization for Splenectomy and the Surgeon's Responsibility: A Review - [link](#)

JAMIA (Journal of the American Medical Informatics Association)

- An explainable machine learning platform for pyrazinamide resistance prediction and genetic feature identification of Mycobacterium tuberculosis - [link](#)

- Risk factors associated with medication ordering errors - [link](#)

- Measures of electronic health record use in outpatient settings across vendors - [link](#)

Journal of the Australian Healthcare & Hospitals Association

- Provision of home medicines reviews in Australia: linking population need with service provision and available pharmacist workforce - [link](#)

- Case for antimicrobial stewardship pharmacy technicians in Australian hospitals - [link](#)

Journal of Palliative Medicine

- Time to Deprescribe: A Time-Centric Model for Deprescribing at End of Life - [link](#)

Lancet

- Faecal microbiota transplantation for recurrent Clostridioides difficile infection: An updated systematic review and meta-analysis - [link](#)

- Safety and efficacy of amantadine, modafinil, and methylphenidate for fatigue in multiple sclerosis: a randomised, placebo-controlled, crossover, double-blind trial - [link](#)

- Safety of direct oral anticoagulant exposure during pregnancy: a retrospective cohort study - [link](#)

National Institute for Health Research (NIHR) Signals

-- People with thyroid cancer who are asked to follow a low iodine diet need clear information - [link](#)

-- The Vanguard programme to integrate health and social care achieved some of its aims but took time to show an effect - [link](#)

-- Managing medication: older people and their families need support to deal with the hidden burden of medication - [link](#)

New England Journal of Medicine

- First-Line Lorlatinib or Crizotinib in Advanced ALK-Positive Lung Cancer - [link](#)

- Golumumab and Beta-Cell Function in Youth with New-Onset Type 1 Diabetes - [link](#)

Pediatrics (American Academy of Pediatrics)

- Statewide Asthma Learning Collaborative Participation and Asthma-Related Emergency Department Use - [link](#)

Pharmaceutical Journal

- Pharmacist-led atrial fibrillation case finding programme prevents an estimated 90 strokes - [link](#)

Public Library of Science (PLOS)

- Genetic and pharmacological relationship between P-glycoprotein and increased cardiovascular risk associated with clarithromycin prescription: An epidemiological and genomic population-based cohort study in Scotland, UK - [link](#)

Research in Social and Administrative Pharmacy

- Operationalizing occupational fatigue in pharmacists: An exploratory factor analysis - [link](#)

The Joint Commission Journal on Quality and Patient Safety

- Design and Implementation of an Analgesia, Sedation, and Paralysis Order Set to Enhance Compliance of pro re nata Medication Orders with Joint Commission Medication Management Standards in a Pediatric ICU - [link](#)

- A Multisite Study of Interprofessional Teamwork and Collaboration on General Medical Services - [link](#)

Thrombosis and Haemostasis

- DAPT Score to Stratify Ischemic and Bleeding Risk after Percutaneous Coronary Intervention: An Updated Systematic Review, Meta-Analysis, and Meta-Regression of 100,211 Patients - [link](#)

TAG Mail – 19 November 2020

COVID-19 RESOURCES & ARTICLES OF INTEREST

AUSTRALIAN

Australian Government Department of Health

- Australian Health Protection Principal Committee (AHPPC) statement on COVID-19: Routine Testing of Hotel Quarantine Workers - [link](#)

NSW Health

- [Safety Notice 010/20](#): Wuhan Topmed Softmed Masks (TGA Alert [here](#))

TGA

- COVID-19 vaccine provisional determinations - [link](#)

INTERNATIONAL

WHO

- 'Science in 5' webinar series: [Episode 12](#) Safe celebrations during the pandemic
- Guidance on developing a national deployment and vaccination plan for COVID-19 vaccines: interim guidance, 16 November 2020 - [link](#)
- Technical specifications of personal protective equipment for COVID-19: interim guidance, 13 November 2020 - [link](#)

Canada

- Health Canada
- Ultraviolet (UV) lights and wands falsely claiming to disinfect against COVID-19 - [link](#)

UK

- GOV.UK
- REACT-1 study of coronavirus transmission: October 2020 final results - [link](#)
- Health matters: cold weather and COVID-19 - [link](#)
- New film shows importance of ventilation to reduce spread of COVID-19 - [link](#)
- National Institute for Health and Clinical Excellence (NICE) UK
- Medicines Evidence Commentary: Vitamin D levels and severity of COVID-19 illness – [link](#)
- NHS England SPS
- Summary of COVID-19 medicines guidance: [Eyes and vision](#), [gastrointestinal disorders](#), [cancers](#)
- NHS
- COVID-19 therapy: corticosteroids including dexamethasone and hydrocortisone - [link](#)

USA

- ISMP
- Medication Safety Alert! [November 19, 2020](#)
- Learning from Influenza Vaccine Errors to Prepare for COVID-19 Vaccination Campaigns
- Infusion rate instructions for new COVID-19 monoclonal antibody
- VEKLURY (remdesivir) update
- Other articles also below in TAG Mail Medication Safety section

JOURNAL ARTICLES

Australian and New Zealand Journal of Public Health

- Australia's public health response to COVID-19: what have we done, and where to from here? - [link](#)

BMJ

- Practice: Using antibiotics wisely for respiratory tract infection in the era of covid-19 - [link](#)
- Long covid: Damage to multiple organs presents in young, low risk patients - [link](#)

BMJ Innovations

- Massive open online course for type 2 diabetes self-management: adapting education in the COVID-19 era - [link](#)

BMJ Open

- What items should be included in an early warning score for remote assessment of suspected COVID-19? Qualitative and Delphi study - [link](#)
- Estimated impact of the COVID-19 pandemic on cancer services and excess 1-year mortality in people with cancer and multimorbidity: near real-time data on cancer care, cancer deaths and a population-based cohort study - [link](#)

BMJ Postgraduate Medical Journal

- Short term, high-dose vitamin D supplementation for COVID-19 disease: a randomised, placebo-controlled, study (SHADE study) - [link](#)

BMJ Simulation & Technology Enhanced Learning

- Letter: Apple Siri as communication conduit during COVID-19: between inside and outside the OR - [link](#)

Circulation

- Findings from the American Heart Association's COVID-19 Cardiovascular Disease Registry:
 - Racial and Ethnic Differences in Presentation and Outcomes for Patients Hospitalized with COVID-19 - [link](#)
 - Association of Body Mass Index and Age with Morbidity and Mortality in Patients Hospitalized With COVID-19 - [link](#)

Cochrane

- Special Collection COVID-19 Clinical Answers:
 - What are the effects of convalescent plasma for people with COVID-19? - [link](#)
 - What is the accuracy of chest computed tomography (CT) for the diagnosis of COVID-19? - [link](#)
 - What intervention, organizational and individual characteristics impact the implementation of interventions to support frontline health and social care professionals during and after a disease outbreak, epidemic, or pandemic? - [link](#)
 - Does an education intervention in nursing homes help prevent the transmission of methicillin-resistant Staphylococcus aureus (MRSA)? - [link](#)

eClinical Medicine

- Ethnicity and clinical outcomes in COVID-19: A systematic review and meta-analysis - [link](#)

Frontiers in Psychology

- From "It Has Stopped Our Lives" to "Spending More Time Together Has Strengthened Bonds": The Varied Experiences of Australian Families During COVID-19 - [link](#)

Infection Control & Hospital Epidemiology

- Surveillance and Identification of Clusters of Health Care Workers with COVID-19: Multidimensional Interventions at a Comprehensive Cancer Center - [link](#)

Internal Medicine Journal

- COVID-19 in Australia: Our national response to the first cases of SARS-CoV-2 infection during the early biocontainment phase - [link](#)

International Journal of Infectious Diseases

- Randomized Controlled Open Label Trial on the Use of Favipiravir Combined with Inhaled Interferon beta-1b in Hospitalized Patients with Moderate to Severe COVID-19 Pneumonia - [link](#)

JAMA

- Viewpoint: Hospital-Acquired SARS-CoV-2 Infection. Lessons for Public Health - [link](#)
- Viewpoint: Preventing the Spread of SARS-CoV-2 With Masks & Other Low-tech Interventions - [link](#)
- Viewpoint: Post-approval Vaccine Safety Surveillance for COVID-19 Vaccines in the US - [link](#)
- Viewpoint: The Need for More and Better Testing for COVID-19 - [link](#)
- Viewpoint: Therapy for Early COVID-19: A Critical Need - [link](#)
- Preliminary Communication: Fluvoxamine vs Placebo and Clinical Deterioration in Outpatients with Symptomatic COVID-19: RCT - [link](#)
- Editor's note: COVID-19 Infection—Preventing Clinical Deterioration - [link](#)
- Letter: Gastrointestinal Complications in Critically Ill Patients With and Without COVID-19 - [link](#)
- The Great Coronavirus Pandemic of 2020—7 Critical Lessons - [link](#)
- News: COVID-19 Deaths Among US Clinicians - [link](#)
- News: COVID-19 Poses Pregnancy Risks - [link](#)
- Biotech Innovation: COVID-19 Antibody Tests Perform Well in Head-to-Head Comparison - [link](#)

JAMA Cardiology

- Outcomes for Out-of-Hospital Cardiac Arrest in the United States During the Coronavirus Disease 2019 Pandemic - [link](#)

JAMA Internal Medicine

- Research Letter: Assessment of SARS-CoV-2 RNA Test Results Among Patients Who Recovered From COVID-19 With Prior Negative Results - [link](#) ([Editor's Note](#))

JAMIA

- Ensuring Full Participation of People with Disabilities in an Era of Telehealth - [link](#)
- An Evaluation of Two Commercial Deep Learning-Based Information Retrieval Systems for COVID-19 Literature - [link](#)
- Ensemble learning for poor prognosis predictions: a case study on SARS-CoV2 - [link](#)
- Real-time suicide mortality data from police reports in Queensland, Australia, during the COVID-19 pandemic: an interrupted time-series analysis - [link](#)
- Safety, tolerability, and immunogenicity of an inactivated SARS-CoV-2 vaccine in healthy adults aged 18–59 years: a randomised, double-blind, placebo-controlled, phase 1/2 clinical trial - [link](#)

JCO Global Oncology

- Impact of the COVID-19 Pandemic on Cancer Care: A Global Collaborative Study - [link](#)

Molecular Diversity Preservation International (MDPI) – Pharmacy Journal

- Prior Routine Use of Non-Steroidal Anti-Inflammatory Drugs (NSAIDs) and Important Outcomes in Hospitalised Patients with COVID-19 - [link](#)
- Pharmacy Internal Controls: A Call for Greater Vigilance during the COVID-19 Pandemic - [link](#)

MJA

- Podcast Episode 39: COVID-19 and mental health care - [link](#)
- A hospital-wide response to multiple outbreaks of COVID-19 in health care workers: lessons learned from the field - [link](#)
- Mental health of people in Australia in the first month of COVID-19 restrictions: a national [survey](#)
- Tenecteplase (and common sense) in short supply during the COVID-19 pandemic - [link](#)
- Can AI help in the fight against COVID-19? – [link](#)
- Letter: Successful containment to date of SARS-CoV-2 transmission in the Northern Territory - [link](#)

Lancet

- COVID-19 pneumonia and the appropriate use of antibiotics - [link](#)
- Safety and efficacy of inhaled nebulised interferon beta-1a (SNG001) for treatment of SARS-CoV-2 infection: a randomised, double-blind, placebo-controlled, phase 2 trial - [link](#)

Nature Communications

- Associations between blood type and COVID-19 infection, intubation, and death - [link](#)
- Case report: Immune responses to SARS-CoV-2 in three children of parents with symptomatic COVID-19 - [link](#)
- Immune suppression in the early stage of COVID-19 disease – [link](#)

Nature Human Behaviour

- Ranking the effectiveness of worldwide COVID-19 government interventions - [link](#)

Psychological Medicine

- Associations between blood type and COVID-19 infection, intubation, and death - [link](#)

Science

- What's next for COVID-19 apps? Governance and oversight - [link](#)

Scientific Reports

- Detection of SARS-CoV-2 antibodies is insufficient for the diagnosis of active or cured COVID-19 - [link](#)

Therapeutics and Clinical Risk Management

- Cardiovascular Considerations in COVID19: A Comprehensive Review - [link](#)

Thrombosis and haemostasis

- Anticoagulation in COVID-19: Effect of Enoxaparin, Heparin, and Apixaban on Mortality - [link](#)
- Associations between restrictions on public mobility and slowing of new COVID-19 case rates in three countries - [link](#)

OTHER NEWS

Antimicrobial Awareness Week (AAW) 18-24 November 2020

- ACSQHC resources - [link](#)
- The slogan for 2020 is 'Antimicrobials: handle with care', applicable to all sectors, and the theme for the human health sector is 'United to preserve antimicrobials'.
- CEC AAW is an annual event that aims to raise awareness about the serious issue of antibiotic resistance and encourages everyone from clinicians to consumers to handle antibiotics with care. The CEC is celebrating with a social media campaign this year. They will be telling the story of 'Priya' and seeing how some of the principles of antimicrobial stewardship can be applied to her journey as a patient in hospital. Click [here to follow Priya's journey](#) or follow along on Twitter – [@NSWCEC](#). Key messages will be released via Twitter each weekday of AAW coupled with additional information on the [CEC AAW webpage](#).
- WHO - [link](#)

Australian Prescriber

- Opioid prescribing in dentistry – is there a problem? - [link](#)

NPS MedicineWise

- Dementia and changed behaviours: supporting the person at the centre - [link](#)
- Two hepatitis C medicines delisted from the PBS - [link](#)
- Making safe and wise decisions for biological disease-modifying antirheumatic drugs (bDMARDs) and other specialised medicines - [link](#)

Survey: The University of Canberra

- Collaborative care and team effectiveness survey for pharmacists in general practices. The University of Canberra pharmacy practice team invites pharmacists who are currently working in general practices as general practice pharmacists to complete this 15 minute survey. The survey explores the collaborative relationship between the family practice pharmacist and other health care professionals in general practices - [link](#)

REPORTS AND PUBLICATIONS – AUSTRALIA

Agency for Clinical Innovation, NSW (ACI)

- Projects
- Stay'n Deadly & Stay'n In: Reducing Incomplete Treatment: This project focuses on incomplete treatment of Aboriginal patients who present to St Vincent's Health Network Sydney Emergency

Department (ED). Aim: to reduce the rate of incomplete treatment (Did Not Wait and Left at Own Risk) in the ED from 19.5% to 5% by December 2020. [Link](#)

-- Feeling Hip Again: Gold Standard Care for Hip Fracture Patients at St Vincent's Hospital: This project aims to improve the delivery of care to hip fracture patients at St Vincent's Hospital Sydney. Standardisation of care processes will lead to improved patient flow, patient experience and staff satisfaction. [Link](#)

-- Capacity Leveraging, Earlier Access, Redefining Early Discharge: This project aims to ensure that all patients entering the Metropolitan Remand and Reception Centre have access to timely health services that are appropriate for their individual needs (Justice Health and Forensic Mental Health Network) - [link](#)

-- A Brush with Justice: The Justice Health and Forensic Mental Health Network is implementing six identified solutions to improve access to oral health services for people in custodial and forensic settings across NSW - [link](#)

-- Taking 'Baby Steps' towards starting pregnancy care sooner: In this project, five key solutions, targeting referral, bookings management and care delivery were co-designed with consumers with the aim of improving access and increasing the number of women commencing specialised antenatal care earlier in pregnancy (Auburn Hospital and Community Health Services) - [link](#)

-- Improving Graythwaite Outcomes (iGO): This project focused on achieving better outcomes, reduced length of stay and improved experiences for patients admitted to Graythwaite Rehabilitation Centre, Ryde Hospital. [Link](#)

-- Perioperative Project (Project POP) :The aim of the project was to improve patient and staff experience through better management of surgical activity at Fairfield Hospital by December 2020 - [link](#)

-- Cataract Service Redesign Project Westmead Hospital: The Westmead Ophthalmology clinic currently has an increased waitlist for an initial cataract assessment appointment. The goal of this project is to reduce the clinic appointment wait time for patients requiring surgery by providing a comprehensive assessment and consent for surgery on the same day of appointment - [link](#)

Australian Government Department of Health

- Australian Medical Research and Innovation Priorities 2020–2022 - [link](#)

- National Framework for Communicable Disease Control (updated) - [link](#)

- National Strategic Framework for Rural and Remote Health (updated) - [link](#)

Australian Commission on Safety and Quality in Health Care (ACSQHC)

- CARAlert Data Update 19: 1 July 2020 - 31 August 2020 - [link](#)

Australian Institute for Health and Welfare (AIHW)

- Antenatal care use and outcomes for Aboriginal and Torres Strait Islander mothers and their babies 2016-2017 - [link](#)

- Cancer data in Australia - [link](#)

- International health data comparisons, 2020 - [link](#)

- The health and welfare of women in Australia's prisons Infocus - [link](#)

- Admitted patients - [link](#)

- Atrial fibrillation in Australia - [link](#)

NSW Health Intranet

- Methamphetamine Use and Related Harms in NSW - Surveillance Report to December 2019 - [link](#)

- Opioid Use and Related Harms in NSW - Surveillance Report to December 2019 - [link](#)

TGA

- Notification of proposed amendments to the Poisons Standard in relation to azo dyes (derivatives by diazotisation) - [link](#)

- [Database](#) of section 19A approvals to import and supply medicines to address medicine shortages

- AusPARs:

-- [Isatuximab](#) (Sarclisa) - used in combination with pomalidomide and dexamethasone, for treatment of multiple myeloma in those who have received at least two prior therapies including lenalidomide and a proteasome inhibitor.

-- [Beclometasone dipropionate/ formoterol fumarate/ glycopyrronium bromide](#) (Trimbow) inhalation solution – new combination for maintenance treatment of moderate to severe COPD.

REPORTS AND PUBLICATIONS – INTERNATIONAL

Agency for Healthcare Research and Quality (AHRQ) USA

- Systematic Review: Management of Primary Headaches in Pregnancy - [link](#)

Canadian Agency for Drugs and Technologies in Health

- Community Water Fluoridation Exposure: A Review of Neurological and Cognitive Effects – A 2020 Update - [link](#)
- Target-Controlled Infusion with Propofol and Remifentanyl for Moderate Procedural Sedation in Medicine and Dentistry: A Review of Clinical Effectiveness, Cost-Effectiveness, and Guidelines - [link](#)

European Medicines Agency (EMA)

- [Baloxavir marboxil](#) (Xofluza) recommended for treatment and post-exposure prophylaxis of uncomplicated influenza.
- Bevacizumab ([Onbevzi](#)) biosimilar recommended.
- Trimbaw ([beclometasone / formoterol / glycopyrronium bromide](#)) recommended for maintenance treatment of asthma, in adults not adequately controlled with a maintenance combination of a long-acting beta2-agonist and high dose of inhaled corticosteroid, and who experienced one or more asthma exacerbations in the previous year.
- [Carfilzomib](#) (Kyprolis) - recommended for multiple myeloma in those who have received at least one prior therapy.
- [Sodium oxybate](#) (Xyrem) – recommended for narcolepsy with cataplexy in those aged ≥ 7 years.
- Netarsudil and latanoprost ophthalmic solution ([Roclanda](#)) for primary open-angle glaucoma or ocular hypertension.
- Phesgo ([pertuzumab /trastuzumab](#)) for treatment of early and metastatic breast cancer.
- [Tagraxofusp](#) (Elzonris) for treatment of blastic plasmacytoid dendritic cell neoplasm.

Food and Drug Administration (FDA) USA

- Ticagrelor – extended indication: to reduce the risk of stroke in patients with acute ischemic stroke (NIH Stroke Scale score ≤ 5) or high-risk transient ischemic attack (TIA) - [link](#)
- Improving the Design of Clinical Trials of Drugs to Treat Schizophrenia - [link](#)
- Use of Cyclin-Dependent Kinase 4/6 Inhibitor with Hormonal Therapy in Metastatic Breast Cancer—Efficacy in Patient Subgroups - [link](#)

National Institute for Health and Clinical Excellence (NICE) UK

- Acute coronary syndromes – guidance ([NG185](#))
- Carfilzomib for previously treated multiple myeloma – guidance ([TA657](#))
- Galcanezumab for preventing migraine – guidance ([TA659](#))
- Isatuximab with pomalidomide and dexamethasone for treating relapsed and refractory multiple myeloma – guidance ([TA658](#))
- Siponimod for treating secondary progressive multiple sclerosis – guidance ([TA656](#))

Public Health England

- English Surveillance Programme for Antimicrobial Utilisation and Resistance (ESPAUR) Report 2019 to 2020 - [link](#)

Specialist Pharmacy Services (SPS)

- Which medicines should be considered for brand-name prescribing in primary care? - [link](#)
- Sexual Health Patient Group Direction (PGD) Templates (updated) - [link](#)

The King's Fund (UK)

- The digital revolution: eight technologies that will change health and care - [link](#)

MEDICATION SAFETY

electronic Medicines Compendium (eMC) (UK)

- Revised SPCs
- Abilify Maintena ([aripiprazole](#))- advises if initiating with “two injection start”, inject into 2 different sites in 2 different muscles.

- Sevredol ([morphine](#)) tablets - Sleep apnoea syndrome added as possible adverse effect (frequency unknown).
- Zavicefta ([ceftazidime/avibactam](#)) - includes use in paediatric patients \aged 3 months and upwards.
- [Carbocisteine](#) capsules - Allergic skin eruption, diarrhoea, nausea and epigastric discomfort added as adverse reactions.
- [Biktarvy](#) (bictegavir/emtricitabine/tenofovir alafenamide fumarate) - haemodialysis text in various sections updated in line with the results of week 96 for the Genvoya Study and week 48 Biktarvy open-label extension.
- Elvanse ([lisdexamfetamine](#)) c - may prolong QTc interval (frequency unknown). Use with caution in patients: 1) with QTc prolongation, 2) treated with drugs affecting the QTc interval, or 3) with relevant pre-existing cardiac disease or electrolyte disturbances.
- Imvaggis ([estriol](#)) 0.03mg Pessary - epidemiological evidence from large meta-analysis suggests no increased risk of breast cancer in women with no history of breast cancer taking low dose vaginally applied estrogens.
- Tecentriq ([atezolizumab](#))-- additional indication: treatment of advanced or unresectable hepatocellular carcinoma who have not received prior systemic therapy, in combination with bevacizumab.
- Lynparza ([olaparib](#)) -- additional indication: first-line maintenance treatment of homologous recombination deficiency-positive advanced ovarian cancer in combination with bevacizumab
- Forxiga ([dapagliflozin](#)) -- details extension for use in symptomatic chronic heart failure (HF) with reduced ejection fraction in adults. Not recommended for treatment of HF in patients with type 1 diabetes
- Granpidam ([sildenafil](#)) tablets -- advises not be used in neonates with persistent pulmonary hypertension of the newborn as risks outweigh benefits.
- Zyban ([bupropion](#)) tablets - warns of risk of serotonin syndrome when co-administered with selective serotonin reuptake inhibitors/serotonin norepinephrine re-uptake inhibitors.
- Cimzia ([certolizumab pegol](#)) - Kaposi's sarcoma added as adverse event (frequency unknown).
- Simponi ([golimumab](#)) - Kaposi's sarcoma added as adverse effect (unknown frequency).
- Cardicor ([bisoprolol](#)) - angioedema added as potential adverse effect (frequency – rare).
- Updated Risk Minimisation materials
- Arava ([leflunomide](#)) -- Prescriber's checklist, patient information leaflet
- Gilenya ([fingolimod](#))- Letter to healthcare professional with updated recommendations
- Oruvail ([ketoprofen](#)) 2.5% Gel – Prescriber's checklist and patient guide
- Zeposia ([ozanimod](#)) - Prescriber's checklist, patient guide & pregnancy-specific patient reminder card
- Ropilynz ([ropinirole hydrochloride](#)) Added: when discontinuing treatment in patients with Parkinson's disease, ropinirole should be tapered off, as patients with impulse control disorders and those receiving high daily dose and/or cumulative doses may be at higher risk for developing dopamine agonist withdrawal syndrome.

EMA

- Emapalumab (Gamifant) - Negative opinion for treatment of primary haemophagocytic lymphohistiocytosis in children under 18 years of age – [link](#)
- Ulipristal acetate for uterine fibroids: recommends restricting use - [link](#)

Healthcare Safety Investigation Branch (HSIB)

- National report highlights impact and suggests improvements to reduce the risk of delays to critical interventions during birth - [link](#)

Institute for Safe Medication Practices (ISMP) USA

- Admixing Sterile Injectables and Infusions in Patient Care Areas Can Lead to Errors - [link](#)
- Medication Safety Alert! [November 19, 2020](#)
- See also COVID-19 section of TAG Mail above
- New ASPEN recommendations for in-line filters for parenteral nutrition (PN)
- Update on Epic's "fuzzy matching"

Medicines and Healthcare products Regulatory Agency (MHRA) UK

- Modafinil (Provigil): increased risk of congenital malformations if used during pregnancy - [link](#).
- Pifrenidone (Esbriet): risk of serious liver injury; updated advice on liver function testing - [link](#)

- Ferric carboxymaltose (Ferinject): risk of symptomatic hypophosphataemia leading to osteomalacia and fractures - [link](#)
- Bupropion (Zyban): risk of serotonin syndrome with use with other serotonergic drugs - [link](#)
- Letters to Healthcare Professionals
- Esbriet (pirfenidone): important safety update and new recommendations to prevent drug-induced liver injury - [link](#)
- Monofer 100mg/ml solution for injection/infusion and Diafer 50mg/ml solution for injection: name change from iron isomaltoside to ferric derisomaltose - [link](#)

Medsafe (New Zealand Medicines and Medical Devices Safety Authority)

- Mimirin Letter to Pharmacist and Letter to Prescriber - Notification of shortage of Mimirin (desmopressin acetate) nasal drops - [link](#)

TGA

- Grain German Shepherd tablets pose a serious risk to your health and should not be taken (contain undeclared substances sildenafil and paracetamol) - [link](#)
- Rise 2.0 Liquid Cialis 30ml bottles pose a serious risk to your health and should not be taken (contains undeclared substance tadalafil) - [link](#)
- Metformin: Low levels of contamination with N-nitrosodimethylamine (NDMA) - [link](#)

PAPERS OF INTEREST

Addiction

- A mixed-methods analysis of patient safety incidents involving opioid substitution treatment with methadone or buprenorphine in community-based care in England and Wales - [link](#)

Age and Ageing

- Virtual geriatric clinics and the COVID-19 catalyst: a rapid review - [link](#)

American Diabetes Association - Diabetes care

- Sustained Intensive Treatment and Long-term Effects on HbA1c Reduction (SILVER Study) by CGM in People with Type 1 Diabetes Treated with MDI - [link](#)

American Journal of Medical Quality

- Application of Forcing Functions to Electronic Health Records Is Associated with Improved Pain Control for Patients Undergoing Radiation Therapy for Bone Metastases - [link](#)
- Hypertension and Diabetes Quality Improvement in a Practice Transformation Network - [link](#)

Annals of Internal Medicine

- Podcast: Swollen Legs: Thinking beyond Lymphedema - [link](#)

Arthritis and Rheumatology

- Phase II Open-Label Study of Anakinra in Intravenous Immunoglobulin–Resistant Kawasaki Disease - [link](#)

British Medical Journal (BMJ)

- Practice: Diabetic ketoacidosis with SGLT2 inhibitors - [link](#)
- Practice: The use of human donor milk - [link](#)
- Endocrine therapy use and cardiovascular risk in postmenopausal breast cancer survivors - [link](#)
- Pregravid contraceptive use and fecundability: prospective cohort study - [link](#)

BMJ Drug and Therapeutics Bulletin

- Prescribing cascade: calcium-channel blockers and diuretics - [link](#)

BMJ Heart

- Effect of blood pressure lowering drugs and antibiotics on abdominal aortic aneurysm growth: a systematic review and meta-analysis - [link](#)

BMJ Open

- Treatment of hypertension reduces cognitive decline in older adults: a systematic review and meta-analysis - [link](#)

Circulation

- Effects of n-3 Fatty Acid Supplements in Elderly Patients after Myocardial Infarction: A Randomized Controlled Trial - [link](#)

- An Electronically Delivered, Patient-Activation Tool for Intensification of Medications for Chronic Heart Failure with Reduced Ejection Fraction: The EPIC-HF Trial - [link](#)

- Digital Care Transformation: Interim Report From the First 5000 Patients Enrolled in a Remote Algorithm-Based Cardiovascular Risk Management Program to Improve Lipid and Hypertension Control - [link](#)

Cochrane

- Alpha-blockers after shock wave lithotripsy for renal or ureteral stones in adults - [link](#)

- Botulinum toxin type A therapy for cervical dystonia - [link](#)

- Heated tobacco products for smoking cessation and reducing smoking prevalence - [link](#)

- Corticosteroids for the management of cancer-related fatigue in adults with advanced cancer - [link](#)

- Local corticosteroid injection for carpal tunnel syndrome - [link](#)

European Heart Journal

- Current use and safety of novel oral anticoagulants in adults with congenital heart disease: results of a nationwide analysis including more than 44 000 patients - [link](#)

European Journal of Clinical Pharmacology

- Efficacy and safety of corticosteroid therapy in patients with cardiac arrest: a systematic review of randomised controlled trials - [link](#)

- Efficacy and safety profile of statins in patients with cancer: a systematic review of randomised controlled trials - [link](#)

- Flucloxacillin decreases tacrolimus blood trough levels: a single-center retrospective cohort study - [link](#)

- Correct use of non-indexed eGFR for drug dosing and renal drug-related problems at hospital admission - [link](#)

- Blood pressure-lowering activity of statins: a systematic literature review and meta-analysis of placebo-randomized controlled trials - [link](#)

- Comparative effectiveness of dopamine agonists and monoamine oxidase type-B inhibitors for Parkinson's disease: a multiple treatment comparison meta-analysis - [link](#)

- Safety of azithromycin in pediatrics: a systematic review and meta-analysis - [link](#)

- Pain severity and analgesics use in the community-dwelling older population: a drug utilization study from Germany - [link](#)

European Journal of Hospital Pharmacy

- Prospective observational study of medication reviews in internal medicine wards: evaluation of drug-related problems - [link](#)

- Implementation of a pharmacy e-interconsultation integrated in patient medical record - [link](#)

Internal Medicine Journal

-Australia between 2003 and 2019: an analysis and review of the literature - [link](#)

JAMA

- Effect of High-Dose Omega-3 Fatty Acids vs Corn Oil on Major Adverse Cardiovascular Events in Patients at High Cardiovascular Risk. The STRENGTH Randomized Clinical Trial - [link](#)

- Screening for Hypertension in Children and Adolescents: Updated Evidence Report and Systematic Review for the US Preventive Services Task Force - [link](#)

- Effect of an Emergency Department Care Bundle on 30-Day Hospital Discharge and Survival

Among Elderly Patients With Acute Heart Failure: The ELISABETH Randomized Clinical Trial - [link](#)

- Bladder Cancer: A Review - [link](#)

JAMA Cardiology

- Applicability of US Food and Drug Administration Labeling for Dapagliflozin to Patients With Heart Failure With Reduced Ejection Fraction in US Clinical Practice: The Get With the Guidelines–Heart Failure (GWTG-HF) Registry - [link](#)
- Brief Report: Association of Baseline Low-Density Lipoprotein Cholesterol and Percentage Low-Density Lipoprotein Cholesterol Reduction With Statins, Ezetimibe, and PCSK9 Inhibition - [link](#)
- Brief Report: Clinical Outcomes and Response to Vericiguat According to Index Heart Failure Event: Insights From the VICTORIA Trial - [link](#)
- Review: Use of Glucagon-Like Peptide-1 Receptor Agonists in Patients with Type 2 Diabetes and Cardiovascular Disease: A Review - [link](#)

JAMA Dermatology

- Investigation of Suicidality and Psychological Adverse Events in Patients Treated With Finasteride - [link](#) ([Editorial](#))
- Frontline BRAF Testing–Guided Treatment for Advanced Melanoma in the Era of Immunotherapies: A Cost-Utility Analysis Based on Long-term Survival Data - [link](#)

JAMA Internal Medicine

- Evaluation of Time to Benefit of Statins for the Primary Prevention of Cardiovascular Events in Adults Aged 50 to 75 Years: A Meta-analysis - [link](#)

JAMA Network Open

- Effects of α -Cyclodextrin on Cholesterol Control and Hydrolyzed Ginseng Extract on Glycemic Control in People With Prediabetes: A Randomized Clinical Trial - [link](#)
- Evaluation of Fall and Fracture Risk Among Men with Prostate Cancer Treated With Androgen Receptor Inhibitors - [link](#)
- Clinical Effects of Balanced Crystalloids vs Saline in Adults with Diabetic Ketoacidosis: A Subgroup Analysis of Cluster Randomized Clinical Trials - [link](#)
- Association of Preexisting Interstitial Lung Abnormalities with Immune Checkpoint Inhibitor–Induced Interstitial Lung Disease Among Patients with Non-lung Cancers – [link](#)
- Association of Electronic Cigarette Use with Incident Respiratory Conditions Among US Adults From 2013 to 2018 - [link](#)

JAMA Ophthalmology

- Association of Retinal Vascular Occlusion with Women Filling a Prescription for Female Hormone Therapy - [link](#)

JAMA Pediatrics

- Research Letter: Effect of Antibiotic Use Within First 48 Hours of Life on the Preterm Infant Microbiome: A Randomized Clinical Trial - [link](#)

JAMA Psychiatry

- Prescription Opioid Use and Risk for Major Depressive Disorder and Anxiety and Stress-Related Disorders: A Multivariable Mendelian Randomization Analysis - [link](#)

AMA Surgery

- Review: Guidelines for Opioid Prescribing in Children and Adolescents After Surgery: An Expert Panel Opinion - [link](#)

JAMIA (Journal of the American Medical Informatics Association)

- Optimizing clinical decision support alerts in electronic medical records: a systematic review of reported strategies adopted by hospitals - [link](#)
- Assessing automated product selection success rates in transmissions between electronic prescribing and community pharmacy platforms - [link](#)

Journal of Clinical Oncology

- Systemic Therapy for Advanced Hepatocellular Carcinoma: ASCO Guideline - [link](#)

Journal for Healthcare Quality

- Factors to Consider When Evaluating Rates of Pharmacologic Venous Thromboembolism Prophylaxis Administration Among Trauma Patients - [link](#)

Journal of the American Pharmacists Association

- Using medication containers during pharmacist transitional care visits and impact on medication discrepancies identified and hospital readmission risk - [link](#)

Journal of the Australian Healthcare & Hospitals Association

- Evaluation of the nature, severity, likelihood and preventability of medication-related hospital-acquired complications - [link](#)

Journal of Medical Systems

- Repurposing Clinical Decision Support System Data to Measure Dosing Errors and Clinician-Level Quality of Care - [link](#)

Journal of Palliative Medicine

- Prevalence of Treatment Burden in the Last Three Years of Life - [link](#)

Journal of Patient Experience

- Consumer experiences of Chronic Obstructive Pulmonary Disease in regional Australia: A mixed methods study and logic model to identify consumer-experience mechanisms to avoid hospital and enhance outcomes - [link](#)
- Patient participation strategies: The nursing bedside handover - [link](#)

Lancet

- Ferric carboxymaltose for iron deficiency at discharge after acute heart failure: a multicentre, double-blind, randomised, controlled trial - [link](#)
- Ticagrelor versus clopidogrel in elective percutaneous coronary intervention (ALPHEUS): a randomised, open-label, phase 3b trial - [link](#)
- Estimating the proportion of people with chronic hepatitis B virus infection eligible for hepatitis B antiviral treatment worldwide: a systematic review and meta-analysis - [link](#)
- Viewpoint: Time to reality check the promises of machine learning-powered precision medicine - [link](#)
- Tofacitinib as monotherapy following methotrexate withdrawal in patients with psoriatic arthritis previously treated with open-label tofacitinib plus methotrexate: a randomised, placebo-controlled substudy of OPAL Balance – [link](#)
- Effects of empagliflozin on first and recurrent clinical events in patients with type 2 diabetes and atherosclerotic cardiovascular disease: a secondary analysis of the EMPA-REG OUTCOME [trial](#)
- Review: Sleep disorders in autoimmune encephalitis - [link](#)
- Review: Neuroinflammation in intracerebral haemorrhage: immunotherapies with potential for translation - [link](#)

Molecular Diversity Preservation International (MDPI) – Pharmacy Journal

- Can We Create a Circular Pharmaceutical Supply Chain (CPSC) to Reduce Medicines Waste? - [link](#)
- Knowledge and Attitudes of Student Pharmacists Regarding Polypharmacy and Deprescribing: A Cross-Sectional Study - [link](#)
- Potentially Inappropriate Medication Use in Older Hospitalized Patients with Type 2 Diabetes: A Cross-Sectional Study - [link](#)
- Pharmaceutical Care in Sports – [link](#)
- Clinical Evaluation of Basal-Bolus Therapy Delivered by the V-Go® Wearable Insulin Delivery Device in Patients with Type 2 Diabetes: A Retrospective Analysis - [link](#)
- Pharmacist's Intervention Considering the Prognosis for a Terminal Cancer Patient: A Case Report - [link](#)
- An Observational Cohort Study Evaluating Antimicrobial Use in Peripartum Sepsis: A Tendency towards Overdiagnosis? - [link](#)
- Extended Access to Hormonal Contraception in Pharmacies: A Survey among Swiss Pharmacists - [link](#)

Medical Journal of Australia

- The 2020 Australian guideline for prevention, diagnosis and management of acute rheumatic fever and rheumatic heart disease - [link](#)
- Hospital policies on complementary medicine: a cross-sectional survey of Australian cancer services - [link](#)

National Institute for Health Research (NIHR) Alerts

- Teenagers' use of antidepressants is rising with variations across regions and ethnic groups - [link](#)
- Women with cancer of the stomach or oesophagus are more likely to survive than men, but they have worse side effects from chemotherapy - [link](#)
- First-line chemotherapy for ovarian cancer given once every three weeks may preserve quality of life - [link](#)
- Missed miscarriage should be treated with mifepristone plus misoprostol rather than misoprostol alone - [link](#)
- An interactive website to aid young women's choice of contraception: feasibility and efficacy RCT - [link](#)

New England Journal of Medicine

- A Randomized Trial Comparing Antibiotics with Appendectomy for Appendicitis - [link](#)
- Automated Identification of Adults at Risk for In-Hospital Clinical Deterioration - [link](#)
- Macrolide and Nonmacrolide Resistance with Mass Azithromycin Distribution - [link](#)
- Polypill with or without Aspirin in Persons without Cardiovascular Disease - [link](#)
- Sotagliflozin in Patients with Diabetes and: Chronic Kidney Disease - [link](#)
- Sotagliflozin in Patients with Diabetes and Recent Worsening Heart Failure - [link](#)
- Evinacumab in Patients with Refractory Hypercholesterolemia - [link](#)
- Rivaroxaban in Patients with Atrial Fibrillation and a Bioprosthetic Mitral Valve - [link](#)
- Cryoablation or Drug Therapy for Initial Treatment of Atrial Fibrillation - [link](#)
- Review: Endometrial Cancer - [link](#)
- Correspondence: N-of-1 Trial of a Statin, Placebo, or No Treatment to Assess Side Effects - [link](#)

Pediatrics

- Cost-effectiveness of Interventions to Increase HPV Vaccine Uptake - [link](#)
- A Quality Improvement Intervention to Reduce Postoperative Opiate Use in Neonates - [link](#)
- Commentary: Effectiveness and Equity of Australian Vaccine Mandates - [link](#)

Pharmacotherapy

- First-Dose Vancomycin Pharmacokinetics Versus Empiric Dosing on Area-Under-the-Curve Target Attainment in Critically Ill Patients - [link](#)
- Differences in predicted warfarin dosing requirements between Hmong and East Asians using genotype-based dosing algorithms - [link](#)

Therapeutics and Clinical Risk Management

- Review: Therapeutic Strategies for Mitigating Driving Risk in Patients with Narcolepsy - [link](#)
- Acute Imidacloprid Poisoning in Thailand - [link](#)

Thrombosis and Haemostasis

- Bleeding with Apixaban and Dalteparin in Patients with Cancer-Associated Venous Thromboembolism: Results from the Caravaggio Study - [link](#)

TAG Mail – 11 November 2020

COVID-19 RESOURCES & ARTICLES OF INTEREST

Please click this [link](#) for the cumulative listing of COVID-19 resources in past TAG Mails.

AUSTRALIAN

Australian Government Department of Health

- Coronavirus (COVID-19) mental health campaign resources - [link](#)

Australian Prescriber

- Podcast Episode 92: Testing for COVID-19 - [link](#)

CEC

- COVID-19 Infection Prevention and Control. Residential Aged Care Facilities, Multi-Purpose Services, Community Residential Care Group Homes, Hostels and Refuges - [link](#)

National COVID-19 Clinical Evidence Taskforce

New or updated recommendations as at [05/11/2020](#)

-- New recommendations for: bromhexine hydrochloride

-- Updates to existing guidance: tocilizumab, umifenovir, hydroxychloroquine for pre-exposure prophylaxis, respiratory support in adults

NSW Health Critical Intelligence Unit – Evidence checks

- Infection control recommendations in the emergency department according to local transmission risk - [link](#)

University of Queensland Videos

- Can we really expect our lives to go back to normal in a post-vaccine world? Professor Ian Frazer and Dr Kirsty Short; COVID-19 Know the facts - Ep 6 ([part one](#); [part two](#))

INTERNATIONAL

WHO

- COVID-19 science conversation: 'Science in 5' webinar series: [Episode 11](#) Antibiotics & COVID-19

- Readiness for influenza during the COVID-19 pandemic: policy brief, 6 November 2020 - [link](#)

- Interim Guidance:

-- Considerations for implementing and adjusting public health and social measures in the context of COVID-19 - [link](#)

-- Critical preparedness, readiness and response actions for COVID-19 - [link](#)

New Zealand

-Medsafe (New Zealand Medicines and Medical Devices Safety Authority)

-- Important updates to clozapine data sheets and monitoring during covid-19 pandemic - [link](#)

Canada

-National Collaborating Centre for Methods and Tools

-- Rapid Review: What is known about the risk of COVID-19 transmission across different indoor settings in the community such as restaurants and gyms? - [link](#)

UK

-Healthcare Safety Investigation Branch (HSIB)

-- National report charts challenges of managing COVID-19 transmission in hospitals - [link](#)

- NHS England SPS

-- Summary of COVID-19 medicines guidance: [Mental health and illness](#), [Later life](#), [Learning disabilities](#), [Diabetes](#), [Endocrine system disorders](#), [Gastrointestinal disorders](#), [Eyes and vision](#), [Wounds and injuries](#), [Allergy and immunology](#), [Cardiovascular system disorders](#), [Stroke](#), [Neurological disorders](#), [Paediatric and neonatal medicine](#), [Policy, Commissioning and Managerial](#)

-MHRA

- Publication of a revised clinical commissioning policy: Remdesivir for patients hospitalised with COVID-19 (adults and children aged 12 years and older) - [link](#)

- NICE

-- COVID-19 rapid guideline UPDATE: delivery of systemic anticancer treatments (NG161) - [link](#)

-South Centre

-- The World Health Organization Reforms in the Time of COVID-19 - [link](#)

USA

FDA

- Update: FDA Authorizes Monoclonal Antibody for Treatment of COVID-19 (bamlanivimab) - [link](#)

- Update: FDA Authorizes First Test that Detects Neutralizing Antibodies from Recent or Prior SARS-CoV-2 Infection - [link](#)

JOURNAL ARTICLES

Annals of Internal Medicine

- Podcast: Remdesivir as Treatment for COVID-19 - [link](#)

BMJ

- Head to head: Covid-19 vaccines: Should we allow human challenge studies to infect healthy volunteers with SARS-CoV-2? - [link](#)

BMJ Gut

- Letter: Do proton pump inhibitors influence SARS-CoV-2 related outcomes? A meta-analysis - [link](#)

BMJ Neurology, Neurosurgery & Psychiatry

- Guillain-Barré syndrome and COVID-19: an observational multicentre study from two Italian hotspot regions - [link](#)

BMJ Quality and Safety

- Mortality and pulmonary complications in patients undergoing upper extremity surgery at the peak of the SARS-CoV-2 pandemic in the UK: a national cohort study - [link](#)

BMJ Thorax

- 'Long-COVID': a cross-sectional study of persisting symptoms, biomarker and imaging abnormalities following hospitalisation for COVID-19 - [link](#)

Circulation

- Research Letter: Heparin-Induced Thrombocytopenia in Severe COVID-19 - [link](#)

Cochrane

- Interventions to support the resilience and mental health of frontline health and social care professionals during and after a disease outbreak, epidemic or pandemic: a mixed methods systematic review - [link](#)

- Interventions for the prevention and treatment of COVID-19: a living mapping of research and living network meta-analysis - [link](#)

- Interventions for the treatment of COVID-19: a living network meta-analysis - [link](#)

- COVID-19: support for wellbeing in the healthcare workforce - [link](#)

- COVID-19: infection control and prevention measures - [link](#)

Communicable Diseases Intelligence

- The effect of COVID-19 public health measures on nationally notifiable diseases in Australia: preliminary analysis - [link](#)

Health Affairs

- The Impact Of The COVID-19 Pandemic On Hospital Admissions In The United States - [link](#)

International Journal of Environmental Research and Public Health

- Examining the Change of Human Mobility Adherent to Social Restriction Policies and Its Effect on COVID-19 Cases in Australia - [link](#)

JAMA

- Effect of Hydroxychloroquine on Clinical Status at 14 Days in Hospitalized Patients with COVID-19: A Randomized Clinical Trial - [link](#)

- Viewpoint: Sensible Medicine—Balancing Intervention and Inaction during the COVID-19 Pandemic - [link](#)

JAMIA (Journal of the American Medical Informatics Association)

- Unveiling the silent threat among us: leveraging health information technology in the search for asymptomatic COVID 19 healthcare workers - [link](#)

Journal of Clinical Microbiology

- A Direct Comparison of Enhanced Saliva to Nasopharyngeal Swab for the Detection of SARS-CoV-2 in Symptomatic Patients - [link](#)

Journal of Laryngology & Otology

- Draping during otological and neurotological surgical procedures relevant to the coronavirus disease 2019 era – a laboratory model - [link](#)

Lancet

- Effect of pre-exposure use of hydroxychloroquine on COVID-19 mortality: a population-based cohort study in patients with rheumatoid arthritis or systemic lupus erythematosus using the OpenSAFELY platform - [link](#)

- Commentary: Challenges in creating herd immunity to SARS-CoV-2 infection by mass vaccination - [link](#)

- Bidirectional associations between COVID-19 and psychiatric disorder: retrospective cohort studies of 62 354 COVID-19 cases in the USA - [link](#)

Molecular Diversity Preservation International (MDPI) – Pharmacy Journal

- Impact of Hydroxychloroquine on Mortality in Hospitalized Patients with COVID-19: Systematic Review and Meta-Analysis - [link](#)

Nature

- Real-time, interactive website for US-county-level COVID-19 event risk assessment - [link](#)

New England Journal of Medicine

- Remdesivir for 5 or 10 Days in Patients with Severe Covid-19 - [link](#)

- Persistence and Evolution of SARS-CoV-2 in an Immunocompromised Host - [link](#)

Scientific Reports

- An artificial intelligence-based first-line defence against COVID-19: digitally screening citizens for risks via a chatbot - [link](#)

REPORTS AND PUBLICATIONS – AUSTRALIA

AHHA

- Supplement - Enabling Person Centred, Team Based Care - [link](#)

- The Health Advocate – [November 2020](#)

-- This issue focuses on healthcare reform and features the following: National Digital Health Workforce and Education Roadmap; breakthrough for blood cancer patients; telehealth embraced Aboriginal health practitioners; Unlocking pathology data

Australian Government Department of Health

- Population Based Screening Framework (updated) - [link](#)

Australian Institute for Health and Welfare (AIHW)

- Health expenditure Australia 2018-19 - [link](#)

- Indigenous eye health measures 2020 - [link](#)

- Novel sources of data for monitoring food and nutrition - [link](#)

- Patient experiences in Australia by small geographic areas in 2018–19 - [link](#)

National Safety and Quality Health Service (NSQHS) Standards

- Updates to NSQHS resources

-- Preventing pressure injuries and wound management - [link](#)

-- Comprehensive Care Standard: Screening and assessment for risk of harm ([link](#)); Developing the comprehensive care plan ([link](#))

-- Involving consumers in governance, design and performance-monitoring activities - [link](#)

NSW Health Intranet

- Information Bulletin: Take Home Naloxone supply by hospital units ([IB2020_036](#))

- NSW Family Focused Recovery Framework 2020-2025 - [link](#)

- Updated: Criteria for issuing non-handwritten (computer generated) prescriptions - [link](#)

Pharmacy Council of NSW

- Applying the poisons legislation – practical tips - [link](#)

TGA

- [Database](#) of section 19A approvals to import and supply medicines to address medicine shortages
- AusPARs:
 - [Cemiplimab](#) (Libtayo®) - for treatment of adult patients with metastatic or locally advanced cutaneous squamous cell carcinoma who are not candidates for curative surgery or curative radiation.
 - [Melatonin](#) (Slenyto®) - for treatment of insomnia in children and adolescents aged 2-18 with Autism Spectrum Disorder (ASD) and / or Smith-Magenis syndrome, where sleep hygiene measures have been insufficient.
 - [Isatuximab](#) (Sarclisa®) - indicated in combination with pomalidomide and dexamethasone, for treatment of patients with multiple myeloma (MM) who have received at least two prior therapies including lenalidomide and a proteasome inhibitor (PI).
- Australian prescription medicine decision summaries:
 - [Inqovi 35/100](#) (decitabine and cedazuridine) - approved to treat adult patients with myelodysplastic syndromes and CMML.
 - [MenQuadfi](#)® (meningococcal (groups A, C, Y, W) polysaccharide tetanus toxoid conjugate vaccine) approved for the prevention of invasive meningococcal disease.

SHPA

- Practice updates: [Hospital-initiated medication reviews](#) - November 2020

REPORTS AND PUBLICATIONS – INTERNATIONAL

Agency for Healthcare Research and Quality (AHRQ) USA

- Methods White Paper - Roadmap for Narratively Describing Effects of Interventions in Systematic Reviews - [link](#)
- Pharmacologic and Non-pharmacologic Treatments for Posttraumatic Stress Disorder - [link](#)
- Testing a Machine Learning Tool for Facilitating Living Systematic Reviews of Chronic Pain Treatments - [link](#)
- Prevention, Diagnosis, and Management of Opioids, Opioid Misuse, and Opioid Use Disorder in Older Adults - [link](#)

Canadian Agency for Drugs and Technologies in Health

- Outpatient or Short Stay Total Hip or Knee Arthroplasty versus Conventional Total Hip or Knee Arthroplasty: A Review of Clinical Effectiveness, Cost-Effectiveness and Guidelines - [link](#)

electronic Medicines Compendium (eMC) (UK)

- New products
- Zejula ([niraparib](#)) capsules - for advanced epithelial (FIGO Stages III and IV) high-grade ovarian, fallopian tube or primary peritoneal cancer who are in complete or partial response following platinum-based chemotherapy
- Zeposia ([ozanimod](#)) capsules - for treatment of adults with relapsing remitting multiple sclerosis with active disease as defined by clinical or imaging features.
- Symbicort, 100/3 micrograms ([budesonide/formoterol](#)) actuation pressurised inhalation, for regular treatment of asthma, where use of combination (inhaled corticosteroid and long-acting β_2 adrenoceptor agonist) is appropriate.
- Ilaxten ([bilastine](#)) oral solution - for symptomatic treatment of allergic rhino-conjunctivitis (seasonal and perennial) and urticaria in children aged 6 to 11 years with a body weight \geq 20 kg
- Otigo ([lidocaine hydrochloride](#), [phenazone](#)) 40 mg-10 mg/g ear drops solution - for local symptomatic treatment and pain relief in acute, congestive otitis media; otitis in influenza and barotraumatic otitis.

GOV.UK

- Guidance: E-cigarettes: regulations for consumer products - [link](#)

NHS England

- Sapropterin for phenylketonuria (all ages) not recommended - [link](#)
- Mercaptamine hydrochloride viscous eyedrops for corneal cystine deposits in people aged older than 2 years. Not recommended - [link](#)
- Defibrotide for severe veno-occlusive disease following stem cell transplant. Recommended - [link](#)

National Institute for Health and Clinical Excellence (NICE) UK

- Human and animal bites: antimicrobial prescribing (NG184) - [link](#)
- Dexcom G6 for real-time continuous glucose monitoring (MIB233) - [link](#)
- ClearGuard HD Antimicrobial Barrier Cap for preventing haemodialysis catheter-related bloodstream infections (MIB234) - [link](#)

Public Health England

- Antibiotic use and resistance: 2017 survey of public awareness and practice - [link](#)

Specialist Pharmacy Services

- What is the risk of interaction between opioids and monoamine oxidase inhibitors (MAOIs)? - [link](#)
- What is St Mark's Electrolyte Mix (solution)? - [link](#)
- What injections can be given orally or via enteral feeding tubes? - [link](#)
- Alternative parenteral acid suppressants covering main indications of intravenous ranitidine in children - [link](#)

The King's Fund (UK)

- What is social prescribing? (Updated) - [link](#)

MEDICATION SAFETY

electronic Medicines Compendium (eMC) (UK)

- Revised SPCs
- Ferinject ([ferric carboxymaltose](#)) - warns that symptomatic hypophosphataemia leading to osteomalacia and fractures requiring clinical intervention including surgery has been reported in the post marketing setting.
- Phenergan ([promethazine](#)) - restless legs syndrome has been added adverse effect.
- Kigabeg ([vigabatrin](#)) tablets- insomnia and alopecia (frequency "common") and reduced visual acuity (frequency "not known") added as adverse effects.
- Obizur ([susoctocog alfa](#))- anamnestic reactions with rise in human factor VIII and/or porcine factor VIII inhibitors commonly reported with Obizur, may result in lack of response
- Orfadin ([nitisinone](#)) extended indication added: treatment of adult patients with alkaptonuria.
- Imraldi ([adalimumab](#)) 40mg syringe - updated to note the pre-filled syringe and pre-filled pen are only available as a 40mg dose; thus, not possible to administer to paediatric patients requiring a smaller dose. If an alternative dose is required, other presentations should be used.
- Cimzia ([certolizumab pegol](#)) - Kaposi's sarcoma added as an adverse event (frequency unknown).
- Duotrav ([travoprost and timolol](#)) eye drops - Hallucinations have been added as a potential adverse effect of treatment (frequency unknown).
- Remsima ([infliximab](#)) infusion - Kaposi's sarcoma added as potential adverse effect (frequency unknown).

GOV.UK

- Guidance: Isotretinoin- an expert review of suspected psychiatric and sexual side effects - [link](#)

Healthcare Safety Investigation Branch (HSIB)

- The assessment of venous thromboembolism risks associated with pregnancy - [link](#)

Medsafe (New Zealand Medicines and Medical Devices Safety Authority)

- Information Leaflets: Reporting side effects of medicines - [link](#)
- Reclassification of codeine - [link](#)

PAPERS OF INTEREST

American Diabetes Association - Diabetes care

- Association of Serum 25-Hydroxyvitamin D Concentrations with All-Cause and Cause-Specific Mortality among Individuals with Diabetes - [link](#)
- Effects of a Tailored Text Messaging Intervention among Diverse Adults with Type 2 Diabetes: Evidence From the 15-Month REACH Randomized Controlled Trial - [link](#)

American Journal of Health-System Pharmacy (AHJP)

- Educating community clinicians using principles of academic detailing in an evolving landscape - [link](#)
- Effectiveness of a decontamination procedure in a pharmacy buffer room contaminated by 5 antineoplastic agents - [link](#)

American Psychologist

- Patient race and opioid misuse history influence provider risk perceptions for future opioid-related problems - [link](#)

Annals of Internal Medicine

- Development and Validation of a Modified Full Age Spectrum Creatinine-Based Equation to Estimate Glomerular Filtration Rate. A Cross-sectional Analysis of Pooled Data- [link](#)
- Editorial: Improving Glomerular Filtration Rate Estimation—Across the Age and Diversity Spectrum - [link](#)
- Clinical Guidelines: Diabetes Management in Chronic Kidney Disease: Synopsis of the 2020 KDIGO - [link](#)

Arthritis and Rheumatology

- Venous thromboembolism risk with JAK inhibitors: A Meta-analysis - [link](#)

BMJ Quality and Safety

- Factors influencing physician responsiveness to nurse-initiated communication: a qualitative study - [link](#)
- Changes in weekend and weekday care quality of emergency medical admissions to 20 hospitals in England during implementation of the 7-day services national health policy - [link](#)

British Journal of Anaesthesia

- Association of intraoperative anaesthesia handovers with patient morbidity and mortality: a systematic review and meta-analysis - [link](#)

British Journal of Clinical Pharmacology

- Commentary: Appropriate and inappropriate polypharmacy—Choosing the right strategy - [link](#)
- Effectiveness of a targeted and tailored pharmacist-led intervention to improve adherence to antihypertensive drugs among patients with type 2 diabetes in Indonesia: A cluster randomised controlled trial - [link](#)
- Regional, national and international datasets: How they improve our understanding of the acute harms associated with prescription medicine misuse - [link](#)
- Commentary: The role of behavioural science in changing deprescribing practice - [link](#)
- Development and validation of the Adverse Inpatient Medication Event model (AIME) - [link](#)
- Population pharmacokinetics, safety and dosing optimization of voriconazole in patients with liver dysfunction: A prospective observational study - [link](#)

British Medical Journal (BMJ)

- Consistency of variety of machine learning and statistical models in predicting clinical risks of individual patients: longitudinal cohort study using cardiovascular disease as exemplar - [link](#)
- Mortality due to cancer treatment delay: systematic review and meta-analysis - [link](#)
- Associations between high temperatures in pregnancy and risk of preterm birth, low birth weight, and stillbirths: systematic review and meta-analysis - [link](#)
- Effect of monitoring surgical outcomes using control charts to reduce major adverse events in patients: cluster randomised trial - [link](#)
- Clinical Review: Treatment of epithelial ovarian cancer - [link](#)

BMH Annals of the Rheumatic Diseases

- Efficacy of tocilizumab in patients with hand osteoarthritis: double blind, randomised, placebo-controlled, multicentre trial - [link](#)

BMJ Heart

- Review: Obstructive sleep apnoea, intermittent hypoxia and heart failure with a preserved ejection fraction - [link](#)
- Pharmacology before, during and after percutaneous coronary intervention - [link](#)

BMJ Nutrition, Prevention & Health

- Insights from a general practice service evaluation supporting a lower carbohydrate diet in patients with type 2 diabetes mellitus and prediabetes: a secondary analysis of routine clinic data including HbA1c, weight and prescribing over 6 years - [link](#)

BMJ Open

- Self-reported health without clinically measurable benefits among adult users of multivitamin and multimineral supplements: a cross-sectional study - [link](#)

BMJ Open Quality

- Prioritising recommendations following analyses of adverse events in healthcare: a systematic review - [link](#)

BMJ Thorax

- Effect of vitamin D supplementation on asthma control in patients with vitamin D deficiency: the ACVID randomised clinical trial - [link](#)

Clinical Rehabilitation

- Can the early use of botulinum toxin in post stroke spasticity reduce contracture development? A randomised controlled trial - [link](#)

Cochrane

- (Ultra-) long-acting insulin analogues versus NPH insulin (human isophane insulin) for adults with type 2 diabetes mellitus - [link](#)
- Intravenous versus intramuscular prophylactic oxytocin for the third stage of labour - [link](#)
- Maintenance agonist treatments for opiate-dependent pregnant women - [link](#)
- Band ligation versus sclerotherapy for primary prophylaxis of oesophageal variceal bleeding in children with chronic liver disease or portal vein thrombosis - [link](#)
- Inotropic agents and vasodilator strategies for the treatment of cardiogenic shock or low cardiac output syndrome - [link](#)
- Ivabradine as adjuvant treatment for chronic heart failure - [link](#)
- Phlebotonics for venous insufficiency - [link](#)
- Specialised early intervention teams (extended time) for recent-onset psychosis - [link](#)
- Specialised early intervention teams for recent-onset psychosis - [link](#)
- Prophylactic use of inotropic agents for the prevention of low cardiac output syndrome and mortality in adults undergoing cardiac surgery - [link](#)
- Immunotherapy for advanced or metastatic urothelial carcinoma - [link](#)

Health Expectations

- Developing a patient safety guide for primary care: A co-design approach involving patients, carers and clinicians - [link](#)

Internal Medicine Journal

- Specialist haematology consultation services in regional Western Australia: Evaluating a model combining telehealth and onsite clinics - [link](#)

International Journal of Clinical Pharmacy

- A qualitative study of prescribing errors among multi-professional prescribers within an e-prescribing system - [link](#)
- Pharmaceutical interventions on prescriptions in Norwegian community and hospital pharmacies - [link](#)
- Self-administration of medications for chronic diseases and drug-related hospital admissions in elderly patients at a Thai hospital - [link](#)
- A randomised trial of pharmacist-led discharge prescribing in an Australian geriatric evaluation and management service - [link](#)

JAMA

- Effect of e-Cigarettes plus Counseling vs Counseling Alone on Smoking Cessation: A Randomized Clinical Trial - [link](#)

- Effect of Vitamin D Supplementation, Omega-3 Fatty Acid Supplementation, or a Strength-Training Exercise Program on Clinical Outcomes in Older Adults. The DO-HEALTH RCT - [link](#)
- Performance Improvement: Outpatient Management of Liver Function Test Abnormalities in Patients with a Liver Transplant - [link](#)

JAMA Network Open

- Association of Electronic Health Record Use above Meaningful Use Thresholds with Hospital Quality and Safety Outcomes - [link](#)
- Effect of Sodium Benzoate vs Placebo among Individuals with Early Psychosis
A Randomized Clinical Trial - [link](#)
- Association of Prenatal Exposure to Valproate and Other Antiepileptic Drugs with Intellectual Disability and Delayed Childhood Milestones - [link](#)
- Incidence, Persistence, and Remission Rates of Insomnia over 5 Years - [link](#)

JAMA Neurology

- Ticagrelor Added to Aspirin in Acute Ischemic Stroke or Transient Ischemic Attack in Prevention of Disabling Stroke. A Randomized Clinical Trial - [link](#)

JAMA Oncology

- Effect of Taxane Chemotherapy with or without Indoximod in Metastatic Breast Cancer
A Randomized Clinical Trial - [link](#)
- Efficacy of Circulating Tumor Cell Count–Driven vs Clinician–Driven First-line Therapy Choice in Hormone Receptor–Positive, ERBB2–Negative Metastatic Breast Cancer. The STIC CTC
Randomized Clinical Trial - [link](#)
- Viewpoint: Drug Approvals in Hepatocellular Carcinoma—Filling the Nonexistent Gap? - [link](#)

JAMA Pediatrics

- Antibiotic Susceptibility of Escherichia coli Among Infants Admitted to Neonatal Intensive Care Units Across the US From 2009 to 2017- [link](#)

JAMA Psychiatry

- Viewpoint: Use of Genetically Informed Methods to Clarify the Nature of the Association between Cannabis Use and Risk for Schizophrenia- [link](#)

JAMIA (Journal of the American Medical Informatics Association)

- Reducing electronic health record-related burnout in providers through a personalized efficiency improvement program - [link](#)

Journal of Medical Systems

- Health Outcomes and Healthcare Efficiencies Associated with the Use of Electronic Health Records in Hospital Emergency Departments: a Systematic Review - [link](#)

Journal of Medical Internet Research

- Lessons from the COVID-19 pandemic: People’s experiences and satisfaction with telehealth during the COVID-19 pandemic in Australia - [link](#)

JMIR Medical Informatics

- Integrating and Evaluating the Data Quality and Utility of Smart Pump Information in Detecting Medication Administration Errors: Evaluation Study - [link](#)

JMIR Human Factors

- Twelve-Month Review of Infusion Pump Near-Miss Medication and Dose Selection Errors and User-Initiated “Good Save” Corrections: Retrospective Study - [link](#)

Journal of the American Pharmacists Association

- Wrong drug and wrong dose dispensing errors identified in pharmacist professional liability claims - [link](#)

Journal of Patient Safety and Risk Management

- Characterising the types of paediatric adverse events detected by the global trigger tool – CareTrack Kids - [link](#)

Journal of Surgical Research

- Cognitive Bias Impact on Management of Postoperative Complications, Medical Error, and Standard of Care - [link](#)

Journal of Women's Health

- Obstetrician-Gynecologist Views of Pregnancy-Related Medication Safety - [link](#)

Lancet

- Efficacy and safety of lowering LDL cholesterol in older patients: a systematic review and meta-analysis of randomised controlled trials - [link](#)
- Elevated LDL cholesterol and increased risk of myocardial infarction and atherosclerotic cardiovascular disease in individuals aged 70–100 years: a contemporary primary prevention cohort - [link](#)
- Long-term cardiovascular safety of febuxostat compared with allopurinol in patients with gout (FAST): a multicentre, prospective, randomised, open-label, non-inferiority trial - [link](#)
- Intravenous alteplase for stroke with unknown time of onset guided by advanced imaging: systematic review and meta-analysis of individual patient data - [link](#)
- Rapid review: New therapies for neuromyelitis optica spectrum disorder - [link](#)
- Validating clinical practice guidelines for the management of children with non-blanching rashes in the UK (PiC): a prospective, multicentre cohort study - [link](#)

Molecular Diversity Preservation International (MDPI) – Pharmacy Journal

- Staff and Users' Experiences of Pharmacy-Based Sexual and Reproductive Health Services: A Qualitative Interview Study from the UK - [link](#)
- Pharmacy Students' Perceptions and Stigma Surrounding Naloxone Use in Patients with Opioid Use Disorder: A Mixed Methods Evaluation - [link](#)

Medical Journal of Australia

- Switching Australian patients with moderate to severe inflammatory bowel disease from originator to biosimilar infliximab: a multicentre, parallel cohort study - [link](#)

National Institute for Health Research (NIHR) Signals

- National infection control campaigns led to a rapid decline in superbug infections in UK intensive care units - [link](#)
- Artificial intelligence can predict the development of a leading cause of blindness - [link](#)
- Antimicrobial-impregnated central venous catheters for preventing neonatal bloodstream infection: the PREVAIL RCT - [link](#)

New England Journal of Medicine

- Review: Migraine - [link](#)
- Review: Esophageal Motility Disorders and Gastroesophageal Reflux Disease - [link](#)
- Screening and Intervention to Prevent Falls and Fractures in Older People - [link](#)
- Colchicine in Patients with Chronic Coronary Disease - [link](#)
- Automated Identification of Adults at Risk for In-Hospital Clinical Deterioration - [link](#)

Pediatrics (American Academy of Pediatrics)

- Smoking Intention and Progression from E-Cigarette Use to Cigarette Smoking - [link](#)
- Quality Improvement Incorporating a Feedback Loop for Accurate Medication Reconciliation - [link](#)

Pharmacoepidemiology & Drug Safety

- Impact of a nationwide prospective drug utilization review program to improve prescribing safety of potentially inappropriate medications in older adults: An interrupted time series with segmented regression analysis - [link](#)

Pharmacotherapy: The Journal of Human Pharmacology & Drug Therapy

- Advances in Personalized Medicine and Non-Invasive Diagnostics in Solid Organ Transplantation - [link](#)

- Use of Direct-acting Oral Anticoagulants in Solid Organ Transplantation: A Systematic Review - [link](#)
- Considerations and Controversies of Pharmacologic Management of the Pediatric Kidney Transplant Recipient - [link](#)

Public Library of Science (PLOS)

- Efficacy and safety of dolutegravir plus emtricitabine versus standard ART for the maintenance of HIV-1 suppression: 48-week results of the factorial, randomized, non-inferiority SIMPL'HIV trial - [link](#)

Science and Practice

- Case Report: Patient errors in use of injectable antidiabetic medications: A need for improved clinic-based education - [link](#)

Therapeutics and Clinical Risk Management

- Safety Assessment of the Pharmacotherapy Process at the Nurse and Midwife Level – An Observational Study - [link](#)

Thrombosis and Haemostasis

- Satisfaction of Patients with Nonvitamin K Anticoagulants Compared to Vitamin K Antagonists: a Systematic Review and Meta-analysis - [link](#)
- Effectiveness and Safety of Apixaban, Low-Molecular-Weight Heparin, and Warfarin among Venous Thromboembolism Patients with Active Cancer: A U.S. Claims Data Analysis - [link](#)
- Review: The East Asian Paradox: An Updated Position Statement on the Challenges to the Current Antithrombotic Strategy in Patients with Cardiovascular Disease - [link](#)

TAG Mail – 5 November 2020

COVID-19 RESOURCES & ARTICLES OF INTEREST

Please click this [link](#) for the cumulative listing of COVID-19 resources in past TAG Mails.

AUSTRALIAN

Australian Government Department of Health

- COVID-19 Mental Health Campaign - [link](#) resources [link](#)
- COVID-19 Response Update for general practitioners - 5 November 2020 – [link](#)

Australian and New Zealand Intensive Care Society

- Updated ANZICS COVID-19 Guidelines - [link](#)

CEC

- Respiratory Protection Program Implementation Resources - [link](#)

National COVID-19 Clinical Evidence Taskforce

- New or updated recommendations as at [29/10/2020](#)
- New recommendations for: triazavirin, other immunomodulatory agents (PIMS-TS), aspirin and antithrombotic agents (PIMS-TS)
- Updates: corticosteroids, remdesivir for adults, hydroxychloroquine, Interferon β -1a, lopinavir-ritonavir, hydroxychloroquine for post-exposure prophylaxis, corticosteroids for (PIMS-TS)

NSW Health Critical Intelligence Unit – Evidence checks

- Second spike in COVID-19 cases - [link](#)
- Respirator fit testing - [link](#)

INTERNATIONAL

WHO

- Q&A Coronavirus disease: Vaccines
- COVID-19 science conversation: 'Science in 5' webinar series: [Episode 10](#) Ventilation & COVID-19
- What strategies are countries using to expand health workforce surge capacity during the COVID-19 pandemic? - [link](#)
- Interim guidance:

- Continuity of essential health services: facility assessment tool: a module from the suite of health service capacity assessments (20/10/20) - [link](#)
- Ensuring a safe environment for patients and staff in COVID-19 health-care facilities: a module from the suite of health service capacity assessments (20/10/20) - [link](#)
- Diagnostics, therapeutics, vaccine readiness, and other health products: a module from the suite of health service capacity assessments (20/10/20) - [link](#)
- Infection prevention and control health-care facility response: a module from the suite of health service capacity assessments (20/10/20) - [link](#)
- Prevention, identification & management of health worker infection (30/10/20) - [link](#)
- Harmonized health service capacity assessments in the context of the COVID-19 pandemic (2/11/20) - [link](#)

UK

- BMJ Talk Evidence Podcast
- Talking risk, remdesivir, and relevant research - [link](#)
- Safety Investigation Branch (HSIB)
- COVID-19 transmission in hospitals: management of the risk – a prospective safety investigation - [link](#)
- NHS England SPS
- Summary of COVID-19 medicines guidance: [Surgery](#), [Infection and Infectious diseases](#), [Critical Care](#), [Musculo-skeletal disorders](#), [Haematological disorders](#), [Family planning](#), [Obstetrics and gynaecology](#)

USA

- American Society of Health-System Pharmacists (ASHP)
- Masks for Prevention of COVID-19 in Community and Healthcare Settings: A Living Rapid Review - [link](#)
- The Joint Commission
- COVID-19 Lessons Learned: A Resource for Recovery - [link](#) Podcast [here](#)

JOURNAL ARTICLES

American Journal of Health-System Pharmacy (AHJP)

- Dynamic pharmacy leadership during the COVID-19 crisis: Optimizing patient care through formulary and drug shortage management - [link](#)
- Medication utilization in patients in New York hospitals during the COVID-19 pandemic - [link](#)

Blood advances

- Frequency of venous thromboembolism in 6513 patients with COVID-19: a retrospective [study](#)

BMC Rheumatology

- Rheumatic manifestations of COVID-19: a systematic review and meta-analysis - [link](#)

BMJ

- Risk of hospital admission with coronavirus disease 2019 in healthcare workers and their households: nationwide linkage cohort study - [link](#)

BMJ Quality & Safety

- Viewpoint: Vulnerability of the medical product supply chain: the wake-up call of COVID-19 - [link](#)

Cell Discovery

- Antihypertensive drugs are associated with reduced fatal outcomes and improved clinical characteristics in elderly COVID-19 patients - [link](#)

Emergency Medicine Australasia

- It's time: delivering optimal emergency care of residents of aged care facilities in the era of COVID-19 (QLD) - [link](#)

European Journal of Pharmaceutical Sciences

- Clinical Outcomes and Plasma Concentrations of Baloxavir Marboxil and Favipiravir in COVID-19 Patients: An Exploratory Randomized, Controlled Trial - [link](#)

Environmental Research

- COVID-19 and climatic factors: A global analysis - [link](#)

Frontiers in Endocrinology

- The Impact of COVID-19 on Blood Glucose: A Systematic Review and Meta-Analysis - [link](#)

Heart Lung and Circulation

- COVID-19 and Microvascular Disease: Pathophysiology of SARS-CoV-2 Infection with Focus on the Renin-Angiotensin System - [link](#)

JAMA Oncology

- Integrated Survival Estimates for Cancer Treatment Delay among Adults with Cancer during the COVID-19 Pandemic - [link](#)

JAMIA

- FLANNEL: Focal Loss Based Neural Network Ensemble for COVID-19 Detection - [link](#)

Journal of Cardiac Surgery

- COVID-19: An Australian center's perspective - [link](#)

Journal of General Internal Medicine

- Review: Chloroquine and Hydroxychloroquine for the Treatment of COVID-19: a Systematic Review and Meta-analysis - [link](#)

Journal for Healthcare Quality

- Finding a New Normal: Hospital Governance Best Practices during COVID-19 – [link](#)

Journal of Medical Virology

- Systematic review and meta-analysis of factors associated with re-positive viral RNA after recovery from COVID-19 - [link](#)

Journal of Neurology

- Neurological manifestations of patients infected with the SARS-CoV-2: a systematic review of the literature - [link](#)

Lancet

- Catecholamine physiology and its implications in patients with COVID-19 - [link](#)
- SARS-CoV-2 seroprevalence and transmission risk factors among high-risk close contacts: a retrospective cohort study - [link](#)

Nature

- Explaining among-country variation in COVID-19 case fatality rate - [link](#)
- SARS-CoV-2 viral load is associated with increased disease severity and mortality - [link](#)
- Assessing the risks of 'infodemics' in response to COVID-19 epidemics - [link](#)
- Age-specific mortality and immunity patterns of SARS-CoV-2 - [link](#)
- COVID-19-associated gastrointestinal & liver injury: clinical features and potential mechanisms - [link](#)

New England Journal of Medicine

- SARS-CoV-2 Neutralizing Antibody LY-CoV555 in Outpatients with Covid-19 - [link](#)
- Humoral Immune Response to SARS-CoV-2 in Iceland - [link](#)

Pediatrics

- Fetal Inflammatory Response Syndrome Associated with Maternal SARS-CoV-2 Infection - [link](#)

Public Library of Science (PLOS)

- Acute kidney injury associated with COVID-19: A retrospective cohort study - [link](#)

Science

- Robust neutralizing antibodies to SARS-CoV-2 infection persist for months - [link](#)

Scientific Reports

- Cost-benefit of limited isolation and testing in COVID-19 mitigation - [link](#)
- Spatial super-spreaders and super-susceptibles in human movement networks - [link](#)

Stroke

- Ischemic Stroke Occurs Less Frequently in Patients with COVID-19 - [link](#)

Therapeutics and Clinical Risk Management

- N-Acetylcysteine to Combat COVID-19: An Evidence Review - [link](#)

Value in Health

- Cost-Effectiveness of Antiviral Treatments for Pandemics and Outbreaks of Respiratory Illnesses, Including COVID-19: A Systematic Review of Published Economic Evaluations - [link](#)

OTHER NEWS

Antimicrobial Awareness Week 18-24 November 2020

- ACSQHC resources - [link](#)
- The slogan for 2020 is 'Antimicrobials: handle with care', applicable to all sectors, and the theme for the human health sector is 'United to preserve antimicrobials'.
- The CEC will be running a social media campaign following the journey of a fictitious patient. Key messages will be released via Twitter each weekday of AAW coupled with additional information on the [CEC AAW webpage](#).
- WHO - [link](#)

Audit and Feedback MetaLab

Webinar: Advancing Audit & Feedback Science and Antibiotic Stewardship in Primary Care, Wed 11 November, 8:15-9:00am AEDT; Live Q&A with Canada from 9:00-9:30am AEDT - [link](#)

Australian Prescriber

- **Opioid prescribing in dentistry – is there a problem?** - [link](#)

CEC

- Upcoming changes to incident management - [link](#)

NPS MedicineWise

- **Dementia and changed behaviours: supporting the person at the centre** - [link](#)
- **Two hepatitis C medicines delisted from the PBS** - [link](#)
- **Making safe and wise decisions for biological disease-modifying antirheumatic drugs (bDMARDs) and other specialised medicines** - [link](#)

Survey The University of Canberra

- **Collaborative care and team effectiveness survey for pharmacists in general practices.** The University of Canberra pharmacy practice team invites **pharmacists who are currently working in general practices** as general practice pharmacists to complete this 15 minute survey. The survey explores the collaborative relationship between the family practice pharmacist and other health care professionals in general practices - [link](#)

REPORTS AND PUBLICATIONS – AUSTRALIA

Agency for Clinical Innovation, NSW (ACI)

- Clinician Connect Issue October 2020 - [link](#)

Australian Commission on Safety and Quality in Health Care (ACSQHC)

- Antimicrobial Stewardship in Australian Health Care Book. New Chapter added: Antimicrobial Stewardship in the Care of Children – Chapter 14 - [link](#)

Australian Institute for Health and Welfare (AIHW)

- Indigenous Health Performance Framework (IHPF)- High Blood Pressure - [link](#)
- Cancer data in Australia - [link](#)
- Government Spending on Aged Care - [link](#)

CATAG

- Position Statement on the use of low-dose methotrexate - [link](#)

NSW Health Intranet

- Policy: Prevention and Management of Workplace Bullying in NSW Health (update) - [link](#)
- Policy: Prevention and Management of Unacceptable Workplace Behaviours in NSW Health - JMO Module (update) - [link](#)
- NSW HIV surveillance data reports - [link](#)
- NSW Strategic Framework and Workforce Plan for Mental Health 2018-2022 - Progress Report for 2019 - [link](#)

PBS

- General Statement for Drugs for the Treatment of Hepatitis C - [link](#)
- PBAC Public Summary Documents – July 2020 to 30 October 2020 - [link](#)

Pharmacy Council of NSW

- Applying the poisons legislation - Computer generated Schedule 8 prescriptions - [link](#)

TGA

- Safety advisory: INFINITY 10K capsules (contains undeclared substances sildenafil or tadalafil) -[link](#)
- Registration of [new or extended uses](#) of registered medicine:
 - apalutamide (ERLYAND) (film coated tablet) is now also indicated for the treatment of patients with metastatic castration-sensitive prostate cancer.
- Registration of [new chemical entities](#) in Australia:
 - meningococcal (Groups A,C,Y,W) polysaccharide tetanus toxoid conjugate vaccine (MENQUADFI) is indicated for active immunisation for the prevention of invasive meningococcal disease caused by Neisseria meningitidis serogroups A, C, W and Y.

The Communiques Australia

- Future Leaders Communiqué Volume 05. Issue 04 - [link](#)

REPORTS AND PUBLICATIONS – INTERNATIONAL

Canadian Agency for Drugs and Technologies in Health

- IV Fentanyl Patient Controlled Analgesia for Patients in Labour:A Qualitative Reference [List](#)

Care Quality Commission (UK)

- Out of sight – who cares? Restraint, segregation and seclusion review - [link](#)

electronic Medicines Compendium (eMC) (UK)

- Flucelvax Tetra ([influenza vaccine](#), surface antigen, inactivated) - suspension for injection in pre-filled syringe - updated to reflect licence extension to cover use from age 2 years (previously 9 years).
- Mezavant XL ([mesalazine](#)) prolonged release tablets - revised to include new paediatric indication: for induction and maintenance of clinical and endoscopic remission in children and adolescents (weighing more than 50 kg and age 10 years or older) with mild to moderate, active ulcerative colitis.
- New products
 - Nutrizym 22 ([Pancreatin](#)) - each capsule containing pancreatin 313 mg (with not less than 22,000 units lipase, 1,100 units protease and 19,800 units amylase activity) is licensed for symptomatic relief of pancreatic exocrine insufficiency e.g. chronic pancreatitis.

Food and Drug Administration (FDA) USA

- FDA Approves Lotion (Ivermectin 0.5%) for non-prescription use to treat head lice - [link](#)

Institute for Healthcare Improvement

- Workforce Safety Key to Patient Safety - [link](#)

Medicines and Healthcare products Regulatory Agency (MHRA)

- Berotralstat in the treatment of hereditary angioedema - [link](#)

National Institute for Health and Clinical Excellence (NICE) UK

- Evidence Summary: Antimicrobial prescribing: imipenem with cilastatin and relebactam [\[ES30\]](#)
- Human and animal bites: antimicrobial prescribing – guidance [\[NG184\]](#)
- ClearGuard HD Antimicrobial Barrier Cap for preventing haemodialysis catheter-related bloodstream infections [\[MIB234\]](#)
- Dexcom G6 for real-time continuous glucose monitoring [\[MIB233\]](#)
- Shared learning database: Stroke Prevention in Atrial Fibrillation (AF) Protect and Perfect – Optimising anticoagulation treatment - [link](#)

Organisation for Economic Co-operation and Development (OECD)

- The Economics of Patient Safety. From analysis to action - [link](#)

Royal Pharmaceutical Society

- Improving care of people with mental health conditions: how pharmacists can help – [link](#)
- Untangling IBS from IBD - [link](#)

Specialist Pharmacy Services

- Can low dose aspirin be used in breastfeeding mothers as an antiplatelet agent? - [link](#)
- Can mothers breastfeed after a medical termination of pregnancy? - [link](#)
- What is the Child-Pugh score? - [link](#)
- What pharmacokinetic and pharmacodynamic factors need to be considered when prescribing drugs for patients with liver disease? - [link](#)
- Why is the adverse effect profile of a drug relevant when prescribing for patients with liver disease? - [link](#)

MEDICATION SAFETY

electronic Medicines Compendium (eMC) (UK)

- Revised SPCs
- Cimzia ([certolizumab pegol](#)) – Kaposi’s sarcoma added as an adverse event (frequency unknown)
- Tasigna ([nilotinib hydrochloride monohydrate](#))- Facial paralysis added as adverse event (frequency unknown).
- Ranexa ([ranolazine](#))- Myoclonus added as an adverse event (unknown frequency). Also advises postmarketing reports of intentional overdose of ranolazine alone or in combination with other drugs with a fatal outcome.
- Humulin ([human insulin](#)) - patients must be instructed to perform continuous rotation of the injection site to reduce the risk of developing lipodystrophy and cutaneous amyloidosis, which can lead to potential risk of delayed insulin absorption and worsened glycaemic control.
- Transtec ([buprenorphine](#)) patch- now warns that concomitant administration with other serotonergic agents, such as SSRIs, SNRIs or TCAs may result in potentially life-threatening serotonin syndrome.
- Crysvita ([burosumab](#))- Increase in blood phosphorus added as adverse effect (unknown frequency).
- Dalacin ([clindamycin](#)) T Topical Solution - updated with information on congenital abnormalities associated with use of clindamycin in the first, second and third trimester of pregnancy; and warns of risk of use during breast-feeding. Also now advises that clindamycin has no effects on fertility/mating ability.
- Zessly ([infliximab](#)) & Hyrimoz ([adalimumab](#)) - revised to include Kaposi’s sarcoma (a rare cancer related to infection with human herpes virus 8), which most commonly appears as purple lesions on the skin, as adverse effect of treatment (unknown frequency).
- Ciproxin ([ciprofloxacin](#)) - now includes detail on the increased risk of aortic aneurysm and dissection, and of aortic and mitral valve regurgitation with fluoroquinolones. Only use after careful benefit-risk assessment.
- [Moviprep](#) & [Plenvue](#) (macrogol) powder - now advises there have been post-marketing cases of ischaemic colitis with macrogol. It should be used with caution in patients with known risk factors for ischaemic colitis or in case of concomitant use of stimulant laxatives (such as bisacodyl or sodium picosulfate).

Food and Drug Administration (FDA) USA

- FDA recommends avoiding use of NSAIDs in pregnancy at 20 weeks or later because they can result in low amniotic fluid - [link](#)
- FDA advises health care professionals and patients about insulin pen packaging & dispensing - [link](#)

Health Canada – MedEffect Notice

- Health Product InfoWatch, [October 2020](#)
- Safety Review - Brilinta (ticagrelor) - Assessing the Potential Risk of Central Sleep Apnea - [link](#)
- Updates to safety labelling for benzodiazepines and benzodiazepine-like drugs - [link](#)
- Use of Non-Steroidal Anti-Inflammatory Drugs (NSAIDs) beyond 20 weeks of pregnancy and risk of kidney damage in unborn babies, leading to low amniotic fluid - [link](#)

Health Quality & Safety Commission New Zealand

- #MedSafetyWeek 2020 urges reporting of adverse drug reactions - [link](#)

Institute for Safe Medication Practices (ISMP) USA

- Medication Safety Alert! November 5, 2020
- ISMP [Survey](#) Provides Insights into Preparation and Admixture Practices OUTSIDE the Pharmacy
- Warning regarding strength listed on oxytocin vials
- Topical thrombin given systemically during bypass surgery
- Look for the ISMP Medication Safety Self Assessment for Perioperative Settings early in 2021

Medsafe (New Zealand Medicines and Medical Devices Safety Authority)

- Concern reported with the use of NovoRapid® Penfill® (insulin aspart 3 mL cartridge) by type 1 diabetes patients (Update) - [link](#)

MIMS updates – [November 2020](#)

- New: Cannabidiol (Epidyolex) - for adjunctive therapy of seizures associated with Lennox-Gastaut syndrome or Dravet syndrome in patients 2 years of age and older
- New Indications:
 - Atezolizumab (rch) (Tecentriq), combined with bevacizumab to treat patients with unresectable or metastatic hepatocellular carcinoma who have not received prior systemic therapy.
 - Bictegravir/emtricitabine/tenofovir alafenamide (Biktarvy) for the treatment of HIV-1 infection
 - Secukinumab (rch) (Cosentyx) for the treatment of adults with active non-radiographic axial spondyloarthritis with objective signs of inflammation (elevated CRP and/or MRI change), with an inadequate response/intolerant to NSAIDs.
- New Contraindications:
 - Noregestrol acetate/estradiol (Zoely) contraindicated in patients with or a history of meningioma.
 - Yellow fever vaccine (Stamaril) should not be administered to those receiving any other medicinal products, including biologicals, with known immunosuppressive or immunomodulating properties.

PAPERS OF INTEREST

American Journal of Health-System Pharmacy (AHJP)

- Antithrombotic selection in patients undergoing transcatheter aortic valve replacement - [link](#)
- Effects of Moringa oleifera in patients with type 2 diabetes - [link](#)
- Reintegrating droperidol into emergency medicine practice - [link](#)
- Case Report: Warfarin dose adjustment required after cannabidiol initiation and titration - [link](#)
- Impact of collaborative clinician visits on post discharge total cost of care in a polypharmacy population - [link](#)
- Assessment of efficacy of post infusion tubing flushing in reducing risk of cytotoxic contamination - [link](#)

Applied Ergonomics

- Interventions and measurements of highly reliable/resilient organization implementations: A literature review - [link](#)

Arthritis and Rheumatology

- Efficacy and Safety of Canakinumab in Patients with Systemic Juvenile Idiopathic Arthritis With and Without Fever at Baseline: Results from an Open-Label, Active-Treatment Extension Study - [link](#)

BMC Health Services Research

- Exploring psychological safety in healthcare teams to inform the development of interventions: combining observational, survey and interview data - [link](#)

BMJ Quality and Safety

- A realist synthesis of pharmacist-conducted medication reviews in primary care after leaving hospital: what works for whom and why? - [link](#)
- Changes in weekend and weekday care quality of emergency medical admissions to 20 hospitals in England during implementation of the 7-day services national health policy - [link](#)

British Journal of Clinical Pharmacology

- Clinical significance of personalized tacrolimus dosing by adjusting to donor CYP3A status in liver transplant recipients - [link](#)
- Impact of the Goal-directed Medication Review Electronic Decision Support System on Drug Burden Index: A cluster-randomised clinical trial in primary care - [link](#)
- Population pharmacokinetics of gabapentin in patients with neuropathic pain: Lack of effect of diabetes or glycaemic control - [link](#)
- Population pharmacokinetic and optimization of polymyxin B dosing in adult patients with various renal functions - [link](#)
- Risk of congenital malformations in offspring of women using β -blockers during early pregnancy: An updated meta-analysis of observational studies - [link](#)
- Human papilloma virus vaccination in males: A pharmacovigilance study on the Vaccine Adverse Event Reporting System - [link](#)

British Journal of General Practice

- Clinical Practice: Paget's disease of bone: when and why to refer to specialist care - [link](#)

British Medical Journal (BMJ)

- Use of hormone replacement therapy and risk of breast cancer: nested case-control studies using the QResearch and CPRD databases - [link](#)
- Influence and management of conflicts of interest in randomised clinical trials: qualitative interview study - [link](#)

BMJ Drug and Therapeutics Bulletin

- Editorial: Chronic pain (analgesia armageddon) - [link](#)
- Review: Orthostatic hypotension: a pragmatic guide to diagnosis and treatment - [link](#)

BMJ Heart

- Clinical and budget impacts of changes in oral anticoagulation prescribing for atrial fibrillation - [link](#)
- Antithrombotic therapy for patients with chronic coronary syndromes - [link](#)
- Impact of opioid use disorders on outcomes and readmission following cardiac operations - [link](#)
- Anticoagulation in atrial fibrillation - [link](#)

BMJ Open

- Preoperative iron treatment in anaemic patients undergoing elective total hip or knee arthroplasty: a systematic review and meta-analysis - [link](#)
- Metoprolol for prophylaxis of postoperative atrial fibrillation in cardiac surgery patients: systematic review and meta-analysis - [link](#)
- Evaluation of the incidence of bleeding in patients prescribed rivaroxaban for the treatment and prevention of deep vein thrombosis and pulmonary embolism in UK secondary care: an observational cohort study - [link](#)

Circulation

- Rivaroxaban and Aspirin in Peripheral Artery Disease Lower Extremity Revascularization: Impact of Concomitant Clopidogrel on Efficacy and Safety - [link](#)

Clinics in Geriatric Medicine

- Nonsteroidal Antiinflammatory Drugs, Anticoagulation, and Upper Gastrointestinal Bleeding - [link](#)
- Evaluation and Treatment of Constipation in the Geriatric Population - [link](#)

- Gastroesophageal Reflux Disease and Barrett Esophagus in the Elderly - [link](#)

Cochrane

- Interventions to reduce body temperature to 35°C-37°C in adults and children with traumatic brain injury - [link](#)
- Low protein diets for non-diabetic adults with chronic kidney disease - [link](#)
- Physical activity interventions for people with congenital heart disease - [link](#)
- Aldosterone antagonists in addition to renin angiotensin system antagonists for preventing the progression of chronic kidney disease - [link](#)
- Endometrial preparation for women undergoing embryo transfer with frozen embryos or embryos derived from donor oocytes - [link](#)

Diabetes Care

- Intensive Risk Factor Management and Cardiovascular Autonomic Neuropathy in Type 2 Diabetes: The ACCORD Trial - [link](#)

Diagnosis

- Feasibility of patient-reported diagnostic errors following emergency department discharge: a pilot study - [link](#)

European Heart Journal

- The ESC Clinical Practice Guidelines for the Management of Adult Congenital Heart Disease 2020 - [link](#)
- Nomenclature for kidney function and disease—executive summary and glossary from a Kidney Disease: Improving Global Outcomes (KDIGO) consensus conference - [link](#)

European Journal of Hospital Pharmacy

- Use of dornase alfa in the paediatric intensive care unit: current literature and a national cross-sectional survey - [link](#)
- Observational study of drug-related problems and clinical pharmacists' interventions in a French paediatric hospital - [link](#)
- Analysis of the third WHO Global Safety Challenge 'Medication without Harm' patient-facing materials: exploratory descriptive study - [link](#)
- Economic evaluation of subcutaneous versus intravenous immunoglobulin therapy in chronic inflammatory demyelinating polyneuropathy: a real-life study - [link](#)
- Evaluation of medication dose adjustments in patients with impaired renal function using different online drug information databases - [link](#)
- Long-term effectiveness and pharmacokinetics of the infliximab biosimilar CT-P13 after switching from the originator during the treatment of inflammatory bowel disease - [link](#)
- Drug-related problems in hospitalised Parkinson's disease patients in China - [link](#)
- Therapeutic efficacy of tacrolimus in vernal keratoconjunctivitis: a meta-analysis of randomised controlled trials - [link](#)

Health Services Research

- Changes in early high-risk opioid prescribing practices after policy interventions in Washington State - [link](#)

Heart Lung and Circulation

- Impact of Patient and Model of Care Factors on Titration and Tolerability of Sacubitril/Valsartan: An Early Australian Real-World Experience - [link](#)
- Effects of Preoperative Angiotensin-Converting Enzyme Inhibitor Therapy on Postoperative Renal Function in Cardiac Surgery - [link](#)

Internal Medicine Journal

- Musculoskeletal immune-related adverse events with use of checkpoint inhibitors in malignancy - [link](#)
- Assessment of Liver Fibrosis Markers in People with Rheumatoid Arthritis on Methotrexate - [link](#)

International Journal of Clinical Pharmacy

- A randomised trial of pharmacist-led discharge prescribing in an Australian geriatric evaluation and management service - [link](#)

- Development of medication regimen complexity index: Japanese version and application in elderly patients - [link](#)
- The impact of decreasing potentially inappropriate medications on activities of daily living in a convalescent rehabilitation setting - [link](#)
- Medication management during transitions from hospital to home: a focus group study with hospital and primary healthcare providers in the Netherlands - [link](#)
- Report: Assessment of the complexity of drug therapy and psychosocial and behavioral aspects in people living with type 2 diabetes mellitus - [link](#)
- Discharge prescription optimization by emergency medicine pharmacists in an academic emergency department in the United States - [link](#)
- Implementation and outcome of an electronic tool for detection of paracetamol overdose in a tertiary care hospital - [link](#)
- Impact of pharmacist-led educational interventions on asthma control and adherence: single-blind, randomised clinical trial - [link](#)

JAMA

- Diagnosis and Treatment of Lower Extremity Venous Thromboembolism: A Review - [link](#)

JAMA Cardiology

- Value of Coronary Artery Calcium Scanning in Association with the Net Benefit of Aspirin in Primary Prevention of Atherosclerotic Cardiovascular Disease - [link](#)

JAMA Internal Medicine

- Lifestyle Intervention with or without Lay Volunteers to Prevent Type 2 Diabetes in People with Impaired Fasting Glucose and/or Nondiabetic Hyperglycemia. A Randomized Clinical Trial- [link](#)
- Viewpoint: Tobacco Dependence Treatment Is Critical to Excellence in Health Care - [link](#)
- Efficacy of Smartphone Applications for Smoking Cessation. A Randomized Clinical Trial - [link](#)

JAMA Network Open

- The Efficacy and Safety of Vitamin C for Iron Supplementation in Adult Patients with Iron Deficiency Anemia: A Randomized Clinical Trial- [link](#)
- Comparison of Acetaminophen (Paracetamol) With Ibuprofen for Treatment of Fever or Pain in Children Younger Than 2 Years. A Systematic Review and Meta-analysis - [link](#)

JAMA Neurology

- Association of Reperfusion after Thrombolysis with Clinical Outcome Across the 4.5- to 9-Hours and Wake-Up Stroke Time Window: A Meta-Analysis of the EXTEND and EPITHET Randomized Clinical Trials - [link](#)

JAMA Oncology

- Report: Multisystem Immune-Related Adverse Events Associated with Immune Checkpoint Inhibitors for Treatment of Non–Small Cell Lung Cancer - [link](#)

JAMA Ophthalmology

- Effect of Vitamin D and ω -3 Fatty Acid Supplementation on Risk of Age-Related Macular Degeneration: An Ancillary Study of the VITAL Randomized Clinical Trial- [link](#)

JAMA Pediatrics

- Cost-effectiveness of Sexually Transmitted Infection Screening for Adolescents and Young Adults in the Pediatric Emergency Department - [link](#)
- Association of Prenatal Acetaminophen Exposure Measured in Meconium with Risk of Attention-Deficit/Hyperactivity Disorder Mediated by Frontoparietal Network Brain Connectivity - [link](#)

JAMIA (Journal of the American Medical Informatics Association)

- Real-time clinical note monitoring to detect conditions for rapid follow-up: A case study of clinical trial enrolment in drug-induced torsades de pointes and Stevens-Johnson syndrome - [link](#)
- Associations of physicians' prescribing experience, work hours, and workload with prescription errors - [link](#)

Joint Commission Journal on Quality and Patient Safety

- A Pilot Study to Evaluate the Impact of a Nurse-Driven Urine Culture Diagnostic Stewardship Intervention on Urine Cultures in the Acute Care Setting - [link](#)

Journal of American Geriatrics Society

- Safer Prescribing for Hospitalized Older Adults with an Electronic Health Records-Based Prescribing Context - [link](#)

Journal for Healthcare Quality

- Electronic Health Record-Related Burnout among Clinicians: Practical Recommendations for Canadian Healthcare Organizations - [link](#)
- Cost Impact of a Pharmacist-Driven Medication Reconciliation Program during Transitions to Long-Term Care and Retirement Homes - [link](#)

Journal of Palliative Medicine

- Management of Wound Myiasis in the Hospice and Palliative Medicine Setting - [link](#)

Journal of Patient Safety

- Medication Errors in Anesthesiology. Is It Time to Train by Example? Vignettes Can Assess Error Awareness, Assessment of Harm, Disclosure, and Reporting Practices - [link](#)

Journal of Patient Safety and Risk Management

- Informed consent, Montgomery and the duty to discuss alternative treatments in England and Australia - [link](#)

Journal of Pharmacy Practice and Research (JPPR)

- Investigating knowledge regarding antibiotics and antimicrobial resistance among pharmacy students in Australian universities - [link](#)
- Opioid related medication incidents in Western Australia public hospitals: types, causes and level of harm - [link](#)

Lancet

- Tranexamic acid in patients with intracerebral haemorrhage (STOP-AUST): a multicentre, randomised, placebo-controlled, phase 2 trial - [link](#)
- Leprosy post-exposure prophylaxis with single-dose rifampicin (LPEP): an international feasibility programme - [link](#)
- Efficacy and safety of setmelanotide, an MC4R agonist, in individuals with severe obesity due to LEPR or POMC deficiency: single-arm, open-label, multicentre, phase 3 trials - [link](#)
- Stroke systems of care in high-income countries: what is optimal? - [link](#)
- Long-term follow-up from the ORATORIO trial of ocrelizumab for primary progressive multiple sclerosis: a post-hoc analysis from the ongoing open-label extension of the randomised, placebo-controlled, phase 3 trial - [link](#)

Molecular Diversity Preservation International (MDPI) – Pharmacy Journal

- A Role for Primary Care Pharmacists in the Management of Inflammatory Bowel Disease? Lessons from Chronic Disease: A Systematic Review - [link](#)

National Academy of Medicine

- Organizational Evidence-Based and Promising Practices for Improving Clinician Well-Being - [link](#)

National Institute for Health Research (NIHR) Signals

- The glaucoma patients most at risk of sight loss were identified in a new study - [link](#)
- Women with womb cancer are to be offered a genetic test for Lynch syndrome - [link](#)
- Breast cancer surgery is safer for older women than has been assumed - [link](#)

New England Journal of Medicine

- Low-Dose Edoxaban in Very Elderly Patients with Atrial Fibrillation - [link](#)
- Review article: Migraine - [link](#)

Ophthalmology

- Risk Factors for Visual Field Deterioration in the United Kingdom Glaucoma Treatment Study - [link](#)

Pharmacotherapy

- Tacrolimus Inpatient Variability in Solid Organ Transplantation: A Multiorgan Perspective - [link](#)
- Immunosuppression Trends in Solid Organ Transplantation: The Future of Individualization, Monitoring, and Management - [link](#)

Prescrire – French Medical Journal

- Prescrire International, Issue Number 220 November 2020 - [link](#)
-- Editorial: Memory can save lives - [link](#)
-- Review: Doxylamine during pregnancy: minimise dose and duration, due to possible link with malformations - [link](#)
-- Clinical trials of drugs: the various types of placebo used - [link](#)

Public Library of Science (PLOS)

- Estimated health benefits, costs, and cost-effectiveness of eliminating industrial trans-fatty acids in Australia: A modelling study - [link](#)
- Quantifying Plasmodium falciparum infections clustering within households to inform household-based intervention strategies for malaria control programs: An observational study and meta-analysis from 41 malaria-endemic countries - [link](#)
- Defining remission of type 2 diabetes in research studies: A systematic scoping review - [link](#)

The Joint Commission Journal on Quality and Patient Safety

- A Program to Provide Clinicians with Feedback on Their Diagnostic Performance in a Learning Health System - [link](#)

Therapeutics and Clinical Risk Management

- Review: Inclisiran for the Treatment of Cardiovascular Disease: A Short Review on the Emerging Data and Therapeutic Potential - [link](#)

Thrombosis Research

- Risk of post-thrombotic syndrome after deep vein thrombosis treated with rivaroxaban versus vitamin-K antagonists: A systematic review and meta-analysis - [link](#)

Thrombosis and Haemostasis

- The Use of Recombinant Activated Factor VII in Patients with Glanzmann's Thrombasthenia - [link](#)
- Evaluation of Sepsis-Induced Coagulopathy in Critically Ill Pediatric Patients with Septic Shock - [link](#)

TAG Mail – 22 October 2020

COVID-19 RESOURCES & ARTICLES OF INTEREST

Please click this [link](#) for the cumulative listing of COVID-19 resources in past TAG Mails.

AUSTRALIAN

Australian Government Department of Health

- COVID-19 guidelines for infection prevention and control in residential care facilities - [link](#)
- Factsheets:
-- Healthcare of older Australians impacted by COVID-19 - [link](#)
-- COVID-19 – identifying the symptoms - [link](#)

CEC

- Management of COVID-19 in Healthcare Settings (updated) - [link](#)

National Aboriginal Community Controlled Health Organisation (NACCHO)

- Aboriginal and Torres Strait Islander Advisory Group on COVID-19, 15 October 2020 - [link](#)

National COVID-19 Clinical Evidence Taskforce

New or updated recommendations as at [22/10/20](#).)

Updates to existing guidance: corticosteroids for children or adolescents, hydroxychloroquine, lopinavir-ritonavir, colchicine and ECMO for adults.
New Clinical Workflows: Preparedness for CPR during the COVID-19 pandemic; CPR for adults with COVID-19 in healthcare settings; Basic life support for adults in the community during the pandemic

INTERNATIONAL

WHO

- Considerations in the investigation of cases and clusters of COVID-19: [interim guidance](#), 22/10/20
- COVID-19 vaccine introduction readiness assessment tool - [link](#)
- Preparing countries for COVID-19 vaccine introduction - [link](#)
- COVID-19 science conversation: 'Science in 5' webinar series: Episode 8 [Myth vs Science](#) ; Episode 9 [Air pollution & COVID-19](#)

UK

GOV.UK

- Warfarin and other anticoagulants: monitoring of patients during the COVID-19 pandemic - [link](#)

Healthwatch UK

- Hospital discharge must be improved to manage COVID-19 second peak - [link](#)

NHS England SPS

- Care Homes and COVID-19: Medicines administration issues - [link](#); Oxygen management - [link](#)
- Summary of COVID-19 medicines guidance: [Palliative and End of Life Care](#); [Later life](#); [Learning disabilities](#); [Skin disorders](#); [Diabetes](#); [Anaesthesia and pain](#); [Cancers](#)
- National Homecare Medicines Committee Lessons learnt for homecare during the pandemic - [link](#)
- Preparation of Ready to Administer Medicines, COVID-19 Wave 2 Update - [link](#)

Royal Pharmaceutical Society

- Webinar: RPS and UKCPA update: Antibiotic and antifungal use during COVID-19. Thursday 5 November 2020 at 7pm - 8pm (UTC) - [link](#)

USA

American College of Medical Toxicology, COVID-19 Webinars:

[Children](#) & Schools; [Misinformation](#) & Covid; [Flu](#) during Covid; [Disinfectants](#) in Healthcare Facilities

JOURNAL ARTICLES

Annals of Internal Medicine

- Clinical Endpoints for Evaluating Efficacy in COVID-19 Vaccine Trials - [link](#)

Arthritis and Rheumatology

- COVID-19 in Patients with Inflammatory Arthritis: A Prospective Study on the Effects of Comorbidities and Disease-Modifying Antirheumatic Drugs on Clinical Outcomes – [link](#)

BMJ

- Editorial: Will covid-19 vaccines save lives? Current trials aren't designed to tell us - [link](#)
- Convalescent plasma in the management of moderate covid-19 in adults in India: open label phase II multicentre randomised controlled trial (PLACID Trial) - [link](#)
- Clinical Update: Virology, transmission, and pathogenesis of SARS-CoV-2 - [link](#)
- Learning from a pandemic: how the post-covid NHS can reach its full potential – [link](#)
- Covid-19: Why are age and obesity risk factors for serious disease? - [link](#)

BMJ Journal of Medical Ethics

- Mistrust and inconsistency during COVID-19: considerations for resource allocation guidelines that prioritise healthcare workers - [link](#)

BMJ Thorax

- Brief Communication: Use of exhaled breath condensate (EBC) in the diagnosis of SARS-COV-2 - [link](#)

BMJ Postgraduate Medical Journal

- Impact of exposure to patients with COVID-19 on residents and fellows: an international survey of 1420 trainees - [link](#)

British Journal of Clinical Pharmacology

- Hospitalization for COVID-19 in patients treated with selected immunosuppressant and immunomodulating agents, compared to the general population – a Danish cohort study - [link](#)

Clinical Science and Epidemiology

- Effectiveness of Face Masks in Preventing Airborne Transmission of SARS-CoV-2 - [link](#)

Cochrane

- Coronavirus (COVID-19): evidence relevant to clinical rehabilitation - [link](#)

Expert Review of Cardiovascular Therapy

- Angiotensin converting enzyme inhibitors and angiotensin II receptor blockers and outcomes in patients with COVID-19: a systematic review and meta-analysis - [link](#)

Disaster Medicine and Public Health Preparedness

- The impact of COVID-19 pandemic on post-operative follow-up after total hip and knee joints replacement - [link](#)

Infection Control & Hospital Epidemiology

- Environmental contamination in a COVID-19 intensive care unit (ICU) – what is the risk? - [link](#)
- COVID-19 in Long Term Care Facilities: A Review of Epidemiology, Clinical Presentations, and Containment Interventions - [link](#)

JAMA

- Viewpoint: Preventing the Spread of SARS-CoV-2 With Masks and Other “Low-tech” Interventions - [link](#)
- Viewpoint: Scientific and Ethical Principles Underlying Recommendations from the Advisory Committee on Immunization Practices for COVID-19 Vaccination Implementation - [link](#)

Kidney International

- Letter: Significant impact of COVID-19 on organ donation and transplantation in a low-prevalence country: Australia - [link](#)

Journal of Medical Virology

- Are the steroids a blanket solution for COVID-19? A systematic review and meta-analysis - [link](#)

Lancet

- Ventilation management and clinical outcomes in invasively ventilated patients with COVID-19 (PRoVENT-COVID): a national, multicentre, observational cohort study - [link](#)
- Frailty and mortality in patients with COVID-19 – Authors' [reply](#)
- The UK Government's Vaccine Taskforce: strategy for protecting the UK and the world - [link](#)
- What defines an efficacious COVID-19 vaccine? A review of the challenges assessing the clinical efficacy of vaccines against SARS-CoV-2 - [link](#)

Medicine Quality

- Medical Product Quality Report - COVID-19 Issues. [Issue 4](#): September 2020

Nature biotechnology

- Editorial: Preparing for the vaccine - [link](#)

NEJM

- Case vignette: Anticoagulation in Hospitalized Patients with Covid-19 - [link](#)
- Perspective: Evaluating and Deploying Covid-19 Vaccines — The Importance of Transparency, Scientific Integrity, and Public Trust - [link](#)
- Perspective: Developing Safe and Effective Covid Vaccines — Operation Warp Speed's Strategy and Approach - [link](#)

Pharmaceutical Journal

-10 things pharmacists should know about COVID-19 vaccines - [link](#)
-Everything you need to know about the COVID-19 therapy trials - [link](#)

Pharmacy Practice and Research

- Editorial: Building on innovation and lessons learnt during the COVID-19 pandemic - [link](#)

Science

- Understanding COVID-19 vaccine efficacy - [link](#)

OTHER NEWS

Australian Commission on Safety and Quality in Health Care (ACSQHC)

- Healthcare workforce survey: Use of palliative care predictive or prognostic tools. To help improve the identification of people who may need end-of-life services, the Commission developed the Palliative Care Predictive or Prognostic Tools (PCAT) Survey in consultation with healthcare workers across Australia. 2-5 minute survey closes 31 October 2020 - [link](#)

Australian Prescriber

- Antipsychotic switching tool (updated 3 August 2020) - [link](#)
- New specialised cancer drugs:
 - [Dinutuximab beta](#) for neuroblastoma
 - [Entrectinib](#) for non-small cell lung cancer and solid tumours
 - [Lorlatinib](#) for non-small cell lung cancer
 - [Polatuzumab vedotin](#) for B-cell lymphoma

CEC

- Upcoming changes to incident management - [link](#)

Fragility Fracture Network

- Orthogeriatrics: The Management of Older Patients with Fragility Fractures ([open access textbook](#))

NPS MedicineWise

- Asthma in adults and adolescents: what's new for mild asthma management? - [link](#)
- Dementia and psychotropic medicines - [link](#)
- Radar: Additional changes for PBS-listed opioids - [link](#)
- RADAR: October 2020 listing wrap-up - [link](#)

NSW Health

- The NSW Multicultural Health Communication Service (MHCS), in partnership with NSW Refugee Health Service, encourages all healthcare providers to use the [Appointment Reminder Translation Tool](#) for their patients from Culturally and Linguistically Diverse (CALD) communities. This tool translates appointment details into a client's language.

REPORTS AND PUBLICATIONS – AUSTRALIA

Australian Commission on Safety and Quality in Health Care (ACSQHC)

- Clostridium difficile infection 2018 Data Snapshot - [link](#)

Australian Institute for Health and Welfare (AIHW)

- National Core Maternity Indicators - [link](#). 2018 summary report - [link](#)

TGA

- Update on nicotine scheduling and proposed restriction on importation of nicotine for use in e-cigarettes - [link](#). Information webinar [here](#)
- Shortage alert of Brevinor and Norimin (ethinylestradiol/norethisterone) Update: Alternative products to address shortages - [link](#)
- Australian prescription medicine decision summaries:
 - [Truvelog](#) (insulin aspart) – biosimilar medicine to Novorapid®

REPORTS AND PUBLICATIONS – INTERNATIONAL

Canadian Agency for Drugs and Technologies in Health

- Intravenous Multivitamin Therapy Use in Hospital or Outpatient Settings: A Review of Clinical Effectiveness and Guidelines - [link](#)
- Support Programs for Tuberculosis Treatment: Clinical Utility and Guidelines - [link](#)

Food and Drug Administration (FDA) USA

- New Drug approvals
- Veklury (Remdesivir) – FDA Approves First Treatment for COVID-19 - [link](#)

Institute for Healthcare Improvement

- 100 Million Healthier Lives: Using Improvement Science to Accelerate Community Transformation - [link](#)

Medicine Quality

- Medical Product Quality Reports about substandard and falsified (SF) medical reports, which include data from scientific literature, public alerts and warnings, and lay press from across the world - [link](#)

NHS England

- Resources to encourage people with a learning disability to be vaccinated against flu this winter - [link](#)

National Institute for Health and Clinical Excellence (NICE) UK

- Volanesorsen for treating familial chylomicronaemia syndrome (HST13) - [link](#)
- Evidence summary: Antimicrobial prescribing: imipenem with cilastatin and relebactam - [link](#)

Specialist Pharmacy Services

- What is the optimal prokinetic dose of erythromycin in adults? - [link](#)
- Which emergency contraceptives can be used while breastfeeding? - [link](#)

MEDICATION SAFETY

CEC

- Medication Safety Communication - Cisatracurium injection disruption to supply - [link](#)

electronic Medicines Compendium (eMC) (UK)

- Revised SPCs
- VFEND ([voriconazole](#)) - updated warning: may significantly increase naloxegol concentrations, co-administration not recommended. Also reversible cases of adrenal insufficiency reported.
- Enstilar ([calcipotriol/betamethasone](#)) Cutaneous Foam – patients who responded to 4 weeks' of once daily treatment are suitable for long-term maintenance treatment
- CipraleX ([escitalopram](#)) tablets – states co-administration with hydroxyzine is contra-indicated due to a potential additive risk of QT interval prolongation.
- Wakix ([pitolisant](#)) tablets - warns that suicidal ideation reported in patients with psychiatric history
- Erivedge ([vismodegib](#)) capsules - advises capsules contain lactose monohydrate; patients with a rare hereditary problems of galactose intolerance, the Lapp total lactase deficiency or glucose-galactose malabsorption should not take this product.
- Praxbind ([idarucizumab](#)) - updated with information on a patient 16-<18 years old treated with idarucizumab during an open-label safety trial.
- Kepra ([levetiracetam](#)) - rare cases of ECG QT interval prolongation observed. Should be used with caution in those 1) with QTc-interval prolongation; 2) on concomitant drugs affecting QTc-interval; or, 3) with relevant pre-existing cardiac disease or electrolyte disturbances.
- Imraldi ([adalimumab](#)) - Kaposi's sarcoma added as adverse event.
- ECALTA ([anidulafungin](#)) - Fructose added as excipient and updated with detailed instructions for the dilution and infusion of anidulafungin for paediatric dosing.
- Jardiance ([empagliflozin](#)) - should not be used for treatment of patients with type 1 diabetes; clinical trial data showed when used as an adjunct to insulin it was associated with increased diabetic ketoacidosis occurrence(common).
- Foscavir ([foscarnet](#)) Infusion – should not be stored above 25°C (previously 30°C) and the shelf-life changed from 3 years to 2 years.

- Abilify ([aripiprazole](#)) –Eosinophilia and Systemic Symptoms (DRESS) added as adverse drug reaction (frequency unknown).
- Symtuza ([cobicistat/darunavir/emtricitabine/tenofovir](#)) and Rezolsta ([cobicistat/darunavir](#)) tablets - co-administration with clopidogrel not recommended due to expected decrease in the plasma concentration of the active metabolite of clopidogrel, which may reduce its antiplatelet activity.
- Alprolix ([eftrenonacog alfa](#))- Factor IX inhibition, hypersensitivity and Injection site erythema added as common adverse events.
- Testim ([testosterone](#)) Transdermal Gel - caution in patients with thrombophilia, or risk factors for VTE. In thrombophilic pts, VTE cases reported even under anticoagulation treatment, therefore evaluate continuation of testosterone treatment after first VTE event.
- Constella ([linaclotide](#))- breastfeeding is not expected to result in exposure of the infant to linaclotide and thus it can be used during breast-feeding
- Zydelig ([idelalisib](#)) - now includes drug reaction with eosinophilia and systemic symptoms (DRESS), as adverse effect (unknown frequency).

European Journal of Hospital Pharmacy

- Case report: Drug rash with eosinophilia and systemic symptoms (DRESS) syndrome in a paediatric patient taking zonisamide - [link](#)

Food and Drug Administration (FDA) USA

- FDA recommends avoiding use of NSAIDs in pregnancy at 20 weeks or later because they can result in low amniotic fluid - [link](#)

Health Canada – MedEffect Notice

- Benzocaine-Containing Products and the Risk of Methemoglobinemia in Children under Two Years of Age - [link](#)
- PICATO (ingenol mebutate gel, 0.015% and 0.05%) - Product withdrawal in Canada due to potential increased risk of skin cancer - [link](#)

Medicines and Healthcare products Regulatory Agency (MHRA) UK

- 5-fluorouracil (intravenous), capecitabine, tegafur: DPD testing recommended before initiation to identify patients at increased risk of severe and fatal toxicity - [link](#)
- Flucytosine (Ancotil): new contraindication in patients with DPD deficiency - [link](#)
- Niraparib (Zejula): reports of severe hypertension and posterior reversible encephalopathy syndrome (PRES), particularly in early treatment - [link](#)
- Dolutegravir (Tivicay, Triumeq, Juluca): updated advice on increased risk of neural tube defects - [link](#)

Medsafe (New Zealand Medicines and Medical Devices Safety Authority)

- Safety Information: Concern reported with the use of NovoRapid® Penfill® (insulin aspart) by type 1 diabetes patients- [link](#)
- Codeine-containing medicines to be reclassified - [link](#)

TGA

- Safety Advisory: Listed medicines containing Artemisia species. Potential risk during pregnancy- [link](#)
- Safety advisory: Do not take the following that contain undeclared substances dapoxetine, sildenafil or tadalafil: BEAST Natural Formula 41,000 MG [capsules](#); H.R.D. [Tablets](#); KANGAROO 2019 Mega 3000 [tablets](#); SCORPION Natural Formula 41,000 MG [capsules](#)

PAPERS OF INTEREST

American Journal of Health-System Pharmacy (AHJP)

- Impact of a multidisciplinary workflow on safety and management of patients with heparin-induced thrombocytopenia - [link](#)
- Screening for expired medications in automated dispensing cabinets - [link](#)
- Economic and workload impact of therapeutic interchange of inhaler medications and nebulizer solutions - [link](#)
- Development of an innovative delivery system for bacillus Calmette-Guérin bladder administration - [link](#)

British Journal of Clinical Pharmacology

- Long-term risk of hip or forearm fractures in older occasional users of benzodiazepines - [link](#)
- Impact of Plasmodium vivax malaria and antimalarial treatment on cytochrome P450 activity in Brazilian patients - [link](#)
- A meta-analysis of the influence of ADRB2 genetic polymorphisms on albuterol (salbutamol) therapy in patients with asthma - [link](#)
- Baclofen destabilises breathing during sleep in healthy humans: A randomised, controlled, double-blind crossover trial - [link](#)
- Effects of Hypericum perforatum (St John's wort) on the pharmacokinetics and pharmacodynamics of rivaroxaban in humans - [link](#)
- Using genetics to understand the role of antihypertensive drugs modulating angiotensin-converting enzyme in immune function and inflammation - [link](#)

British Medical Journal (BMJ)

- Heart: Fibrosis, atrial fibrillation and stroke: clinical updates and emerging mechanistic models - [link](#)
- Practice: Recognising and explaining functional neurological disorder - [link](#)
- Clinical Review: New advances in the diagnosis and management of hepatocellular carcinoma - [link](#)
- Viewpoint: New advances in the diagnosis and management of hepatocellular carcinoma - [link](#)
- Strengthening the global response to climate change and infectious disease threats - [link](#)
- DTB [commentary](#): Effect of dapagliflozin on cardiovascular events in patients with type 2 diabetes

BMJ Thorax

- Low vitamin D and risk of bacterial pneumonias: Mendelian randomisation studies in two population-based cohorts - [link](#)

Circulation

- Effect of Empagliflozin on the Clinical Stability of Patients with Heart Failure and a Reduced Ejection Fraction: The EMPEROR-Reduced Trial - [link](#)

Cochrane

- Risk of postoperative infectious complications from medical therapies in inflammatory bowel disease - [link](#)
- Renin inhibitors versus angiotensin converting enzyme (ACE) inhibitors for primary hypertension - [link](#)
- Strategies for improving adherence to antiepileptic drug treatment in people with epilepsy - [link](#)
- PCSK9 monoclonal antibodies for the primary and secondary prevention of cardiovascular disease - [link](#)
- Systemic interventions for severe atopic and vernal keratoconjunctivitis in children and young people up to the age of 16 years - [link](#)
- Platinum-containing regimens for triple-negative metastatic breast cancer - [link](#)
- Virtual reality distraction for acute pain in children - [link](#)

European Heart Journal

- Steroidal and non-steroidal mineralocorticoid receptor antagonists in cardiorenal medicine - [link](#)

European Journal of Hospital Pharmacy

- A systematic review examining the characteristics of users of NHS patient medicines helpline services, and the types of enquiries they make - [link](#)

International Journal of Clinical Pharmacy

- Awareness about barriers to medication adherence in cardiovascular patients and strategies used in clinical practice by Portuguese clinicians: a nationwide study - [link](#)
- Research Report: Real-life data of survival and reasons for discontinuation of biological disease-modifying drugs 'in' rheumatoid arthritis - [link](#)

JAMA

- Effect of Regional Citrate Anticoagulation vs Systemic Heparin Anticoagulation during Continuous Kidney Replacement Therapy on Dialysis Filter Life Span and Mortality among Critically Ill Patients With Acute Kidney Injury. A Randomized Clinical Trial - [link](#)
- Medical Care of Adults with Down syndrome. A Clinical Guideline - [link](#)

- Association of Ticagrelor vs Clopidogrel with Net Adverse Clinical Events in Patients with Acute Coronary Syndrome Undergoing Percutaneous Coronary Intervention - [link](#)
- Antiretroviral Drugs for Treatment and Prevention of HIV Infection in Adults. 2020 Recommendations of the International Antiviral Society–USA Panel - [link](#)

JAMA Internal Medicine

- Risk of Overcorrection in Rapid Intermittent Bolus vs Slow Continuous Infusion Therapies of Hypertonic Saline for Patients with Symptomatic Hyponatremia. The SALSA Randomized Clinical Trial - [link](#)
- Association of Therapies with Reduced Pain and Improved Quality of Life in Patients with Fibromyalgia. A Systematic Review and Meta-analysis - [link](#)

JAMA Network Open

- Association between Preoperative Benzodiazepine Use and Postoperative Opioid Use and Health Care Costs - [link](#)
- Incidence of Hyponatremia in Patients with Indwelling Peritoneal Catheters for Drainage of Malignant Ascites - [link](#)

JAMA Pediatrics

- Risk of Electrolyte Disorders in Acutely Ill Children Receiving Commercially Available Plasmalike Isotonic Fluids. A Randomized Clinical Trial - [link](#)

JAMIA (Journal of the American Medical Informatics Association)

- OrderRex clinical user testing: a randomized trial of recommender system decision support on simulated cases - [link](#)

Journal of Allergy and Clinical Immunology

- Oral once-daily berotralstat for the prevention of hereditary angioedema attacks: a randomized, double-blind, placebo-controlled phase 3 trial - [link](#)

Journal of the Australian Healthcare & Hospitals Association

- Value of clinical engagement in the NSW Health response to COVID-19 - [link](#)
- General practitioner follow-up after hospitalisation in Central and Eastern Sydney, Australia: access and impact on health services - [link](#)

Journal of Emergency nursing

- The Effect of Implementing Bar-Code Medication Administration in an Emergency Department on Medication Administration Errors and Nursing Satisfaction - [link](#)

Journal of Intensive Care Medicine

- Clinical Predictors for Unsafe Direct Discharge Home Patients from Intensive Care Units - [link](#)

Journal of Pharmacy Practice and Research (JPPR)

- Expanded practice in rural community pharmacy in Australia: pharmacists' perspectives - [link](#)
- Editorial: Reducing medication-related harm through Quality Use of Medicines - [link](#)
- Review: Optimising health outcomes via pharmacist delivered telehealth medicines management: a systematic review - [link](#)

Lancet

- Review: The global incidence and diagnosis of fungal keratitis - [link](#)
- Safety and immunogenicity of inactivated poliovirus vaccine schedules for the post-eradication era: a randomised open-label, multicentre, phase 3, non-inferiority trial - [link](#)
- Safety and efficacy of MD1003 (high-dose biotin) in patients with progressive multiple sclerosis (SPI2): a randomised, double-blind, placebo-controlled, phase 3 trial - [link](#)
- A large-scale genome-wide association study meta-analysis of cannabis use disorder - [link](#)

Molecular Diversity Preservation International (MDPI) – Pharmacy Journal

- PRN Medicines Optimization and Nurse Education - [link](#)
- Review: Protecting the Herd: Why Pharmacists Matter in Mass Vaccination - [link](#)

Medical Journal of Australia

- Educating junior doctors and pharmacists to reduce discharge prescribing of opioids for surgical patients: a cluster randomised controlled trial - [link](#)

National Institute for Health Research (NIHR) Signals

- Sharing electronic records with patients led to improved control of type two diabetes - [link](#)
- Testing for hepatitis in A&E departments is likely to be cost-effective in many areas of the UK - [link](#)
- People with mild memory problems are left in limbo between health and dementia, and need help to make lifestyle changes - [link](#)
- Avatrombopag and lusutrombopag for thrombocytopenia in people with chronic liver disease needing an elective procedure: a systematic review and cost-effectiveness analysis - [link](#)

New England Journal of Medicine

- Effect of Finerenone on Chronic Kidney Disease Outcomes in Type 2 Diabetes - [link](#)
- Antenatal Dexamethasone for Early Preterm Birth in Low-Resource Countries - [link](#)
- Review: Sensory Ganglionopathy - [link](#)

Pediatrics

- Corticosteroids for Eosinophilic Esophagitis in Children: A Meta-analysis - [link](#)
- Report: Neonatal Opioid Withdrawal Syndrome - [link](#)

Paediatric Quality and Safety

- Improving Accuracy of Handoff by Implementing an Electronic Health Record-generated Tool: An Improvement Project in an Academic Neonatal Intensive Care Unit - [link](#)
- Plan-Do-Study-Act Methodology: Refining an Inpatient Pediatric Sepsis Screening Process - [link](#)
- A Quality Improvement Approach to Reduce Unplanned Extubation in the NICU While Avoiding Sedation and Restraints - [link](#)

Pharmacotherapy

- The Impact of Pre-transplant Opioid Exposure on Healthcare Utilization and Costs in Kidney Transplant - [link](#)
- Optimization of Vancomycin Dosing Regimen in Cancer Patients using Pharmacokinetic/Pharmacodynamic Modeling - [link](#)

Prescriber UK

- Systemic anticancer therapies and the role of primary care - [link](#)
- Deprescribing antihypertensives in patients with multimorbidity – [link](#)
- The importance of measuring biomarkers in asthma - [link](#)

Public Library of Science (PLOS)

- Time trends and prescribing patterns of opioid drugs in UK primary care patients with non-cancer pain: A retrospective cohort study - [link](#)

The Joint Commission Journal on Quality and Patient Safety

- What Safety Events Are Reported For Ambulatory Care? Analysis of Incident Reports from a Patient Safety Organization - [link](#)

Therapeutics and Clinical Risk Management

- The Double Burden of the COVID-19 Pandemic and Polypharmacy on Geriatric Population – Public Health Implications - [link](#)

Thrombosis and Haemostasis

- Long-Term Antithrombotic Treatments Prescribed for Cardiovascular Diseases in Patients with Hemophilia: Results from the French Registry - [link](#)

TAG Mail – 22 October 2020

COVID-19 RESOURCES & ARTICLES OF INTEREST

Please click this [link](#) for the cumulative listing of COVID-19 resources in past TAG Mails.

AUSTRALIAN

Australian Government Department of Health

- Living well in the COVID-19 pandemic. A tool to help people to make COVIDSafe decisions about work, transport, and social activities in the COVID-19 pandemic (updated) - [link](#)

National COVID-19 Clinical Evidence Taskforce

- New or updated recommendations as at [15/10/20](#). New recommendations on Interferon kappa plus trefoil factor 2, Ivermectin, N-acetylcysteine, and Intravenous immunoglobulin (PIMS-TS).

Updates to existing guidance: corticosteroids and convalescent plasma.

New sections: Disease-modifying treatments under review and Hydroxychloroquine for pre-exposure prophylaxis.

- Guidance on CPR during the pandemic - [link](#)

NSW Health Critical Intelligence Unit – Evidence checks

- Models of emergency department mental health care - [link](#)

NPS MedicineWise

- Testing for COVID-19 - [link](#)

- Vaccines and COVID-19 (update) - [link](#)

Royal Australian College of General Practitioners

- Supporting patients after acute COVID-19 illness - [link](#)

INTERNATIONAL

Organisation for Economic Co-operation and Development (OECD)

- What is the impact of the COVID-19 pandemic on immigrants and their children? - [link](#)

WHO

- Solidarity Therapeutics Trial produces conclusive evidence on the effectiveness of repurposed drugs for COVID-19 in record time -[link](#); medRxiv article [link](#)

- Operational considerations for influenza surveillance in the WHO European Region during COVID-19: interim guidance. October 2020 - [link](#)

- [How to cope with stress during the pandemic](#): WHO's Health Alert on WhatsApp has launched a new feature to help you cope with stress during COVID-19 pandemic.

UK

National Institute for Health Research

- Review: Living with Covid19 - [link](#)

USA

The Joint Commission

- Webinar: COVID-19 Q&A for Hospitals with The Joint Commission -video [link](#); slides [link](#)

JOURNAL ARTICLES

Annals of Internal Medicine

- Ethical Framework for Assessing Manual and Digital Contact Tracing for COVID-19 - [link](#)

- COVID-19 Vaccine: What Physicians Need to Know - [link](#)

ANZ Journal of Surgery

- Impact of COVID-19-related social restrictions on orthopaedic trauma in a level 1 trauma centre in Sydney: the first wave - [link](#)

BMJ

- Producing and using timely comparative evidence on drugs: lessons from clinical trials for covid-19 - [link](#)

BMJ Supportive & Palliative Care

- Education: How to communicate with families living in complete isolation - [link](#)

British Journal of Ophthalmology

- Overcoming barriers of retinal care delivery during a pandemic—attitudes and drivers for the implementation of digital health: a global expert survey - [link](#)

European Journal of Clinical Pharmacology

- The added value of pirfenidone to fight inflammation and fibrotic state induced by SARS-CoV-2 - [link](#)

Genetics in Medicine

- Individuals with Down syndrome hospitalized with COVID-19 have more severe disease - [link](#)

JAMA

- Insights: Herd Immunity and Implications for SARS-CoV-2 Control - [link](#)
- Viewpoints:
 - Sensible Medicine—Balancing Intervention and Inaction during the COVID-19 Pandemic - [link](#)
 - Answering Key Questions About COVID-19 Vaccines - [link](#)
 - Post-licensure Evaluation of COVID-19 Vaccines - [link](#)

JAMA Internal Medicine

- Effect of Tocilizumab vs Usual Care in Adults Hospitalized with COVID-19 and Moderate or Severe Pneumonia: A Randomized Clinical [Trial](#)
- Effect of Tocilizumab vs Standard Care on Clinical Worsening in Patients Hospitalized with COVID-19 Pneumonia: A Randomized Clinical [Trial](#)
- Association between Early Treatment with Tocilizumab and Mortality among Critically Ill Patients with COVID-19 - [link](#)

Journal of the American College of Clinical Pharmacy

- Global contributions of pharmacists during the COVID-19 pandemic - [link](#)

Lancet

- Review- Cytokine elevation in severe and critical COVID-19: a rapid systematic review, meta-analysis, and comparison with other inflammatory syndromes - [link](#)
- COVID-19 in New Zealand and the impact of the national response: a descriptive epidemiological study - [link](#)

Medical Journal of Australia

- Perspectives: Implications of COVID-19 for an ageing population - [link](#)

Nature Reviews Microbiology

- Perspective: Learning from the past: development of safe and effective COVID-19 vaccines - [link](#)

New England Journal of Medicine

- Remdesivir for the Treatment of Covid-19 - Final Report - [link](#)
- Efficacy of Tocilizumab in Patients Hospitalized with Covid-19 - [link](#)
- Safety and Immunogenicity of Two RNA-Based Covid-19 Vaccine Candidates - [link](#)
- Perspective: Emergency Use Authorization of Covid Vaccines — Safety and Efficacy Follow-up Considerations - [link](#)
- Genome-wide Association Study of Severe Covid-19 with Respiratory Failure - [link](#)
- Audio Interview: Vaccinology and Covid-19 - [link](#)
- Clinical decisions case vignette: Anticoagulation in Hospitalized Patients with Covid-19 - [link](#)

Obstetrics and Gynaecology

- High Concentrations of Nitric Oxide Inhalation Therapy in Pregnant Patients with Severe Coronavirus Disease 2019 (COVID-19) - [link](#)

Prescrire – French Medical Journal

- Spotlight article: Covid-19 patients who are not hospitalised: anticoagulation is rarely justified - [link](#)

Public Library of Science (PLOS)

- Rapid Epidemiological Analysis of Comorbidities and Treatments as risk factors for COVID-19 in Scotland (REACT-SCOT): A population-based case-control study - [link](#)

Scientific Reports

- Evidence of protective role of Ultraviolet-B (UVB) radiation in reducing COVID-19 deaths - [link](#)
- Clinical characteristics of “re-positive” discharged COVID-19 pneumonia patients in Wuhan, China - [link](#)

OTHER NEWS

Australian Commission on Safety and Quality in Health Care (ACSQHC)

- Healthcare workforce survey: Use of palliative care predictive or prognostic tools. To help improve the identification of people who may need end-of-life services, the Commission developed the Palliative Care Predictive or Prognostic Tools (PCAT) Survey in consultation with healthcare workers across Australia. 2-5 minute survey closes 31 October 2020 - [link](#)

Australian Prescriber

- Prescribing medicinal cannabis [Correction - updated] - [link](#)
- Antipsychotic switching tool (updated 3 August 2020) - [link](#)
- **New specialised cancer drugs:**
-- [Dinutuximab beta](#) for neuroblastoma
-- [Entrectinib](#) for non-small cell lung cancer and solid tumours
-- [Lorlatinib](#) for non-small cell lung cancer
-- [Polatuzumab vedotin](#) for B-cell lymphoma

CEC

- Upcoming changes to incident management - [link](#)

Fragility Fracture Network

- Orthogeriatrics: The Management of Older Patients with Fragility Fractures ([open access textbook](#))

NPS MedicineWise

- Asthma in adults and adolescents: what's new for mild asthma management? - [link](#)
- Dementia and psychotropic medicines - [link](#)
- The value of spirometry in clinical practice (updated) - [link](#)
- Radar: Additional changes for PBS-listed opioids - [link](#)
- **RADAR: October 2020 listing wrap-up** - [link](#)

NSW Health

- The NSW Multicultural Health Communication Service (MHCS), in partnership with NSW Refugee Health Service, encourages all healthcare providers to use the [Appointment Reminder Translation Tool](#) for their patients from Culturally and Linguistically Diverse (CALD) communities. This tool translates appointment details into a client's language.

REPORTS AND PUBLICATIONS – AUSTRALIA

AHHA

- Deeble Institute perspective briefs:
-- rpavirtual: A new way of caring - [link](#)
-- The Value Based Health Care landscape - [link](#)
-Deeble Evidence Brief No. 21: Developmental Language Disorder and the NDIS - [link](#)

Australian Government Department of Health

- Advanced Nursing Practice - Guidelines for the Australian Context - [link](#)

Australian Institute for Health and Welfare (AIHW)

- Insufficient physical activity - [link](#)
- The Aboriginal and Torres Strait Islander Child Placement Principle Indicators 2018-19: measuring progress - [link](#)

- Young people under youth justice supervision and in child protection 2018–19 - [link](#)
- GEN Aged Care Data: Residential aged care quality indicators - [link](#)

NSW Health Intranet

- Safety Notice 009/20: Acetylfentanyl and fentanyl in non-opioid illicit drugs - [link](#)

NPS

- Practice Review Quality use of b/tsDMARDs and other medicines - [link](#)

TGA

- Tranylcyproamine (Parnate®) alternative product approved to address expected shortage - [link](#)
- Phenelzine (Nardil®) alternative product approved to address discontinuation - [link](#)
- AusPARs:
 - [Gemtuzumab ozogamicin](#) (Mylotarg®) - combination therapy with anthracycline and cytarabine for the treatment of previously untreated, de novo CD33-positive acute myeloid leukaemia.
 - [Venetoclax](#) (Venclexta®) Extension of indications for Venclexta® in combination with obinutuzumab for chronic lymphocytic leukaemia or small lymphocytic lymphoma who are considered unfit/unsuitable for chemo-immunotherapy.
 - [Vonicog alfa](#) (Veyvondi®) indicated in adults (age 18 and older) with von Willebrand Disease, when desmopressin (DDAVP) treatment alone is ineffective or not indicated, for the treatment of haemorrhage and surgical bleeding; prevention of surgical bleeding.

REPORTS AND PUBLICATIONS – INTERNATIONAL

Agency for Healthcare Research and Quality (AHRQ) USA

- Organizational Health Literacy More Essential than Ever for Preventing and Managing Chronic Disease - [link](#)

Canadian Agency for Drugs and Technologies in Health

- Clinical Effectiveness and Guidelines: Virtual Health Care for Adults with Concurrent Disorders - [link](#);
- Protective Eyewear for Health Care Workers - [link](#)

Care Quality Commission (UK)

- Mental health rehabilitation inpatient services – 2019 update - [link](#)
- Assessment of mental health services in acute trusts - [link](#)

European Medicines Agency (EMA)

- First long-acting injectable antiretroviral therapy for HIV recommended for approval - [link](#)
- EMA Panel Backs Peanut Allergy Desensitizing Powder Palforzia - [link](#)

Food and Drug Administration (FDA) USA

- Venclexta® (venetoclax tablets) – indications extended to include acute myeloid leukemia - [link](#)
- New Drug approvals
- Inmazeb (atoltivimab, maftivimab, and odesivimab-ebgn): First Treatment for Ebola Virus - [link](#)

National Institute for Health and Clinical Excellence (NICE) UK

- QS47 Heavy menstrual bleeding (updated) - [link](#)
- Nivolumab for advanced squamous non-small-cell lung cancer after chemotherapy – guidance ([TA655](#))

Specialist Pharmacy Services

- What is the evidence for verapamil for prevention of cluster headache? - [link](#)
- What are the differences between different brands of mesalazine tablets? - [link](#)
- Thickening agents and thickened fluids: do they interact with medicines? - [link](#)
- NICE Bites: Pneumonia (antimicrobial prescribing) - [link](#)

MEDICATION SAFETY

electronic Medicines Compendium (eMC) (UK)

- Revised SPCs
- Concerta XL ([methylphenidate](#)) - dysphemia added as an adverse effect of unknown frequency.
- Cordarone X ([amiodarone](#)) - co-administration of amiodarone with sofosbuvir-containing regimens may lead to serious symptomatic bradycardia. Amiodarone should only be used in patients on sofosbuvir- containing regimens when alternative treatments are not tolerated/contraindicated.
- Zinforo ([ceftaroline](#))- encephalopathy and eosinophilic pneumonia added as an ADR.
- OxyNorm ([oxycodone](#)) - sleep apnoea syndrome added as potential adverse effect (frequency unknown). The SPC also notes that opioids may also cause worsening of pre-existing sleep apnoea.
- Risk minimisation materials:
 - Bavencio (avelumab) – Patient Alert Card and information brochure - [link](#)
 - Micafungin safety checklist for prescribing physicians - [link](#)
 - Letters to Healthcare Professionals: ONIVYDE pegylated liposomal 4.3 mg/ml (Irinotecan) - [link](#)

Food and Drug Administration (FDA) USA

- FDA Warns that Using a Type of Pain and Fever Medication in Second Half of Pregnancy Could Lead to Complications - [link](#)

Health Canada – MedEffect Notice

- Benzocaine products should not be used in children under two years of age - [link](#)

ISMP

- Medication Safety Alert! [October 22, 2020](#)
- ISMP [Survey](#) Provides Insights into Pharmacy Sterile Compounding Systems and Practices
- Heparin-hypertonic saline close call
- THRIV Coalition survey on IV workflow systems
- Mix-ups between droperidol and dronabinol
- Worth repeating... More mix-ups between ePHEDrine and EPINEPHrine
- Acute Care Action Agenda (July – September 2020)

TGA

- Safety Advisory: Valerian (Valeriana officinalis) potential for liver injury - [link](#)

PAPERS OF INTEREST

American Diabetes Association - Diabetes care

- Six Months of Hybrid Closed-Loop Versus Manual Insulin Delivery with Fingerprick Blood Glucose Monitoring in Adults with Type 1 Diabetes: A Randomized, Controlled Trial - [link](#)

American Journal of Health-System Pharmacy (AHJP)

- Association between opioid dose escalation and time to death in a comfort measures only population - [link](#)
- Comparison of IV oncology infusions compounded via robotics and gravimetrics-assisted workflow processes - [link](#)
- Assessment of pharmacy technician learning preferences and implications for training - [link](#)
- Managing difficult conversations - [link](#)

American Society of Hematology

- Letter: Are apixaban and rivaroxaban distributed into human breast milk to clinically relevant concentrations? - [link](#)

Annals of Internal Medicine

- Video: Annals Consult Guys - Preoperative Cannabis: Reason to Postpone Surgery? - [link](#)
- What Hospitalists Need to Know about Risk for Contrast-Induced Acute Kidney Injury From Contrast-Enhanced Computed Tomography - [link](#)

Australian Journal of Primary Health

- Does point-of-care testing in general practice for leucocyte and differential count change use of antimicrobial medicines? A pilot study - [link](#)

British Journal of Clinical Pharmacology

- Potential prescribing issues among older HIV-infected subjects in a Mediterranean cohort: Does the current prevalence give cause for concern? - [link](#)
- Does adherence to lipid-lowering medications improve cancer survival? A nationwide study of breast and colorectal cancer, and melanoma - [link](#)
- Commentary: Model antibiotic use to improve outcomes - [link](#)
- Commentary: The missed opportunity for real-world evidence to shape our understanding of medical cannabis - [link](#)

British Journal of Psychiatry

- Benzodiazepines: it's time to return to the evidence- [link](#)

British Medical Journal (BMJ)

- Therapeutics: Warfarin in patients with mechanical heart valves - [link](#)

BMJ DTB

- Steroid emergency cards: action needed - [link](#)

BMJ Heart

- Newly diagnosed diabetes and outcomes after acute myocardial infarction in young adults - [link](#)

BMJ Open

- Effect of N-acetylcysteine on prevention of contrast-associated acute kidney injury in patients with STEMI undergoing primary percutaneous coronary intervention: a systematic review and meta-analysis of randomised controlled trials - [link](#)
- Natalizumab versus fingolimod for patients with active relapsing-remitting multiple sclerosis: results from REVEAL, a prospective, randomised head-to-head study - [link](#)

BMJ Thorax

- Risk of osteoporosis and fragility fractures in asthma due to oral and inhaled corticosteroids: two population-based nested case-control studies - [link](#)

Circulation

- Acute COVID-19 and the Incidence of Ischemic Stroke and Acute Myocardial Infarction - [link](#)
- Effect of Pre-Hospital Crushed Prasugrel Tablets in Patients with STEMI Planned for Primary Percutaneous Coronary Intervention: The Randomized COMPARE CRUSH Trial - [link](#)

Cochrane

- Relief of pain due to uterine cramping/involution after birth - [link](#)
- Drug treatments for managing cystic fibrosis-related diabetes - [link](#)
- Drugs for preventing postoperative nausea and vomiting in adults after general anaesthesia: a network meta-analysis - [link](#)
- Pentoxifylline for intermittent claudication - [link](#)
- Implementation interventions to promote the uptake of evidence-based practices in stroke rehabilitation - [link](#)
- Probiotics to prevent necrotising enterocolitis in very preterm or very low birth weight infants - [link](#)
- Electronic cigarettes for smoking cessation - [link](#)
- Targeted therapy for metastatic renal cell carcinoma - [link](#)
- The effectiveness and cost-effectiveness of hospital-based specialist palliative care for adults with advanced illness and their caregivers - [link](#)

Diabetes Care

- Real-time CGM Is Superior to Flash Glucose Monitoring for Glucose Control in Type 1 Diabetes: The CORRIDA Randomized Controlled Trial - [link](#)

Health Expectations

- Post-discharge medicines management: the experiences, perceptions and roles of older people and their family carers - [link](#)

Internal Medicine Journal

- End-of-life intravenous chemotherapy administration patterns in the treatment of Queensland lung and pancreas cancer patients: A 10 year retrospective analysis - [link](#)
- To Investigate Outcomes in Endoscopic Management of Early Oesophageal Adenocarcinoma in Barrett's Oesophagus: Experience at Three Australian Tertiary Centres - [link](#)

International Journal of Clinical Pharmacy

- Venous thromboembolism prophylaxis in patients undergoing knee replacements: comparison of real-world outcomes - [link](#)
- Off-label antibiotic use among paediatric in-patients: a mixed-method prospective study at a tertiary hospital in southwestern Uganda - [link](#)
- Clinical, economic, and organizational impact of pharmacists' interventions in a cognitive-behavioral unit in France - [link](#)

International Journal for Quality in Health Care

- Innovating Health Care: Key Characteristics of Human-Centered Design - [link](#)
- Hospital medication errors: a cross sectional study - [link](#)
- The efficiency-thoroughness trade-off after implementation of electronic medication management: a qualitative study in pediatric oncology - [link](#)
- The effect of electronic audits and feedback in primary care and factors that contribute to their effectiveness: a systematic review - [link](#)
- Evaluation of clinical practice guideline quality: comparison of two appraisal tools - [link](#)

JAMA

- Antiretroviral Drugs for Treatment and Prevention of HIV Infection in Adults 2020 Recommendations of the International Antiviral Society–USA Panel - [link](#)
- Effect of Vericiguat vs Placebo on Quality of Life in Patients With Heart Failure and Preserved Ejection Fraction. The VITALITY-HFpEF Randomized Clinical [Trial](#)
- Effect of Praliguat on Peak Rate of Oxygen Consumption in Patients With Heart Failure With Preserved Ejection Fraction. The CAPACITY HFpEF Randomized Clinical [Trial](#)

JAMA Internal Medicine

- Research Letter: Pregnancy and Fetal Outcomes Following Exposure to Modafinil and Armodafinil during Pregnancy – [link](#)

JAMA Network Open

- Bimagrumab vs Optimized Standard of Care for Treatment of Sarcopenia in Community-Dwelling Older Adults. A Randomized Clinical Trial - [link](#)
- Comparison of First-Line Treatments for Patients with Extensive-Stage Small Cell Lung Cancer A Systematic Review and Network Meta-analysis - [link](#)

JAMA Neurology

- Microbleeds and the Effect of Anticoagulation in Patients with Embolic Stroke of Undetermined Source. An Exploratory Analysis of the NAVIGATE ESUS Randomized Clinical Trial - [link](#)

JAMA Oncology

- Research Letter: Early Trastuzumab Interruption and Recurrence-Free Survival in ERBB2-Positive Breast Cancer - [link](#)

JAMA Ophthalmology

- Lifetime Outcomes of Anti–Vascular Endothelial Growth Factor Treatment for Neovascular Age-Related Macular Degeneration - [link](#)

JAMA Pediatrics

- Short-term Outcomes of the Study of Refeeding to Optimize Inpatient Gains for Patients with Anorexia Nervosa. A Multicenter Randomized Clinical Trial - [link](#)
- Association between Parent Comfort with English and Adverse Events among Hospitalized Children - [link](#)

JAMA Surgery

- Review: Evaluation and Treatment of Patients with Hypercortisolism - [link](#)

JAMIA (Journal of the American Medical Informatics Association)

- Trends in user-initiated health information exchange in the inpatient, outpatient, and emergency settings - [link](#)

Journal of Clinical Nursing

- Information concerning ICU patients' families in the handover— the clinicians' «game of whispers»: A qualitative study - [link](#)

Journal of Clinical Oncology

- Selection of Optimal Adjuvant Chemotherapy and Targeted Therapy for Early Breast Cancer: ASCO Guideline Update - [link](#)

Lancet

- Amisulpride, aripiprazole, and olanzapine in patients with schizophrenia-spectrum disorders (BeSt InTro): a pragmatic, rater-blind, semi-randomised trial - [link](#)

- Associations between statin use and suicidality, depression, anxiety, and seizures: a Swedish total-population cohort study - [link](#)

- Safety and efficacy of abatacept in early diffuse cutaneous systemic sclerosis (ASSET): open-label extension of a phase 2, double-blind randomised trial - [link](#)

- Risk factors for indicators of opioid-related harms amongst people living with chronic non-cancer pain: Findings from a 5-year prospective cohort study - [link](#)

- Risk of hepatitis B reactivation and cytomegalovirus related infections with Mogamulizumab: A retrospective study of international pharmacovigilance database - [link](#)

- Comparative efficacy, tolerability and safety of dolutegravir and efavirenz 400mg among antiretroviral therapies for first-line HIV treatment: A systematic literature review and network meta-analysis - [link](#)

Molecular Diversity Preservation International (MDPI) – Pharmacy Journal

- A New Case Manager for Diabetic Patients: A Pilot Observational Study of the Role of Community Pharmacists and Pharmacy Services in the Case Management of Diabetic Patients - [link](#)

- Using Simulation to Teach Methods for Improving Patient Literacy about Medicines - [link](#)

Medical Journal of Australia

- Outcomes for children after second liver transplantations are similar to those after first transplantations: a binational registry analysis - [link](#)

- Gut microbiota-derived trimethylamine N-oxide is associated with poor prognosis in patients with heart failure - [link](#)

New England Journal of Medicine

- Trial of Upadacitinib or Abatacept in Rheumatoid Arthritis - [link](#)

- Review article: Sensory Ganglionopathy - [link](#)

Pediatrics (American Academy of Pediatrics)

- Report: Evaluation and Management of the Infant Exposed to HIV in the United States - [link](#)

Pharmacotherapy

- Prescription Medication Use in Older Adults without Major Cardiovascular Disease Enrolled in the Aspirin in Reducing Events in the Elderly (ASPREE) Clinical Trial - [link](#)

- Review: CBD and THC: Do they complement each other like yin and yang? - [link](#)

- Review: Drug-Induced Ototoxicity: A Comprehensive Review and Reference Guide - [link](#)

- Proton pump inhibitor utilization in veteran patients on combined antithrombotic therapy and validation of simplified bleeding risk score - [link](#)

- Population pharmacokinetic study of vancomycin in Chinese pediatric patients with hematological malignancies - [link](#)

- Risk of Venous Thromboembolism Associated with Tofacitinib and Baricitinib: A Systematic Review and indirect Meta-Analysis - [link](#)

- Using Child-Pugh Class to Optimize Voriconazole Dosage Regimens and Improve Safety in Patients with Liver Cirrhosis: Insights from a Population Pharmacokinetic Model-based Analysis - [link](#)

Prescrire – French Medical Journal

- Prescrire International Issue N°219 - October 2020 - [link](#)
- Spotlight article: Apixaban, edoxaban, rivaroxaban: situations with a high risk of bleeding or thrombosis - [link](#)

Prescriber UK

- The importance of measuring biomarkers in asthma - [link](#)
- Deprescribing antihypertensives in patients with multimorbidity - [link](#)
- Systemic anticancer therapies and the role of primary care - [link](#)

Public Library of Science (PLOS)

- The impact of delayed treatment of uncomplicated *P. falciparum* malaria on progression to severe malaria: A systematic review and a pooled multicentre individual-patient meta-analysis - [link](#)
- The association between circulating 25-hydroxyvitamin D metabolites and type 2 diabetes in European populations: A meta-analysis and Mendelian randomisation analysis - [link](#)

Therapeutics and Clinical Risk Management

- Vancomycin in ICU Patients with Gram-Positive Infections: Initial Trough Levels and Mortality - [link](#)

TAG Mail – 15 October 2020

COVID-19 RESOURCES & ARTICLES OF INTEREST

Please click this [link](#) for the cumulative listing of COVID-19 resources in past TAG Mails.

AUSTRALIAN

Australian Government Department of Health

- Digital and telephone support for mental health during COVID-19 - [link](#)
- Information about the University of Queensland vaccine for COVID-19 - [link](#)
- A joint statement from the Public Health Laboratory Network (PHLN) and Communicable Diseases Network Australia (CDNA) about rapid antigen testing for SARS-CoV-2 - [link](#)

ANZCA

- Statement on PPE during the SARS-CoV-2 pandemic; Version 4 (October 2020) - [link](#)

Australian Prescriber

- Testing for COVID-19 - [link](#)

CEC

- RACF COVID-19 PPE Train the Trainer package - [link](#)

Maridulu Budyari Gumal (Sydney Partnership for Health, Education, Research and Enterprise)

- COVID-19 factsheets for people with chronic conditions in easy-to-understand English and translated into Arabic, Chinese (Simplified and Traditional), Greek, Italian and Vietnamese - [link](#)

National COVID-19 Clinical Evidence Taskforce

- New or updated recommendations as at [8/10/20](#)

NSW Health

- Western Sydney Local Health District COVID-19 Community Resources website with streamlined information tailored to our culturally and linguistically diverse community - [link](#)

NSW Health Critical Intelligence Unit – Evidence checks

- Elective surgical procedures, non-surgical alternatives and shared decision-making - [link](#)
- Waste from personal protective equipment - [link](#)

Royal College of Pathologists of Australasia (RCPA)

- Advises against the widespread use of rapid antigen test for the diagnosis of COVID-19 - [link](#)

TGA

- TGA grants provisional determination for COVID-19 vaccines - [ChAd0x1-S \[recombinant\]](#) and [BNT162b2 \[mRNA\]](#)

INTERNATIONAL

WHO

- What we know about COVID-19 vaccine development (6 Oct 2020) - [link](#)
- COVID-19 science conversation: 'Science in 5' webinar series: [Episode 7](#) Serological Surveys

Canada

CADTH

- Webinar: How COVID-19 is changing the Evidence Landscape – 20 Oct 2020 2pm-3pm EDT - [link](#)
- Webinar: Open Science- COVID-19 and Beyond – 27 October 2020 at 12pm-1pm EDT - [link](#)

National Collaborating Centre for Methods and Tools

- Rapid Review: What are best practices for risk communication and strategies to mitigate risk behaviours? - [link](#)

UK

Medicines and Healthcare products Regulatory Agency (MHRA) UK

- Guidance: Warfarin and other anticoagulants – monitoring of patients during the COVID-19 pandemic - [link](#)

NICE

- COVID-19 rapid ([NG173](#)) guideline: antibiotics for pneumonia in adults in hospital – updated
- COVID-19 rapid ([NG170](#)) guideline: cystic fibrosis - updated

UK Government & University of Cambridge

"Go Viral!" game that uses inoculation theory to build the public's resilience to false information, mitigating the risk of false information undermining adherence to, or uptake of, COVID-19 vaccines, treatments and diagnostics - [link](#)

USA

Agency for Healthcare Research and Quality (AHRQ) USA

- Rapid Review: Resource Allocation and Pandemic Response: An Evidence Synthesis to Inform Decision Making - [link](#)
- No-Touch Modalities for Disinfecting Patient Rooms in Acute Care Settings: A Rapid Review - [link](#)

American College of Medical Toxicology

- Therapeutics and Their Toxicities: An Update – watch recorded [webinar](#) held 14/10/20

American Society of Health-System Pharmacists (ASHP)

- ASHP discussion forum ([Sign up](#) for free) recent topics of discussion include: COVID Vaccine Administration, Allocation, And Distribution; COVID + employee, when can mix in IV room?; Infusion titration in critically ill Covid patients; Flolan for patients with COVID19

American Society of Haematology (ASH)

- ASH Guidelines on Use of Anticoagulation in Patients with COVID-19 - [link](#)

JOURNAL ARTICLES

Anaesthesia

- A quantitative evaluation of aerosol generation during tracheal intubation and extubation - [link](#)

Australian Health Review

- Psychological well-being of Australian hospital clinical staff during the COVID-19 pandemic - [link](#)

British Medical Journal (BMJ)

- Severity of respiratory failure at admission and in-hospital mortality in patients with COVID-19: a prospective observational multicentre study - [link](#)
- Editorial: Neuropsychiatric complications of covid-19 - [link](#)
- Case report: Sudden irreversible hearing loss post COVID-19 - [link](#)
- Fair and equitable subject selection in concurrent COVID-19 clinical trials - [link](#)

British Medical Journal (BMJ) Open Respiratory Research

- Perspective: Portable negative pressure environment to protect staff during aerosol-generating procedures in patients with COVID-19 - [link](#)
- Classification of aerosol-generating procedures: a rapid systematic review - [link](#)
- Prevalence and clinical outcomes of COVID-19 in patients with autoimmune diseases: a systematic review and meta-analysis - [link](#)

Cochrane

- Convalescent plasma or hyperimmune immunoglobulin for people with COVID-19: a living systematic review - [link](#)

Diabetic Medicine

- Increased paediatric presentations of severe diabetic ketoacidosis in an Australian tertiary centre during the COVID-19 pandemic - [link](#)

JAMA

- Research Letter: Nonfatal Opioid Overdoses at an Urban Emergency Department during the COVID-19 Pandemic - [link](#)

European Journal of Clinical Investigation

- Incidence and treatment of arrhythmias secondary to coronavirus infection in humans: a systematic review - [link](#)

European Journal of Haematology

- Association of Anticoagulation Dose and Survival in Hospitalized COVID-19 Patients: A Retrospective Propensity Score Weighted Analysis - [link](#)

JAMA

- Viewpoint: Mental Health Disorders Related to COVID-19–Related Deaths - [link](#)
- Timing, Complications, and Safety of Tracheotomy in Critically Ill Patients with COVID-19 - [link](#)
- Outcomes of Neonates Born to Mothers with Severe Acute Respiratory Syndrome Coronavirus 2 Infection at a Large Medical Center in New York City - [link](#)

Journal of Clinical Oncology

- Elective Cancer Surgery in COVID-19–Free Surgical Pathways during the SARS-CoV-2 Pandemic: An International, Multicenter, Comparative Cohort Study - [link](#)

Lancet

- COVID-19 in New Zealand and the impact of the national response: a descriptive epidemiological study - [link](#)
- Genomic evidence for reinfection with SARS-CoV-2: a case study - [link](#)
- Determinants of outcome in Covid-19 hospitalized patients with lymphoma: A retrospective multicentric cohort study - [link](#)
- Impact of COVID-19 mitigation measures on the incidence of preterm birth: a national quasi-experimental study - [link](#)

medRxiv

- Pre-print: Robust test and trace strategies can prevent COVID-19 resurgences: a case study from New South Wales, Australia - [link](#)

MJA

- Letter: COVID-19 response: the perspectives of infectious diseases physicians and clinical microbiologists - [link](#)
- Perspective: Considerations for cancer immunotherapy during the COVID-19 pandemic - [link](#)

- Letter: Travel restrictions and evidence-based decision making for novel epidemics - [link](#)
- COVID-19 safety: aerosol-generating procedures and cardiothoracic surgery and anaesthesia — Australian and New Zealand consensus statement - [link](#)

New England Journal of Medicine

- Effect of Hydroxychloroquine in Hospitalized Patients with Covid-19 (RECOVERY) - [link](#)
- Safety and Immunogenicity of Two RNA-Based Covid-19 Vaccine Candidates - [link](#)

NIHR

- Brain and nerve complications are more common than expected in younger patients with severe COVID-19 - [link](#)

Pharmacotherapy

- Hydroxychloroquine in hospitalized COVID-19 patients: Real world experience assessing mortality - [link](#)

The Pharmaceutical Journal

- Everything you need to know about the COVID-19 therapy trials - [link](#)

Scientific Data

- A cross-country database of COVID-19 testing - [link](#)

Thrombosis Research

- Therapeutic versus prophylactic anticoagulation for severe COVID-19: A randomized phase II clinical trial (HESACOVID) - [link](#)

REPORTS AND PUBLICATIONS – AUSTRALIA

Australian Institute for Health and Welfare (AIHW)

- National suicide monitoring of serving and ex-serving Australian Defence Force personnel: 2020 update - [link](#)
- Mental health services in Australia - [link](#)
- Experiences in health care for people with chronic conditions: How GPs and other specialists communicate with their patients - [link](#)

NSW Health Intranet

- Information Bulletin: Christmas Close Down 2020-21 and Additional Public Holiday 2020 - [link](#)
- Policy Directive: Circumcision of Normal Infant Males (replaces PD2012_009) - [link](#)
- Blue book (My Personal health Record) update - [link](#)
- 20-Year Health Infrastructure Strategy - [link](#)
- Strategic Framework for Suicide Prevention in NSW 2018-2023 – Implementation Plan - [link](#)- NSW Health Statewide Requirements - Establishing Suicide Prevention Outreach Teams (SPOT) - [link](#)

TGA

- Submissions received and TGA response: Transparency measures for prescription medicines - [link](#)
- New transparency measures for prescription medicines - [link](#)
- AIVC recommendation for the composition of influenza vaccine for Australia in 2021 - [link](#)
- Authorised Prescriber Scheme: [Guidance](#) for medical practitioners, Human Research Ethics Committees, specialist colleges and sponsors. [Frequently asked questions](#)
- Australian prescription medicine decision summaries:
 - [Etanercept](#) (Rymti, Etera) - approved to treat rheumatoid arthritis and certain other inflammatory conditions.

REPORTS AND PUBLICATIONS – INTERNATIONAL

Agency for Healthcare Research and Quality (AHRQ) USA

- Management of Colonic Diverticulitis - [link](#)

Independent Medicines and Medical Devices Safety Review

- First Do No Harm-The report of the IMMDS Review - [link](#)

National Institute for Health and Clinical Excellence (NICE) UK

- Rheumatoid arthritis in adults: management ([NG100](#)) guidance updated
- Guidance: osimertinib for treating EGFR T790M mutation-positive advanced non-small-cell lung cancer ([TA653](#)) and for untreated EGFR mutation-positive non-small-cell lung cancer ([TA654](#))

Specialist Pharmacy Services

- Publications – Medicines related conversations: changes to informed consent - [link](#)

Voluntary Community and Social Enterprise (VCSE) Health and Wellbeing Alliance

- Reducing Health Inequalities for People Living with Frailty: A resource for commissioners, service providers and health, care and support staff - [link](#)

World Health Organisation (WHO)

- WHO Health Evidence Network synthesis report 70: Mental health, men and culture: Across the WHO European Region - [link](#)

MEDICATION SAFETY

electronic Medicines Compendium (eMC) (UK)

- Revised SPCs

-- Motilium ([domperidone](#)) - revised in line with MHRA advice issued in December to state that efficacy in children less than 12 years of age and in adolescents 12 years of age and older and weighing less than 35 kg has not been established.

-- Inflectra ([infliximab](#))- Kaposi's sarcoma added an adverse effect (unknown frequency).

-- Dupixent ([dupilumab](#)) - safety profile of dupilumab in the 96 weeks safety study (TRAVERSE) consistent with safety profile observed in pivotal asthma studies for up to 52 weeks treatment.

-- Revlimid ([lenalidomide](#)) - updated to note cases of pulmonary hypertension, some fatal, reported in patients treated with lenalidomide. Evaluate patients for signs and symptoms of underlying cardiopulmonary disease prior to initiating and during lenalidomide therapy.

- Crysvida ([burosumab](#)) – now approved for the treatment of X-linked hypophosphataemia in adults (previously indicated only in children and adolescents with radiographic evidence of bone disease). Various sections updated to reflect data on use in adults.

- Palladone ([hydromorphone hydrochloride](#))- Severe bronchial asthma added as a contraindication. Sleep apnoea syndrome added as an adverse effect, and there is new information in the warnings/precautions section regarding central sleep apnoea, constipation and head injury.

- Plenachol D3 ([colecalfiferol](#))- now also licensed for use as an adjunct to specific therapy for osteoporosis in patients with vitamin D deficiency or at risk of vitamin D insufficiency.

- OxyContin ([oxycodone](#))- updated warnings regarding concomitant use with benzodiazepines, addition of warning regarding use of MAOIs within the previous 2 weeks, and addition of sleep apnoea syndrome as a possible adverse effect.

- Fragmin ([dalteparin](#)) - all Fragmin prefilled syringes have been updated to note that their needle shield may contain latex (natural rubber) which may cause severe allergic reactions in individuals with hypersensitivity to latex (natural rubber) [previously latex-free].

- Lustral ([sertraline hydrochloride](#))- updated to include microscopic colitis (inflammation of the large intestine) as an adverse event (unknown frequency).

CEC

- Medication Safety Communication: Isoprenaline Injection - [link](#)

Healthcare Safety Investigation Branch (UK)

- Investigation into management of venous thromboembolism risk in patients following thrombolysis for an acute stroke - [link](#)

Medicines and Healthcare products Regulatory Agency (MHRA) UK

- Guidance: Warfarin and other anticoagulants – monitoring of patients during the COVID-19 pandemic - [link](#)

TGA

- YongGang tablets pose a serious risk to your health and should not be taken (contains undeclared sildenafil) - [link](#)
- Safety advisory: Nature's Way Kids Smart Vita Gummies Omega 3 DHA Fish Oil (contains undeclared milk products) update - [link](#).

PAPERS OF INTEREST

American Journal of Health-System Pharmacy (AHJP)

- Clinical pharmacist input on HIV management may improve antiretroviral prescribing for psychiatric patients - [link](#)
- Dexmedetomidine as add-on sedation to reduce continuous infusion sedative in mechanically ventilated patients - [link](#)
- Assessment of a pharmacy technician medication history program - [link](#)
- Review of non-opioid multimodal analgesia for surgical and trauma patients - [link](#)
- Patient outcomes following state-mandated opioid dose reductions - [link](#)
- Case Report: Treatment of chronic hepatitis C virus infection with crushed ledipasvir/sofosbuvir administered through a percutaneous endoscopic gastrostomy tube in a patient with HIV coinfection - [link](#)

Annals of Emergency Medicine

- Can an Emergency Department–Initiated Intervention Prevent Subsequent Falls and Health Care Use in Older Adults? A Randomized Controlled Trial - [link](#)

Arthritis and Rheumatology

- Pulmonary Adverse Events in Patients Receiving Low-Dose Methotrexate in the Randomized, Double-Blind, Placebo-Controlled Cardiovascular Inflammation Reduction Trial - [link](#)
- Antiphospholipid Antibodies in Critically Ill Patients with COVID-19 - [link](#)

British Medical Journal (BMJ)

- Clinical Review: Management of hypertriglyceridemia - [link](#)
- Effect of exercise training for five years on all-cause mortality in older adults—the Generation 100 study: randomised controlled trial - [link](#)
- Association between the reproductive health of young women and cardiovascular disease in later life: umbrella review - [link](#)

BMJ Heart

- Review: Right ventricle in heart failure with preserved ejection fraction - [link](#)

British Medical Journal (BMJ) Open

- Adherence to lipid-lowering guidelines for secondary prevention and potential reduction in CVD events in Swedish primary care: a cross-sectional study - [link](#)
- Can children swallow tablets? Outcome data from a feasibility study to assess the acceptability of different-sized placebo tablets in children (creating acceptable tablets (CAT)) - [link](#)

Circulation

- Efficacy of Dapagliflozin on Renal Function and Outcomes in Patients with Heart Failure with Reduced Ejection Fraction: Results of DAPA-HF - [link](#)
- Statement: Assessing and Addressing Cardiovascular Health in LGBTQ Adults. A Scientific Statement From the American Heart Association - [link](#)

Cochrane

- Antiplatelet and anticoagulant agents for secondary prevention of stroke and other thromboembolic events in people with antiphospholipid syndrome - [link](#)
- Interventions to reduce contaminated aerosols produced during dental procedures for preventing infectious diseases - [link](#)
- Prophylactic corticosteroids for paediatric heart surgery with cardiopulmonary bypass - [link](#)
- Prophylaxis of thromboembolism during therapy with asparaginase in adults with acute lymphoblastic leukaemia - [link](#)
- Local cooling for relieving pain from perineal trauma sustained during childbirth - [link](#)
- Vena caval filters for the prevention of pulmonary embolism - [link](#)

- Prophylactic anti-staphylococcal antibiotics for cystic fibrosis - [link](#)

Diabetes Care

- Immune Checkpoint Inhibitor–Associated Diabetes: A Single-Institution Experience - [link](#)

European Heart Journal

- Impact of cardiovascular risk factors and genetics on 10-year absolute risk of dementia: risk charts for targeted prevention - [link](#)

- A randomized controlled trial of dapagliflozin on left ventricular hypertrophy in people with type two diabetes: the DAPA-LVH trial - [link](#)

European Journal of Hospital Pharmacy

- Assessment of the effectiveness of a pharmacist approach for improving disease-specific knowledge and treatment in patients with chronic obstructive pulmonary disease - [link](#)

- Discontinuation due to neuropsychiatric adverse events with efavirenz- and dolutegravir-based antiretroviral therapy: a comparative real-life study - [link](#)

- Hands on Medicines Information: Is it safe to use visible blue light-emitting diode phototherapy for neonatal jaundice in infants who are also treated with amiodarone? - [link](#)

- Impact of non-formulary drugs on pharmacological prescription in hospitalised patients - [link](#)

Health Affairs

- Children and The Opioid Epidemic: Age-Stratified Exposures and Harms - [link](#)

- Pediatric Drug Policies Supporting Safe And Effective Use Of Therapeutics In Children: A Systematic Analysis - [link](#)

Health Expectations

- Exploring patient and pharmacist perspectives on complex interventions for cardiovascular prevention: A qualitative descriptive process evaluation - [link](#)

Health Research Policy and Systems

- Individual, health system, and contextual barriers and facilitators for the implementation of clinical practice guidelines: a systematic metareview - [link](#)

Internal Medicine Journal

- Use and outcomes of chemotherapy for metastatic pancreatic cancer in Australia - [link](#)

- Unbound Vitamin D Concentrations Are Not Decreased in Critically Ill Patients - [link](#)

International Journal of Clinical Pharmacy

- Prognostic factors for patients with heparin-induced thrombocytopenia: a systematic review - [link](#)

- Levels of tacrolimus after treatment for chronic hepatitis C with direct antiviral agents in solid organ transplant recipients - [link](#)

- A possible effect of montelukast on neurological aging examined by the use of register data - [link](#)

- Implementation of mouth rinsing after use of inhaled corticosteroids in Australia - [link](#)

- Co-trimoxazole induced hyperkalemia and potassium monitoring in hospitalized patients - [link](#)

JAMA

- Effect of Sustained Smoking Cessation Counseling and Provision of Medication vs Shorter-term Counseling and Medication Advice on Smoking Abstinence in Patients Recently Diagnosed with Cancer. A Randomized Clinical Trial - [link](#)

- Association of Receipt of Palliative Care Interventions With Health Care Use, Quality of Life, and Symptom Burden Among Adults With Chronic Noncancer Illness. A Systematic Review and Meta-analysis - [link](#)

- Viewpoint: The Case for Algorithmic Stewardship for Artificial Intelligence and Machine Learning Technologies - [link](#)

- Insights: Hormonal Contraception in Women with Hypertension - [link](#)

JAMA Cardiology

- Association of SGLT2 Inhibitors with Cardiovascular and Kidney Outcomes in Patients with Type 2 Diabetes. A Meta-analysis - [link](#)

- Effect of Passive Choice and Active Choice Interventions in the Electronic Health Record to Cardiologists on Statin Prescribing. A Cluster Randomized Clinical Trial - [link](#)

JAMA Dermatology

- Effect of Risankizumab on Patient-Reported Outcomes in Moderate to Severe Psoriasis: The UltIMMa-1 and UltIMMa-2 Randomized Clinical Trials - [link](#)

JAMA Internal Medicine

- Overall and Cause-Specific Mortality in Randomized Clinical Trials Comparing Percutaneous Interventions with Coronary Bypass Surgery A Meta-analysis - [link](#)
- Implication of Trends in Timing of Dialysis Initiation for Incidence of End-stage Kidney Disease - [link](#)
- Concordance between Blood Pressure in the Systolic Blood Pressure Intervention Trial and in Routine Clinical Practice - [link](#)

JAMA Network Open

- Effect of Tropisetron on Prevention of Emergence Delirium in Patients after Noncardiac Surgery A Trial Protocol - [link](#)
- Cost-effectiveness of Pembrolizumab plus Axitinib vs Nivolumab plus Ipilimumab as First-Line Treatment of Advanced Renal Cell Carcinoma in the US - [link](#)
- Association of Treatment with Medications for Opioid Use Disorder with Mortality After Hospitalization for Injection Drug Use—Associated Infective Endocarditis - [link](#)
- Evaluation of Respiratory Symptoms among Youth e-Cigarette Users - [link](#)
- Effect of Patient Financial Incentives on Statin Adherence and Lipid Control: A Randomized Clinical Trial - [link](#)
- Thirty-Year Incidence and Mortality Trends in Upper and Lower Gastrointestinal Bleeding in Finland - [link](#)

JAMA Neurology

- Association between Apolipoprotein E $\epsilon 2$ vs $\epsilon 4$, Age, and β -Amyloid in Adults without Cognitive Impairment - [link](#)
- A 5-Decade Analysis of Incidence Trends of Ischemic Stroke after Transient Ischemic Attack A Systematic Review and Meta-analysis - [link](#)

JAMA Oncology

- Association of Measurable Residual Disease with Survival Outcomes in Patients with Acute Myeloid Leukemia. A Systematic Review and Meta-analysis - [link](#)

JAMA Ophthalmology

- Short-term Efficacy and Safety of Topical β -Blockers (Timolol Maleate Ophthalmic Solution, 0.5%) in Acute Migraine: A Randomized Crossover Trial - [link](#)
- Safety and Efficacy of Low-Dose Atropine Eyedrops for the Treatment of Myopia Progression in Chinese Children: A Randomized Clinical Trial - [link](#)

JAMA Psychiatry

- Association of High-Potency Cannabis Use with Mental Health and Substance Use in Adolescence - [link](#)
- Could Polygenic Risk Scores Be Useful in Psychiatry? A Review - [link](#)
- Adjunctive Psychotherapy for Bipolar Disorder: A Systematic Review and Component Network Meta-analysis - [link](#)

JAMA Surgery

- Evaluation and Treatment of Patients with Hypercortisolism: A Review - [link](#)

JAMIA (Journal of the American Medical Informatics Association)

- Putting the social back into sociotechnical: Case studies of co-design in digital health - [link](#)
- Optimizing the electronic health record: An inpatient sprint addresses provider burnout and improves electronic health record satisfaction - [link](#)

Journal of the American Pharmacists Association

- Team-based approach to improving medication reconciliation rates in family medicine residency clinics - [link](#)

Journal of the Australian Healthcare & Hospitals Association

- Introducing a clinically effective allied health rapid discharge team within a complex aged subacute in-patient cohort on a cost recovery basis: the Supported Patient centred Early Discharge (SPeED) initiative - [link](#)
- Perceptions of allied health staff of the implementation of an integrated electronic medical record across regional and metropolitan settings - [link](#)

Journal of Patient Safety

- Analysis of Risk Factors for Patient Safety Events Occurring in the Emergency Department - [link](#)

Journal of Pharmacy Practice and Research (JPPR)

- Assessment of the impact of pharmacy learners on admission medication reconciliation in Toronto, Canada - [link](#)
- Standard of practice in clinical trials for pharmacy services - [link](#)

Lancet

- Functional gastrointestinal disorders: advances in understanding and management - [link](#)
- Review: Nutritional approaches for gastroparesis - [link](#)
- Longitudinal antibody and T cell responses in Ebola virus disease survivors and contacts: an observational cohort study - [link](#)
- Effects of canagliflozin on anaemia in patients with type 2 diabetes and chronic kidney disease: a post-hoc analysis from the CREDENCE trial - [link](#)
- Efficacy, immunogenicity, and safety of a plant-derived, quadrivalent, virus-like particle influenza vaccine in adults (18–64 years) and older adults (≥65 years): two multicentre, randomised phase 3 trials - [link](#)
- Series: Malaria in early life - [link](#)
- Age-sex specific pulmonary embolism-related mortality in the USA and Canada, 2000–18: an analysis of the WHO Mortality Database and of the CDC Multiple Cause of Death database - [link](#)
- Real-world long-term outcomes in individuals at clinical risk for psychosis: The case for extending duration of care - [link](#)
- Incorporating kidney disease measures into cardiovascular risk prediction: Development and validation in 9 million adults from 72 datasets - [link](#)

Molecular Diversity Preservation International (MDPI) – Pharmacy Journal

- Medication Adherence in a Community Population with Uncontrolled Asthma - [link](#)
- Pharmacists' Perspectives on the Use of My Health Record - [link](#)
- Use of a Structured Method of Antimicrobial Stewardship at a City Hospital by Pharmacy Students - [link](#)
- An Investigation of the Practices of Australian Adults Experiencing Pain and Their Views of Australian Community Pharmacy Pain Management Services - [link](#)
- Recent Formulation Advances and Therapeutic Usefulness of Orally Disintegrating Tablets - [link](#)
- Over-The-Counter Codeine: Can Community Pharmacy Staff Nudge Customers into Its Safe and Appropriate Use? - [link](#)

Medical Journal of Australia

- Medical History: From opposite sides of the trenches: the two pioneers of the Kolling Institute of Medical Research, 1920–1974 - [link](#)
- Differences in treatment choices for localised prostate cancer diagnosed in private and public health services - [link](#)

National Institute for Health Research (NIHR) Signals

- Prozac (Fluoxetine) may be the best treatment for young people with depression – but more research is needed - [link](#)
- A decision aid may help people with newly-diagnosed multiple sclerosis consider their options for treatment - [link](#)
- People with anorectal melanoma may not benefit from radical surgery - [link](#)

New England Journal of Medicine

- Special report: Wildfires, Global Climate Change, and Human Health - [link](#)

Patient Safety

- Process Failures That Increase the Risk of Infection through Respiratory Droplets: A Study of Patient Safety Events Reported by Hospitals across Pennsylvania - [link](#)

Pediatrics (American Academy of Pediatrics)

- A Quality Improvement Initiative to Optimize Antibiotic Use in a Level 4 NICU - [link](#)
- Web-Based Tailored Messaging to Increase Vaccination: A Randomized Clinical Trial - [link](#)
- Transitional Care Interventions for Youth with Disabilities: A Systematic Review - [link](#)
- Prevalence of Clinically Significant Drug-Drug Interactions Across US Children's Hospitals - [link](#)

Pharmacotherapy

- Evaluation of guideline recommendations for dual antipseudomonal therapy in hospitalized adults with pneumonia using combination antibiograms - [link](#)
- Choice of Acid Suppressant Therapy and Long-Term Graft Outcomes after Kidney Transplantation - [link](#)
- Complementary Use of U.S. FDA's Adverse Event Reporting System and Sentinel System to Characterize Direct Oral Anticoagulants-Associated Cutaneous Small Vessel Vasculitis - [link](#)

Prescriber UK

- Capturing glucose variability in patients with diabetes - [link](#)
- The CURE Project: improving NHS smoking cessation services - [link](#)

Public Library of Science (PLOS)

- Evaluation of a pharmacist-led actionable audit and feedback intervention for improving medication safety in UK primary care: An interrupted time series analysis - [link](#)

Thrombosis Research

- Review: Efficacy and safety of non-vitamin K anticoagulants and warfarin in patients with atrial fibrillation and heart failure: A network meta-analysis - [link](#)

TAG Mail – 8 October 2020

COVID-19 RESOURCES & ARTICLES OF INTEREST

Please click this [link](#) for the cumulative listing of COVID-19 resources in past TAG Mails.

AUSTRALIAN

AHHA

- Webinar: What COVID-19 has taught us about health and health care - lessons from Melbourne. 14/10/20 at 1.30pm – register [here](#)

Australian Government Department of Health

- Webinar: COVID-19 response update for general practitioners – 8 Oct 2020 at 11.30am AEST - [link](#)

Australian and New Zealand College of Anaesthetists (ANZCA)

- Statement: personal protection equipment (PPE) during the SARS-CoV-2 pandemic (updated) - [link](#)

National COVID-19 Clinical Evidence Taskforce

- New or updated recommendations as at [1/10/20](#): New Recommendations on hydroxychloroquine plus azithromycin, recombinant human granulocyte colony-stimulating factor and tocilizumab. Updates to existing guidance: Umifenovir; Disease-modifying treatments not recommended outside of clinical trials and Therapies for pre-existing conditions in patients with COVID-19.

NSW Health

- Advice for pharmacists for managing the supply of medicines in the pandemic and assisting patients in home isolation - [link](#)

NPS MedicineWise

- Podcast: Episode 15: Cancer testing during the pandemic - [link](#)

Royal Commission into Aged Care Quality and Safety

- Aged care and COVID-19: a special report - [link](#) (commentary article - [link](#))

INTERNATIONAL

WHO

- WHO Regional Office for Europe recommendations on influenza vaccination for the 2020/2021 season during the ongoing COVID-19 pandemic - [link](#)

- [The impact of COVID-19 on mental, neurological and substance use services: results of a rapid assessment - link](#)

- Coronavirus disease (COVID-19) science conversation: 'Science in 5' webinar series

--[Episode 6](#) Flu & COVID-19

Canada

CADTH

- Webinar: Open Science – COVID-19 and Beyond. Tues 27 Oct 2020 12pm to 1pm EDT - [link](#)

Europe

EMA

- PRAC reviews a safety signal with Veklury (remdesivir) - [link](#)

- EMA starts first rolling review of a COVID-19 vaccine in the EU - [link](#)

- COVID-19 vaccines: key facts - [link](#)

- Treatments and vaccines for COVID-19 (updated) - [link](#)

UK

GOV.UK

- REACT-1 study of coronavirus (COVID-19) transmission: September 2020 results - [link](#)

Institute for Public Policy Research

- Resilient health and care: Learning the lessons of Covid-19 - [link](#)

Royal Society DELVE initiative

- SARS-CoV-2 Vaccine Development & Implementation; Scenarios, Options, Key Decisions - [link](#)

USA

The National Academies Press

- Framework for Equitable Allocation of COVID-19 Vaccine - [link](#)

Centers for Disease Control and Prevention

- How COVID-19 Spreads (updated) - [link](#)

JOURNAL ARTICLES

Addiction

- Shifts in alcohol consumption during the COVID-19 pandemic: early indications from Australia - [link](#)

American Diabetes Association – Diabetes Care

- Diabetes as a Risk Factor for Poor Early Outcomes in Patients Hospitalized with COVID-19 - [link](#)

Annals of Internal Medicine

- Incidence and Severity of COVID-19 in HIV-Positive Persons Receiving Antiretroviral Therapy. A Cohort Study - [link](#)

- Review: Remdesivir for Adults with COVID-19 - A Living Systematic Review for an American College of Physicians Practice Points - [link](#)

- Clinical Guidelines: Should Remdesivir Be Used for the Treatment of Patients With COVID-19?

Rapid, Living Practice Points from the American College of Physicians (Version 1) - [link](#)

Australian Health Review

- Telehealth uptake in general practice as a result of the coronavirus (COVID-19) pandemic - [link](#)

Australian New Zealand Journal of Psychiatry

- Whither economic evaluation in the case of COVID-19: What can the field of mental health economics contribute within the Australian context? - [link](#)

British Medical Journal (BMJ)

- In-hospital cardiac arrest in critically ill patients with covid-19: multicenter cohort study - [link](#)
- Covid-19: how to prioritize worse-off populations in allocating safe and effective vaccines - [link](#)
- Severe clinical outcomes of COVID-19 associated with proton pump inhibitors: a nationwide cohort study with propensity score matching - [link](#)
- Editorial: Political interference in public health science during covid-19 - [link](#)
- Why telemedicine is here to stay - [link](#)

BMJ Heart

- Incidence and outcome of myocardial infarction treated with percutaneous coronary intervention during COVID-19 pandemic - [link](#)

BMJ Journals: Journal of Clinical Pathology

- High burden of acute kidney injury in COVID-19 pandemic: systematic review and meta-analysis - [link](#)

BMJ Simulation & Technology Enhanced Learning

- Rapidly building surge capacity within a pandemic response using simulation-based clinical systems testing - [link](#)

Clinical Infectious Diseases

- Association of renin-angiotensin-aldosterone system inhibitors with COVID-19-related outcomes in Korea: a nationwide population-based cohort study - [link](#)

Cochrane Database of Systematic Reviews

- Prophylactic anticoagulants for people hospitalised with COVID-19 - [link](#)

Diabetes Care

- Impact of Comorbidities and Glycemia at Admission and Dipeptidyl Peptidase 4 Inhibitors in Patients with Type 2 Diabetes with COVID-19: A Case Series From an Academic Hospital in Lombardy, Italy - [link](#)

eClinical Medicine

- The utility of high-flow nasal oxygen for severe COVID-19 pneumonia in a resource-constrained setting: A multi-centre prospective observational study - [link](#)
- Sarilumab use in severe SARS-CoV-2 pneumonia - [link](#)

JAMA

- Viewpoint: Preserving Elective Surgeries in the COVID-19 Pandemic and the Future - [link](#)
- Viewpoint: Long-term Health Consequences of COVID-19- [link](#)
- Viewpoint: COVID-19 and Heart Failure with Preserved Ejection Fraction - [link](#)

Lancet

- Lopinavir–ritonavir in patients admitted to hospital with COVID-19 (RECOVERY): a randomised, controlled, open-label, platform trial - [link](#)

Lancet Infectious Diseases

- COVID-19: the deadly threat of misinformation - [link](#)

Lancet Neurology

- Neuropathology of patients with COVID-19 in Germany: a post-mortem case series - [link](#)

Lancet Psychiatry

- Prevalence, management, and outcomes of SARS-CoV-2 infections in older people and those with dementia in mental health wards in London, UK: a retrospective observational study - [link](#)

Lancet Respiratory

- Diagnosis of e-cigarette, or vaping, product use-associated lung injury (EVALI) in the COVID-19 era - [link](#)

Medical Journal of Australia

- Live-streamed ward rounds: a tool for clinical teaching during the COVID-19 pandemic - [link](#)
- Digital contact tracing technologies in epidemics: a rapid review - [link](#)
- Pre-print: COVID-19: how many Australians might have died if we'd had an outbreak like that in England and Wales? - [link](#)

medRxiv

- Pre-print: Examining Australian public perceptions and behaviors towards a future COVID-19 vaccine - [link](#)

Nature Communications

- The use of mobile phone data to inform analysis of COVID-19 pandemic epidemiology - [link](#)
- Machine learning based early warning system enables accurate mortality risk prediction for COVID-19 - [link](#)
- Review article: The immuno-oncological challenge of COVID-19 - [link](#)
- News feature: Face masks: what the data say – [link](#)

NEJM

- Covid-19, Ebola, and HIV — Leveraging Lessons to Maximize Impact - [link](#)

Pharmacotherapy

- Coagulopathy, Venous Thromboembolism, and Anticoagulation in Patients with COVID-19 - [link](#)

PLOS Medicine

- Seroprevalence of SARS-CoV-2 antibodies in people with an acute loss in their sense of smell and/or taste in a community-based population in London, UK: An observational cohort study - [link](#)

Thrombosis Research

- Venous thromboembolism in patients with COVID-19: Systematic review and meta-analysis - [link](#)

OTHER NEWS

Agency for Clinical Innovation, NSW (ACI)

- Project: Optimising Screening and Isolation for Carbapenemase-producing Enterobacterales (CPE) - this project studies the effect of a rapid CPE test on reducing the time that patients are unnecessarily placed in isolation pending screening results (Royal Prince Alfred Hospital) - [link](#)

Australian Government Department of Industry, Science, Energy and Resources

- Meeting our needs in times of crisis - \$107.2 million Supply Chain Resilience Initiative [announced](#)

Australian Government Department of Health

- The Australian Type 2 Diabetes Risk Assessment Tool (AUSDRISK) - [link](#)
- Recent updates to the Australian Immunisation Register - [link](#)
- **Fact sheets (updated):**
 - **Why is the National Immunisation Program schedule the way it is?** [link](#)
 - **What is in vaccines?** - [link](#)
 - **Is the HPV vaccine really safe?** - [link](#)
 - **How are vaccines shown to be safe?** - [link](#)
 - **How do vaccines affect immunity?** - [link](#)

- Vaccination and autism - [link](#)
- New funding and support strategy for younger people living in aged care - [link](#)
- Younger People in Residential Aged Care Strategy 2020-25 - [link](#)

Australian Prescriber

- Volume 43 Issue 5, [October 2020](#)
- Prescribing medicinal cannabis - [link](#)
- New drugs: [Darolutamide](#) for prostate cancer; [Obeticholic](#) acid for primary biliary cholangitis; [Remdesivir](#) for COVID-19; [Upadacitinib](#) for rheumatoid arthritis

Caring@home

- Updated [palliMEDS app](#) with new opioid calculator
- [Guidelines](#) for the handling of palliative care medicines in community services

Fragility Fracture Network

- **Orthogeriatrics: The Management of Older Patients with Fragility Fractures** ([open access textbook](#))

Institute of Tropical Medicine

- Short course: Pharmaceutical policies in health systems - [link](#)

National Asthma Council

- Australian Asthma [Handbook](#) version 2.1 published in September 2020 (addition of new recommendations, more information topics, tables and figures, as well as the revision of existing advice and information (with or without amendments).

NSW Health

- Improving customer experience in testing - [link](#)
- **Elevating the Human Experience – Our Guide to Action** - [link](#)

NPS MedicineWise

- Asthma in adults and adolescents: what's new for mild asthma management? - [link](#)
- Dementia and psychotropic medicines - [link](#)
- The value of spirometry in clinical practice (updated) - [link](#)
- **Radar: Additional changes for PBS-listed opioids** - [link](#)

SHPA

- SHPA Position Statement - Medication safety - [link](#)

TGA

- Special Access Scheme Category C legislative instruments have been updated to include new products and indications - [link](#)
- **The Poisons Standard (the SUSMP) updated** - [link](#)
- **Prescription opioids: Information for health professionals** - [link](#)
- Clinician [information sheet](#) on opioid analgesic tapering and [summary](#)

UTS Student Study

- [Survey](#) to describe knowledge and/or experiences with atrial fibrillation as a pharmacist.

World Evidence-Based Healthcare Day - 20 October 2020: 'Evidence to Impact' - [link](#)

REPORTS AND PUBLICATIONS – AUSTRALIA

AHHA

- Deeble Brief No 38: Optimising healthcare through specialist referral reforms - [link](#)

Australian Institute for Health and Welfare (AIHW)

- Medicare-subsidised GP, allied health and specialist health care across local areas: 2013–14 to 2018–19 - [link](#)
- People with disability in Australia - [link](#)

- Radiotherapy in Australia 2018–19 - [link](#)
- Cancer screening and COVID-19 in Australia - [link](#)
- BreastScreen Australia monitoring report 2020 - [link](#)
- Snapshot of results from remote Indigenous communities surveyed in the Northern Territory - [link](#)
- Developing the evidence base for the National Drug Strategy Household Survey: Remote Indigenous Communities—a case study - [link](#)

PBS

- New Dual Therapy PBS Restrictions for Pulmonary Arterial Hypertension Medicines (endothelin receptor antagonists and phosphodiesterase-5 inhibitors) - [link](#)

TGA

- Registration of [new or extended uses](#) of registered medicine:
 - Pembrolizumab (Keytruda) now also indicated as monotherapy for the treatment of patients with metastatic or unresectable recurrent HNSCC with disease progression on or after platinum-containing chemotherapy and whose tumours express PD-L1 [Combined Positive Score (CPS) ≥ 1] as determined by a validated test
- Registration of [new chemical entities](#) in Australia:
 - [Opicapone](#) (Ongentys) indicated as adjunctive therapy to preparations of levodopa/ DOPA decarboxylase inhibitors in adult patients with Parkinson's disease and end-of-dose motor fluctuations who cannot be stabilised on those combinations.

Victorian Institute of Forensic Medicine

- Clinical Communiqué Volume 7 Issue 3 [September 2020 Edition](#)

REPORTS AND PUBLICATIONS – INTERNATIONAL

Canadian Patient Safety Institute

- A Guide to Patient Safety Improvement - [link](#)

electronic Medicines Compendium (eMC) (UK)

- New products
- Dyzantil ([sodium valproate/ valproic acid](#))- for treatment of generalised, partial or other epilepsy.
- Jyseleca ([filgotinib](#))- for treatment of moderate to severe active rheumatoid arthritis in adults who have responded inadequately to, or who are intolerant to one or more DMARDs. It may be used as monotherapy or in combination with methotrexate.
- Aybintio ([bevacizumab](#))– biosimilar. Studies have shown Aybintio is highly similar to Avastin in terms of structure, purity and biological activity.

Food and Drug Administration (FDA) USA

- Updated information:
 - [Golimumab](#) (Simponi Aria) approved IV formulation for active polyarticular juvenile idiopathic arthritis and active psoriatic arthritis in patients 2 years and above
 - [Tofacitinib](#) (Xeljanz) - now also approved for polyarticular course juvenile idiopathic arthritis
- New Drug approvals
 - [Nivolumab](#) (Opdivo) approved for use in combination with ipilimumab for first line treatment of adults with malignant pleural mesothelioma that cannot be removed by surgery

GOV.UK

- The new National Genomic Healthcare Strategy: Genome UK: the future of healthcare - [link](#)
- Vaccine Update - [link](#)

Institute for Healthcare Improvement

- Achieving Hospital-wide Patient Flow (updated) - [link](#)

Joint Commission

- Quick Safety Issue 55: The optimal use of telehealth to deliver safe patient care - [link](#)

National Institute for Health and Clinical Excellence (NICE) UK

- [TA651](#) Naldemedine for treating opioid-induced constipation

- Behaviour change: digital and mobile health interventions – guidance ([NG183](#))
- AnaConDa-S for sedation with volatile anaesthetics in intensive care Medtech innovation briefing [[MIB229](#)] (a volatile anaesthetic delivery system for use with ventilators to allow people to be sedated using inhaled anaesthetics (isoflurane or sevoflurane))

Public Health England

- Guidance on the use of diphtheria anti-toxin - [link](#)
- Framework of actions to contain carbapenemase-producing Enterobacterales - [link](#)

Specialist Pharmacy Services

- Q&A: Is there an interaction between erythromycin and statins? - [link](#)
- Suggestions for Therapeutic Drug Monitoring in Adults in Primary Care - [link](#)
- Reproductive Health Patient Group Direction (PGD) Templates: Insertion of etonogestrel and administration of lidocaine hydrochloride 1% injection - [link](#)

MEDICATION SAFETY

electronic Medicines Compendium (eMC) (UK)

- Revised SPCs
- Lynparza ([olaparib](#)) – updated to include angioedema and erythema nodosum as common and rare adverse events, respectively.
- Eylea ([aflibercept](#))- updated to include retinal haemorrhage as a very common adverse effect.
- Exocin ([ofloxacin](#)) Eye Drops - warns that the preservative, benzalkonium chloride, may cause symptoms of dry eyes, and may affect the tear film and corneal surface. Caution required in dry eyes and where the cornea may be compromised. Monitor patients in case of prolonged use.
- Tagrisso ([osimertinib](#))- Cutaneous vasculitis added as a new adverse drug reaction.
- Bavencio ([avelumab](#))- Myasthenia gravis added as an uncommon immune-related adverse event.
- Cosentyx ([secukinumab](#))- revised to include headache, nausea and fatigue as common ($\geq 1/100$ to $< 1/10$) adverse effects.
- Fobumix ([budesonide, formoterol fumarate dehydrate](#)) Easyhaler – dysphonia (abnormal voice) including hoarseness added as a common ($\geq 1/100$ to $< 1/10$) adverse drug reaction.
- Imigran ([sumatriptan](#)) preparations- dysphagia added as a adverse effect (frequency unknown).
- Sevodyne ([buprenorphine](#)) transdermal patch - now warns of risk of serotonin syndrome when co-administered with other serotonergic agents, e.g. MAO inhibitors, SSRIs, SNRIs or tricyclic antidepressants. If co-administration is warranted, advise careful observation, especially during initiation and dose increases.

EMA

- EMA reminds physicians to use Tecentriq with nab-paclitaxel for treating breast cancer - [link](#)

Food and Drug Administration (FDA) USA

- Real-world Evidence from a Narrow Therapeutic Index Product (Levothyroxine) Reflects the Therapeutic Equivalence of Generic Drug Products - [link](#)
- Updates and Press Announcements on NDMA in Metformin - [link](#)
- Safe Opioid Disposal – Remove the Risk Outreach Toolkit - [link](#)
- FDA Drug Safety Podcasts:
 - serious problems with high doses of diphenhydramine (Benadryl) - [link](#) (podcast [link](#))
 - Boxed Warning to improve safe use of benzodiazepine drug class - [link](#) (Podcast [link](#))

Institute for Safe Medication Practices (ISMP) USA

- Medication Safety Alert! [October 8, 2020](#)
- Safety Investigations from Across the Pond: Deep Learning from England's Healthcare Safety Investigation Branch (HSIB)
- Anticoagulant Citrate Dextrose Solution, Formula A bags will have barcode, but not sure when
- Area to tear open patch wrapper can destroy the barcode
- Ready to use but not ready to administer
- Helping patients avoid insulin pen mix-ups

MIMS

- [Recent](#) changes/updates to PI's:

- Colchicine (Colgout) now contraindicated in patients with renal or hepatic impairment who are taking a P-glycoprotein inhibitor or strong CYP3A4 inhibitor.
- Dapoxetine (Priligy) now contraindicated in patients with a history of syncope, mania or severe depression.
- Lercanidipine HCl (Zanidip) now contraindicated in patients with left ventricular outflow tract obstruction; untreated congestive cardiac failure; unstable angina pectoris or recent myocardial infarction (within 1 month); severe renal impairment (GFR < 30 mL/min) including patients undergoing dialysis; and coadministration with strong CYP3A4 inhibitors, grapefruit or grapefruit juice.
- Linagliptin/metformin HCl (Trajentamet) now contraindicated in patients with severe renal failure (ClCr < 30 mL/min), which may also result from conditions such as cardiovascular collapse (shock), acute myocardial infarction, and septicaemia.
- Telmisartan/hydrochlorothiazide (Micardis Plus) now contraindicated in patients with coma hepaticum, hepatic precoma; acute glomerulonephritis; therapy-refractory hyponatraemia; hypovolaemia; and symptomatic hyperuricaemia or gout.
- Terlipressin (acetate) (Glypressin) now contraindicated in patients with current or recent ischaemic cardiovascular disease.

TGA

- Maxman XI tablets pose a serious risk to your health and should not be taken - [link](#)

PAPERS OF INTEREST

Age and Ageing

- Deprescribing in older people approaching end-of-life: development and validation of STOPPFrail version 2 - [link](#)

American Diabetes Association - Diabetes care

- Statin Therapy and Risk of Polyneuropathy in Type 2 Diabetes: A Danish Cohort Study - [link](#)

American Heart Journal

- Non-vitamin K antagonist oral anticoagulants in very elderly east Asians with atrial fibrillation: A nationwide population-based study - [link](#)

American Journal of Cardiology

- Meta-Analysis of Inclisiran for the Treatment of Hypercholesterolemia - [link](#)

American Journal of Health-System Pharmacy (AHJP)

- Warfarin dose adjustment required after cannabidiol initiation and titration - [link](#)
- Clinical pharmacy and obstetrics - [link](#)
- Impact of antibiotic choice on readmission in adults experiencing an acute COPD exacerbation - [link](#)
- Embracing the role of artificial intelligence in the medication-use process - [link](#)

Annals of Internal Medicine

- Management of Dyslipidemia for Cardiovascular Disease Risk Reduction: Synopsis of the 2020 Updated U.S. Department of Veterans Affairs and U.S. Department of Defense Clinical Practice Guideline - [link](#)
- Effects of Interleukin-1 β Inhibition on Incident Hip and Knee Replacement. Exploratory Analyses from a Randomized, Double-Blind, Placebo-Controlled Trial - [link](#)
- World Health Organization Guidelines on Treatment of Hepatitis C Virus Infection: Best Practice Advice from the American College of Physicians - [link](#)

Arthritis and Rheumatology

- The Effects of Vitamin D and Marine Omega-3 Fatty Acid Supplementation on Chronic Knee Pain in Older US Adults: Results from a Randomized Trial- [link](#)
- Reduction in Osteoarthritis Risk after Treatment with Ticagrelor Compared to Clopidogrel: A Propensity Score–Matching Analysis - [link](#)

Australasian Emergency Care

- Translation of evidence into policy to improve clinical practice: the development of an emergency department rapid response system - [link](#)

Australian Health Review

- Queensland Digital Health Clinical Charter: a clinical consensus statement on priorities for digital health in hospitals - [link](#)
- Digital transformation of the emergency department-inpatient interface (EDii): integration for future innovation - [link](#)
- Review of electronic discharge summaries from the general medicine, general surgery and mental health streams at a tertiary hospital: retrospective analysis of timeliness, brevity and completeness - [link](#)
- Factors affecting hepatitis C treatment intentions among Aboriginal people in Western Australia: a mixed-methods study - [link](#)

BMC Health Services Research

- A stepped wedge trial of efficacy and scalability of a virtual clinical pharmacy service (VCPS) in rural and remote NSW health facilities - [link](#)

Bone and Joint Journal

- Systematic review assessing the evidence for the use of stem cells in fracture healing - [link](#)

British Journal of Clinical Pharmacology

- Medication use among older people in Europe: Implications for regulatory assessment and co-prescription of new medicines - [link](#)
- Review: Developing patient-centric medicines for older people: Reflections from the draft EMA paper on the pharmaceutical development of medicines for use in the older population - [link](#)

British Journal of General Practice

- Impact of lowering the risk threshold for statin treatment on statin prescribing: a descriptive study in English primary care - [link](#)
- Pregnancy protection and pregnancies in women prescribed ACE inhibitors or ARBs: a cross-sectional study in primary care - [link](#)

British Medical Journal (BMJ)

- Fifteen year quality of life outcomes in men with localised prostate cancer: population based Australian prospective study - [link](#)
- Practice: Giving oral medicines and supplements to children - [link](#)
- Practice: Autonomic dysreflexia in spinal cord injury - [link](#)

British Medical Journal (BMJ) Gut

- Major GI bleeding in older persons using aspirin: incidence and risk factors in the ASPREE randomised controlled trial - [link](#)

British Medical Journal (BMJ) Open

- Developing a behavioural intervention package to identify and amend incorrect penicillin allergy records in UK general practice and subsequently change antibiotic use - [link](#)

Circulation

- Cardiorenal Protection with the Newer Antidiabetic Agents in Patients with Diabetes and Chronic Kidney Disease: A Scientific Statement from the American Heart Association - [link](#)

Cochrane

- Branched-chain amino acid supplementation for improving growth and development in term and preterm neonates - [link](#)
- Calcium channel blockers for people with chronic kidney disease requiring dialysis - [link](#)
- Certolizumab pegol for maintenance of remission in Crohn's disease - [link](#)
- Non-vitamin K antagonist oral anticoagulants (NOACs) after transcatheter aortic valve replacement (TAVR): a network meta-analysis - [link](#)
- Appendectomy versus antibiotic treatment for acute appendicitis - [link](#)
- Interventions for escalation of therapy for acute exacerbations of asthma in children: an overview of Cochrane Reviews - [link](#)

- Glucose-lowering agents for treating pre-existing and new-onset diabetes in kidney transplant recipients - [link](#)

Diabetes Care

- Glycemic Control and the Risk of Acute Kidney Injury in Patients with Type 2 Diabetes and Chronic Kidney Disease: Parallel Population-Based Cohort Studies in U.S. and Swedish Routine Care - [link](#)

European Heart Journal

- Salt and cardiovascular disease: insufficient evidence to recommend low sodium intake - [link](#)

European Journal of Hospital Pharmacy

- Assessing the quality of drug information provided by hospital pharmacies using a fictitious enquiry and simulated real-life conditions - [link](#)

- In-use stability of diluted thiamazole (methimazole) infusion solutions in prefilled 0.9% sodium chloride infusion bags for continuous infusion - [link](#)

- Effectiveness and safety of pirfenidone for idiopathic pulmonary fibrosis - [link](#)

- Effects of antifungal drugs on the plasma concentrations and dosage of tacrolimus in kidney transplant patients - [link](#)

- Effectiveness, safety and cost analysis of dalbavancin in clinical practice - [link](#)

European Journal of Preventive Cardiology

- EU-Wide Cross-Sectional Observational Study of Lipid-Modifying Therapy Use in Secondary and Primary Care: the DA VINCI study - [link](#)

Health Technology Assessment

- Selective internal radiation therapies for unresectable early-, intermediate- or advanced-stage hepatocellular carcinoma: systematic review, network meta-analysis and economic evaluation - [link](#)

Internal Medicine Journal

- A prospective analysis of stroke recognition, stroke risk factors, thrombolysis rates and outcomes in Indigenous Australians from a large rural referral hospital - [link](#)

- Risk Factors for Incident Kidney Disease in Older Adults: an Australian Prospective Population-Based Study - [link](#)

- Inpatient usage of faecal calprotectin in a tertiary hospital - [link](#)

- Review: Cytomegalovirus in inflammatory bowel disease: a clinical approach - [link](#)

International Journal of Clinical Pharmacy

- Pharmacist review of high-risk haematology outpatients to improve appropriateness of antifungal prophylaxis - [link](#)

- Potentially inappropriate medications involved in drug–drug interactions at hospital discharge in Croatia - [link](#)

- A qualitative process evaluation of the introduction of procalcitonin testing as an antimicrobial stewardship intervention - [link](#)

- Exploring the use of extended release opioids at shortened dosing intervals in people with chronic pain and high risk medication or substance use - [link](#)

International Journal for Quality in Health Care

- Sequential implementation of the EQUIPPED geriatric medication safety program as a learning health system - [link](#)

JAMA Internal Medicine

- Assessment of Availability, Clinical Testing, and US Food and Drug Administration Review of Biosimilar Biologic Products- [link](#)

- Teachable Moment: Preventing Opioid-Induced Constipation - [link](#)

JAMA Network Open

- Effect of Avoiding Cow's Milk Formula at Birth on Prevention of Asthma or Recurrent Wheeze among Young Children. Extended Follow-up From the ABC Randomized Clinical Trial - [link](#)

JAMA Ophthalmology

- Short-term Efficacy and Safety of Topical β -Blockers (Timolol Maleate Ophthalmic Solution, 0.5%) in Acute Migraine: A Randomized Crossover Trial - [link](#)
- Association of Oxymetazoline Hydrochloride, 0.1%, Solution Administration with Visual Field in Acquired Ptosis. A Pooled Analysis of 2 Randomized Clinical Trials - [link](#)
- Safety and Efficacy of Low-Dose Atropine Eyedrops for the Treatment of Myopia Progression in Chinese Children. A Randomized Clinical Trial - [link](#)

JAMA Otolaryngology–Head & Neck Surgery

- Review: Otolaryngologic Management of Chronic Cough in School-aged Children - [link](#)

JAMA Pediatrics

- Effectiveness of a Home- and School-Based Asthma Educational Program for Head Start Children with Asthma. A Randomized Clinical Trial- [link](#)
- Efficacy of Ketogenic Diet, Modified Atkins Diet, and Low Glycemic Index Therapy Diet Among Children With Drug-Resistant Epilepsy. A Randomized Clinical Trial - [link](#)
- Review: Gene and Stem Cell Therapies for Fetal Care - [link](#)

JAMA Surgery

- Tranexamic Acid During Prehospital Transport in Patients at Risk for Hemorrhage after Injury: A Double-blind, Placebo-Controlled, Randomized Clinical Trial - [link](#)
- Effect of Surgical Skin Antisepsis on Surgical Site Infections in Patients Undergoing Gynecological Laparoscopic Surgery. A Double-Blind Randomized Clinical Trial - [link](#)
- Engagement and Effectiveness of a Smoking Cessation Quitline Intervention in a Thoracic Surgery Clinic - [link](#)

Journal of Clinical Oncology

- Long-Term Follow-Up of Anti-CD19 Chimeric Antigen Receptor T-Cell Therapy - [link](#)

Journal of Pharmacy Practice and Research (JPPR)

- Preferences around communication and decision-making in deprescribing - [link](#)
- An audit of the quantity of immediate release oxycodone 5 mg tablets prescribed for discharge: an area for improved opioid stewardship? - [link](#)
- Review: Pharmacological management of Parkinson's disease in older people - [link](#)

Lancet

- Plasma ACE2 and risk of death or cardiometabolic diseases: a case-cohort analysis - [link](#)
- Management of adults with primary frozen shoulder in secondary care (UK FROST): a multicentre, pragmatic, three-arm, superiority randomised clinical trial - [link](#)

Lancet Diabetes and Endocrinology

- 2-year remission of type 2 diabetes and pancreas morphology: a post-hoc analysis of the DiRECT open-label, cluster-randomised trial - [link](#)

Lancet Gastroenterology & Hepatology

- Prevalence of irritable bowel syndrome-type symptoms in patients with inflammatory bowel disease in remission: a systematic review and meta-analysis - [link](#)

Lancet Respiratory Medicine

- Effect of a single day of increased as-needed budesonide–formoterol use on short-term risk of severe exacerbations in patients with mild asthma: a post-hoc analysis of the SYGMA 1 study - [link](#)

Molecular Diversity Preservation International (MDPI) – Pharmacy Journal

- Decision-Making Process in Comprehensive Medication Management Services: From the Understanding to the Development of a Theoretical Model - [link](#)

Medical Journal of Australia

- “No jab, no pay”: catch-up vaccination activity during its first two years – [link](#)

New England Journal of Medicine

- A Randomized Trial Comparing Antibiotics with Appendectomy for Appendicitis - [link](#)

- Early Rhythm-Control Therapy in Patients with Atrial Fibrillation - [link](#)
- HPV Vaccination and the Risk of Invasive Cervical Cancer - [link](#)
- Cardiovascular and Renal Outcomes with Empagliflozin in Heart Failure - [link](#)
- Cardiovascular Outcomes with Ertugliflozin in Type 2 Diabetes - [link](#)
- Interferon Beta-1b and Lopinavir–Ritonavir for Middle East Respiratory Syndrome - [link](#)
- Aspirin with or without Clopidogrel after Transcatheter Aortic-Valve Implantation - [link](#)
- Clinical practice: Secondary Mitral Regurgitation - [link](#)

Pediatrics

- Catheter-Associated Urinary Tract Infection Reduction in a Pediatric Safety Engagement Network - [link](#)
- An Asthma Population Health Improvement Initiative for Children with Frequent Hospitalizations - [link](#)

Pharmacotherapy

- Case Report: Acetylcysteine for the Treatment of Suspected Remdesivir-Associated Acute Liver Failure in COVID-19: A Case Series - [link](#)

Public Library of Science (PLOS)

- Association of technologically assisted integrated care with clinical outcomes in type 2 diabetes in Hong Kong using the prospective JADE Program: A retrospective cohort analysis - [link](#)

Thrombosis and Haemostasis

- Long-Term Treatment with Apixaban in Patients with Atrial Fibrillation: Outcomes during the Open-Label Extension following AVERROES- [link](#)

TAG Mail – 1 October 2020

COVID-19 RESOURCES & ARTICLES OF INTEREST

Please click this [link](#) for the cumulative listing of COVID-19 resources in past TAG Mails.

AUSTRALIAN

Australian Government Department of Health

- Management and Operational Plan for People with Disability - [link](#)
- COVID-19 National Health Plan - prescriptions via telehealth: a guide for [pharmacists](#) and guide for [prescribers](#)
- The use of face masks and respirators in the context of COVID-19 (updated) - [link](#)
- Coronavirus (COVID-19) Videos: [How to don and doff a face shield](#) and [How to clean a face shield](#)
- Information Sheets Coronavirus (COVID-19):
 - Six steps to stop the spread for [aged care residents; families and visitors](#)
 - Information for workers in residential aged care facilities - [link](#)
 - Guide to personal protective equipment (PPE) for disability care providers - [link](#)

National COVID-19 Clinical Evidence Taskforce

- New or updated recommendations as at [24/9/20](#): new recommendations on azithromycin; updates to existing guidance - convalescent plasma, ACEI/ARBs and pregnancy and perinatal care.

NSW Health Critical Intelligence Unit – Evidence checks

- Cardiopulmonary resuscitation (CPR) - [link](#)

NPS MedicineWise

- Vaccines and COVID-19 - [link](#)

INTERNATIONAL

WHO

- The COVID-19 pandemic: lessons learned for the WHO European Region: a living document, 15 September 2020 - [link](#)
- Coronavirus disease (COVID-19) science conversation: 'Science in 5' webinar series

-- Episode 1 [Herd Immunity](#); Episode 2 [SARS-CoV-2](#); Episode 3 [COVID-19 Myths Vs Science](#); Episode 4 [Reopening schools](#); Episode 5 [Vaccines](#)

Canada

CADTH

National Collaborating Centre for Methods and Tools

- Rapid Review Update 3: What is known on the potential for COVID-19 re-infection, including new transmission after recovery? - [link](#)
- Rapid Review Update 7: What is the specific role of daycares and schools in COVID-19 transmission? - [link](#)
- Rapid Review: Food security: What is the impact of COVID-19 and related public health measures? - [link](#)

UK

Alzheimer's Society

- Worst hit: dementia during coronavirus - [report](#)

GOV.UK

- JCVI: updated interim advice on priority groups for COVID-19 vaccination - [report](#)

Medicine Quality Research Group, Centre of Tropical Medicine & Global Health

- Medical Product Quality Report – COVID-19 Issues - [link](#)

NHS

- Dementia wellbeing in the COVID-19 pandemic - [link](#)

Royal College of Paediatrics and Child Health

- National guidance for the management of children with bronchiolitis and lower respiratory tract infections during COVID-19 - [link](#)
- COVID-19 - guidance for paediatric services (updated) - [link](#)

USA

FDA

- COVID-19 Update: FDA Authorizes First Point-of-Care Antibody Test for COVID-19 - [link](#)
- Webinar Series - Respirators and Other Personal Protective Equipment (PPE) for Health Care Personnel Use during the COVID-19 Pandemic. 13/10/20 12pm to 1pm ET - [Link](#)

JOURNAL ARTICLES

American Journal of Health-System Pharmacy (AHJP)

- ASHP principles for COVID-19 vaccine distribution, allocation, and mass immunization - [link](#)

American Journal of Hospice and Palliative Medicine

- COVID-19 Pandemic Response: Development of Outpatient Palliative Care Toolkit Based on Narrative Communication - [link](#)

Annals of Internal Medicine

- Convalescent Plasma for the Treatment of COVID-19: Perspectives of the National Institutes of Health COVID-19 Treatment Guidelines Panel - [link](#)

Australian Health Review

- Documenting COVID-19 screening before surgery during lockdown (COVID Screen): an audit with routinely collected health data - [link](#)

Cochrane

- Signs and symptoms to determine if a patient presenting in primary care or hospital outpatient settings has COVID-19 disease - [link](#)

Drug Safety

- Renin–Angiotensin–Aldosterone System Inhibitors and Risk of Death in Patients Hospitalised with COVID-19: A Retrospective Italian Cohort Study of 43,000 Patients - [link](#)

Emerging Infectious Diseases

- Coronavirus Disease Model to Inform Transmission Reducing Measures and Health System Preparedness, Australia - [link](#)

Focus on Fluids

- Effects of ventilation on the indoor spread of COVID-19 - [link](#)

International Journal of Clinical Pharmacy

- The therapeutic effects of traditional Chinese medicine on COVID-19: a narrative review - [link](#)

JAMA

- Viewpoints: COVID-19 and [cardiology](#), [dermatology](#), [health forum](#), [internal medicine](#), [nephrology](#), [neurology](#), [oncology](#), [ophthalmology](#), [otolaryngology–head and neck surgery](#), [paediatrics](#), [psychiatry](#), and [surgery](#)
- Letter: Gastrointestinal Complications in Critically Ill Patients With and Without COVID-19 - [link](#)

JAMA Network

- Viewpoint: JAMA Network Open and COVID-19 - [link](#)

JAMA Internal Medicine

- Letter: The Exclusion of Older Persons from Vaccine and Treatment Trials for Coronavirus Disease 2019—Missing the Target - [link](#)
- Efficacy and Safety of Hydroxychloroquine vs Placebo for Pre-exposure SARS-CoV-2 Prophylaxis among Health Care Workers: A Randomized Clinical Trial - [link](#)

Journal of Clinical Pharmacology

- COVID-19 Severity and Outcomes in Patients with Cancer: A Matched Cohort Study - [link](#)

Journal of Steroid Biochemistry and Molecular Biology

- Effect of calcifediol treatment and best available therapy versus best available therapy on intensive care unit admission and mortality among patients hospitalized for COVID-19: A pilot randomized clinical study - [link](#)

Lancet

- Lessons learnt from easing COVID-19 restrictions: an analysis of countries and regions in Asia Pacific and Europe - [link](#)
- Extracorporeal membrane oxygenation support in COVID-19: an international cohort study of the Extracorporeal Life Support Organization registry - [link](#)

Lancet Gastroenterology & Hepatology

- Outcomes following SARS-CoV-2 infection in liver transplant recipients: an international registry study - [link](#)

Lancet Respiratory Medicine

- Risk of COVID-19-related death among patients with chronic obstructive pulmonary disease or asthma prescribed inhaled corticosteroids: an observational cohort study using the OpenSAFELY platform - [link](#)

Lancet Rheumatology

- Clinical criteria for COVID-19-associated hyperinflammatory syndrome: a cohort study - [link](#)

Virology Journal

- Favipiravir versus other antiviral or standard of care for COVID-19 treatment: a rapid systematic review and meta-analysis - [link](#)

New England Journal of Medicine

- Safety and Immunogenicity of SARS-CoV-2 mRNA-1273 Vaccine in Older Adults - [link](#)

REPORTS AND PUBLICATIONS – AUSTRALIA

Australian Commission on Safety and Quality in Health Care (ACSQHC)

- Antimicrobials report reveals consistently high use areas in major cities - [link](#). Full Antimicrobial medicines dispensing from 2013–14 to 2017–18 report can be found [here](#)

Australian Institute for Health and Welfare (AIHW)

- Dementia data gaps and opportunities - [link](#)
- Suicide & self-harm monitoring - [link](#)
- New release from the Australian Institute of Health and Welfare: Medicare-subsidised GP, allied health and specialist health care across local areas: 2013–14 to 2018–19 - [link](#)

NSW Health Intranet

- Guideline: Public Homebirth Services in NSW (replaces Maternity– Public Homebirth Services) - [link](#)

PBS

- Revised opioids PBS listings from 1 October 2020 - [link](#)

TGA

- Safety advisory - contains dangerous levels of lead and other heavy metals in the Ayurvedic medicine Manasmithra Vatika (Manasamitram Pills) - [link](#)
- Notice of final decision to amend the current Poisons Standard in relation to melatonin - [link](#)
- Notification of amendments to the Poisons Standard in relation to New Chemical Entities (NCEs) and Salbutamol - [link](#)
- Product defect correction: Aerowipe Cleansing Wipes (supplied in some first aid kits) – potential mould contamination - [link](#)
- Declaration that certain sports supplements are therapeutic goods - [link](#)
- AusPARs:
-- [Adalimumab](#) (Idacio[®]) – new biosimilar medicine
-- [Venetoclax](#) (Venclexta[®]) – extension of indications
-- [Akynzeo IV](#)[®] (Fosnetupitant (as chloride hydrochloride)/palonosetron hydrochloride) – new fixed dose combination of previously approved active ingredients.
- Registration of [new or extended uses](#) of registered medicine:
-- [Cannabidiol \(Epidyolex[®]\)](#) oral liquid indicated for use as adjunctive therapy of seizures associated with Lennox-Gastaut syndrome (LGS) or Dravet syndrome (DS) for patients 2 years of age and older.

REPORTS AND PUBLICATIONS – INTERNATIONAL

All Wales Medicines Strategy Group

- [Bedaquiline](#) (Sirturo[®]) – recommended as an option for use as part of an appropriate combination regimen for pulmonary multidrug-resistant tuberculosis
- [Doravirine](#) (Pifeltro[®]) and Doravirine/lamivudine/tenofovir disoproxil fumarate ([Delstrigo](#)[®]) - recommended as an option for use, in combination with other antiretroviral products, for the treatment of adults infected with HIV-1 without past or present evidence of resistance to the NNRTI class.

Canadian Agency for Drugs and Technologies in Health

- Rapid Response:
-- Virtual Health Care for Adults with Schizophrenia and/or Psychosis: Clinical Effectiveness and Guidelines - [link](#)
-- Management of Discontinued Treatment for Tuberculosis: Guidelines - [link](#)
-- Nusinersen for Adolescents and Adults with Spinal Muscular Atrophy: A Review of Clinical Effectiveness - [link](#)

electronic Medicines Compendium (eMC) (UK)

- New licensed products
-- Syncrodin ([melatonin](#)) 3 mg film-coated tablets - Licensed for short-term treatment of jet-lag in adults. Standard dose is 3 mg (1 tablet) daily for a maximum of 5 days with first dose to be taken on arrival at destination at the habitual bed-time.

- Daurismo ([glasdegib](#)) tablets - an inhibitor of the Hedgehog signal transduction pathway- in combination with low-dose cytarabine, for treatment of newly diagnosed de novo or secondary acute myeloid leukaemia in adult patients who are not candidates for standard induction chemotherapy.
- Prevymis ([letermovir](#))- for prophylaxis of cytomegalovirus (CMV) reactivation and disease in adult seropositive recipients of an allogeneic haematopoietic stem cell transplant.
- Ruxience ([rituximab](#)) - biosimilar for range of indications of the reference product, MabThera

Food and Drug Administration (FDA) USA

- Updated information
- [Ivacaftor](#) (Kalydeco®) Updated indications - for the treatment of cystic fibrosis (CF) in patients age 4 months and older who have one mutation in the CFTR gene that is responsive to ivacaftor based on clinical and/or in vitro assay data.
- [Cifederocol](#) (Fetroja®) – updated prescribing information.
- New Drug approvals
- Mepolizumab (Nucala®) for Hypereosinophilic Syndrome - [link](#)

NHS England

- Plerixafor for stem cell mobilisation in adults and children - [link](#)
- Rituximab and eculizumab for the prevention and management of delayed haemolytic transfusion reactions and hyperhaemolysis in patients with haemoglobinopathies - [link](#)
- Vonicog alfa for the treatment and prevention of bleeding in adults with von Willebrand disease - [link](#)

National Institute for Health and Clinical Excellence (NICE) UK

- Pembrolizumab with axitinib for untreated advanced renal cell carcinoma – guidance ([TA650](#))

RAND Europe

- A rapid evidence review: What influences improvement processes in healthcare? - [link](#)

Scottish Intercollegiate Guideline Network (SIGN) UK

- Management of suspected bacterial lower urinary tract infection in adult women - [link](#)

Specialist Pharmacy Services

- Medicine use in diving: what information is available? - [link](#)
- Can oral bisphosphonates be given to people with renal impairment to treat osteoporosis? - [link](#)
- The Use of Generic Anti Epileptics Drugs in Patients with Epilepsy - [link](#)

The National Academies Press

- Integrating Systems and Sectors toward Obesity Solutions: Proceedings of a Workshop—in Brief - [link](#)

MEDICATION SAFETY

electronic Medicines Compendium (eMC) (UK)

- Revised SPCs
- Ventolin ([salbutamol](#)) Nebules & Atrovent ([ipratropium](#)) respirator solutions - now advises private purchase of nebuliser devices for use at home to deliver rescue therapy for acute treatment of asthma in children & adolescents is not recommended; only respiratory specialists should initiate and clinically manage their use in this setting.
- Kevzara ([sarilumab](#)) pre-filled pen - now advises that most patients who developed GI perforations on sarilumab were taking concomitant NSAIDs, corticosteroids, or methotrexate, but their contribution relative to sarilumab in development of the adverse event is not known.
- Efexor XL ([venlafaxine](#)) capsules - updated regarding discontinuation of treatment with venlafaxine. Suicide/suicidal thoughts and aggression have been reported during changes in dose and, during discontinuation therefore patients should be closely monitored. Risk of withdrawal symptoms may be dependent on duration and dose of therapy and rate of dose reduction.
- Humalog ([insulin lispro](#)) products – now advises patients must continuous rotate injection site to reduce risk of developing lipodystrophy and cutaneous amyloidosis. There is a potential risk of delayed insulin absorption and worsened glycaemic control at sites with these reactions.

- [Trelegy Ellipta](#) (fluticasone furoate/umeclidinium bromide/vilanterol trifenate) inhalation powder - updated with adverse reactions of hypersensitivity reactions, including anaphylaxis, angioedema, urticaria, and rash.
- Indipam XL ([indapamide](#))- erectile dysfunction added as an adverse reaction (unknown frequency).
- Bupeaze ([buprenorphine](#)) Transdermal Patches & Buvidal ([buprenorphine](#)) prolonged-release injection - revised to warn concomitant administration of buprenorphine and other serotonergic agents (e.g. SSRIs and TCAs) may result in serotonin syndrome.
- Copaxone ([glatiramer](#))- rare cases of severe liver injury (including cases heading to liver transplantation) reported from days to years after initiating treatment. In case of clinically significant liver injury, consider discontinuation.
- Crestor ([rosuvastatin](#)) tablets - Concomitant use with sofosbuvir/velpatasvir/voxilaprevir now contraindicated. Also caution advised with medicines which increase the AUC of rosuvastatin by less than 2 fold, though no starting dose reduction is required.
- Livial ([tibolone](#))- updated warnings regarding increased risk of breast cancer after HRT cessation (corresponds to duration of treatment). Increased risk in users of oestrogen-only and tibolone is lower than seen in users of oestrogen-progestogen combinations.
- [Loperamide](#) tablets - now highlights that caution in patients with a history of drug abuse as loperamide is an opioid and addiction is observed with opioids as a class.

Food and Drug Administration (FDA) USA

- FDA warns about serious problems with high doses of the allergy medicine diphenhydramine (Benadryl) - [link](#)
- [Labeling Changes for Benzodiazepines](#): FDA requiring an update to the [Boxed Warning](#), its most prominent safety warning, and requiring class-wide labelling changes for benzodiazepines to include the risks of abuse, misuse, addiction, physical dependence and withdrawal reactions to help improve their safe use
- FDA Alerts of Perrigo's voluntary albuterol inhaler recall - [link](#)

GOV.UK

- UK regulator strengthens opioid warnings - [link](#)
- Guidance: Opioid medicines and the risk of addiction- [link](#)

Health Canada

- Health Product InfoWatch, [September 2020](#)
- MedEffect Notices
- Summary Safety Review: Mesalazine-containing products - Assessing the Potential Risk of Birth Defects - [link](#)
- Fibrisal ([ulipristal](#)) acetate tablets, 5 mg) - Voluntary Withdrawal in Canada due to Risk of Liver Injury

Healthcare Safety Investigation Branch (UK)

- Investigation into the role of clinical pharmacy services in helping to identify and reduce high-risk prescribing errors in hospital - [link](#)

Institute for Healthcare Improvement

- National Action Plan to Advance Patient Safety - [link](#)

International Pharmaceutical Federation (FIP)

- FIP statement of policy on medicines shortages - [link](#)

Medicines and Healthcare products Regulatory Agency (MHRA) UK

- Drug Safety Updates:
 - Insulins (all types): risk of cutaneous amyloidosis at injection site - [link](#)
 - Methotrexate once-weekly for autoimmune diseases: new measures to reduce risk of fatal overdose due to inadvertent daily instead of weekly dosing - [link](#)
 - Opioids: risk of dependence and addiction ([guidance](#) and [safety leaflet](#)) - [link](#)
 - Transdermal fentanyl patches for non-cancer pain: do not use in opioid-naive patients - [link](#)
- Healthcare Professional Communication Letters
 - Wockhardt UK's Amoxicillin Sodium 250mg, 500mg and 1g Injection - Increased reports of extravasation and injection site reactions - [link](#)

-- Temporary supply of a different presentation and changes to the instructions for Ativan 4mg/ml Solution for Injection (Lorazepam) - [link](#)

Medsafe (New Zealand Medicines and Medical Devices Safety Authority)

- Safety Information: Possible risk of psoriasis exacerbation with bupropion - [link](#)
- Consultation: Outcome of the consultation on the proposed warning statements for substances (e.g. allergens) in medicines that may cause undesirable reactions - [link](#)

TGA

- The Poisons Standard (the SUSMP), new edition has been registered on the Federal Register of Legislation (FRL) as Poisons Standard October 2020 - [link](#)

PAPERS OF INTEREST

American Journal of Cardiology

- Five-Year Outcomes and Prognostic Value of Feature-Tracking Cardiovascular Magnetic Resonance in Patients Receiving Early Pre-reperfusion Metoprolol in Acute Myocardial Infarction - [link](#)

American Journal of Health-System Pharmacy (AHJP)

- Physical compatibility of milrinone 1 mg/mL with select cardiovascular medications during simulated Y-site administration - [link](#)
- Compatibility of medications with intravenous lipid emulsions: Effects of simulated Y-site mixing - [link](#)

American Journal of Medicine

- The Effect of Calcium Channel Blockers on Moderate or Severe Albuminuria in Diabetic, Hypertensive Patients - [link](#)

Annals of Internal Medicine

- Key Evidence Supporting Prescription Opioids Approved by the U.S. Food and Drug Administration, 1997 to 2018 - [link](#)

Arthritis and Rheumatology

- Expert Perspective: An Evidence-Based Approach to Refractory Cutaneous Lupus Erythematosus - [link](#)

BMJ Quality and Safety

- Editorial: What current and missing data can teach us about medication errors - [link](#)
- Editorial: Addressing the ignored complication: chronic opioid use after surgery - [link](#)

British Medical Journal (BMJ)

- Sodium glucose cotransporter 2 inhibitors and risk of major adverse cardiovascular events: multi-database retrospective cohort study - [link](#)
- Central fatness and risk of all-cause mortality: systematic review and dose-response meta-analysis of 72 prospective cohort studies - [link](#)
- Serum 25-hydroxyvitamin D level in relation to weight change and the risk of weight gain in adults of normal weight at baseline: the Norwegian HUNT cohort study - [link](#)

BMJ Gut

- Regular use of proton pump inhibitors and risk of type 2 diabetes: results from three prospective cohort studies - [link](#)

BMJ Thorax

- Morbidity and mortality associated with prescription cannabinoid drug use in COPD - [link](#)

Chest

- A Systematic Review of the Effect of Delayed Appropriate Antibiotic Treatment on the Outcomes of Patients with Severe Bacterial Infections - [link](#)

Cochrane

- Phytomedicines (medicines derived from plants) for sickle cell disease - [link](#)
- Anti-cytokine targeted therapies for ANCA-associated vasculitis - [link](#)
- Interventions for preventing mastitis after childbirth - [link](#)
- Pine bark (Pinus spp.) extract for treating chronic disorders - [link](#)
- Alcohol intake reduction for controlling hypertension - [link](#)
- Vitamin A and fish oils for preventing the progression of retinitis pigmentosa – [link](#)
- Progestogen-releasing intrauterine systems for heavy menstrual bleeding - [link](#)
- Interventions to prevent women from developing gestational diabetes mellitus: an overview of Cochrane Reviews - [link](#)
- Telephone interventions for symptom management in adults with cancer - [link](#)
- Vitamin K supplementation for cystic fibrosis - [link](#)
- Interventions for treating people with symptoms of bladder pain syndrome: a network meta-analysis - [link](#)
- Vigabatrin add-on therapy for drug-resistant focal epilepsy - [link](#)

Diabetes Care

- Metformin Use Is Associated With Slowed Cognitive Decline and Reduced Incident Dementia in Older Adults with Type 2 Diabetes: The Sydney Memory and Ageing Study - [link](#)
- Antidiabetes Agents and Incident Depression: A Nationwide Population-Based Study - [link](#)

Diabetes, Obesity and Metabolism

- Sodium-glucose co-transporter-2 inhibitors and major adverse limb events: A trial-level meta-analysis including 51 713 individuals - [link](#)

Drug and Therapeutics Bulletin

- Review: Three new drugs for the prevention of migraine - [link](#)

European Journal of Hospital Pharmacy

- Incidence and associated risk factors of antituberculosis drug-induced hepatotoxicity among hospitalised patients in Wuhan, China - [link](#)
- Short Report: Dabigatran trough concentrations in very elderly patients - [link](#)
- Protocol: Multiprofessional intervention to improve adherence to medication in stroke patients: a study protocol for a randomised controlled trial (ADMED AVC study) - [link](#)
- Assessment of the stability of citrate-buffered piperacillin/tazobactam for continuous infusion when stored in two commercially available elastomeric devices for outpatient parenteral antimicrobial chemotherapy: a study compliant with the NHS Yellow Cover Document requirements - [link](#)

Health Expectations

- 'It just wasn't going to be heard': A mixed methods study to compare different ways of involving people with diabetes and health-care professionals in health intervention research - [link](#)
- A systematic review of factors associated with side-effect expectations from medical interventions - [link](#)

Health Technology Assessment

- Imiquimod versus podophyllotoxin, with and without human papillomavirus vaccine, for anogenital warts: the HIPvac factorial RCT - [link](#)

Internal Medicine Journal

- Evaluation of inpatient oxygen therapy in hypercapnic chronic obstructive pulmonary disease (COPD) - [link](#)
- Review: Medical and Surgical Treatment of Thyroid Eye Disease - [link](#)
- Hepatitis B in the Northern Territory: insights into the changing epidemiology of an ancient condition - [link](#)

International Journal of Clinical Pharmacy

- The effect of medication related clinical decision support at the time of physician order entry - [link](#)
- Colistin co-administration with other nephrotoxins: experience of teaching hospital of Latvia - [link](#)
- Evaluation of the safety and efficacy of low-dose rasburicase in critically ill children with haematological malignancies - [link](#)

- Evaluation of a trough-only extrapolated area under the curve vancomycin dosing method on clinical outcomes - [link](#)
- Pharmaceutical opioids utilisation by dose, formulation, and socioeconomic status in Queensland, Australia: a population study over 22 years - [link](#)
- Meta-analysis of clinical trials to assess denosumab over zoledronic acid in bone metastasis - [link](#)

JAMA Cardiology

- Report: Effect of Clopidogrel and Aspirin vs Aspirin alone on Migraine Headaches after Transcatheter Atrial Septal Defect Closure. One-Year Results of the CANOA Randomized Clinical Trial - [link](#)
- Rivaroxaban and Aspirin in Patients with Symptomatic Lower Extremity Peripheral Artery Disease A Subanalysis of the COMPASS Randomized Clinical Trial - [link](#)

JAMA Dermatology

- Efficacy and Safety of Baricitinib Combined With Topical Corticosteroids for Treatment of Moderate to Severe Atopic Dermatitis: A Randomized Clinical Trial - [link](#)
- Association of Secukinumab Treatment with Tuberculosis Reactivation in Patients With Psoriasis, Psoriatic Arthritis, or Ankylosing Spondylitis - [link](#)

JAMA Network Open

- Association of Staphylococcus aureus Colonization and Pneumonia in the Intensive Care Unit - [link](#)
- Assessment of Prescription Analgesic Use in Older Adults with and without Chronic Kidney Disease and Outcomes - [link](#)

JAMA Neurology

- Trends in Reperfusion Therapy for In-Hospital Ischemic Stroke in the Endovascular Therapy Era - [link](#)

JAMA Oncology

- Evaluation of Daratumumab for the Treatment of Multiple Myeloma in Patients with High-risk Cytogenetic Factors. A Systematic Review and Meta-analysis - [link](#)
- Review: Rationale for Immune Checkpoint Inhibitors Plus Targeted Therapy in Metastatic Melanoma - [link](#)

JAMA Psychiatry

- Associations between Prenatal Cannabis Exposure and Childhood Outcome. Results From the ABCD Study - [link](#)

JAMIA (Journal of the American Medical Informatics Association)

- A machine learning–based clinical decision support system to identify prescriptions with a high risk of medication error - [link](#)

Journal of the Australian Healthcare & Hospitals Association

- Review of electronic discharge summaries from the general medicine, general surgery and mental health streams at a tertiary hospital: retrospective analysis of timeliness, brevity and completeness - [link](#)
- From benefits idealisation to value optimisation: application in the digital health context - [link](#)

Journal of Palliative Medicine

- Polypharmacy in Palliative Care: Two Deprescribing Tools Compared with a Clinical Review - [link](#)

Journal of Pharmacy Practice and Research (JPPR)

- Letter to the editor: Validating the Victorian partnered pharmacist charting model in the Western Australian setting - [link](#)

Lancet

- Gabapentin for chronic pelvic pain in women (GaPP2): a multicentre, randomised, double-blind, placebo-controlled trial - [link](#)
- Efficacy and safety of trimetazidine after percutaneous coronary intervention (ATPCI): a randomised, double-blind, placebo-controlled trial - [link](#)

Lancet Child & Adolescent Health

- High-dose and low-dose varenicline for smoking cessation in adolescents: a randomised, placebo-controlled trial - [link](#)

Lancet Diabetes and Endocrinology

- Effects of once-weekly subcutaneous semaglutide on kidney function and safety in patients with type 2 diabetes: a post-hoc analysis of the SUSTAIN 1–7 randomised controlled trials - [link](#)

Lancet Gastroenterology & Hepatology

- Hepatocellular carcinoma incidence with tenofovir versus entecavir in chronic hepatitis B: a systematic review and meta-analysis - [link](#)

Lancet Public Health

- The burden of neurological diseases in Europe: an analysis for the Global Burden of Disease Study 2017 – [link](#)

Lancet Respiratory

- The genetics of asthma and the promise of genomics-guided drug target discovery - [link](#)
- Advances in understanding and reducing the burden of severe asthma in children - [link](#)

National Institute for Health Research (NIHR) Signals

- Tranexamic acid should not be used for patients with severe gastrointestinal bleeding - [link](#)

Neurology

- Natalizumab in acute ischemic stroke (ACTION II) A randomized, placebo-controlled trial - [link](#)

New England Journal of Medicine

- Dapagliflozin in Patients with Chronic Kidney Disease - [link](#)
- Early Rhythm-Control Therapy in Patients with Atrial Fibrillation - [link](#)
- Review article: Myelodysplastic Syndromes - [link](#)
- Review article: Congenital Adrenal Hyperplasia Due to 21-Hydroxylase Deficiency - [link](#)

Pharmaceutical Journal

- Evaluation of a pharmacist-led virtual thiopurine clinic - [link](#)
- National medication errors project shows reduction in hazardous prescribing - [link](#)

Prescrire – French Medical Journal

- Prescrire International, Issue number 219 October 2020 - [link](#)
-- Editorial - Hydroxychloroquine: the situation is critical - [link](#)

Public Library of Science (PLOS)

- Public investments in the clinical development of bedaquiline - [link](#)

The Journal of Law, Medicine and Ethics

- An Effective Intervention: Limiting Opioid Prescribing as a Means of Reducing Opioid Analgesic Misuse, and Overdose Deaths - [link](#)

Therapeutics and Clinical Risk Management

- Tildrakizumab: An Evidence-Based Review of Its Use in the Treatment of Moderate-to-Severe Chronic Plaque Psoriasis - [link](#)
- Review: Evaluating the Safety, Efficacy, and Therapeutic Potential of Momelotinib in the Treatment of Intermediate/High-Risk Myelofibrosis: Evidence to Date - [link](#)

Thrombosis and Haemostasis

- Review: Serpins, New Therapeutic Targets for Hemophilia - [link](#)

TAG Mail – 24 September 2020

COVID-19 RESOURCES & ARTICLES OF INTEREST

Please click this [link](#) for the cumulative listing of COVID-19 resources in past TAG Mails.

AUSTRALIAN

Australian Government Department of Health

- Guidance on the use of PPE in hospitals during the COVID-19 outbreak - [link](#)
- Media Release: Further Investment in Three New Australian COVID-19 Vaccine Research Projects - [link](#)
- Webinar: COVID-19 response update for general practitioners – 24/09/20 at 11.30am - [link](#)

National COVID-19 Clinical Evidence Taskforce

- New or updated recommendations as at 17/9/20 - [link](#): New recommendations on VTE prophylaxis for pregnant and postpartum women; Updated recommendation on dexamethasone.

NSW Health Critical Intelligence Unit – Evidence checks

- COVID-19 infection and transmission in domestic animals - [link](#)

NPS MedicineWise

- Hydroxychloroquine: did COVID-19 change GP prescribing? - [link](#)
- Podcast: Episode 14 Managing diabetes during COVID-19 - [link](#)

TGA

- Advice on face masks and gowns during COVID-19 - [link](#)

INTERNATIONAL

WHO

- The Access to COVID-19 Tools (ACT) Accelerator - [link](#)

Canada

- CADTH
 - Horizon Scan CADTH Emerging Health Technology for COVID-19: Sarilumab - [link](#)
 - The National Collaborating Centre for Methods and Tools
 - Rapid review Update 1: What is the effect of COVID-19 pandemic on opioid and substance use and related harms - [link](#)

Europe

- EMA
 - EMA endorses use of dexamethasone in COVID-19 patients on oxygen or mechanical ventilation - [link](#)
 - Treatments and vaccines for COVID-19 (updated) - [link](#)

UK

- College of Optometrists
 - Mask management: Dry eyes and misty glasses - [link](#)
- Public Health England
 - Evaluating detection of SARS-CoV-2. EDSAB-HOME study: details, research protocol and outputs - [link](#)
- Quality Care Commission
 - COVID-19 Insight: Issue 4 - [link](#)
- The Centre for Evidence-Based Medicine
 - PCR positives: what do they mean? - [link](#)
- The Kings Fund
 - Report: The courage of compassion: Supporting nurses and midwives to deliver high-quality care - [link](#)

USA

-American Society of Health-System Pharmacists (ASHP)
-- ASHP Consulting Webinar: Practice Models - Lessons Learned During the Pandemic and Future Planning, Wed, Sep 30, 2020 4:00 AM - 5:00 AM AEST - [link](#)

JOURNAL ARTICLES

Annals of Internal Medicine

- Review: Transmission of SARS-CoV-2: A Review of Viral, Host, and Environmental Factors - [link](#)

BMJ

- Perspective: Bringing drug production home: how the US is rebuilding the drug supply chain after covid-19 - [link](#)

BMJ Evidence-Based Medicine

- Biomarkers and outcomes of COVID-19 hospitalisations: systematic review and meta-analysis - [link](#)

BMJ Thorax

- Upper respiratory viral load in asymptomatic individuals and mildly symptomatic patients with SARS-CoV-2 infection - [link](#)

British Journal of Clinical Pharmacology

- Cardiovascular adverse events associated with hydroxychloroquine and chloroquine: A comprehensive pharmacovigilance analysis of pre-COVID-19 reports - [link](#)

CDC Emerging Infectious Diseases

- In-Flight Transmission of Severe Acute Respiratory Syndrome Coronavirus 2 - [link](#)

- Transmission of Severe Acute Respiratory Syndrome Coronavirus 2 during Long Flight - [link](#)

Clinical Infectious Diseases

- Methylprednisolone as Adjunctive Therapy for Patients Hospitalized with COVID-19 (Metcovid): A Randomised, Double-Blind, Phase IIb, Placebo-Controlled Trial - [link](#).

Cochrane Database of Systematic Reviews

- Universal screening for SARS-CoV-2 infection: a rapid review - [link](#)

- Travel-related control measures to contain the COVID-19 pandemic: a rapid review - [link](#)

- Quarantine alone or in combination with other public health measures to control COVID-19: a rapid review - [link](#)

- Coronavirus (COVID-19): infection control and prevention measures - [link](#)

- Antimicrobial mouthwashes (gargling) and nasal sprays administered to patients with suspected or confirmed COVID-19 infection to improve patient outcomes and to protect healthcare workers treating them - [link](#)

- Antimicrobial mouthwashes (gargling) and nasal sprays to protect healthcare workers when undertaking aerosol-generating procedures (AGPs) on patients without suspected or confirmed COVID-19 infection - [link](#)

- Use of antimicrobial mouthwashes (gargling) and nasal sprays by healthcare workers to protect them when treating patients with suspected or confirmed COVID-19 infection - [link](#)

- Coronavirus (COVID-19): evidence relevant to [critical care](#)

EClinicalMedicine

- The characteristics of COVID-19 transmission from case to high-risk contact, a statistical analysis from contact tracing data - [link](#)

European Journal of Pharmacology

- Pre-proof: Corticosteroid therapy is associated with the delay of SARS-CoV-2 clearance in COVID-19 patients- [link](#)

European Respiratory Journal

- Intravenous methylprednisolone pulse as a treatment for hospitalised severe COVID-19 patients: results from a randomised controlled clinical trial - [link](#)

JAMA

- Themed [issue](#) looks at first six months of Covid-19

JAMA Internal Medicine

- Editorial: Severe COVID-19 Infections—Knowledge Gained and Remaining Questions - [link](#)

Lancet

-Lancet Child & Adolescent Health

- A national consensus management pathway for paediatric inflammatory multisystem syndrome temporally associated with COVID-19 (PIMS-TS): results of a national Delphi process - [link](#)

- COVID-19 public health measures and respiratory syncytial virus - [link](#)

-Lancet Infectious Diseases

- Indirect effects of the COVID-19 pandemic on malaria intervention coverage, morbidity, and mortality in Africa: a geospatial modelling analysis - [link](#)

-Lancet Rheumatology

- Long-term hydroxychloroquine use in patients with rheumatic conditions and development of SARS-CoV-2 infection: a retrospective cohort study - [link](#)

Medical Journal of Australia

- Outcomes of COVID-19 patients admitted to Australian intensive care units during the early phase of the pandemic - [link](#)

- Pandemic printing: a novel 3D-printed swab for detecting SARS-CoV-2 - [link](#)

Nature Communications

- A systematic review of antibody mediated immunity to coronaviruses: kinetics, correlates of protection, and association with severity - [link](#)

- Rapid incorporation of Favipiravir by the fast and permissive viral RNA polymerase complex results in SARS-CoV-2 lethal mutagenesis - [link](#)

New England Journal of Medicine

- Perspective: “When Will We Have a Vaccine?” — Understanding Questions and Answers about Covid-19 Vaccination - [link](#)

- NEJM Journal Watch: Steroids for COVID-19: Debate continues - [link](#)

PLOS ONE

- SARS-CoV-2 positivity rates associated with circulating 25-hydroxyvitamin D levels - [link](#)

- Effects of temperature and humidity on the spread of COVID-19: A systematic review - [link](#)

Science

- Immune life history, vaccination, and the dynamics of SARS-CoV-2 over the next 5 years - [link](#)

The Pharmaceutical Journal

- Everything you need to know about the COVID-19 therapy trials - [link](#)

OTHER NEWS

10th World Pharmacists Day - 25th September 2020.

- Theme: Transforming Global Health. See [FIP](#) webpage, [SHPA poster](#)

Agency for Clinical Innovation, NSW (ACI)

- Project: Optimising Screening and Isolation for Carbapenemase-producing Enterobacterales (CPE) - this project studies the effect of a rapid CPE test on reducing the time that patients are unnecessarily placed in isolation pending screening results (Royal Prince Alfred Hospital) - [link](#)

Australian Government Department of Health

- The Australian Type 2 Diabetes Risk Assessment Tool (AUSDRISK) - [link](#)
- EOI to join the Australian Technical Advisory Group on Immunisation (closes 9/10/2020) - [link](#)
- Recent updates to the Australian Immunisation Register - [link](#)

Caring@home

- Updated [palliMEDS app](#) with new opioid calculator
- [Guidelines](#) for the handling of palliative care medicines in community services

National Asthma Council

- Australian Asthma [Handbook](#) version 2.1 published in September 2020 (addition of new recommendations, more information topics, tables and figures, as well as the revision of existing advice and information (with or without amendments))

NSW Health

- **Multicultural Health Week 2020 highlights safe use of medicines for communities** - [link](#)
- **A team has been established within the State Health Emergency Operations Centre (SHEOC) called SHEOC Aged Care** - [link](#)
- **Improving customer experience in testing** - [link](#)

SHPA

- **SHPA Position Statement - Medication safety** - [link](#)

TGA

- **Reminder: From September 2020- New warnings on labels of medicines containing neuromuscular blocking agents** - [link](#)
- **Access to nicotine-containing e-cigarettes** - [link](#)
- **Declaration that certain sports supplements are therapeutic goods** - [link](#)

UTS Student Study

- [Survey](#) to describe knowledge and/or experiences with atrial fibrillation as a pharmacist.

REPORTS AND PUBLICATIONS – AUSTRALIA

Australian and New Zealand College of Anaesthetists & Faculty of Pain Medicine (ANZCA)

- **Acute Pain Management: Scientific Evidence 5th edition – final draft open for public consultation until 16/10/20** - [link](#)

Australian Commission on Safety and Quality in Health Care (ACSQHC)

- **Informed Consent - Fact sheet for clinicians** - [link](#)

Australian Institute for Health and Welfare (AIHW)

- **Aboriginal and Torres Strait Islander-specific primary health care: results from the OSR and nKPI collections** - [link](#)

PBS

- **Simplified Chemotherapy Prescribing Arrangements** - [link](#)

TGA

- **Testing of medicinal cannabis products being supplied via SAS in Australia** - [link](#)
- **Updates to the Prescribing Medicines in Pregnancy database** - [link](#)
- **Registration of [new or extended uses](#) of registered medicine:**
-- [Larotrectinib](#) (as sulfate) Vitrakvi® - for adult and paediatric patients with locally advanced or metastatic solid tumours that have a neurotrophic tyrosine receptor kinase (NTRK) gene fusion without a known acquired resistance mutation, are metastatic or where surgical resection is likely to result in severe morbidity, and have either progressed following treatment or who have no satisfactory alternative therapy.

REPORTS AND PUBLICATIONS – INTERNATIONAL

Agency for Healthcare Research and Quality (AHRQ) USA

- **Therapies for Clinically Localized Prostate Cancer** - [link](#)
- **Developing Consistent and Useful Quality Improvement Study Data Extraction for Health Systems** - [link](#)

British National Formulary (BNF)

- **August eNewsletter: new monograph on fostamatinib and MHRA advice on apixaban, cyproterone acetate, dabigatran etexilate, edoxaban and rivaroxaban.**- [link](#)

Canadian Agency for Drugs and Technologies in Health

- Rapid Response: Management of Discontinued Treatment for Tuberculosis: Guidelines - [link](#)

Centre for Perioperative Care

- Impact of perioperative care on healthcare resource use - [link](#)

electronic Medicines Compendium (eMC) (UK)

- New products
- Fetcroja (cefiderocol sulfate tosylate)—a siderophore cephalosporin antibiotic, licensed for infections due to aerobic Gram-negative organisms in adults with limited treatment options - [link](#)
- Updated indications
- Rixathon ([rituximab](#)) - licence extension to cover induction of remission in children with severe, active granulomatosis with polyangiitis & microscopic polyangiitis, and with previously untreated advanced stage diffuse large B-cell lymphoma (LM), Burkitt LM & leukaemia or Burkitt-like LM.
- HyQvia ([human normal immunoglobulin](#)) solution for infusion for subcutaneous use - The indications have been amended to: 1) Primary immunodeficiency syndromes with impaired antibody production; and 2) Secondary immunodeficiencies in certain patients, with respective changes to posology and method of administration.

European Medicines Agency (EMA)

- First treatment for rare metabolic disorder alkaptonuria (nitisinone) - [link](#)
- New treatment for children with chronic kidney disease (sucroferric oxyhydroxide) - [link](#)
- New oral treatment for moderate to severe atopic dermatitis (baricitinib) - [link](#)

Institute for Healthcare Improvement

- National Action Plan to Advance Patient Safety - [link](#)

Medicines and Healthcare products Regulatory Agency (MHRA)

- Avelumab in the treatment of bladder cancer - [link](#)
- Risdiplam in the treatment of type 1 and type 2 spinal muscular atrophy in patients 2 months of age and older - [link](#)

NHS England

- Structured medication reviews and medicines optimisation: guidance - [link](#)

National Institute for Health and Clinical Excellence (NICE) UK

- [NG182](#) Insect bites and stings: antimicrobial prescribing
- Updated guidance [NG59](#) - Low back pain and sciatica in over 16s: assessment and management (NICE has reviewed the evidence and made new recommendations on the pharmacological management for people with sciatica, including not to offer gabapentinoids, other antiepileptics, oral corticosteroids or benzodiazepines; it also recommends against opioids for chronic sciatica)
- Guidance ([TA649](#)): Polatuzumab vedotin with rituximab and bendamustine for treating relapsed or refractory diffuse large B-cell lymphoma
- t:slim X2 insulin pump for managing blood glucose levels in type 1 diabetes - Medtech innovation briefing (MIB227) - [link](#)

Organisation for Economic Co-operation and Development (OECD)

- System governance towards improved patient safety - [link](#)
- The economics of patient safety Part III: Long-term care - [link](#)

Specialist Pharmacy Services

- Should patients drink alcohol whilst taking long-term low-dose methotrexate? - [link](#)

World Health Organisation (WHO)

- Global report on the epidemiology and burden of sepsis - [link](#)

MEDICATION SAFETY

electronic Medicines Compendium (eMC) (UK) - Revised SPCs

- Suboxone ([buprenorphine/naloxone](#)) sublingual film and Bupeaze ([buprenorphine](#)) Transdermal Patches: now warn that concomitant administration with other serotonergic agents, such as MAO inhibitors, SRIs, SNRIs or tricyclic antidepressants may result in serotonin syndrome, a potentially life-threatening condition.
- Epanutin ([phenytoin](#)): now warns that angioedema has been reported in patients treated with phenytoin and fosphenytoin. Discontinue treatment immediately if symptoms of angioedema, such as facial, perioral, or upper airway swelling occur.
- Aimovig ([erenumab](#)): now warns constipation is common undesirable effect and is usually mild/moderate in intensity. In majority of cases, onset was reported after first dose; however, patients have also experienced it later. In most cases it resolved within 3 months.
- Lemtrada ([alemtuzumab](#)): now warns that Epstein-Barr virus (EBV) infection, including reactivation and severe and sometimes fatal EBV hepatitis cases, has been reported.
- Orkambi ([lumacaftor and ivacaftor](#)): Various updates include changes to dosing recommendations for patients taking concomitant clarithromycin, telithromycin, itraconazole, ketoconazole, posaconazole or voriconazole (one sachet every other day instead of once daily), and addition of paediatric long-term safety data.
- Indipam XL ([indapamide](#)):Erectile dysfunction has been added as an adverse drug reaction
- Zofran ([ondansetron](#)): now includes information from embryo-foetal development studies in rats and rabbits, which did not show evidence of harm to the foetus when ondansetron was administered during the period of organogenesis.

Health Canada – MedEffect Notice

- Summary Safety Review: Imbruvica (ibrutinib) - [link](#)

Institute for Safe Medication Practices (ISMP) USA

- Medication Safety Alert! [September 24, 2020](#)
- Analysis of Paramedicine Medication Errors Uncovers Challenges and Opportunities for Improvement
- Properly engage the orange needle protection device
- Which TALLman letters should be used for dexmedetomidine?
- Update on phase-out schedule for legacy enteral systems
- Frequency of fentaNYL patch changes should match duration of drug delivery

PAPERS OF INTEREST

Age and Ageing

- Medication appropriateness on an acute geriatric care unit: the impact of the removal of a clinical pharmacist - [link](#)

American Diabetes Association - Diabetes care

- Changes in Management of Type 2 Diabetes Before and After Severe Hypoglycemia - [link](#)

American Journal of Health-System Pharmacy (AHJP)

- Evaluation of the reliability of MRSA screens in patients undergoing universal decolonization - [link](#)
- Assessment of impact of daily huddles and visual displays on medication delivery timeliness in a large academic medical center - [link](#)
- Demystifying artificial intelligence in pharmacy- [link](#)
- Implementation of field hospital pharmacy services during the COVID-19 pandemic- [link](#)

American Journal of Medical Quality

- Quality Improvement Project to Promote Identification and Treatment of Children with Obesity Admitted to Hospital - [link](#)

Anesthesiology

- Opioid Stewardship Program and Postoperative Adverse Events: A Difference-in-differences Cohort Study - [link](#)

Annals of Internal Medicine

- Risk for Serious Infection with Low-Dose Glucocorticoids in Patients with Rheumatoid Arthritis - A Cohort Study - [link](#)

- Management of Dyslipidemia for Cardiovascular Disease Risk Reduction: Synopsis of the 2020 Updated U.S. Dept. of Veterans Affairs and U.S. Dept. of Defense Clinical Practice Guideline - [link](#)
- Interventions to Improve Statin Tolerance and Adherence in Patients at Risk for Cardiovascular Disease. A Systematic Review - [link](#)

British Medical Journal (BMJ)

- Emerging immunotherapies in multiple myeloma - [link](#)
- Recent updates from the BNF (BNF 80) - [link](#)
- Computerised clinical decision support systems and absolute improvements in care: meta-analysis of controlled clinical trials - [link](#)
- Opportunistic screening versus usual care for detection of atrial fibrillation in primary care: cluster randomised controlled trial - [link](#)

BMJ Quality and Safety

- Quality and safety in the literature: November 2020 - [link](#)
- Assessment of a quality improvement intervention to decrease opioid prescribing in a regional health system - [link](#)

BMJ Thorax

- Asthma and all-cause mortality in children and young adults: a population-based study - [link](#)

BMJ Open

- So near yet so far: why won't the UK prescribe medical cannabis? - [link](#)

British Journal of Clinical Pharmacology

- Avoiding harm: Tackling problematic polypharmacy through strengthening expert generalist practice - [link](#)
- Commentary: Indications-based prescribing: A challenge for hospital prescribers - [link](#)

British Journal of General Practice

- Natural history of uncomplicated urinary tract infection without antibiotics: a systematic review - [link](#)

Cochrane Database of Systematic Reviews

- Magnesium for skeletal muscle cramps - [link](#)
- Treatments for breast engorgement during lactation - [link](#)
- Aural toilet (ear cleaning) for chronic suppurative otitis media - [link](#)
- Interventions for reducing red blood cell transfusion in adults undergoing hip fracture surgery: an overview of systematic reviews - [link](#)
- Probiotic treatment for women with gestational diabetes to improve maternal and infant health and well-being - [link](#)
- Tea tree oil for Demodex blepharitis - [link](#)

EClinicalMedicine

- Efficacy, safety and acceptability of a new chewable formulation versus the solid tablet of mebendazole against hookworm infections in children: open-label, randomized controlled trial - [link](#)
- Aspirin for primary prevention of ST segment elevation myocardial infarction in persons with diabetes and multiple risk factors - [link](#)

International Journal of Clinical Pharmacy

- Evaluating the impact of various medication safety risk reduction strategies on medication errors in an Australian Health Service - [link](#)
- Impact of community pharmacist-led intensive education on the control of serum phosphate levels in haemodialysis patients - [link](#)
- Redundant medication use during acute exacerbation of chronic obstructive pulmonary disease in hospitalized patients - [link](#)
- Dipeptidyl peptidase-4 inhibitors and risk of venous thromboembolism: data mining of FDA adverse event reporting system - [link](#)

JAMA

- Clinical update: Hormonal Contraception in Women with Hypertension - [link](#)

- Viewpoint: The Case for Algorithmic Stewardship for Artificial Intelligence and Machine Learning Technologies - [link](#)

JAMA Internal Medicine

- Efficacy of Smartphone Applications for Smoking Cessation: A Randomized Clinical Trial - [link](#)

JAMA Network Open

- Association between Sleep Duration and Cognitive Decline - [link](#)

- Association of Age with Risk of Kidney Failure in Adults with Stage IV CKD in Canada - [link](#)

JAMA Neurology

- In-Hospital Acute Strokes—Opportunities to Optimize Care and Improve Outcomes - [link](#)

JBHI Evidence Synthesis

- Impact of professional interpreters on outcomes for hospitalized children from migrant and refugee families with limited English proficiency: a systematic review – [link](#)

Journal of General Internal Medicine

- Deprescribing for Community-Dwelling Older Adults: a Systematic Review and Meta-analysis - [link](#)

Journal of Health Services Research & Policy

- Consequences of ‘conversations not had’: insights into failures in communication affecting delays in hospital discharge for older people living with frailty - [link](#)

- Determining when a hospital admission of an older person can be avoided in a subacute setting: a systematic review and concept analysis - [link](#)

Journal of Neurology, Neurosurgery & Psychiatry

- Paternal exposure to antiepileptic drugs and offspring outcomes: a nationwide population-based cohort study in Sweden - [link](#)

Journal of the American College of Cardiology

- Mortality in Patients with Atrial Fibrillation Receiving Non recommended Doses of Direct Oral Anticoagulants - [link](#)

Journal of the Australian Healthcare & Hospitals Association

- Economic and clinical outcomes of the nurse practitioner-led Sydney Adventist Hospital Community Palliative Care Service - [link](#)

Journal of Palliative Medicine

- Vitamin D and Fatigue in Palliative Cancer: A Cross-Sectional Study of Sex - [link](#)

Journal of Patient Safety

- Triggers Contributing to Health Care Clinicians’ Disruptive Behaviors- [link](#)

- Expert consensus on currently accepted measures of harm - [link](#)

Journal of Pharmacy Practice and Research (JPPR)

- eMedications growing across the country - [link](#)

Lancet Diabetes and Endocrinology

- Effects of once-weekly subcutaneous semaglutide on kidney function and safety in patients with type 2 diabetes: a post-hoc analysis of the SUSTAIN 1–7 randomised controlled trials - [link](#)

Lancet Haematology

- Evaluating prophylactic heparin in ambulatory patients with solid tumours: a systematic review and individual participant data meta-analysis - [link](#)

Lancet – Respiratory Medicine

- Effect of aspirin on deaths associated with sepsis in healthy older people (ANTISEPSIS): a randomised, double-blind, placebo-controlled primary prevention trial - [link](#)

MAYO Clinic Proceedings

- Effect of Omega-3 Dosage on Cardiovascular Outcomes: An Updated Meta-Analysis and Meta-Regression of Interventional Trials - [link](#)

Medical Care Research and Review

- Hospital- and System-Wide Interventions for Health Care-Associated Infections: A Systematic Review - [link](#)

National Institute for Health Research (NIHR) Signals

- More precise classification of risk in prostate cancer reveals a huge variation in treatment - [link](#)
- Terminally ill patients and their families often need more help to manage their medicines - [link](#)

New England Journal of Medicine

- Once-Weekly Insulin for Type 2 Diabetes without Previous Insulin Treatment - [link](#)
- Two-Year, Randomized, Controlled Trial of Belimumab in Lupus Nephritis - [link](#)
- Review article: Congenital Adrenal Hyperplasia Due to 21-Hydroxylase Deficiency - [link](#)
- Brief report: Antisense Inhibition of Prekallikrein to Control Hereditary Angioedema - [link](#)
- Lower-Dose Zinc for Childhood Diarrhea — A Randomized, Multicenter Trial - [link](#)

Pediatrics (American Academy of Pediatrics)

- Children's Relative Age and ADHD Medication Use: A Finnish Population-Based Study - [link](#)
- Persistent Hypertension in Children and Adolescents: A 6-Year Cohort Study - [link](#)

Public Library of Science (PLOS)

- Enhanced treatment strategies and distinct disease outcomes among autoantibody-positive and -negative rheumatoid arthritis patients over 25 years: A longitudinal cohort study in the Netherlands - [link](#)
- Age at diagnosis, glycemic trajectories, and responses to oral glucose-lowering drugs in type 2 diabetes in Hong Kong: A population-based observational study - [link](#)
- Antibiotic prescribing for lower UTI in elderly patients in primary care and risk of bloodstream infection: A cohort study using electronic health records in England - [link](#)

The Journal of the Alzheimer's Association

- Does thiamine protect the brain from iron overload and alcohol-related dementia? - [link](#)

Therapeutics and Clinical Risk Management

- Clinical Evaluation of the Safety, Efficacy and Tolerability of Lanthanum Carbonate in the Management of Hyperphosphatemia in Patients with End-Stage Renal Disease - [link](#)

Thrombosis and Haemostasis

- Editorial: Direct Oral Anticoagulant Dosing in Extremes of Body Weight: Time to Revisit the Guidelines? - [link](#)

TAG Mail – 17 September 2020

COVID-19 RESOURCES & ARTICLES OF INTEREST

Please click this [link](#) for the cumulative listing of COVID-19 resources in past TAG Mails.

AUSTRALIAN

The Australasian College for Emergency Medicine (ACEM)

- Clinical guideline for the management of COVID-19 in Australasian emergency departments V4.3 updated 4 Sep 2020 - [link](#)

CEC

Webinar: Living through a pandemic: Challenges and Lessons Learned. 17 September 2020 at 1pm - 2pm. register [here](#)

National COVID-19 Clinical Evidence Taskforce

- New or updated recommendations as at 11/9/20 - [link](#): Aprepitant; Sofosbuvir plus daclatasvir; Umifenovir; Antenatal corticosteroids

INTERNATIONAL

WHO

- Mitigating the impact of COVID-19 on control of vaccine-preventable diseases: a health risk management approach focused on catch-up vaccination - [link](#)
- Diagnostic testing for SARS-CoV-2: interim guidance, 11 September 2020 - [link](#)
- Antigen-detection in the diagnosis of SARS-CoV-2 infection using rapid immunoassays: interim guidance, 11 September 2020 - [link](#)

UK

BMJ news

- Covid-19: RECOVERY trial will evaluate “antiviral antibody cocktail” (two monoclonal antibodies) - [link](#)

GOV.UK

- REACT-1 study of coronavirus transmission: August 2020 results - [link](#)

NICE

- [NG160](#) COVID-19 rapid guideline: dialysis service delivery (updated)

Welsh Government

- Guidance: Dental management of non-COVID-19 patients - [link](#)

JOURNAL ARTICLES

Annals of Internal Medicine

- Every Body Counts: Measuring Mortality from the COVID-19 Pandemic - [link](#)
- Developing Guidelines Before, During, and After the COVID-19 Pandemic - [link](#)

ANZ Journal of Surgery

- Impact of societal restrictions and lockdown on Trauma admissions during the COVID-19 pandemic: A single centre cross-sectional observational study (Westmead hospital) - [link](#)

Arthritis and Rheumatology

- The Longitudinal Immune Response to Coronavirus Disease 2019: Chasing the Cytokine Storm - [link](#)

BMJ

- Risk stratification of patients admitted to hospital with COVID-19 using the ISARIC WHO Clinical Characterisation Protocol: development and validation of the 4C Mortality Score - [link](#)
- Review: Communication tools in the COVID-19 era and beyond which can optimise professional practice and patient care - [link](#)

Epidemiology & Infection

- Ecologic association between influenza and COVID-19 mortality rates in European countries - [link](#)
- Editorial: Convalescent plasma for COVID-19 - [link](#)

Cochrane

- Convalescent plasma or hyperimmune immunoglobulin for people with COVID-19: a rapid [review](#)
- Quarantine alone or in combination with other public health measures to control COVID-19: a rapid review - [link](#)

European Journal of Hospital Pharmacy

- Observational study on off-label use of tocilizumab in patients with severe COVID-19 - [link](#)

JAMA

- Viewpoint: COVID-19 and the path to immunity - [link](#)

JAMA Internal Medicine

- Effect of Recombinant Human Granulocyte Colony–Stimulating Factor for Patients with Coronavirus Disease 2019 (COVID-19) and Lymphopenia. A Randomized Clinical Trial - [link](#)

Lancet

- Letter: COVID-19 and fungal (aspergillosis) infection: the need for a strategic approach - [link](#)

Nature Microbiology

- Antibody-dependent enhancement and SARS-CoV-2 vaccines and therapies - [link](#)

PLOS Medicine

- Adverse outcomes and mortality in users of non-steroidal anti-inflammatory drugs who tested positive for SARS-CoV-2: A Danish nationwide cohort study - [link](#)

- COVID-19 prevention and treatment: A critical analysis of chloroquine and hydroxychloroquine clinical pharmacology - [link](#)

OTHER NEWS

****Today, Thursday September 17 is World Patient Safety Day 2020****

Theme: Safe Health Workers, Safe Patients

- See campaigns from [WHO](#), [ISQUA](#), [ECRI & ISMP](#)

- WHO Public consultation for review of draft Global Patient Safety Action Plan 2021-2030 – **closes**

29 Sep 2020 2AM AEST - [link](#)

- MJA insight article: Speaking up for patient – and health care worker – safety - [link](#)

- Webinars:

-- Psychological Safety: Why understanding voice and silence behaviours is critical to staff and patient safety (17/9/2020 08:00 PM AEST) - [link](#)

-- The Importance of Human Factors in Preventing Harm and Protecting Workers (18/9/20 2:30 AM AEST) - [link](#)

-- AIHI [presentation](#) by Prof Jeffrey Braithwaite marking World Patient Safety Day 2020

-- #uniteforsafecare Virtual Event - September 18 @ 7am AEST - [link](#)

Agency for Clinical Innovation, NSW (ACI)

- Projects:

-- Optimising Screening and Isolation for Carbapenemase-producing Enterobacterales (CPE) - this project studies the effect of a rapid CPE test on reducing the time that patients are unnecessarily placed in isolation pending screening results (Royal Prince Alfred Hospital) - [link](#)

Australian Government Department of Health

- Expressions of interest to join the Australian Technical Advisory Group on Immunisation (closes 9/10/2020) - [link](#)

- **Recent updates to the Australian Immunisation Register** - [link](#)

National Asthma Council

- **Australian Asthma [Handbook](#) version 2.1 published in September 2020** (addition of new recommendations, more information topics, tables and figures, as well as the revision of existing advice and information (with or without amendments))

NSW Health

- Multicultural Health Week 2020 highlights safe use of medicines for communities - [link](#)

TGA

- **Advertising of first aid creams containing [bufexamac](#) to cease in Australia - not to be advertised to Australian consumers from [18/9/2020](#)**

UTS Student Study

- [Survey](#) to describe knowledge and/or experiences with atrial fibrillation as a pharmacist.

REPORTS AND PUBLICATIONS – AUSTRALIA

Australian Institute for Health and Welfare (AIHW)

- Palliative care services in Australia - [link](#)
- Alcohol, tobacco & other drugs in Australia - [link](#)
- Australia's hospitals at a glance 2018-19 - [link](#)
- Mortality patterns among people using disability support services: 1 July 2013 to June 2018 - [link](#)
- Aboriginal & Torres Strait Islander-specific primary health care: results - [link](#)
- Fact sheets: Use of alcohol, tobacco and other drugs – [Aboriginal and Torres Strait islander people](#); [Alcohol use in Australia](#); [Cannabis use in Australia](#); [Illicit opioid \(heroin\) use in Australia](#); [Meth/amphetamine and other stimulant use in Australia](#); [New \(and emerging\) psychoactive substance use in Australia](#); [Non-medical use of pharmaceutical drugs in Australia](#); [Older people](#); [People experiencing homelessness](#); [People from CALD backgrounds](#); [People identifying as LGBTIQ+](#); [People in contact with criminal justice systems](#); [People who inject drugs](#); [People with mental health conditions](#); [Tobacco use in Australia](#); [Younger People](#)

Department of Health

- Biosimilar Awareness Initiative: updated with pegfilgrastim (Pelgraz®) biosimilar added to PBS- [link](#)
- The Australian Type 2 Diabetes Risk Assessment Tool (AUSDRISK) - [link](#)

NSW Health Intranet

- [PD2020_034](#): NSW Health Nurse Practitioners (16 September 2020)

PBS

- Active Ingredient Prescribing - [link](#)

TGA

- Publication of notified medicine shortages: Updated protocol - [link](#)
- Vitrakvi® ([Larotrectinib \(as sulfate\)](#)) provisional registration approval for adult and paediatric patients with locally advanced or metastatic solid tumours that: have a neurotrophic tyrosine receptor kinase (NTRK) gene fusion without a known acquired resistance mutation; are metastatic or where surgical resection is likely to result in severe morbidity; and have either progressed following treatment or who have no satisfactory alternative therapy.
- AusPARs:
 - [Gilteritinib](#) (as fumarate) Xospata® for relapsed or refractory acute myeloid leukaemia (AML).
 - [Tafamidis](#) (Vyndamax®) for transthyretin amyloid cardiomyopathy .
 - [Ranibizumab](#) (Lucentis®) for retinopathy of prematurity (ROP).
 - Flucelvax Quad® ([quadrivalent influenza vaccine](#), surface antigen, inactivated) for influenza vaccination.

REPORTS AND PUBLICATIONS – INTERNATIONAL

Food and Drug Administration (FDA) USA

- New Drug approvals
 - [Pralsetinib](#) (Gavreto®) for non-small lung cancer
 - [Tramadol](#) (Qdolo®) new oral solution for moderate to severe pain.
 - [Trelegy Elipta](#)® (Fluticasone furoate, umeclidinium bromide, vilanterol trifenate) new strength and additional indication for the maintenance treatment of asthma for patients aged 18 years and older.

National Institute for Health and Clinical Excellence (NICE) UK

- [NG12](#) Suspected cancer: recognition and referral (updated)

Public Health England

- Guidance: Inactivated influenza vaccine: information for healthcare practitioners - [link](#)

Scottish Medicine Consortium

Approvals

- Hydroxycarbamide oral solution: restricted use for preventing vaso-occlusive complications of Sickle Cell Disease in children > 2 years of age who are too young to be able to swallow capsules or tablets, and adults and adolescents who have difficulty in swallowing solid oral dosage forms - [link](#)

- Neratinib for the extended adjuvant treatment of early-stage hormone receptor positive HER2-overexpressed/amplified breast cancer in adults who completed adjuvant trastuzumab-based therapy less than one year ago - [link](#)
- Vedolizumab: restricted use for treating moderately to severely active Crohn's disease in adults who have had an inadequate response with, lost response to, or were intolerant to a tumour necrosis factor-alpha (TNF α) antagonist - [link](#)
- Vedolizumab: for treating moderately to severely active ulcerative colitis in adults who have had an inadequate response with, lost response to, or were intolerant to either conventional therapy or a tumour necrosis factor-alpha (TNF α) antagonist – [link](#)

Specialist Pharmacy Services

- Thickening agents: what to consider when choosing a product? - [link](#)
- How do amlodipine and felodipine compare for the treatment of hypertension or prophylaxis of stable angina? - [link](#)
- Statement on the potential toxicological risks from electronic nicotine (and non-nicotine) delivery systems (E(N)NDS – e-cigarettes) - [link](#)
- MIMS table on the monitoring of ACE inhibitors and angiotensin II antagonists in Primary Care - [link](#)
- What factors should be considered when using LMWH to treat venous thromboembolism in patients with high body weight? - [link](#)

MEDICATION SAFETY

electronic Medicines Compendium (eMC) (UK)

- Revised SPCs
- Nintaro ([ixazomib citrate](#)) warns of cases, some fatal, of thrombotic microangiopathy (TMA), including thrombotic thrombocytopenic purpura. Signs and symptoms of TMA should be monitored for, and treatment stopped if TMA is suspected.
- [Truvada](#) (tenofovir disoproxil fumarate/emtricitabine) tablets –co-administration of tenofovir disoproxil and didanosine not recommended due to increased systemic exposure (40-60%) to didanosine which may increase didanosine-related adverse reactions.
- [Lisoretic](#) (hydrochlorothiazide/lisinopril dihydrate) highlights risk of choroidal effusion with visual field defect, transient myopia and acute angle-closure glaucoma. Treatment requires rapid discontinuation of treatment, with medical/surgical management if intraocular pressure remains uncontrolled.
- Zydol ([tramadol](#)) products - now notes regular use during pregnancy may cause drug dependency in the foetus and withdrawal symptoms in the neonate; administration to nursing women is not recommended as it may be secreted in breast milk and cause respiratory depression in the infant.
- Co-Diovan 80/12.5 mg ([valsartan/ hydrochlorothiazide](#)) - Information on choroidal effusion added to the warning regarding acute myopia and secondary angle-closure glaucoma (the addition of this to all SPCs of thiazide and thiazide-like diuretics recommended).
- Dianette ([Cyproterone acetate/ Ethinylestradiol](#)) - updated regarding risk of meningioma with cyproterone. Although available data do not indicate a risk for low-dose medicines, they should not be used in people who have or have had a meningioma
- OxyNorm ([oxycodone](#)) IV - Information on conversion from morphine and statements on consideration of patient's previous history of analgesic requirements & use of lowest effective dose have been added, and also data on carcinogenicity
- Oramorph ([morphine](#)) - decreased exposure to oral P2Y12 inhibitor in acute coronary syndrome may occur with concomitant use, likely due to reduced GI motility. If concomitant use cannot be avoided, and fast P2Y12 inhibition crucial, consider use of a parenteral P2Y12 inhibitor.
- Inegy ([ezetimibe/simvastatin](#)) - dosage recommendation for ticagrelor added to table on drug interactions associated with increased risk of myopathy/rhabdomyolysis, as has a statement on co-administration of ticagrelor with simvastatin causing increase in simvastatin C_{max} and AUC.
- Maxidex ([dexamethasone](#)) now has warnings that because of the possibility of reduced glucose tolerance/diabetes mellitus with topical ophthalmic corticosteroids, caution is recommended when administering to patients with a personal or family history of diabetes.
- Lucentis ([ranibizumab](#)) - now advises that long-term safety in preterm infants with retinopathy of prematurity has been studied for 2 years in the RAINBOW extension trial and no new safety signals.
- Enbrel ([etanercept](#)) - now includes Kaposi's Sarcoma (a rare type of cancer caused by a virus, affecting the skin mouth, and potentially the internal organs) as adverse effect (unknown frequency).

CEC

- (Updated) Safety Notice 008/20: Illicit supply of counterfeit alprazolam - [link](#)

Food and Drug Administration (FDA) USA

- FDA alerts health care professionals and oncology clinical investigators about efficacy and potential safety concerns with atezolizumab in combination with paclitaxel for treatment of breast cancer - [link](#)

Health Canada – MedEffect Notice

- Esbriet ([pirfenidone](#)) and the Risk of Drug-Induced Liver Injury - [link](#)
- [HYDROMORPHONE](#) controlled release capsules - Increased risk of serious infections such as infection of the inner lining of the heart chambers and valves (infective endocarditis), and blood-borne infections caused by human immunodeficiency virus (HIV) or hepatitis C virus (HCV) linked to the injection of contents of oral hydromorphone controlled release capsules into veins
- Safety Fibrisal ([ulipristal acetate](#)) reviewed again following new case of liver injury

Medicines and Healthcare products Regulatory Agency (MHRA) UK

- Zoplicone Tablets- Ratiopharm UK Ltd, Generics UK Ltd and Mylan have confirmed that the Patient Information Leaflet and the Summary of Product Characteristics for Ratiopharm is missing important safety information related to potential suicide risks - [link](#)

Medsafe (New Zealand Medicines and Medical Devices Safety Authority)

- Medsafe has completed its review of Objections from the 64th Medicines Classification Committee to reclassify pholcodine - [link](#)

PAPERS OF INTEREST

American Diabetes Association - Diabetes care

- Comparative Effectiveness of the Sodium–Glucose Cotransporter 2 Inhibitor Empagliflozin Versus Other Antihyperglycemics on Risk of Major Adverse Kidney Events - [link](#)

Anesthesia and Analgesia

- Improving Transfusion Safety in the Operating Room With a Barcode Scanning System Designed Specifically for the Surgical Environment and Existing Electronic Medical Record Systems: An Interrupted Time Series Analysis - [link](#)

Annals of Internal Medicine

- Effects of Intensive Blood Pressure Treatment on Orthostatic Hypotension. A Systematic Review and Individual Participant–based Meta-analysis - [link](#)

BMC Medical Informatics and Decision Making

- Envisioning the future of clinical analytics: a modified Delphi process in NSW, Australia - [link](#)

British Journal of Psychiatry

- Post-traumatic stress disorder as a risk factor for dementia: systematic review & meta-analysis - [link](#)

BMJ

- Effectiveness of a high volume injection as treatment for chronic Achilles tendinopathy: randomised controlled trial - [link](#)
- Association between high blood pressure and long term cardiovascular events in young adults: systematic review and meta-analysis - [link](#)
- Opportunistic screening versus usual care for detection of atrial fibrillation in primary care: cluster randomised controlled trial - [link](#)
- Clinical review: Hepatorenal syndrome: pathophysiology, diagnosis, and management - [link](#)
- Practice pointer: Painful perianal ulcers with nicorandil - [link](#)

BMJ Heart

- Familial hypercholesterolaemia: history, diagnosis, screening, management and challenges - [link](#)

BMJ Open

- Changes in blood pressure thresholds for initiating antihypertensive medication in patients with diabetes: a repeated cross-sectional study focusing on the impact of age and frailty - [link](#)
- Changes over a decade in psychotropic prescribing for people with intellectual disabilities: prospective cohort study - [link](#)

BMJ Quality and Safety

- Tiered daily huddles: the power of teamwork in managing large healthcare organisations - [link](#)

Cochrane Database of Systematic Reviews

- Carotid endarterectomy for symptomatic carotid stenosis - [link](#)
- Taxation of the fat content of foods for reducing their consumption and preventing obesity or other adverse health outcomes - [link](#)
- Blood pressure targets for the treatment of people with hypertension & cardiovascular disease - [link](#)
- Carbohydrate supplementation of human milk to promote growth in preterm infants - [link](#)
- Sublingual immunotherapy for asthma - [link](#)
- Systemic treatments for eczema: a network meta-analysis - [link](#)

Diabetes Care

- Therapy Escalation Following an Elevated HbA1c in Adults Aged 45 Years and Older Living with Diabetes in Australia: A Real-world Observational Analysis – [link](#)

Diabetes, Obesity and Metabolism,

- Benefit/risk profile of dapagliflozin 5 mg in the DEPICT-1 and -2 trials in individuals with type 1 diabetes and body mass index ≥ 27 kg/m² - [link](#)

Drug Safety

- Human-Based Errors Involving Smart Infusion Pumps: A Catalog of Error Types and Prevention Strategies - [link](#)

European Journal of Hospital Pharmacy

- Haemorrhagic complications in patients with renal insufficiency during treatment or prophylaxis with dalteparin - [link](#)
- Rational selection of inhalation devices in the treatment of chronic obstructive pulmonary disease by means of the System of Objectified Judgement Analysis (SOJA) - [link](#)

International Journal of Clinical Pharmacy

- Medications and the risk of falls among older people in a geriatric centre in Nigeria: a cross-sectional study - [link](#)
- The effect of an inpatient geriatric stewardship on drug-related problems reported by patients after discharge - [link](#)
- A cost analysis study of the implementation of fixed-dosing of monoclonal antibodies in the Netherlands Cancer Institute – [link](#)
- Discontinuation of antipsychotics treatment for elderly patients within a specialized behavioural unit: a retrospective review - [link](#)
- Dose–response of intravenous calcium in the surgical intensive care unit - [link](#)

International Journal for Quality in Health Care

- From Hospital to Post-Acute Care Organisations: The Relationship between Patient Experience and Health Recovery - [link](#)
- The applicability of COBIT processes representation structure for quality improvement in healthcare: a Delphi study - [link](#)
- Tradeoff between Efficiency and Perceived Quality: Evidence from Patient-Level Data - [link](#)
- Human Factors/Ergonomics Work System Analysis of Patient Work: State of the Science and Future Directions - [link](#)
- Frontiers in Human Factors: Embedding Specialists in Multi-disciplinary efforts to Improve Healthcare - [link](#)

International Journal of Medical Informatics

- The General Practice and Residential Aged Care Facility Concordance of Medication (GRACEMED) study - [link](#)

JAMA

- Association of Routine Infant Vaccinations with Antibody Levels among Preterm Infants - [link](#)

JAMA Dermatology

- Association Between Early Severe Cardiovascular Events and the Initiation of Treatment with the Anti-Interleukin 12/23p40 Antibody Ustekinumab - [link](#)

JAMA Network Open

- Association of Fine Particulate Matter and Risk of Stroke in Patients with Atrial Fibrillation - [link](#)
- Association of Current Opioid Use with Serious Adverse Events among Older Adult Survivors of Breast Cancer - [link](#)
- Comparison of Cardiac Events Associated with Azithromycin vs Amoxicillin - [link](#)

JAMA Otolaryngology–Head & Neck Surgery

- Association of Hypertension with the Risk and Severity of Epistaxis - [link](#)

JAMA Surgery

- Synopsis of the UK National Institute for Health and Care Excellence Guidelines on the Diagnosis and Management of Pancreatic Cancer - [link](#)

JAMIA (Journal of the American Medical Informatics Association)

- Disappearing expertise in clinical automation: Barcode medication administration and nurse autonomy - [link](#)

Journal of Clinical Oncology

- Olanzapine for Prevention of Vomiting in Children and Adolescents Receiving Highly Emetogenic Chemotherapy: Investigator-Initiated, Randomized, Open-Label Trial - [link](#)

Journal of the American Geriatrics Society

- Characteristics of Long-Term Care Residents That Predict Adverse Events after Hospitalization - [link](#)

Journal of Pharmacy Practice and Research (JPPR)

- Examining the role of pharmacists in medication handover–facilitating opioid substitution therapy through transitions of care - [link](#)
- Acute kidney injury risk with piperacillin-tazobactam and vancomycin combination therapy: single centre retrospective study - [link](#)

Lancet

- Valaciclovir to prevent vertical transmission of cytomegalovirus after maternal primary infection during pregnancy: a randomised, double-blind, placebo-controlled trial - [link](#)
- Mapping global trends in vaccine confidence and investigating barriers to vaccine uptake: a large-scale retrospective temporal modelling study - [link](#)
- Complicated pneumonia in children - [link](#)

Lancet Diabetes and Endocrinology

- Review: Diabetes in ageing: pathways for developing the evidence base for clinical guidance - [link](#)
- Metformin in women with type 2 diabetes in pregnancy (MiTy): a multicentre, international, randomised, placebo-controlled trial - [link](#)
- Effect of dapagliflozin as an adjunct to insulin over 52 weeks in individuals with type 1 diabetes: post-hoc renal analysis of the DEPICT randomised controlled trials - [link](#)

Lancet Infectious Diseases

- Safety, immunogenicity, and efficacy of a Clostridioides difficile toxoid vaccine candidate: a phase 3 multicentre, observer-blind, randomised, controlled trial - [link](#)

Molecular Diversity Preservation International (MDPI) – Pharmacy Journal

- Opioid Use Disorders in People Living with HIV/AIDS: A Review of Implications for Patient Outcomes, Drug Interactions, and Neurocognitive Disorders - [link](#)
- Evaluation of a Revised Home Medication Experience Questionnaire (HOME-Qv2) - [link](#)

- Integrative Nutrition CARE in the Community—Starting with Pharmacists - [link](#)
- Evaluation of a Pharmacist–Dietician-Led Patient-Centered Approach to Managing CKD-MBD: A Mixed-Method Study - [link](#)

Medical Care

- State Policies for Prescription Drug Monitoring Programs and Adverse Opioid-related Hospital Events - [link](#)

Medical Journal of Australia

- Cumulative dispensing of high oral corticosteroid doses for treating asthma in Australia - [link](#)
- Perspectives: Artificial intelligence in health care: preparing for the fifth Industrial Revolution - [link](#)
- Perspectives: Use of artificial intelligence in skin cancer diagnosis and management - [link](#)
- Perspectives: Opportunities for eConsent to enhance consumer engagement in clinical trials - [link](#)
- Motherhood and medicine: systematic review of the experiences of mothers who are doctors - [link](#)

National Institute for Health Research (NIHR) Signals

- Most patients welcome advice from GPs on changing their behaviour to improve health - [link](#)
- More health research should take place in the areas and populations with most disease - [link](#)

Neurology

- Long-term safety, tolerability, and efficacy of fremanezumab in migraine: a randomized study - [link](#)

New England Journal of Medicine

- Review: Pharmacologic Treatment of Attention Deficit–Hyperactivity Disorder - [link](#)
- Review article: Tolerance in the Age of Immunotherapy - [link](#)

Pediatrics (American Academy of Pediatrics)

- Brief Behavioral Interventions for Substance Use in Adolescents: A Meta-analysis - [link](#)

Pharmacoepidemiology and Prescription

- Accuracy of freely available online GFR calculators using the CKD-EPI equation - [link](#)
- The association between acid-suppressive agent use and the risk of cancer: a systematic review and meta-analysis - [link](#)
- Evaluation of dose-tapering strategies for intravenous tocilizumab in rheumatoid arthritis patients using model-based pharmacokinetic/pharmacodynamic simulations - [link](#)
- A decision support tool to find the best cyclosporine dose when switching from intravenous to oral route in pediatric stem cell transplant patients - [link](#)
- Alliance between selective serotonin reuptake inhibitors and fracture risk: an updated systematic review and meta-analysis - [link](#)
- Stakeholders' knowledge, attitudes and practices to pharmacovigilance, attitude and adverse drug reaction reporting in clinical trials: a mixed methods study – [link](#)
- Patient safety incidents and medication errors during a clinical trial: experience from a pre-hospital randomized controlled trial of emergency medication administration - [link](#)

Public Health Research & Practice

- Volume 30 Issue 3 – September 2020. This latest issue focuses on tobacco control - [link](#)
- The WHO Framework Convention on Tobacco Control – time for a civil society equivalent?
- Tobacco dependence treatment in Australia – an untapped opportunity for reducing the smoking burden
- What are the resourcing requirements for an Aboriginal and Torres Strait Islander primary health care research project?
- Smoke-free environments: current status and remaining challenges in Australia
- Accessing the most lethal product on the market: community perceptions of tobacco accessibility in NSW, Australia

Therapeutics and Clinical Risk Management

- Safe Use of Opioids in Chronic Kidney Disease and Hemodialysis Patients: Tips and Tricks for Non-Pain Specialists - [link](#)

TAG Mail – 10 September 2020

COVID-19 RESOURCES & ARTICLES OF INTEREST

Please click this [link](#) for the cumulative listing of COVID-19 resources in past TAG Mails.

AUSTRALIAN

Australian Commission on Safety and Quality in Health Care

- Position Statement - Conserving medicines (last updated 21 August 2020) - [link](#)
- Position Statement - Intravenous medicines administration in the event of an infusion pump shortage (last updated 25 August 2020) - [link](#)

Australian Government Department of Health

- Coronavirus (COVID-19) at a glance infographic collection - [link](#)

National COVID-19 Clinical Evidence Taskforce

- New or updated recommendations as at 3/9/20 - [link](#)
- Aprepitant
- Convalescent plasma
- Sofosbuvir plus daclatasvir
- Umifenovir
- Prone positioning in children and adolescents receiving non-invasive respiratory support
- Antenatal corticosteroids

NPS MedicineWise

- Ivermectin and COVID-19 - [link](#)

SHPA

- Webinar: Panel discussion: experiences managing COVID-19 patients, 1-2pm 16 Sep 2020 - [link](#)

TGA

- Disinfectants for use against COVID-19 in the ARTG for legal supply in Australia - [link](#)

INTERNATIONAL

WHO

- WHO updates clinical care guidance with corticosteroid recommendations - [link](#)

UK

GOV.UK

- COVID-19: reuse of medicines in a care home or hospice guidelines (updated) - [link](#)

NICE

- [NG159](#) COVID-19 rapid guideline: critical care in adults (Recommendation 4.1 has been amended to add guidance on treatment with corticosteroids for people with severe or critical COVID-19, including a link to a prescribing briefing on corticosteroids, in line with WHO guidance.)

USA

American Society of Health-System Pharmacists (ASHP)

- ASHP discussion forum ([Sign up](#) for free) recent topics of discussion include: Remdesivir expiry dates

FDA

- FDA Broadens Emergency Use Authorization for Veklury (remdesivir) to include all hospitalized patients for Treatment of COVID-19 - [link](#)

JOURNAL ARTICLES

American Journal of Epidemiology

- COVID-19 in Healthcare Workers: A Living Systematic Review and Meta-analysis of Prevalence, Risk Factors, Clinical Characteristics, and Outcomes - [link](#)

British Journal of Clinical Pharmacology

- Beyond Dexamethasone, Emerging Immuno-Thrombotic Therapies for COVID-19 - [link](#)

British Medical Journal (BMJ)

- Clinical manifestations, risk factors, and maternal and perinatal outcomes of coronavirus disease 2019 in pregnancy: living systematic review and meta-analysis - [link](#)

- Practice Rapid Recommendations: A living WHO guideline on drugs for COVID-19 - [link](#)

- Practice pointer: Testing for SARS-CoV-2 antibodies - [link](#)

BMJ Annals of the Rheumatic Diseases

- Risk factors for hospital admissions related to COVID-19 in patients with autoimmune inflammatory rheumatic diseases - [link](#)

BMJ Heart

- Optimal management of acute coronary syndromes in the era of COVID-19 - [link](#)

BMJ openheart

- Hydroxychloroquine use in COVID-19: is the risk of cardiovascular toxicity justified? - [link](#)

BMJ Archives of Disease in Childhood

- COVID-19 in children: analysis of the first pandemic peak in England - [link](#)

Canadian Journal on Aging

- COVID-19 and Priorities for Research in Aging - [link](#)

Cochrane Database of Systematic Reviews

- Oxygen targets in the intensive care unit during mechanical ventilation for acute respiratory distress syndrome: a rapid review - [link](#)

Cochrane Special Collections

- Coronavirus (COVID-19): evidence relevant to critical care - [link](#)

- Coronavirus (COVID-19): infection control and prevention measures - [link](#)

Critical Care

- Letter: Efficacy of tocilizumab treatment in severely ill COVID-19 patients - [link](#)

European Journal of Hospital Pharmacy

- Involvement of interleukin 6 in SARS-CoV-2 infection: siltuximab as a therapeutic option against COVID-19 - [link](#)

JAMA

- Association between Administration of Systemic Corticosteroids and Mortality among Critically Ill Patients with COVID-19. A Meta-analysis - [link](#)

- Effect of Hydrocortisone on Mortality and Organ Support in Patients with Severe COVID-19

The REMAP-CAP COVID-19 Corticosteroid Domain. Randomized Clinical Trial - [link](#)

- Effect of Dexamethasone on Days Alive and Ventilator-Free in Patients with Moderate or Severe Acute Respiratory Distress Syndrome and COVID-19. The CoDEX Randomized Clinical Trial - [link](#)

- Effect of Hydrocortisone on 21-Day Mortality or Respiratory Support among Critically Ill Patients with COVID-19. A Randomized Clinical Trial - [link](#)

- Viewpoint: Regulatory Decision-making on COVID-19 Vaccines during a Public Health Emergency - [link](#)

- Viewpoint: Emergency Use Authorizations during the COVID-19 Pandemic. Lessons from Hydroxychloroquine for Vaccine Authorization and Approval - [link](#)

JAMA Network Open

- Association of Vitamin D Status and Other Clinical Characteristics with COVID-19 Test Results - [link](#)

JAMA Otolaryngology – Head & Neck Surgery

- Viewpoint: Timing of Tracheostomy for Patients with COVID-19 in the ICU—Setting Precedent in Unprecedented Times - [link](#)

Journal of Antimicrobial Chemotherapy

- Sofosbuvir and daclatasvir compared with standard of care in the treatment of patients admitted to hospital with moderate or severe coronavirus infection (COVID-19): a randomized controlled trial - [link](#)

Journal of Thrombosis and Haemostasis

- Brief report: Anticoagulant interventions in hospitalized patients with COVID-19: A scoping review of randomized controlled trials and call for international collaboration - [link](#)

Lancet

- Azithromycin in addition to standard of care versus standard of care alone in the treatment of patients admitted to the hospital with severe COVID-19 in Brazil (COALITION II): a randomised clinical trial - [link](#)

- Mavrilimumab for severe COVID-19 - [link](#) ([correspondence](#))

- Comment: Accumulating evidence suggests anti-TNF therapy needs to be given trial priority in COVID-19 treatment - [link](#)

- Comment: COVID-19 vaccines: early success and remaining challenges - [link](#)

medRxiv

- Preprint: A hospital-wide response to multiple outbreaks of COVID-19 in Health Care Workers: Lessons learned from the field (The Royal Melbourne Hospital) - [link](#)

Public Library of Science (PLOS)

- COVID-19 prevention and treatment: A critical analysis of chloroquine and hydroxychloroquine clinical pharmacology - [link](#)

OTHER NEWS

Agency for Clinical Innovation, NSW (ACI)

- Projects:

-- Optimising Screening and Isolation for Carbapenemase-producing Enterobacterales (CPE) - this project studies the effect of a rapid CPE test on reducing the time that patients are unnecessarily placed in isolation pending screening results (Royal Prince Alfred Hospital) - [link](#)

-- Right Patient Right Bed - this project examined ways to minimise clinical risk where there are delays in transferring patients from Kempsey District Hospital to Port Macquarie Base Hospital - [link](#)

Australian Government Department of Health

- Expressions of interest to join the Australian Technical Advisory Group on Immunisation (closes 9/10/2020) - [link](#)

ACI

- **ITIM is seeking your input for the next version of the NSW Trauma App.** If you have any new ideas in enhancing the NSW Trauma App such as new features, functions or anything else, please contact ACI-Info.ITIM@health.nsw.gov.au by COB 18th September 2020.

Global Allergy and Airways Patient Platform ([GAAPP](#))

- GAAPP and AstraZeneca launch campaign to help asthma patients break over-reliance on their SABA 'blue' reliever inhaler to prevent asthma attacks - [link](#)

NPS MedicineWise

- New Drug: [Darolutamide](#) for prostate cancer

NSW Health

- Register for the launch of Multicultural Health Week 2020 - [link](#)

PharmOnline

- New privately funded telehealth service in Australia providing before and after business-hours access to registered, experienced pharmacists to assist with medication and health enquiries - [link](#)

TGA

- **[Shortage of olmesartan and prazosin tablets; Serious shortage substitution notices issued for olmesartan and prazosin](#)**

REPORTS AND PUBLICATIONS – AUSTRALIA

Australian Government Department of Health

- Protocols for National Action to Respond to Adverse Events Following Immunisation - [link](#)
- National Framework for Alcohol, Tobacco and Other Drug Treatment 2019–29 - [link](#)
- National Alcohol and Other Drug Workforce Development Strategy 2015–2018 - [link](#)

AHHA

- Deeble Institute Perspectives Brief: Evaluating literature review methodologies for policymakers - [link](#)
- Australian healthcare after COVID-19: An opportunity to think differently - [link](#)

Australian Commission on Safety and Quality in Health Care (ACSQHC)

- Interfaces between the aged care and health systems in Australia:
 - GP use by people living in permanent residential aged care 2012–13 to 2016–17 – [link](#)
 - Movements between aged care and hospital 2016–17 - [link](#)

Clinical Excellence Commission (CEC) NSW

- CEC Medication Safety Update – [9 September 2020](#)

NSW Health Intranet

- Updated Policy Directive: Nursing and Midwifery Management of Drug and Alcohol use in the Delivery of Health Care - [PD2020_32](#)
- Information Bulletin: Emergency Department accessible wards in the Patient Flow Portal- [IB2020_31](#)
- Pathways to Community Living: Planning, Assessment and follow-up guide - [link](#)
- Pathways to Community Living Initiative: Journey to Home Guide - [link](#)
- A review of trainees in unaccredited positions – Discussion paper - [link](#)

TGA

- Approbals
 - [Flucelvax Quad](#) (quadrivalent influenza vaccine, surface antigen, inactivated) for influenza vaccination
 - AusPARs
 - [Alpelisib](#) (Piqray®) in combination with fulvestrant, for the treatment of postmenopausal women and men, with hormone receptor positive, HER2-negative, advanced or metastatic breast cancer with a PIK3CA mutation as detected by a validated test following progression on or after an endocrine-based regimen.
 - Ranibizumab (rbe): application withdrawn for an extension of indication in preterm infants for the treatment of retinopathy of prematurity
 - Registration of [new generic medicines and biosimilar](#) medicines
 - Fenofibrate (Fenocol, Fenocipla, Febofibrate cipla)
 - Fingolimod (AKM fingolimod; Pharmacor fingolimod)

REPORTS AND PUBLICATIONS – INTERNATIONAL

Agency for Healthcare Research and Quality (AHRQ) USA

- Care Interventions for People Living With Dementia and Their Caregivers. Systematic Review - [link](#)
- Strategies for patient, family, and caregiver engagement. Technical brief - [link](#)

Canadian Agency for Drugs and Technologies in Health

- Triage Tools and Management Algorithms for Colorectal Cancer Screening: Guidelines - [link](#)

electronic Medicines Compendium (eMC) (UK)

- [Andexanet alfa](#) (Ondexxya®) accepted for use within NHS Scotland on interim basis subject to ongoing evaluation and future reassessment
- New product
- Epclusa ([sofosbuvir 200 mg and velpatasvir 50 mg](#))- lower strength specifically for the treatment of chronic hepatitis C virus infection

European Medicines Agency (EMA)

- Human Medicines Highlights September 2020 - [link](#)

Food and Drug Administration (FDA) USA

- [Nitisinone](#) (Nityr®) – new dosing regimen
- FDA OKs New 'Artificial Pancreas' Medtronic 770G (automated insulin delivery system) - [link](#)
- New Drug approvals
- [Sompacitan](#) (Sogroya) is a human growth hormone analog to treat adult growth hormone deficiency
- [Azacitidine](#) (Onureg) approved as first maintenance therapy for continued treatment of adults with acute myeloid leukemia (AML) who have achieved initial complete remission.
- Copper Cu 64 dotatate ([Detectnet](#)) injection to help detect certain types of neuroendocrine tumours.

National Institute for Health and Clinical Excellence (NICE) UK

- [TA645](#) Avelumab with axitinib for untreated advanced renal cell carcinoma

Specialist Pharmacy Services

- How do amlodipine and felodipine compare for the treatment of hypertension or prophylaxis of stable angina? - [link](#)
- New Medicines Newsletter [August 2020](#)

MEDICATION SAFETY

electronic Medicines Compendium (eMC) (UK)

- Revised SPCs
- Lyumjev ([insulin lispro](#)) - updated to note that cutaneous amyloidosis, as well as lipodystrophy, may occur at the injection site and delay local insulin absorption.
- Fampyra ([fampridine](#)) tablets – contraindication for mild renal impairment (creatinine clearance <50ml/min) removed. Vertigo added as a common adverse event, and dizziness as a symptom of overdose.
- Tamiflu ([oseltamivir](#)) 6 mg/ml Powder for Oral Suspension - warns that excipient sorbitol may cause gastrointestinal discomfort and can have a mild laxative effect, and sodium benzoate may increase jaundice in newborn babies (up to 4 weeks old).
- Kalydeco ([ivacaftor](#)) granules- updated interactions as significant decrease in ivacaftor exposure by concomitant use of CYP3A inducers, and increase in exposure with strong or moderate CYP3A inhibitors. Further ADR data relating to transaminase elevations added.
- Tecentriq ([atezolizumab](#)) uveitis and psoriasis added as rare and uncommon adverse effects, respectively.
- Progynova ([estradiol valerate](#))- updated as a result of the PRAC signal on hormone replacement therapy and new information on the known risk of breast cancer.
- Tivicay ([dolutegravir](#)) tablets- now warns that weight increase and increase in blood lipids and glucose concentrations may occur. Such changes may also be linked to disease control and lifestyle.
- [Epidyolex](#) (cannabidiol) 100 mg/ml oral solution - updated to reflect the data of interaction studies involving rifampicin, caffeine, stiripentol and of pharmacokinetic study GWEP17076, exploring the impact of meal, milk and alcohol on cannabidiol exposure.
- Latuda ([lurasidone hydrochloride](#))– now includes an extension in treatment of schizophrenia for adolescents aged 13 and over; and a safety update regarding risk of serotonin syndrome with concomitant administration of lurasidone and other serotonergic agents.
- [Dexamfetamine sulfate](#) tablets - now states that children of mothers who are dependent on amphetamine are at an increased risk of premature birth and reduced birth weight and also may also develop withdrawal symptoms like dysphoria, including hyperexcitability and pronounced exhaustion.
- Prezista ([darunavir](#)) - now states that if a patient vomits within 4 hours of taking, another dose should be taken, with ritonavir, as soon as possible. If vomiting occurs >4 hours after the dose, the patient can wait until the next regularly scheduled time for the next dose.
- Seroxat ([paroxetine](#))- Microscopic colitis added as potential adverse effect (unknown frequency)

-- Vemlidy ([tenofovir alafenamide](#))- Following PRAC recommendation, instruction added for renal monitoring (prior to and during treatment). Consider treatment cessation in clinically significant decreases in renal function or evidence of proximal renal tubulopathy.

EMA

- PRAC recommends revoking marketing authorisation of ulipristal acetate for uterine fibroids as it can cause liver injury, including the need for liver transplantation- [link](#)

Food and Drug Administration (FDA) USA

- Information about Nitrosamine Impurities in Medications - [link](#)
- Questions and Answers: NDMA impurities in metformin products - [link](#)

Institute for Safe Medication Practices (ISMP) USA

- Medication Safety Alert! [September 10, 2020](#)
-- Reported Medication Errors with VEKLURY ([remdesivir](#)) Emergency Use Authorization
-- [NANALERT](#): Wrong-route tranexamic acid errors
-- Easy for things to go wrong with test patients
-- Close call because red font not visible on black and white printout
-- Dexamethasone and dexmedetomidine confusion
-- New concentration of methotrexate injection approved
-- Proper dosing instructions for EpiPen and EpiPen Jr

NHS Improvement

- National Patient Safety Alert: Foreign body aspiration during intubation, advanced airway management or ventilation - [link](#)

Specialist Pharmacy Services (SPS)

- Medicines Use and Safety Updates – [September 2020](#)

TGA

- Safety advisory - risk of serious skin reactions: First aid creams containing bufexamac to be removed from the ARTG on 18/9/2020 and no longer sold in Australia - [link](#)

PAPERS OF INTEREST

American Journal of Health-System Pharmacy (AHJP)

- Romosozumab: A first-in-class sclerostin inhibitor for osteoporosis - [link](#)
- ASHP Therapeutic Position Statement on the Use of Antipsychotic Medications in the Treatment of Adults with Schizophrenia and Schizoaffective Disorder - [link](#)
- Optimal sequencing strategies in the treatment of EGFR mutation–positive non–small cell lung cancer: Clinical benefits and cost-effectiveness - [link](#)
- Possible role for acetylcysteine as a treatment for acute liver failure secondary to antitubercular medication use - [link](#)
- Conversion from paper to electronic acute care chemotherapy orders - [link](#)
- Redistribution of short-dated emergency medications as a cost avoidance and drug shortage management strategy - [link](#)
- Using intravenous pump infusion data to optimize continuous infusion concentrations and reduce drug and fluid waste - [link](#)

Annals of Internal Medicine

- Maternal Influenza A (H1N1) Immunization during Pregnancy and Risk for Autism Spectrum Disorder in Offspring. A Cohort Study - [link](#)
- Second International Guidelines for the Diagnosis and Management of Hereditary Hemorrhagic Telangiectasia - [link](#)
- Four-Week Direct-Acting Antiviral Prophylaxis for Kidney Transplantation from Hepatitis C–Viremic Donors to Hepatitis C–Negative Recipients: An Open-Label Nonrandomized Study - [link](#)

BMC Health Services Research

- Working together in Aboriginal health: a framework to guide health professional practice - [link](#)

BMJ Heart

- Role of beta blockers following percutaneous coronary intervention for acute coronary syndrome - [link](#)

British Journal of Clinical Pharmacology

- A cross sectional study of psychotropic medicine use in Australia in 2018: a focus on polypharmacy - [link](#)
- Evaluation of Amikacin Use and Comparison of the Models Implemented in Two Bayesian Forecasting Software Packages to Guide Dosing - [link](#)
- Review article themed issue: Bisphosphonates for delivering drugs to bone – [link](#)
- Review article themed issue: Infant drug exposure via breast milk - [link](#)
- Prescribers' Compliance to Direct Oral Anticoagulants' Labels and Impact on Outcomes in Thailand - [link](#)

British Journal of General Practice

- GPs' decisions about prescribing end-of-life anticipatory medications: a qualitative study - [link](#)

British Medical Journal (BMJ)

- Association between quadrivalent human papillomavirus vaccination and selected syndromes with autonomic dysfunction in Danish females: population based, self-controlled, case series analysis - [link](#)
- Medication-related experiences of patients with polypharmacy: a systematic review of qualitative studies – [link](#)

Cochrane Database of Systemic Reviews

- Vitamin E supplementation in people with cystic fibrosis - [link](#)
- Tafenoquine for preventing relapse in people with Plasmodium vivax malaria - [link](#)
- Time course for blood pressure lowering of beta-blockers with partial agonist activity - [link](#)
- Pharmacotherapy for hyperuricaemia in hypertensive patients - [link](#)

Diabetes Care

- Effects of DPP-4 Inhibitor Linagliptin Versus Sulfonylurea Glimepiride as Add-on to Metformin on Renal Physiology in Overweight Patients with Type 2 Diabetes (RENALIS): A Randomized, Double-Blind Trial - [link](#)

European Journal of Hospital Pharmacy

- The incidence and risk of cutaneous toxicities associated with dabrafenib in melanoma patients: a systematic review and meta-analysis - [link](#)
- Role of the hospital pharmacist in an Italian antimicrobial stewardship programme - [link](#)

Health Expectations

- Renegotiating dimensions of the self: A systematic review and qualitative evidence synthesis of the lived experience of self-managing rheumatoid arthritis - [link](#)

Internal Medicine Journal

- Outcomes of community-based hepatitis C treatment by general practitioners and nurses in Australia via remote specialist consultation - [link](#)

International Journal of Clinical Pharmacy

- Evaluation of patients' knowledge about oral anticoagulant medicines and use of alert cards by community pharmacists - [link](#)
- Transit Care Hub pharmacist: improving patient flow within the hospital - [link](#)

International Journal of Evidence-Based Healthcare

- A clinical pharmacist-led integrated approach for evaluation of medication errors among medical intensive care unit patients - [link](#)

International Journal for Quality in Health Care

- The Effects of Acupressure on Post-Cesarean Pain and Analgesic Consumption: A Randomized Single-Blinded Placebo-Controlled Study - [link](#)

JAMA

- Effect of Out-of-Hospital Tranexamic Acid vs Placebo on 6-Month Functional Neurologic Outcomes in Patients with Moderate or Severe Traumatic Brain Injury - [link](#)

JAMA Cardiology

- Coronary Angiography after Cardiac Arrest Without ST Segment Elevation One-Year Outcomes of the COACT Randomized Clinical Trial - [link](#)

JAMA Dermatology

- Association of the Psoriatic Microenvironment with Treatment Response - [link](#)
- Association between Drug Use and Subsequent Diagnosis of Lupus Erythematosus - [link](#)

JAMA Internal Medicine

- Association of Fluoroquinolones with the Risk of Aortic Aneurysm or Aortic Dissection - [link](#)
- Association of Infections and Use of Fluoroquinolones with the Risk of Aortic Aneurysm or Aortic Dissection - [link](#)

JAMA Network Open

- Assessment of Probable Opioid Use Disorder Using Electronic Health Record Documentation - [link](#)

JAMA Neurology

- Outcomes of Intensive Systolic Blood Pressure Reduction in Patients with Intracerebral Hemorrhage and Excessively High Initial Systolic Blood Pressure: Post Hoc Analysis of a Randomized Clinical Trial - [link](#)

JAMA Oncology

- Efficacy and Safety of Pembrolizumab or Pembrolizumab Plus Chemotherapy vs Chemotherapy Alone for Patients With First-line, Advanced Gastric Cancer. The KEYNOTE-062 Phase 3 Randomized Clinical Trial - [link](#)

JAMA Psychiatry

- Association of Selective Serotonin Reuptake Inhibitors with the Risk of Type 2 Diabetes in Children and Adolescents - [link](#)

Journal of the Australian Healthcare & Hospitals Association

- Letter to the editor: Time to rethink our approach to the Pharmaceutical Benefits Scheme (PBS) listing of medicines: the case of pregabalin - [link](#)

Journal of Evaluation in Clinical Practice

- Intervention study for the reduction of medication errors in elderly trauma patients - [link](#)

Journal of Patient Safety

- Advancing Patient Safety: Reviews from the Agency for Healthcare Research and Quality's Making Healthcare Safer III Report - [link](#)

Journal of Pharmacy Practice and Research (JPPR)

- Systematic review of clinical outcomes of clinical pharmacist roles in hospitalised general medicine patients - [link](#)

Lancet

- Preoperative intravenous iron to treat anaemia before major abdominal surgery (PREVENTT): a randomised, double-blind, controlled trial - [link](#)
- Series: Acute pancreatitis - [link](#)

Lancet Infectious Diseases

- Immunogenicity and persistence of trivalent measles, mumps, and rubella vaccines: a systematic review and meta-analysis - [link](#)

- Inappropriate empirical antibiotic therapy for bloodstream infections based on discordant in-vitro susceptibilities: a retrospective cohort analysis of prevalence, predictors, and mortality risk in US hospitals - [link](#)

Molecular Diversity Preservation International (MDPI) – Pharmacy Journal

- The Quality of Advice Provided by Pharmacists to Patients Taking Direct Oral Anticoagulants: A Mystery Shopper Study - [link](#)
- Pharmacists' Prescribing in Saudi Arabia: Cross-Sectional Study Describing Current Practices and Future Perspectives - [link](#)

Medical Journal of Australia

- Letter: Characteristics, treatment and complications of herpes zoster ophthalmicus at a tertiary eye hospital - [link](#)
- Perspective: The time for inclusive care for Aboriginal and Torres Strait Islander LGBTQ+ young people is now - [link](#)
- Perspective: Navigating the complexities of voluntary assisted dying in palliative care - [link](#)
- The dangers of herbal teas: hypertension and weakness caused by liquorice-induced apparent mineralocorticoid excess - [link](#)
- Deconfounding confounding part 3: controlling for confounding in statistical analyses - [link](#)

National Institute for Health Research (NIHR) Signals

- Anti-inflammatory drugs do not lift depression in bipolar disorder - [link](#)
- Psychiatric drugs given to children and adolescents have been ranked in order of safety - [link](#)
- Male prisoners develop unhealthy hearts at younger ages than people on the outside - [link](#)

New England Journal of Medicine

- Review article: Pharmacologic Treatment of Attention Deficit–Hyperactivity Disorder - [link](#)

Pediatrics

- Recommendations for Prevention and Control of Influenza in Children, 2020–2021 - [link](#)

Pharmacotherapy

- Impact of hospitalization and medication switching on post-discharge adherence to oral anticoagulants in atrial fibrillation patients - [link](#)

Prescrire – French Medical Journal

- Prescrire International, Issue number 218 September 2020 - [link](#)
-- Adverse effects- VEGF inhibitors: arterial aneurysm and dissection - [link](#)

Therapeutic Advances in Drug Safety

- Education around medication review and deprescribing: a survey of medical and pharmacy students' perspectives - [link](#)

Thrombosis and Haemostasis

- Anticoagulation Treatment in Cancer-Associated Venous Thromboembolism: Assessment of Patient Preferences Using a Discrete Choice Experiment (COSIMO Study) - [link](#)

TAG Mail – 3 September 2020

COVID-19 RESOURCES & ARTICLES OF INTEREST

Please click this [link](#) for the cumulative listing of COVID-19 resources in past TAG Mails.

AUSTRALIAN

CEC

- Reminder to complete survey regarding CEC Medication Safety Team support provided during the COVID-19 pandemic. [Survey](#) closes COB Friday 4th September 2020.

Australian Healthcare & Hospitals Association (AHHA)

- Australian Healthcare after COVID-19- An opportunity to think differently - [link](#)

National COVID-19 Clinical Evidence Taskforce

- Living guidelines: Disease modifying treatments updated – includes new information for interferon gamma and telmisartan - [link](#)

- Clinical Flowcharts:

-- Management of people with COVID-19 who are older and living with frailty and/or cognitive impairment (new) - [link](#)

-- Management of Adults with mild COVID-19 (updated) – [link](#)

-- Management of Adults with moderate to severe COVID-19 (updated) - [link](#)

-- Management of Adults with severe to critical COVID-19 (updated) - [link](#)

NSW Health

- COVID-19: Updated advice for health professions as of 27 August 2020 - [link](#)

- Weekly surveillance reports - [link](#); In Focus - Locally acquired COVID-19 cases: A review of the last six weeks [[13 August 2020](#)]

NSW Health Critical Intelligence Unit – Evidence checks

- Medium and long term health sequelae of COVID-19 – what are the medium and long-term sequelae of COVID-19 infection among survivors? - [link](#)

NPS MedicineWise

- Podcast Episode 12: An insight to the national COVID-19 response - [link](#)

TGA

- COVID-19 testing in Australia - information for health professionals - [link](#)

- COVID-19 serology point-of-care tests - [link](#)

INTERNATIONAL

WHO

- Pulse survey on continuity of essential health services during COVID-19 pandemic. Interim report 27 August 2020 - [link](#)

- COVID-19 essential supplies forecasting tool overview of the structure, methodology, and assumptions used: interim guidance, 25 August 2020 - [link](#)

Canada

Alberta Health Services

- COVID-19 Scientific Advisory Group Rapid Evidence Reports:

-- What risk factors are associated with the development of severe outcomes in COVID-19? [link](#)

-- Evidence of harm from mask use for specific populations - [link](#)

-- What role might children play in community SARS-CoV-2 transmission, and what measures might mitigate potential additional risk of transmission of COVID-19 related to school and day-care centres reopening? [link](#)

-- Have clusters of COVID-19 over time been described in condos, apartments and/or hotels, and what are the most commonly hypothesised mechanisms of transmission? [link](#)

UK

Royal Pharmaceutical Society

- COVID-19 and beyond: The role of Pharmacy in mental health and wellbeing - [link](#)

JOURNAL ARTICLES

Annals of Internal Medicine

- Pulmonary Arterial Thrombosis in COVID-19 with Fatal Outcome - [link](#)

- Update [Alert 2](#): Hydroxychloroquine or Chloroquine for the Treatment or Prophylaxis of COVID-19

- Update [Alert 3](#): Risks and Impact of Angiotensin-Converting Enzyme Inhibitors or Angiotensin-Receptor Blockers on SARS-CoV-2 Infection in Adults

British Journal of Clinical Pharmacology

- The COVID-19 ibuprofen controversy: A systematic review - [link](#)

British Medical Journal (BMJ)

- Clinical characteristics of children and young people admitted to hospital with covid-19 in United Kingdom: prospective multicentre observational cohort study - [link](#)
- Clinical manifestations, risk factors, and maternal and perinatal outcomes of coronavirus disease 2019 in pregnancy: living systematic review and meta-analysis - [link](#)
- Living network meta-analysis of covid-19 treatments [infographic](#)

Current Atherosclerosis Reports

- Effect of Renin-Angiotensin-Aldosterone System Inhibitors in Patients with COVID-19: a Systematic Review and Meta-analysis of 28,872 Patients - [link](#)

International Journal of Antimicrobial Agents

- Safety and Effectiveness of Azithromycin in Patients with COVID-19: an open-label randomized trial - [link](#)

JAMA

- Viewpoint: Emergency Use Authorizations during COVID-19 Pandemic: Lessons from Hydroxychloroquine for Vaccine Authorization and Approval - [link](#)

JAMIA (Journal of the American Medical Informatics Association)

- Characteristics of Telehealth Users in NYC for COVID-related Care during the Coronavirus Pandemic - [link](#)
- Innovative Use of Health Informatics to Augment Contact Tracing during the COVID19 Pandemic in an Acute Hospital - [link](#)

Journal of the Australian Healthcare & Hospitals Association

- Telehealth uptake in general practice as a result of the coronavirus (COVID-19) pandemic - [link](#)

Lancet Respiratory Medicine

- Pathophysiology of COVID-19-associated acute respiratory distress syndrome: a multicentre prospective observational study - [link](#)
- Prevalence of phenotypes of acute respiratory distress syndrome in critically ill patients with COVID-19: a prospective observational study - [link](#)

Metabolism: clinical and experimental

- Diabetes, glycaemic control, and risk of COVID-19 hospitalisation: Population-based, prospective cohort study - [link](#)

NEJM

- Humoral Immune Response to SARS-CoV-2 in Iceland - [link](#)
- Phase 1–2 Trial of a SARS-CoV-2 Recombinant Spike Protein Nanoparticle Vaccine - [link](#)

REPORTS AND PUBLICATIONS – AUSTRALIA

Australian Commission on Safety and Quality in Health Care (ACSQHC)

- NSQHS Standards User Guide for the Review of Clinical Variation in Health Care - [link](#)

Australian Institute for Health and Welfare (AIHW)

- Mesothelioma in Australia 2019 - [link](#)
- Muscle strengthening activities among Australian adults - [In focus](#)

Kidney Health Australia

- Chronic Kidney Disease Management handbook 4th edition 2020 - [link](#)

TGA

- AusPARs:
 - [Insulin aspart \(rys\)](#) (Fiasp; Fiasp Penfill; and Fiasp FlexTouch) extension of indication to include treatment of diabetes mellitus in adults, adolescents and children aged 1 year and above.

- [Tocilizumab](#) (rch) (Actemra) extension of indication to include dosing via the subcutaneous route of administration; and to lower the age limit for systemic juvenile idiopathic arthritis treatment to patients aged 1 year old (SC formulation only)
- New biological: T Cells - axicabtagene ciloleucel, cryopreserved - T – [Yescarta](#)®
- TGA Laboratories testing report: Seasonal influenza vaccines - Batch release 2020 - [link](#)

REPORTS AND PUBLICATIONS – INTERNATIONAL

Agency for Healthcare Research and Quality (AHRQ) USA

- Medication dosing safety for pediatric patients: recognizing gaps, safety threats, and best practices in the emergency medical services setting. A position statement and resource document from NAEMSP - [link](#)

Canadian Agency for Drugs and Technologies in Health

- Rapid Response: Telehealth-delivered Supervised Consumption Services: Clinical Effectiveness, Cost-Effectiveness, and Guidelines - [link](#)
- Rapid Response: Acetylsalicylic Acid for Venous Thromboembolism Prophylaxis in Total Hip or Knee Replacement: A Review of Clinical Effectiveness and Guidelines - [link](#)
- Rapid Response: Prevention Strategies for Recurrent Tuberculosis: Guidelines - [link](#)
- Rapid Response: Interferon Gamma Release Assay for the Identification of Latent Tuberculosis Infection in People with Previous Bacille Calmette-Guérin Vaccination: Clinical Utility, Cost-Effectiveness, and Guidelines - [link](#)

electronic Medicines Compendium (eMC) (UK)

- New products
- Dotagraf ([gadoteric acid](#)) 0.5 mmol/ml solution for injection - a contrast agent licensed for enhancement of the contrast in Magnetic Resonance Imaging (MRI)

European Medicines Agency (EMA)

- Durvalumab (Imfinzi) approved in EU for the first-line treatment of adults with extensive-stage small cell lung cancer (ES-SCLC) - [link](#)
- Sofosbuvir/velpatasvir/sofosbuvir (Epclusa) approved for use in paediatrics in the EU for treatment of chronic hepatitis C infection - [link](#)

Food and Drug Administration (FDA) USA

- Ultravate (halobetasol propionate) updated to extend indication of topical treatment of plaque psoriasis to paediatric patients 12 years of age and older - [link](#)
- New Drug approvals
- Clascoterone (Winlevi) –approves first topical androgen receptor inhibitor for acne - [link](#)
- Olinvyk (oliceridine) - IV opioid approved for hospital use - [link](#)

Health Canada

- Health Product InfoWatch, August 2020 - [link](#)
- Product monograph update: Singulair (montelukast)
- Health products mentioned in this issue: Brilinta (ticagrelor) & risk of bradyarrhythmia and second- and third-degree atrioventricular (AV) block; Cabazitaxel products; Cetrotide (cetorelix); DDAVP Spray (desmopressin acetate); Methadone; Picato (ingenol mebutate); Ranitidine; Singulair (montelukast); Veklury (remdesivir)

NHS providers

- GETTING IT RIGHT FOR EVERYONE: Meeting the needs of people with a learning disability and autistic people in NHS services - [link](#)

NHS England

- New NHS medicines [guides](#): budesonide inhalers; budesonide rectal foam and enemas; budesonide nasal spray; mometasone inhaler; beclomethasone creams; letrozole; mirabegron, nystatin and lithium.

National Institute for Health and Clinical Excellence (NICE) UK

- [QS196](#) Community pharmacies: promoting health and wellbeing
- [QS197](#) Faltering growth

- Avelumab with axitinib for untreated advanced renal cell carcinoma – guidance ([TA645](#))

Specialist Pharmacy Services

- What are the clinically significant drug interactions with tobacco smoking? Updated - [link](#)

MEDICATION SAFETY

Australian and New Zealand College of Anaesthetists & Faculty of Pain Medicine

- Safety Alert: Prefilled carbetocin syringes - [link](#)

electronic Medicines Compendium (eMC) (UK)

- Revised SPCs
- Efudix ([fluorouracil](#)) 5% Cream - updated reports of toxicity in patients who have reduced activity of dihydropyrimidine dehydrogenase, key enzyme involved in metabolising and eliminating fluorouracil.
- [Insulin lispro](#); Insuman Infusat/Comb/Rapid ([human insulin](#)) - updated to advise insulin absorption may vary from one injection area to another and injection sites within an injection area must be rotated from one injection to next in order to reduce risk of lipodystrophy & cutaneous amyloidosis
- Zavedos ([idarubicin](#)) – updated to increase wash out period for trastuzumab to 7 months.
- [Doxorubicin](#) & [epirubicin](#) injections – updated to advise that trastuzumab may persist in circulation for up to 7 months, therefore physicians should avoid anthracycline-based therapy for up to 7 months after stopping trastuzumab when possible, & if not, cardiac function should be monitored carefully
- Jylamvo ([methotrexate](#)) oral solution – added hypoaesthesia, skin exfoliation/dermatitis exfoliative and oedema as undesirable effects.
- Bosulif ([bosutinib](#)) – states that Asians had a lower clearance resulting in increased exposure. Therefore, closely monitor these patients for adverse reactions especially during dose escalation.
- Olumiant ([baricitinib](#)): increased risk of diverticulitis (DV), particularly in patients with risk factors. Most, but not all, cases of DV and GI perforation occurred in patients on concomitant medicines linked to increased risk of DV, therefore baricitinib should be used with caution in these particular groups.
- Epidyolex ([cannabidiol](#)) - updated to reflect the data of interaction studies involving rifampicin, CYP1A2 substrate, caffeine, stiripentol and impact of meal, milk and alcohol on cannabidiol exposure
- Tivicay ([dolutegravir](#)) - updated to warn that an increase in weight, blood lipids and glucose may occur during antiretroviral therapy. Such changes may in part be linked to disease control and lifestyle.

Food and Drug Administration (FDA) USA

- FDA works to mitigate shortages of rifampin and rifapentine after manufacturers find nitrosamine impurities - [link](#)
- FDA removes Boxed Warning about risk of leg and foot amputations for the diabetes medicine canagliflozin (Invokana, Invokamet, Invokamet XR) - [link](#)
- FDA Rationale for Recognition Decision: Daptomycin - [link](#)

Medicines and Healthcare products Regulatory Agency (MHRA) UK

- [Clozapine and other antipsychotics](#): Monitoring clozapine levels for toxicity is now advised in certain clinical situations (e.g. stopping smoking/switching to e-cigarette, interacting medicines, pneumonia/other serious infection, suspected reduced clozapine metabolism or toxicity), in addition to usual blood tests
- Denosumab (Prolia): increased risk of multiple vertebral fractures after stopping or delaying ongoing treatment - [link](#)
- Isotretinoin (Roaccutane): reminder of important risks and precautions - [link](#)
- Emollients and risk of severe and fatal burns: new resources available - [link](#)

Medsafe (New Zealand Medicines and Medical Devices Safety Authority)

- Prescriber Update – [September 2020](#); some articles include:
 - Spotlight on Maviret – De-liver-ing treatment in patients with hepatitis C
 - Allopurinol – Life-threatening interaction with azathioprine or mercaptopurine
 - Gastrointestinal surgery – Consider possible effects on medicine pharmacokinetics
 - Avoid switching brands of topiramate
 - Quarterly summary of recent safety communications
 - Kounis syndrome – ‘Allergic angina’ associated with some medicines
 - Cyproterone acetate and the risk of meningioma
 - DRESS syndrome – Monitor for long-term sequelae

- Medicines Monitoring: fluoxetine and levothyroxine
- Gathering knowledge from adverse reaction reports: September 2020

PAPERS OF INTEREST

American Journal of Emergency Medicine

- Intranasal ketamine for acute pain management in children: A systematic review and meta-analysis - [link](#)

American Journal of Health-System Pharmacy (AHJP)

- Reintegrating droperidol into emergency medicine practice - [link](#)
- Impact of a clinical decision support tool targeting QT-prolonging medications - [link](#)
- Impact of reflex fosfomicin E-testing on the utilization of carbapenems for definitive extended-spectrum beta-lactamase Escherichia coli urinary tract infection treatment - [link](#)

Annals of Internal Medicine

- Synopsis of the 2020 U.S. Department of Veterans Affairs/U.S. Department of Defense Clinical Practice Guideline: The Diagnosis and Management of Hypertension in the Primary Care Setting - [link](#)
- Association between Oral Corticosteroid Bursts and Severe Adverse Events. A Nationwide Population-Based Cohort Study- [link](#)
- In older adults, some antidepressants were associated with increased fracture risk - [link](#)
- In the Clinic: Hepatitis C Virus - [link](#)
- After revascularization for PAD, rivaroxaban reduced vascular events with a small increase in major bleeding - [link](#)
- In cancer-associated VTE, apixaban was noninferior to dalteparin for recurrence and did not increase major bleeding - [link](#)
- In patients with ASCVD and elevated LDL-C with maximal statin therapy, inclisiran reduced LDL-C levels at 18 months - [link](#)
- In stable coronary disease with moderate or severe ischemia, initial invasive therapy plus medical therapy did not improve CV outcomes at 3 years - [link](#)
- Pharmacologic Approaches to Glycemic Treatment of Type 2 Diabetes: Synopsis of the 2020 American Diabetes Association's Standards of Medical Care in Diabetes Clinical Guideline - [link](#)
- Maternal Influenza A (H1N1) Immunization during Pregnancy and Risk for Autism Spectrum Disorder in Offspring. A Cohort Study - [link](#)

BMJ Evidence-Based Medicine

- Analysis of reports of unintended pregnancies associated with the combined use of non-enzyme-inducing antibiotics and hormonal contraceptives - [link](#)

British Journal of Clinical Pharmacology

- Comparing incidences of infusion site reactions between brand-name and generic vinorelbine in patients with non-small cell lung cancer - [link](#)
- Antiepileptic drugs and risk of developing smoking-related chronic obstructive pulmonary disease or lung cancer: A population-based case-control study - [link](#)
- Editorial: Is avoidance of hypoglycaemia a better target than HbA1C in older people with diabetes? - [link](#)
- Commentary: Deprescribing: What do we know, and where to next? - [link](#)
- Drug exposure of first-line anti-tuberculosis drugs in China: A prospective pharmacological cohort study - [link](#)
- Quality and use of unlicensed vitamin D preparations in primary care in England: Retrospective review of national prescription data and laboratory analysis - [link](#)
- Commentary: Indications-based prescribing: A challenge for hospital prescribers - [link](#)

British Medical Journal (BMJ)

- Association between quadrivalent human papillomavirus vaccination and selected syndromes with autonomic dysfunction in Danish females: population based, self-controlled, case series analysis - [link](#)
- Clinical review: Hepatitis B virus persistence and reactivation - [link](#)
- DTB select: Lithium in pregnancy - [link](#)

BMJ Journal of Neurology, Neurosurgery & Psychiatry

- Efficacy and safety of adjunctive lacosamide in the treatment of primary generalised tonic-clonic seizures: a double-blind, randomised, placebo-controlled trial - [link](#)
- Evidence-based prevention of Alzheimer's disease: systematic review and meta-analysis of 243 observational prospective studies and 153 randomised controlled trials - [link](#)

Circulation

- The Effect of Adding Ticagrelor to Standard Aspirin on Saphenous Vein Graft Patency in Patients Undergoing Coronary Artery Bypass Grafting (POPular CABG): A Randomized, Double-Blind, Placebo-Controlled Trial - [link](#)
- The Expected 30-Year Benefits of Early versus Delayed Primary Prevention of Cardiovascular Disease by Lipid Lowering - [link](#)
- Colchicine in Patients with Acute Coronary Syndrome: The Australian COPS Randomized Clinical Trial - [link](#)

Cochrane Database of Systemic Reviews

- Radiotherapy for neovascular age-related macular degeneration - [link](#)
- Citicoline for treating people with acute ischemic stroke - [link](#)
- Oral 5-aminosalicylic acid for maintenance of remission in ulcerative colitis - [link](#)
- Proton pump inhibitors for chronic obstructive pulmonary disease - [link](#)
- Oral versus intra-vaginal imidazole and triazole anti-fungal treatment of uncomplicated vulvovaginal candidiasis (thrush) - [link](#)
- Antibiotic treatment for *Stenotrophomonas maltophilia* in people with cystic fibrosis - [link](#)

European Heart Journal

- Time-to-treatment initiation of colchicine and cardiovascular outcomes after myocardial infarction in the Colchicine Cardiovascular Outcomes Trial (COLCOT) - [link](#)
- 2020 ESC Guidelines on sports cardiology and exercise in patients with cardiovascular disease - [link](#)
- 2020 ESC Guidelines for the management of adult congenital heart disease - [link](#)
- 2020 ESC Guidelines for the management of acute coronary syndromes in patients presenting without persistent ST-segment elevation - [link](#)
- 2020 ESC Guidelines for the diagnosis and management of atrial fibrillation developed in collaboration with the European Association of Cardio-Thoracic Surgery (EACTS) - [link](#)

European Journal of Hospital Pharmacy

- Impact of CYP2C19 and CYP2C9 gene polymorphisms on sodium valproate plasma concentration in patients with epilepsy - [link](#)

Internal Medicine Journal

- Evidence-practice gaps in P2Y12 inhibitor use after hospitalisation for acute myocardial infarction: findings from a new population-level data linkage in Australia - [link](#)
- The psychosocial burden of inflammatory bowel disease in adolescents and young adults - [link](#)

International Journal of Clinical Pharmacy

- Clinical and economic impact of the use of dexmedetomidine for sedation in the intensive care unit compared to propofol - [link](#)
- Size of the associations between anticholinergic burden tool scores and adverse outcomes in older patients - [link](#)
- Information needs and patient perceptions of the quality of medication information available in hospitals: a mixed method study - [link](#)

JAMA

- Clinical Guidelines Synopsis: Ulcerative Colitis in Adults - [link](#) Audio Clinical review - [link](#)
- Association of New-Onset Atrial Fibrillation after Noncardiac Surgery with Subsequent Stroke and Transient Ischemic Attack - [link](#)

JAMA Cardiology

- Efficacy of Telmisartan to Slow Growth of Small Abdominal Aortic Aneurysms: A Randomized Clinical Trial - [link](#)
- Multichannel Electrocardiograms Obtained by a Smartwatch for the Diagnosis of ST-Segment Changes - [link](#)

JAMA Internal Medicine

- Assessment of Variation in State Regulation of Generic Drug and Interchangeable Biologic Substitutions - [link](#)

JAMA Network Open

- Efficacy and Safety of Antibiotics for Treatment of Scrub Typhus. A Network Meta-analysis - [link](#)
- Type of Androgen Deprivation Therapy and Risk of Dementia among Patients with Prostate Cancer in Taiwan - [link](#)

JAMA Neurology

- Association of Selective Serotonin Reuptake Inhibitor Use after Intracerebral Hemorrhage with Hemorrhage Recurrence and Depression Severity - [link](#)

JAMIA (Journal of the American Medical Informatics Association)

- Predicting complications of diabetes mellitus using advanced machine learning algorithms - [link](#)

Journal of the Australian Healthcare & Hospitals Association

- Factors affecting hepatitis C treatment intentions among Aboriginal people in Western Australia: a mixed-methods study - [link](#)
- Using a computerised database (REDCap) to monitor influenza vaccination coverage of healthcare workers and staff in South Eastern Sydney Local Health District - [link](#)

Journal of Medical Internet Research (JMIR) Medical Informatics

- Role of Artificial Intelligence in Patient Safety Outcomes: Systematic Literature Review - [link](#)

Journal of Patient Safety

- Using Deprescribing Practices and the Screening Tool of Older Persons' Potentially Inappropriate Prescriptions Criteria to Reduce Harm and Preventable Adverse Drug Events in Older Adults - [link](#)
- The Effect of Opioid Stewardship Interventions on Key Outcomes: A Systematic Review – [link](#)
- System-Level Patient Safety Practices That Aim to Reduce Medication Errors Associated with Infusion Pumps: An Evidence Review - [link](#)
- The Use of Patient Monitoring Systems to Improve Sepsis Recognition and Outcomes: A Systematic Review – [link](#)

Journal of Pharmacy Practice and Research (JPPR)

- Antimicrobial stewardship in intensive care: identifying areas for improvement - [link](#)
- Standard of practice in general medicine for pharmacy services - [link](#)

Lancet

- SGLT2 inhibitors in patients with heart failure with reduced ejection fraction: a meta-analysis of the EMPEROR-Reduced and DAPA-HF trials - [link](#)
- Invasive versus non-invasive management of older patients with non-ST elevation myocardial infarction (SENIOR-NSTEMI): a cohort study based on routine clinical data - [link](#)
- Seminar Series: Gastric cancer - [link](#)
- Viewpoint: Initiation, discontinuation, and restarting HIV pre-exposure prophylaxis: ongoing implementation strategies - [link](#)
- Prasugrel-based de-escalation of dual antiplatelet therapy after percutaneous coronary intervention in patients with acute coronary syndrome (HOST-REDUCE-POLYTECH-ACS): an open-label, multicentre, non-inferiority randomised trial - [link](#)
- Effects of a high-dose 24-h infusion of tranexamic acid on death and thromboembolic events in patients with acute gastrointestinal bleeding (HALT-IT): an international randomised, double-blind, placebo-controlled trial - [link](#)

Lancet Infectious Diseases

- Immunogenicity and persistence of trivalent measles, mumps, and rubella vaccines: a systematic review and meta-analysis - [link](#)

Molecular Diversity Preservation International (MDPI) – Pharmacy Journal

- Pilot Study: Evaluating the Impact of Pharmacist Patient-Specific Medication Recommendations for Diabetes Mellitus Therapy to Family Medicine Residents - [link](#)

Medical Journal of Australia

- Hospital policies on complementary medicine: a cross-sectional survey of Australian cancer services - [link](#)

National Institute for Health Research (NIHR)

- Anti-inflammatory drugs do not lift depression in bipolar disorder - [link](#)
- Six versus 12 months' adjuvant trastuzumab in patients with HER2-positive early breast cancer: the PERSEPHONE non-inferiority RCT - [link](#)
- Psychiatric drugs given to children and adolescents have been ranked in order of safety - [link](#)

New England Journal of Medicine

- Colchicine in Patients with Chronic Coronary Disease - [link](#)
- Aspirin with or without Clopidogrel after Transcatheter Aortic-Valve Implantation - [link](#)
- A Randomized Trial of Closed-Loop Control in Children with Type 1 Diabetes - [link](#)
- Early Rhythm-Control Therapy in Patients with Atrial Fibrillation - [link](#)

Pharmacotherapy

- Pharmacokinetics of Vancomycin in Critically Ill Patients Undergoing Sustained Low Efficiency Dialysis - [link](#)

Public Library of Science (PLOS)

- Projections of incident atherosclerotic cardiovascular disease and incident type 2 diabetes across evolving statin treatment guidelines and recommendations: A modelling study - [link](#)

Research in Social and Administrative Pharmacy

- Longitudinal medication reconciliation at hospital admission, discharge and post-discharge - [link](#)

The Pharmaceutical Journal

- Infographic: Preserving Macrolides - [link](#)
- Diabetes: mental health considerations in adults - [link](#) for learning article
- Anaphylaxis: symptoms, causes and diagnosis - [link](#) for learning article
- Anaphylaxis: management – [link](#) for learning article
- Gonorrhoea infection: diagnosis and treatment - [link](#) for learning article
- Evaluating pharmacist interventions using the Simpler tool in Malaysian patients with type 2 diabetes – [link](#)

Thrombosis and Haemostasis

- Direct Oral Anticoagulant Concentrations in Obese and High Body Weight Patients: A Cohort Study - [link](#)

TAG Mail – 27 August 2020

COVID-19 RESOURCES & ARTICLES OF INTEREST

Please click this [link](#) for the cumulative listing of COVID-19 resources in past TAG Mails.

AUSTRALIAN

CEC

- Reminder to complete survey regarding CEC Medication Safety Team support provided during the COVID-19 pandemic. [Survey](#) closes COB Friday 4th September 2020.

Australian Healthcare & Hospitals association

- Deeble Institute Perspectives Brief - Moving towards value-based, patient-centred telehealth to support cancer care – [link](#)

Australian Health Protection Principal Committee (AHPPC) statements

- The national COVID-19 response for residential aged care facilities - [link](#)
- The role of asymptomatic testing - [link](#)

Australian Human Rights Commission

- Guidelines on the rights of people with disability in health and disability care during COVID-19 (2020) - [link](#)

NSW Health

- COVID-19 information for people with disability: new accessible COVID-19 resources including easy read text and factsheets, plain English videos with captioning and transcripts – [link](#)

NSW Health Critical Intelligence Unit – Evidence checks

- Surgical masks and oxygen therapy – what is the evidence for wearing a surgical mask at the same time as an oxygen mask? - [link](#)

PBS

- Simplified prescribing arrangements for chemotherapy patients during the COVID-19 pandemic - [link](#)

Royal Australian College of General Practitioners (RACGP)

- Home-care guidelines for adult patients with mild COVID-19 - [link](#)

INTERNATIONAL

WHO

- Advice on the use of masks for children in the community in the context of COVID-19 - [link](#)
- Exploration of COVID-19 health-care worker cases – [link](#)

UK

National Institute for Health and Care Excellence (NICE)

- COVID-19 rapid guidelines: [NG178](#) renal transplantation (updated); [NG172](#) gastrointestinal and liver conditions treated with drugs affecting the immune response

USA

American College of Medical Toxicology (ACMT)

- ACMT, ACCT, AAPCC Joint Statement on Dangers of Oleandrin - [link](#)

FDA

- Issues Emergency Use Authorization for Convalescent Plasma as Potential Promising COVID-19 Treatment, Another Achievement in Administration's Fight against Pandemic - [link](#)

Infectious Diseases Society of America (IDSA)

- Guidelines on the Treatment and Management of Patients with COVID-19-updated 20/8/20 (in particular use of hydroxychloroquine +/- azithromycin in hospitalised patients) - [link](#)

JOURNAL ARTICLES

Advances in Therapy

- Perspectives on the Early Quality of Evidence Guiding the Therapeutic Management of SARS-CoV-2: A Systematic Literature Review - [link](#)

British Journal of Clinical Pharmacology

- The COVID-19 ibuprofen controversy: A systematic review of NSAIDs in adult acute lower respiratory tract infections - [link](#)

BMJ

Editorial: Covid-19: Less haste, more safety - [link](#)

Cochrane Special Collections

- Coronavirus (COVID-19): infection control and prevention measures - [link](#)
- Coronavirus (COVID-19): remote care through telehealth - [link](#)

DARU Journal of Pharmaceutical Sciences

- Is there any potential management against COVID-19? A systematic review and meta-analysis - [link](#)

EBioMedicine by the Lancet

- Risk of stroke in hospitalized SARS-CoV-2 infected patients: A multinational study - [link](#)

JAMA

- Effect of Remdesivir vs Standard Care on Clinical Status at 11 Days in Patients with Moderate COVID-19. A Randomized Clinical Trial - [link](#)

Journal of Antimicrobial Chemotherapy

- Sofosbuvir and daclatasvir compared with standard of care in the treatment of patients admitted to hospital with moderate or severe coronavirus infection (COVID-19): a randomized controlled trial - [link](#)

Journal of Parenteral and Enteral Nutrition

- Challenges of Maintaining Optimal Nutritional Status in COVID-19 Patients in Intensive Care Settings - [link](#)

Journal of Thrombosis and Thrombolysis

- Letter: Should we consider heparin prophylaxis in COVID-19 patients? A systematic review and meta-analysis - [link](#)

Lancet

- COVID-19 and readjusting clinical trials - [link](#)

Lancet Rheumatology

- Risk of hydroxychloroquine alone and in combination with azithromycin in the treatment of rheumatoid arthritis: a multinational, retrospective study - [link](#)

medRxiv

- Pre-print: Systematic review and patient-level meta-analysis of SARS-CoV-2 viral dynamics to model response to antiviral therapies - [link](#)

MJA

- Pre-print: The perspectives of infectious diseases physicians and clinical microbiologists currently engaged in the response to COVID-19 - [link](#)

PLOS ONE

- A systematic review of trial registry entries for randomized clinical trials investigating COVID-19 medical prevention and treatment - [link](#)

REPORTS AND PUBLICATIONS – AUSTRALIA

AHHA

- Healthcare in Brief 21 Aug 2020 - [link](#)

Australian Institute for Health and Welfare (AIHW)

- Snapshot: Chronic respiratory conditions - [link](#)
- Web reports: [Allergic rhinitis](#) ('hay fever'); [asthma](#); [asthma, associated comorbidities and risk factors](#); [rheumatoid arthritis](#), [juvenile arthritis](#), [osteoporosis](#), [osteoarthritis](#), chronic obstructive pulmonary disease ([COPD](#)); [COPD associated comorbidities and risk factors](#); [back problems](#); [bronchiectasis](#); [gout](#)
- National Partnership on Essential Vaccines: performance report 2018–19 - [link](#)

Australian Diabetes Association & ANZCA

- [Alert](#) (updated January 2020) Peri-procedural Diabetic Ketoacidosis (DKA) with SGLT2 Inhibitor Use

National Centre for Antimicrobial Stewardship

- New Antimicrobial Patient Information [Leaflets](#) (Ciprofloxacin; Fosfomycin; Pristinamycin; Amoxicillin-clavulanic acid; Linezolid; Trimethoprim-sulfamethoxazole; Oseltamivir; Nitrofurantoin; Flucloxacillin; Rifampicin; Rifampicin and fusidic acid)
- New Topical Antifungal Fact [Sheets](#) (Treatment Fact-Sheet; Tips for Use)

NSW Health Intranet

- Warning – Misuse of Fentanyl Patches - [link](#)

TGA

- Clinical trial notification (CTN) form- user guide - [link](#)
- Australian prescription medicine decision summaries:
 - [Tucatinib](#) (Tukysa)

Victorian Institute of Forensic Medicine

- Residential Aged Care Communiqué - [Volume 15 Issue 3 August 2020](#)

REPORTS AND PUBLICATIONS – INTERNATIONAL

Agency for Healthcare Research and Quality (AHRQ) USA

- Retention Strategies for Medications for Addiction Treatment in Adults with Opioid Use Disorder - [link](#)

All Wales Medicines Strategy Group

- Adult Asthma Management and Prescribing Guidelines - [link](#)

Food and Drug Administration (FDA) USA

- Levonorgestrel (Mirena) - New dosing regimen – extending contraception use from 5 years to up to 6 years - [link](#)
 - [Cysteamine ophthalmic](#) (Cystadrops) – new formulation approved allowing less frequent dosing to treat corneal cysteine crystal deposits
 - [IncobotulinumtoxinA](#) (Xeomin) – for upper limb spasticity expanded to include children aged 2 years and older
 - [Tenofovir alafenamide](#) (Vemlidy) updated safety and efficacy information in patients ≥ 65 years old. Now with 24 week safety and efficacy data in virologically suppressed chronic hepatitis B virus infected adults with severe renal impairment or end stage renal disease
 - [Daratumumab](#) (Darzalex) and [Carfilzomib](#) (Kyprolis)– New indication: treatment of adult patients with multiple myeloma in combination daratumumab with carfilzomib and dexamethasone in patients who have received one to three prior lines of therapy.
 - Canagliflozin + metformin HCT ([Invokamet](#)) - approved the removal from the Prescribing Information of the Boxed Warning for Lower Limb Amputation and the removal of the albuminuria condition for continued dosing of patients whose eGFR falls between 30 and less than 45 mL/min/1.73 m²
- New Drug approvals
- [Ofatumumab](#) – for relapsing forms of multiple sclerosis.

Medicines and Healthcare products Regulatory Agency (MHRA)

- Hospital discharge service guidance - [link](#)
- Guidance documents:
 - Hospital discharge service: policy and operating model - Guidance
 - Hospital discharge service: action cards
- Leaflets for patients and their family or friends
 - Hospital discharge leaflet for patients when they enter hospital
 - Leaving hospital to go home: patient leaflet
 - Leaving hospital to go to another place of care: patient leaflet
 - Looking after friends or family when they leave hospital: leaflet

NHS England

-Updated NHS medicine guides available for [budesonide inhalers](#); [budesonide rectal foam and enemas](#); [budesonide nasal spray](#); [mometasone inhaler](#); [beclomethasone creams](#); [letrozole](#); [mirabegron](#), [nystatin](#) and [lithium](#)

National Institute for Health and Clinical Excellence (NICE) UK

- [NG125](#) Surgical site infections: prevention and treatment (updated)
- [CG134](#) Anaphylaxis: assessment and referral after emergency treatment (updated)
- - Lynch syndrome: should I take aspirin to reduce my chance of getting bowel cancer? – [Patient Decision Aid](#) and [User Guide](#).

Royal Pharmaceutical Society

- New guide on supply of stimulant laxatives - [link](#)

Specialist Pharmacy Services

- What factors to consider when advising on medicines suitable for a Halal diet? - [link](#)

MEDICATION SAFETY

electronic Medicines Compendium (eMC) (UK)

- Revised SPCs
- Clomid ([clomifene citrate](#)): warns of rare reports of ovarian cancer with fertility drugs; infertility itself is a primary risk factor.
- [Boostrix-IPV](#) (diphtheria, tetanus, pertussis, poliomyelitis): may be administered subcutaneously to subjects with thrombocytopenia
- Exjade ([deferasirox](#)): now notes that in case of gastrointestinal ulceration or haemorrhage, deferasirox should be discontinued and additional evaluation and treatment must be promptly initiated.
- Cosentyx ([secukinumab](#)): updated to reflect licence extension for treatment of moderate to severe plaque psoriasis in children and adolescents from the age of 6 years who are candidates for systemic therapy.
- Ventolin ([salbutamol](#)) Syrup: updated to warn that potentially serious hypokalaemia may be potentiated by concomitant treatment with diuretics.
- DuoResp Spiromax ([budesonide/formoterol](#)) inhalation powder: Dysphonia including hoarseness added as a common adverse effect.
- Botox ([Botulinum toxin type A](#)): Eyelid oedema has been added as a potential uncommon adverse effect of treatment
- Darzalex ([daratumumab](#)): sepsis added as a common adverse reaction in multiple myeloma patients treated with daratumumab.
- Herceptin ([trastuzumab](#)): revised to warn that dizziness and somnolence may occur.
- Imbruvica ([ibrutinib](#)): updated to warn of cases of haemophagocytic lymphohistiocytosis in patients treated with ibrutinib; and splenic rupture following discontinuation of treatment. Also, now recommends monitoring for signs and symptoms of cardiac failure during treatment.
- Bosulif ([bosutinib](#)): according to population pharmacokinetic analyses, Asians had a lower clearance resulting in increased exposure. Hence, these patients should be closely monitored for adverse reactions especially during dose escalation.
- [Lantus](#) preparations: now emphasises that patients must continuously rotate the injection site to reduce the risk of lipodystrophy and cutaneous amyloidosis. There is a risk of delayed insulin absorption and worsened glycaemic control following insulin injections at sites with these reactions.

Food and Drug Administration (FDA) USA

- FDA approves label changes to hydrochlorothiazide to describe small risk of non-melanoma skin cancer - [link](#)
- Updates on hand sanitizers consumers should not use – [link](#)
- Updates and Press Announcements on NDMA in Metformin - [link](#)

Health Canada – MedEffect Notice

- Prescription Cough and Cold Products Containing Opioids and the Risk of Opioid Use Disorder in Children and Adolescents (< 18 years of age) - [link](#)

Institute for Safe Medication Practices (ISMP) USA

- Medication Safety Alert! [August 27, 2020](#)
- During the Pandemic, Aspire to Identify and Prevent Medication Errors and to Avoid Blaming Attitudes - [link](#)
- That's 15, not 50

Medicines and Healthcare products Regulatory Agency (MHRA) UK

- Stimulant laxatives (bisacodyl, senna and sennosides, sodium picosulfate) available over-the-counter: new measures to support safe use - [link](#)
- Dupilumab in the treatment of children aged 6 to 11 years of age with severe atopic dermatitis (allergic eczema) - [link](#)

TGA

- Serious Shortage Medicine Substitution [Notice](#) issued for Estradot (estradiol) hormone replacement therapy patches
- Shortage alert of Brevinor and Norimin (ethinylestradiol/norethisterone) - [link](#)
- Safety advisory – Hydrochlorothiazide: increased risk of non-melanoma skin cancer - [link](#)

PAPERS OF INTEREST

American Journal of Health-System Pharmacy (AHJP)

- Prophylactic unfractionated heparin and hemorrhage in neurocritically ill underweight patients: A case series and review of the literature - [link](#)
- Improving efficiency through workflow optimization in a pharmacist-run diabetes clinic - [link](#)
- Intranasal esketamine: A novel drug for treatment-resistant depression - [link](#)

American Journal of Kidney Diseases

- Kidney Disease Outcomes Quality Initiative (KDOQI) Clinical Practice Guideline for Nutrition in CKD: 2020 Update - [link](#)

Arthritis and Rheumatology

- High prevalence of the new onset or worsening of Hepatitis-C related musculoskeletal symptoms after commencing direct-acting antiviral therapies: a challenging novel observation - [link](#)

BMJ Quality and Safety

- Validation of automated sepsis surveillance based on the Sepsis-3 clinical criteria against physician record review in a general hospital population: observational study using electronic health records data - [link](#)
- How can patient-held lists of medication enhance patient safety? A mixed-methods study with a focus on user experience - [link](#)

British Journal of Clinical Pharmacology

- Estimation of piperacillin clearance with different glomerular filtration rate formulas in critically ill children - [link](#)
- The effect of sonidegib (LDE225) on the pharmacokinetics of bupropion and warfarin in patients with advanced solid tumours - [link](#)
- Editorial: "The computer says no" Are there tools and algorithms that will help us stop potentially inappropriate medications? - [link](#)
- Themed [edition](#): Immuno-oncology

British Medical Journal (BMJ)

- Risk of amputation with canagliflozin across categories of age and cardiovascular risk in three US nationwide databases: cohort study - [link](#)

BMJ Heart

- Improvement of ejection fraction and mortality in ischaemic heart failure - [link](#)

BMJ Thorax

- Towards a personalised treatment approach for asthma attacks - [link](#)

BMJ Health & Care Informatics

- Changes in medication administration error rates associated with the introduction of electronic medication systems in hospitals: a multisite controlled before and after study - [link](#)

Cochrane Database of Systematic Reviews

- Multiple versus fewer antiplatelet agents for preventing early recurrence after ischaemic stroke or transient ischaemic attack - [link](#)
- Primaquine alternative dosing schedules for preventing malaria relapse in people with Plasmodium vivax - [link](#)
- Antibiotic therapy for pelvic inflammatory disease - [link](#)
- Reduction in saturated fat intake for cardiovascular disease - [link](#)
- Intravenous immunoglobulin for presumed viral myocarditis in children and adults - [link](#)
- Anti-vascular endothelial growth factor for neovascular glaucoma - [link](#)

Diabetes Care

- Metformin Should Not Be Used to Treat Prediabetes - [link](#)

Heart

- Omega-3 supplementation and cardiovascular disease: formulation-based systematic review and meta-analysis with trial sequential analysis - [link](#)

Internal Medicine Journal

- Basal serum cortisol levels predict a normal response to the Synacthen stimulation test in hospitalized patients - [link](#)

International Journal of Evidence-based Healthcare

- A clinical pharmacist-led integrated approach for evaluation of medication errors among medical intensive care unit patients – [link](#)

JAMA

- Effect of Treating Parents Colonized with Staphylococcus aureus on Transmission to Neonates in the Intensive Care Unit. A Randomized Clinical Trial - [link](#)
- Effect of Genotype-Guided Oral P2Y12 Inhibitor Selection vs Conventional Clopidogrel Therapy on Ischemic Outcomes after Percutaneous Coronary Intervention: The TAILOR-PCI Randomized Clinical Trial - [link](#)
- Effect of Vitamin D3 Supplementation on Severe Asthma Exacerbations in Children With Asthma and Low Vitamin D Levels: The VDKA Randomized Clinical Trial – [link](#)

JAMA Insights

- Clinical Update: Polymyalgia Rheumatica and Giant Cell Arteritis – [link](#)

JAMA Cardiology

- Development of Persistent Opioid Use after Cardiac Surgery - [link](#)

JAMA Dermatology

- Effectiveness and Safety of Systemic Therapy for Psoriasis in Older Adults
A Systematic Review - [link](#)
- Inclusion of Older Adults in Randomized Clinical Trials for Systemic Medications for Atopic Dermatitis. A Systematic Review - [link](#)

JAMA Network Open

- Evaluation of Aspirin and Statin Therapy Use and Adherence in Patients with Premature Atherosclerotic Cardiovascular Disease - [link](#)
- Evaluation of 1-Year vs Shorter Durations of Adjuvant Trastuzumab among Patients with Early Breast Cancer. An Individual Participant Data and Trial-Level Meta-analysis - [link](#)

JAMA Neurology

- Efficacy and Safety of 2 Fingolimod Doses vs Glatiramer Acetate for the Treatment of Patients With Relapsing-Remitting Multiple Sclerosis. A Randomized Clinical Trial - [link](#)

JAMA Ophthalmology

- Associations of Variation in Retinal Thickness with Visual Acuity and Anatomic Outcomes in Eyes With Neovascular Age-Related Macular Degeneration Lesions Treated with Anti-Vascular Endothelial Growth Factor Agents - [link](#)

Lancet

- Mifepristone and misoprostol versus misoprostol alone for the management of missed miscarriage (MifeMiso): a randomised, double-blind, placebo-controlled trial - [link](#)

Lancet Haematology

- Perioperative oral eltrombopag versus intravenous immunoglobulin in patients with immune thrombocytopenia: a non-inferiority, multicentre, randomised trial - [link](#)

Lancet Psychiatry

- Pharmacological interventions for smoking cessation among people with schizophrenia spectrum disorders: a systematic review, meta-analysis, and network meta-analysis - [link](#)

- Psychosis relapse during treatment with long-acting injectable antipsychotics in individuals with schizophrenia-spectrum disorders: an individual participant data meta-analysis - [link](#)

Lancet Respiratory Medicine

- Review: Pharmacotherapy for pulmonary arterial hypertension - [link](#)

Molecular Diversity Preservation International (MDPI) – Pharmacy Journal

- Responsible Prescribing of Opioids for Chronic Non-Cancer Pain: A Scoping Review - [link](#)

National Institute for Health Research (NIHR) Signals

- The weekly break from dialysis is harmful to patients with kidney failure - [link](#)

New England Journal of Medicine

- Drug-Coated Balloons for Dysfunctional Dialysis Arteriovenous Fistulas - [link](#)

- Evinacumab for Homozygous Familial Hypercholesterolemia - [link](#)

- Effects of Diet versus Gastric Bypass on Metabolic Function in Diabetes – [link](#)

Pediatrics (American Academy of Pediatrics)

- Clinical Prediction Rule for Distinguishing Bacterial from Aseptic Meningitis - [link](#)

Public Library of Science (PLOS)

- Safety and parasite clearance of artemisinin-resistant Plasmodium falciparum infection: A pilot and a randomised volunteer infection study in Australia - [link](#)

Thrombosis and Haemostasis

- The Anticoagulant and Non-anticoagulant Properties of Heparin - [link](#)

TAG Mail – 20 August 2020

COVID-19 RESOURCES & ARTICLES OF INTEREST

AUSTRALIAN

Australian Government Department of Health

- Prime ministers statement: New deal secures potential COVID-19 vaccine for every Australian - [link](#)

Australian Prescriber Podcasts

- Episode 85 – Managing autoimmune disease during the pandemic - [link](#)

AHHA

- The Health Advocate Covid-19 edition – [August 2020](#)

ASCIA

- Position Statement: Specific Treatments for COVID-19 - [link](#)

CEC

- COVID-19 Infection Prevention and Control: Response and Escalation Framework **FAQs** – [link](#)
- Infection Prevention and Control Application of PPE during COVID-19 update - [link](#)

Health Consumers NSW

- Healthcare Visiting Guide: Enabling family presence in a COVID-19 normal world - [link](#)

NPS MedicineWise

- Management of autoimmune disease during COVID-10 pandemic - [link](#)
- Podcast Episode 11: Are you Choosing Wisely during the pandemic? - [link](#)
- Podcast Episode 10: Shining a light on vitamin D - [link](#)
- New drug: [Remdesevir](#) for COVID-19

NSW Health

- Cancer Services provide care during COVID-19 – [video](#) with Dr Winston Liauw

INTERNATIONAL

Canada

CADTH

- Webinar: Blood Plasma Therapies For COVID-19, 25 August 2020, 12-1pm EDT - [link](#)

Europe

European Centre for Disease Prevention and Control

- Rapid Risk Assessment: Coronavirus disease 2019 (COVID-19) in the EU/EEA and the UK – eleventh update: resurgence of cases - [link](#)

UK

MHRA

- Letter: COVID-19 Research and treatment trials - [link](#)

NICE

- COVID-19 rapid guideline: children and young people who are immunocompromised [[NG174](#)]
- COVID-19 rapid guideline: dialysis service delivery [[NG160](#)]

Social care institute for excellence

- Hospital discharge and preventing unnecessary hospital admissions (COVID-19) - [link](#)

USA

The Joint Commission

- Communication with Patients and Families Regarding Health Care–Associated Exposure to Coronavirus 2019: A Checklist to Facilitate Disclosure – [link](#)

JOURNAL ARTICLES

Australia and New Zealand Journal of Surgery

- Clinical activity and outcomes during Geelong's general surgery response to the coronavirus disease 2019 pandemic - [link](#)

BMJ

- Management of post-acute covid-19 in primary care - [link](#)

BMJ Heart

- Challenges in the management of older patients with acute coronary syndromes in the COVID-19 pandemic - [link](#)

Cochrane

- Digital contact tracing technologies in epidemics: a rapid [review](#)

JAMA

- Viewpoint: COVID-19 and Dexamethasone. A Potential Strategy to Avoid Steroid-Related Strongyloides Hyperinfection - [link](#)
- Policy Implications of the Orphan Drug Designation for Remdesivir to Treat COVID-19 - [link](#)

JAMA Insights

- Clinical Update: Influenza in the COVID-19 era - [link](#)

Journal of Clinical Oncology

- Chemotherapy and COVID-19 Outcomes in Patients with Cancer - [link](#)

Journal of Medical Virology

- Convalescent plasma a clutch at straws in COVID-19 management! systematic review & meta-analysis - [link](#)

Journal of Parental and Enteral Nutrition

- Challenges of Maintaining Optimal Nutritional Status in COVID-19 Patients in Intensive Care Settings – [link](#)

Lancet Infectious Diseases

- COVID-19 and multisystem inflammatory syndrome in children and adolescents - [link](#)

Lancet Respiratory Medicine

- Extracorporeal membrane oxygenation for severe acute respiratory distress syndrome associated with COVID-19: a retrospective cohort study - [link](#)

Lancet Rheumatology

- Tocilizumab among patients with COVID-19 in the ICU: a multicentre observational study - [link](#)

MedRxiv

- Preprint: Comprehensive Systematic Review to identify putative COVID-19 Treatments: Roles for Immunomodulator and Antiviral Treatments - [link](#)
- Preprint: Multisystem inflammatory syndrome in children related to COVID-19: A systematic [review](#)

Medical Journal of Australia

- Cardiovascular disease and COVID-19: Australian and New Zealand consensus statement - [link](#)
- COVID-19, children, and schools: overlooked and at risk - [link](#)

NEJM

- Correspondence: A SARS-CoV-2 mRNA Vaccine — Preliminary Report - [link](#)

The Joint Commission Journal on Quality and Patient Safety

- Communication with patients and families regarding health care – associated exposure to coronavirus 2019: A checklist to facilitate disclosure - [link](#)

REPORTS AND PUBLICATIONS – AUSTRALIA

AHHA

- Healthcare in Brief - [link](#)
- The effective and sustainable adoption of virtual health care - [link](#)

Australian Commission on Safety and Quality in Health Care (ACSQHC)

- Implementation Guide for the Surveillance of Clostridioides difficile infection (updated) - [link](#)
- Resources that support the prevention of SAB infections in healthcare - [link](#)
- Principles for the safe selection and storage of medicines: Guidance on the principles and survey tool - [link](#); Survey tool - [link](#)
- User Guide for the Review of Clinical Variation in Health Care - [link](#)

Australian Institute for Health and Welfare (AIHW)

- National framework for protecting Australia's children indicators - [link](#)
- Profiles of Aboriginal and Torres Strait Islander people with kidney disease - [link](#)
- Hearing health outreach services for Aboriginal and Torres Strait Islander children in the NT - [link](#)

NSW Health Intranet

- Vaccine Storage and Cold Chain Management ([PD2020_028](#)) – Update- replaces PD2017_014
- Take Home Naloxone ([PD2020_027](#)) – replaces Opioid Overdose Response & Take Home Naloxone policy PD2019_036

TGA

- Faecal microbiota transplant (FMT) products regulation - [link](#)
- [Database](#) of section 19A approvals to import and supply medicines to address medicine shortages
- Australian prescription medicine decision summaries:
- Luxturna® ([voretigene neparvovec](#)) – subretinal injection for macular degeneration

REPORTS AND PUBLICATIONS – INTERNATIONAL

Canadian Agency for Drugs and Technologies in Health

- Ketamine for sedation during bronchoscopy procedures: A review of clinical effectiveness, safety, and guidelines - [link](#)
- Transfer of Acutely Ill Pediatric Patients using Pediatric Transport Teams: Clinical Evidence and Guidelines – A 2020 Update - [link](#)
- Once-weekly Isoniazid and Rifapentine for 12 Weeks for the Treatment of Latent Tuberculosis Infection: Clinical Utility and Cost-Effectiveness - [link](#)

electronic Medicines Compendium (eMC) (UK)

- New products
- [Metaraminol](#) 0.5 mg/ml, Solution for Injection for the treatment of acute hypotension due to loss of vasoconstrictor tone as may occur during spinal anaesthesia and as an adjunct to accepted remedial procedures
- Rozlytrek® ([entrectinib](#)) capsules - for use as monotherapy for the treatment of certain adult and paediatric patients ≥12 years of age with solid tumours expressing a neurotrophic tyrosine receptor kinase gene fusion, and for the treatment of adults with ROS1-positive, advanced NSCLC.
- Licence extension
- Xolair® ([omalizumab](#)) injection - updated to reflect license extension for use as an add-on therapy with intranasal corticosteroids for severe chronic rhinosinusitis with nasal polyps in adults for whom therapy with intranasal corticosteroids do not provide adequate disease control.

Food and Drug Administration (FDA) USA

- New Drug approvals
- Enspryng® ([satralizumab](#)) for rare disease affecting optic nerves, spinal cord (neuromyelitis optica spectrum disorder)
- Vilterso® ([viltolarsen](#)) for rare duchenne muscular dystrophy mutation

NHS England

- Steroid Emergency Card to support early recognition and treatment of adrenal crisis in adults - [link](#)

National Institute for Health and Clinical Excellence (NICE) UK

- Brentuximab vedotin in combination for untreated systemic anaplastic large cell lymphoma - guidance ([TA641](#))
- Gilteritinib for treating relapsed or refractory acute myeloid leukaemia ([TA642](#))
- Entrectinib for treating ROS1-positive advanced non-small-cell lung cancer – guidance ([TA643](#))
- Entrectinib for treating NTRK fusion-positive solid tumours – guidance ([TA644](#))
- Perioperative care in adults – guidance ([NG180](#))
- Rehabilitation for adults with complex psychosis – guidance ([NG181](#))

Nuffield Trust (UK)

- Antibiotic prescribing indicators - [link](#)

Specialist Pharmacy Services

- Patient Group Direction template: Administration of IM medroxyprogesterone acetate injection - [link](#)

MEDICATION SAFETY

electronic Medicines Compendium (eMC) (UK)

- [Isatuximab](#) risk minimisation materials: managing risk of interference with blood compatibility tests
- Renal and bone effects risk minimisation material: [tenofovir disoproxil](#) for children & adolescents
- Revised SPCs
- Buccolam® ([midazolam](#)) oromucosal solution – angioedema has been added as a potential adverse effect of treatment
- Co-cyprindiol® ([cyproterone acetate, ethinylestradiol](#)) tablets – contraindicates use in meningiomas (single and multiple) which have been reported in association with use of cyproterone acetate, especially at high doses of 25 mg and above and for prolonged time.
- Dalacin T® ([clindamycin](#)) Topical Solution - post-marketing studies have indicated a very low incidence of pseudomembranous colitis with Dalacin T Lotion, be alert to the development of antibiotic-associated diarrhea/colitis, and it should be stopped immediately if diarrhoea occurs.
- Rapifen® ([alfentanil](#)) Added information on drug dependence, tolerance and potential for abuse, drug withdrawal syndrome, hyperalgesia, the risk from concomitant use of CNS depressants, and on use during pregnancy and breastfeeding.
- Eliquis® ([apixaban](#)) tablets -angioedema added as an adverse drug reaction of unknown frequency.
- Restandol® Testocaps ([testosterone undecanoate](#)) - updated to advise that this product contains castor oil, which may cause stomach upset and diarrhoea.
- Solu-Cortef® ([hydrocortisone sodium succinate](#)) updated to warn that hypertrophic cardiomyopathy has been reported after administration to prematurely born infants.
- Votrient® ([pazopanib](#)) tablets –updated to warn of reports of tumour lysis syndrome (TLS) including fatal TLS, linked to use of pazopanib. It suggests preventative measures, such as treatment of high uric acid levels and IV hydration, should be considered prior to initiation of pazopanib.
- Botox ([botulinum toxin type A](#)) injection - Eyelid oedema has been added as a potential uncommon adverse effect of treatment

Food and Drug Administration (FDA) USA

- New recommendations for naloxone - [link](#)

Medicines and Healthcare products Regulatory Agency (MHRA) UK

- Stimulant laxatives (bisacodyl, senna and sennosides, sodium picosulfate) available over-the-counter: new measures to support safe use - [link](#)

PAPERS OF INTEREST

Advances in Therapy

- Asthma-Related Health Outcomes Associated with Short-Acting β_2 -Agonist Inhaler Use: An Observational UK Study as Part of the SABINA Global Program - [link](#)

American Journal of Health-System Pharmacy (AHJP)

- The pharmacist's role in implementation of the ABCDEF bundle into clinical practice - [link](#)
- Possible apixaban-induced leukocytoclastic vasculitis - [link](#)

Annals of Internal Medicine

- Three-Year Outcomes of Bariatric Surgery in Patients with Obesity and Hypertension - [link](#)
- Nonpharmacologic and Pharmacologic Management of Acute Pain From Non–Low Back, Musculoskeletal Injuries in Adults: A Clinical Guideline From the American College of Physicians and American Academy of Family Physicians. A Randomized Clinical Trial - [link](#)
- Predictors of Prolonged Opioid Use after Initial Prescription for Acute Musculoskeletal Injuries in Adults. A Systematic Review and Meta-analysis of Observational Studies - [link](#)
- Management of Acute Pain From Non–Low Back Musculoskeletal Injuries. A Systematic Review and Network Meta-analysis of Randomized Trials - [link](#)

BMJ Quality and Safety

- Associations between double-checking and medication administration errors: a direct observational study of paediatric inpatients - [link](#)
- Variation in timely surgery for hip fracture by day and time of presentation: a nationwide prospective cohort study from the National Hip Fracture Database for England, Wales and Northern Ireland - [link](#)

British Journal of Clinical Pharmacology

- Long-term trajectories of medicine use among older adults experiencing polypharmacy in Australia - [link](#)
- Why we should sample sparsely and aim for a higher target: Lessons from model-based therapeutic drug monitoring of vancomycin in intensive care patients - [link](#)
- Using pharmacy dispensing data to predict falls in older individuals - [link](#)
- Use of proton pump inhibitors is associated with lower rates of first-time ischemic stroke in community-dwelling elderly - [link](#)
- Metamizole but not ibuprofen reduces the plasma concentration of sertraline: Implications for the concurrent treatment of pain and depression/anxiety disorders - [link](#)

British Medical Journal (BMJ)

- Self-management interventions to reduce healthcare use and improve quality of life among patients with asthma: systematic review and network meta-analysis - [link](#)

Cochrane Database of Systematic Reviews

- Erythropoietin plus iron versus control treatment including placebo or iron for preoperative anaemic adults undergoing non-cardiac surgery - [link](#)
- Metformin versus the combined oral contraceptive pill for hirsutism, acne, and menstrual pattern in polycystic ovary syndrome - [link](#)
- Oral 5-aminosalicylic acid for induction of remission in ulcerative colitis - [link](#)
- Oral non-steroidal anti-inflammatory drugs versus other oral analgesic agents for acute soft tissue injury - [link](#)
- Endovascular therapy versus medical treatment for symptomatic intracranial artery stenosis - [link](#)

Diabetes Care

- Risk of Anemia With Metformin Use in Type 2 Diabetes: A MASTERMIND Study - [link](#)
- Efficacy and Safety Over 2 Years of Exenatide Plus Dapagliflozin in the DURATION-8 Study: A Multicenter, Double-Blind, Phase 3, Randomized Controlled Trial - [link](#)

European Journal of Hospital Pharmacy

- Successful treatment of interstitial pneumonitis with anakinra in a patient with adult-onset Still's disease. A case report - [link](#)

Internal Medicine Journal

- Outcomes and anticoagulation use for elderly patients that present with an Acute Hip Fracture: multi-centre, retrospective analysis - [link](#)
- Tinzaparin for venous thromboembolism in patients with renal impairment – a single-centre, prospective pilot study - [link](#)
- A Practical Approach to Vertigo: A Synthesis of the Emerging Evidence - [link](#)

International Journal of Clinical Pharmacy

- Exploring pharmacists' views on an in-pharmacy medication review program in Australia using a mixed-methods design - [link](#)
- Deprescribing in geriatric inpatients is associated with a lower readmission risk: a case control [study](#)

International Journal for Quality in Health Care

- Ethical Frameworks for Quality Improvement Activities: An Analysis of International Practice – [link](#)
- Association of continuity of care with readmission, mortality, and suicide after hospital discharge among psychiatric patients - [link](#)

JAMA

- Effect of Ascorbic Acid, Corticosteroids, and Thiamine on Organ Injury in Septic Shock The ACTS Randomized Clinical Trial - [link](#)

- Effect of a Collaborative Care Model on Depressive Symptoms and Glycated Hemoglobin, Blood Pressure, and Serum Cholesterol Among Patients With Depression and Diabetes in India. The INDEPENDENT Randomized Clinical Trial - [link](#)

JAMA Cardiology

- Cost-effectiveness of Sacubitril-Valsartan in hospitalized patients who have Heart Failure with reduced ejection fraction - [link](#)
- Efficacy and Safety of PCSK9 Inhibition With Evolocumab in Reducing Cardiovascular Events in Patients With Metabolic Syndrome Receiving Statin Therapy. Secondary Analysis From the FOURIER Randomized Clinical Trial - [link](#)

JAMA Dermatology

- Association Between Topical Calcineurin Inhibitor Use and Keratinocyte Carcinoma Risk among Adults with Atopic Dermatitis - [link](#)
- Efficacy and Safety of Abrocitinib in Patients With Moderate-to-Severe Atopic Dermatitis - [link](#)
- Association between medication use and bullous pemphigoid. A systematic review and meta-analysis - [link](#)

JAMA Facial Plastic Surgery

- Case Series of Botulinum Toxin Administered to Pregnant Patients and Review of the Literature - [link](#)

JAMA Internal Medicine

- Effect of Sustained-Release Morphine for Refractory Breathlessness in Chronic Obstructive Pulmonary Disease on Health Status. A Randomized Clinical Trial - [link](#)
- Evaluation of the Cost-effectiveness of Infection Control Strategies to Reduce Hospital-Onset Clostridioides difficile Infection - [link](#)

JAMA Network Open

- Effect of D-Cycloserine on the Effect of Concentrated Exposure and Response Prevention in Difficult-to-Treat Obsessive-Compulsive Disorder. A Randomized Clinical Trial - [link](#)
- Assessment of Relationship of Ketamine Dose With Magnetic Resonance Spectroscopy of Glx and GABA Responses in Adults With Major Depression. A Randomized Clinical Trial - [link](#)

JAMA Neurology

- Patient Assisted Intervention for Neuropathy: Comparison of Treatment in Real Life Situations (PAIN-CONTRoLS). Bayesian Adaptive Comparative Effectiveness Randomized Trial - [link](#)
- Effect of Endovascular Treatment With Medical Management vs Standard Care on Severe Cerebral Venous Thrombosis. The TO-ACT Randomized Clinical Trial - [link](#)

JAMA Oncology

- Effect of Adjuvant Paclitaxel and Carboplatin on Survival in Women With Triple-Negative Breast Cancer
A Phase 3 Randomized Clinical Trial - [link](#)
- Viewpoint: Adjuvant vs Salvage Radiation Therapy for High-Risk Prostate Cancer Following Radical Prostatectomy - [link](#)

JAMA Ophthalmology

- Association of Weight-Adjusted Caffeine and β -Blocker Use With Ophthalmology Fellow Performance During Simulated Vitreoretinal Microsurgery - [link](#)

JAMA Otolaryngology–Head & Neck Surgery

- Evaluating Adjuvant Therapy With Chemoradiation vs Radiation Alone for Patients With HPV-Negative N2a Head and Neck Cancer - [link](#)

JAMA Pediatrics

- Effect of High-Dose Erythropoietin on Blood Transfusions in Extremely Low Gestational Age Neonates Post Hoc Analysis of a Randomized Clinical Trial - [link](#)

JAMA Psychiatry

- Efficacy of Yoga vs Cognitive Behavioral Therapy vs Stress Education for the Treatment of Generalized Anxiety Disorder. A Randomized Clinical Trial - [link](#)

Journal of Pharmacy Practice

- Improved medication management with introduction of a perioperative and prescribing pharmacist service - [link](#)

Journal of Pharmacy Practice and Research (JPPR)

- Standard of practice in general medicine for pharmacy services - [link](#)

Lancet

- Chronic pancreatitis - [link](#)

Lancet Diabetes & Endocrinology

- Review: Gestational diabetes: opportunities for improving maternal and child health - [link](#)

Lancet Gastroenterology & Hepatology

- Lubiprostone in patients with non-alcoholic fatty liver disease: a randomised, double-blind, placebo-controlled, phase 2a trial - [link](#)

- Antibiotic use and the development of inflammatory bowel disease: a national case-control study in Sweden - [link](#)

Lancet Infectious Diseases

- Accuracy of HBeAg to identify pregnant women at risk of transmitting hepatitis B virus to their neonates: a systematic review and meta-analysis - [link](#)

- Efficacy and safety of antiviral prophylaxis during pregnancy to prevent mother-to-child transmission of hepatitis B virus: a systematic review and meta-analysis - [link](#)

Lancet Haematology

- CAR T-cell therapy for cancer and HIV through novel approaches to HIV-associated haematological malignancies - [link](#)

Lancet Neurology

- Review: Advances in diagnosis, classification, pathophysiology, and management of trigeminal neuralgia - [link](#)

Lancet Oncology

- Effect of mammographic screening from age 40 years on breast cancer mortality (UK Age trial): final results of a randomised, controlled trial - [link](#)

Molecular Diversity Preservation International (MDPI) – Pharmacy Journal

- An Evaluation of the Impact of Barcode Patient and Medication Scanning on Nursing Workflow at a UK Teaching Hospital - [link](#)

- The Consequences of General Medication Beliefs Measured by the Beliefs about Medicine Questionnaire on Medication Adherence: A Systematic Review - [link](#)

- The Roles and Responsibilities of Community Pharmacists Supporting Older People with Palliative Care Needs: A Rapid Review of the Literature – [link](#)

National Institute for Health Research (NIHR) Signals

- Fluoxetine does not improve outcomes after stroke - [link](#)

New England Journal of Medicine

- Azacitidine and Venetoclax in Previously Untreated Acute Myeloid Leukemia - [link](#)

- Compression Therapy to Prevent Recurrent Cellulitis of the Leg - [link](#)

- Epigenetic Therapies for Cancer - [link](#)

- Atypical Femur Fracture Risk versus Fragility Fracture Prevention with Bisphosphonates - [link](#)

- Review: Trigeminal Neuralgia - [link](#)

Pediatric Quality and Safety

- Reducing Antibiotic Prescription Errors in the Emergency Department: A Quality Improvement Initiative - [link](#)
- Reducing Opioid Exposure in a Level IV Neonatal Intensive Care Unit - [link](#)

Pharmacotherapy: The Journal of Human Pharmacology & Drug Therapy

- Editorial: Evolution and Innovation in Hematopoietic Cell Transplantation and Cellular Immunotherapy: Critical Updates in Therapeutics - [link](#)

Prescriber UK

- What do patients ask when using a medicines helpline service? - [link](#)
- Diagnosis and management of mild to moderate psoriasis - [link](#)

Public Library of Science (PLOS)

- Variation in antibiotic prescription rates in febrile children presenting to emergency departments across Europe (MOFICHE): A multicentre observational study - [link](#)
- Hypertensive disorders of pregnancy and the risk of chronic kidney disease: A Swedish registry-based cohort study - [link](#)

TAG Mail – 13 August 2020

COVID-19 RESOURCES & ARTICLES OF INTEREST

Please click this [link](#) for the cumulative listing of COVID-19 resources in past TAG Mails.

AUSTRALIAN

Australian Commission on Safety and Quality in Health Care

- COVID-19 - Elective Surgery and infection prevention and control precautions – [Fact sheet](#)
- Updated FAQs for [clinicians](#) and [consumers](#) on elective surgery
- COVID-19 infection prevention and control risk management – [Guidance](#).
- COVID-19 and face masks – [Information](#) for consumers; [FAQs](#) on community use of face masks

CEC

- CEC Medication Safety Team [survey](#) (for completion by any staff member affiliated with NSW Health who is interested in improving medication safety)
- Adult Sepsis Antibiotic Administration Table - [link](#)

National COVID-19 Clinical Evidence Taskforce

- [Updates](#) this week include (6 AUGUST 2020): Hydroxychloroquine; Media release on hydroxychloroquine; Immunoglobulin plus methylprednisolone

NSW Health Critical Intelligence Unit – Evidence checks

- Immunotherapies, medical waste, healthcare worker wellbeing - [link](#)

NSW MedicineWise

- Immunosuppression for COVID-19: repurposing medicines in a pandemic - [link](#)
- COVID-19 information in community languages – [link](#)

Sydney Partnership for Health, Education, Research and Enterprise (SPHERE)

- Reaching those who need it most with a COVID-19 message they can understand and act upon - [link](#) (a series of 36 fact sheets (available in multiple languages) containing medical advice and instructions covering Arthritis, Asthma, Cardiovascular Health, Diabetes and Stroke)

INTERNATIONAL

OECD

- Greater harmonisation of clinical trial regulations would help the fight against COVID-19 - [link](#)

Canada

CADTH COVID-19 Webinar: Blood Plasma Therapies for COVID-19, Tuesday, August 25, 2020
Time: 12:00 p.m. to 1:00 p.m. EDT - [link](#)

UK

Centre for Evidence-Based Medicine

- Severe mental illness and risks from COVID-19 - [link](#)
- Covid-19: Guidelines for Community Palliative Care – which is the ‘Best in Show’? - [link](#)
- Drug vignettes: Remdesivir – [link](#)

Centre for Aging Better

- The experience of people approaching later life in lockdown: The impact of COVID-19 on 50-70-year olds in England - [link](#)

Department of Health and Social Care

- REACT-1 study of coronavirus (COVID-19) transmission-June 2020 results - [link](#)

Public Health England

- Guidance: Mouth care for hospitalised patients with confirmed or suspected COVID-19 - [link](#)

NICE

JOURNAL ARTICLES

BMJ

- Cost of contact: redesigning healthcare in the age of COVID - [link](#)

Cancer Discovery

- Clinical portrait of the SARS-CoV-2 epidemic in European cancer patients - [link](#)

Diabetes Care

- Preadmission Diabetes-Specific Risk Factors for Mortality in Hospitalized Patients with Diabetes and Coronavirus Disease 2019 - [link](#)
- Hyperglycemia at Hospital Admission Is Associated with Severity of the Prognosis in Patients Hospitalized for COVID-19: The Pisa COVID-19 Study - [link](#)

European Journal of Hospital Pharmacy

- Informing critical care drug requirements in response to the COVID-19 pandemic - [link](#)

Expert Review of Clinical Immunology

- Swinging the pendulum: lessons learned from public discourse concerning hydroxychloroquine and COVID-19 - [link](#)

Heart, Lung and Circulation

- Patients With Genetic Heart Disease and COVID-19: A Cardiac Society of Australia and New Zealand (CSANZ) Consensus Statement - [link](#)
- Rural and Remote Cardiology during the COVID-19 Pandemic: CSANZ Consensus Statement - [link](#)
- COVID-19 and Acute Heart Failure: Screening the Critically Ill – A Position Statement CSANZ - [link](#)
- Optimising Secondary Prevention and Cardiac Rehabilitation for Atherosclerotic Cardiovascular Disease During the COVID-19 Pandemic: A Position Statement From the CSANZ – [link](#)
- CSANZ Position Statement on the Evaluation of Patients Presenting With Suspected Acute Coronary Syndromes During the COVID-19 Pandemic - [link](#)

Patient Experience Journal

- A COVID-19 patient's experience: Engagement in disease management, interactions with care teams and implications on health policies and managerial practices - [link](#)
- Insights from individuals with chronic conditions in the context of COVID-19 - [link](#)
- Patient experience in a pediatric emergency department during COVID-19 - [link](#)

Polish Archives of Internal Medicine

- Antiviral agents, glucocorticoids, antibiotics, and intravenous immunoglobulin usage in 1142 patients with coronavirus disease 2019: a systematic review and meta-analysis – [link](#)

JAMA

- Viewpoint: Recovery from severe COVID-19 leveraging the lessons of survival from sepsis - [link](#)
- Covid-19 in Canada: Experience and Response - [link](#)

JAMA Cardiology

- Brief Report: Case Rates, Treatment Approaches, and Outcomes in Acute Myocardial Infarction during the Coronavirus Disease 2019 Pandemic - [link](#)

JAMA Internal Medicine

- Clinical Course and Molecular Viral Shedding among Asymptomatic and Symptomatic Patients With SARS-CoV-2 Infection in a Community Treatment Center in the Republic of Korea - [link](#)

JAMA Pediatrics

- Viewpoint: Clarifying the sweeping consequences of COVID-19 in pregnant women, newborns, and children with existing cohorts - [link](#)

Lancet

- Letters: Anakinra for severe forms of COVID-19 - [link](#) and [link](#)

Life Science

- The immune system as a target for therapy of SARS-CoV-2: A systematic review of the current immunotherapies for COVID-19 - [link](#)

medRxiv Pre-prints:

- Tocilizumab in hospitalized patients with COVID-19: Clinical outcomes, inflammatory marker kinetics, safety, and a review of the literature - [link](#)

- Telmisartan for treatment of Covid-19 patients: an open randomized clinical trial. Preliminary [report](#)

- A Systematic Review of the Cardiovascular Manifestations and Outcomes in the Setting of Coronavirus-19 Disease - [link](#)

- Janus Kinase-Inhibitor and Type I Interferon Ability to Produce Favorable Clinical Outcomes in COVID-19 Patients: A Systematic Review and Meta-Analysis - [link](#)

The Lancet Global Health

- Effect of the COVID-19 pandemic response on intrapartum care, stillbirth, and neonatal mortality outcomes in Nepal: a prospective observational study - [link](#)

The Lancet HIV

- Potential effects of disruption to HIV programmes in sub-Saharan Africa caused by COVID-19: results from multiple mathematical models - [link](#)

The New England Journal of Medicine

- A Randomized Trial of Hydroxychloroquine as Postexposure Prophylaxis for Covid-19 - [link](#)

REPORTS AND PUBLICATIONS – AUSTRALIA

Australian Health Review - [link](#)

--Are pharmacists willing to work in disasters?

--It's time for the mandatory use of simulation and human factors in hospital design

--Predictors of ED attendance in older patients with chronic disease: a data linkage study

--Integrating a pharmacist into the perioperative setting

--Does policy change to allow pharmacist provision of influenza vaccination increase population uptake? A systematic review

Australian Institute for Health and Welfare (AIHW)

- Deaths in Australia - [link](#)

- Overweight and obesity in Australia: an updated birth cohort analysis - [link](#)

- Overweight and obesity among Australian children and adolescents - [link](#)

- A framework for monitoring overweight and obesity in Australia - [link](#)

TGA

- Study affirms safety of human papillomavirus (HPV) vaccine - [link](#)

- [Database](#) of section 19A approvals to import and supply medicines to address medicine shortages

- Australian prescription medicine decision summaries:

- Fluzone High-Dose Quadrivalent (inactivated quadrivalent influenza vaccine (split virion) influenza virus haemagglutinin) for active immunisation for the prevention of influenza disease. Indicated for persons 65 years of age and older - [link](#)
- Luxturna® ([voretigene neparvovec](#)) for inherited retinal dystrophy caused by RPE65 mutations
- Registration of [new chemical entities](#) in Australia:
- Fluzone High Dose Quadrivalent vaccine.

REPORTS AND PUBLICATIONS – INTERNATIONAL

Academy of Medical Royal Colleges

- Evidence-Based Interventions - Engagement document - [link](#)

Agency for Healthcare Research and Quality (AHRQ) USA

- Care Interventions for People Living with Dementia and Their Caregivers - [link](#)
- Retention Strategies for Medications for Addiction Treatment in Adults with Opioid Use Disorder- [link](#)

Canadian Agency for Drugs and Technologies in Health

- Rapid Response: Ondansetron in Patients Requiring Anti-Emetics: A Review of Clinical Effectiveness, Cost-Effectiveness, and Guidelines - [link](#)
- Rapid Response: Montelukast for Patients with Asthma: Clinical Effectiveness - [link](#)

electronic Medicines Compendium (eMC) (UK)

- New products
- Piqray® ([alpelisib](#)) licensed in combination with fulvestrant for treatment of postmenopausal women, and men, with locally advanced or metastatic breast cancer with a PIK3CA mutation, after disease progression following endocrine therapy as monotherapy.
- Rybelsus™ ([semaglutide](#)) licensed for treatment of adults with insufficiently controlled type 2 diabetes mellitus to improve glycaemic control as an adjunct to diet and exercise.
- Fluarix Tetra ([influenza](#)) vaccine complies with the WHO recommendation (northern hemisphere) and EU recommendation for the 2020/2021 season.

Food and Drug Administration (FDA) USA

- New Drug approvals
- FDA approves IV opioid Oliceridine for short-term use - [link](#)
- FDA approves first oral treatment (rispediplam) for spinal muscular atrophy - [link](#)
- FDA approves Belantamab in relapsed and refractory multiple myeloma - [link](#)

Health Quality & Safety Commission New Zealand

- Benefits and risks of taking anti-seizure medicines for epilepsy, mental health, or pain - [link](#)
- Medicines for epilepsy, mental health, and pain can harm your unborn baby. Booklet and flyer - [link](#)

NHS Improvement

- Risk of death from unintended administration of sodium nitrite - [link](#)

National Institute for Health and Clinical Excellence (NICE) UK

- Treosulfan with fludarabine for malignant disease before allogeneic stem cell transplant – guidance ([TA640](#))
- Decision making and mental capacity – guidance ([QS194](#))
- Shared Learning Database: Venous Thromboembolism Risk Assessment in Psychiatric Inpatients [Audit](#)

Specialist Pharmacy Services

- New Medicines Newsletter July 2020 - [link](#)
- Can topical steroids be applied at the same time as emollients? - [Link](#)
- Patient Group Direction use in End of Life Care - [link](#)
- Oseltamivir or zanamivir – can they be used in breastfeeding mothers for the treatment or prophylaxis of influenza? - [link](#)
- Advice on the preparation and/or administration of contrast agents supplied under a Patient Group Direction - [link](#)

MEDICATION SAFETY

electronic Medicines Compendium (eMC) (UK)

- Revised SPCs
- Abasaglar ([insulin glargine](#)): advises continuous rotation of injection site to reduce risk of lipodystrophy and cutaneous amyloidosis and warns of potential risk of delayed insulin absorption following insulin injections at sites with these reactions.
- Adecris ([brentuximab vedotin](#)) warning that elderly patients may be more susceptible to adverse events such as pneumonia, neutropenia and febrile neutropenia.
- Cimzia ([certolizumab pegol](#)) - after at least 1 year of treatment, in patients with sustained remission, a reduced maintenance dose of 200 mg every 4 weeks may be considered in axial spondyloarthritis.
- Cosentyx ([secukinumab](#)) - cases of new or exacerbations of inflammatory bowel disease (IBD) have been reported. Not recommended in patients with IBD and should be discontinued in those who develops signs and symptoms or a flare up of IBD.
- [Dolutegravir](#) products – occurrence of neural tube defects included.
- Genotropin ([somatropin](#)) – non-serious hyper sensitivity as an adverse event included.
- Keppra ([levetiracetam](#)) - warns that it may rarely exacerbate seizure frequency/severity. This paradoxical effect was mostly reported within 1st month after start of treatment or increase of dose and was reversible upon drug discontinuation or dose decrease
- Zocor ([simvastatin](#)) additional adverse events: blurred vision and visual impairment (rare), lichenoid drug eruptions (very rare), muscle rupture (very rare), and gynecomastia (very rare).
- Colestid ([colestipol](#)) affects absorption of chlorothiazide. It may also reduce mycophenolic acid exposure and potentially reduce efficacy of mycophenolate mofetil.
- Cymbalta ([duloxetine](#)) pregnancy section updated
- Plavix ([clopidogrel](#))- drug-drug interaction with rifampicin added.
- [Atripla](#) (tenofovir disoproxil fumarate/efavirenz/emtricitabine) - co-administration of glecaprevir/pibrentasvir with Atripla not recommended due to occasional reports of contraceptive failure with etonogestrel in efavirenz-exposed patients.
- [Duodopa](#) (levodopa/carbidopa) intestinal gel – polyneuropathy has been reported. Advises before starting therapy, and periodically thereafter, patients should be evaluated for history or signs of polyneuropathy and known risk factors.
- Imfinzi ([durvalumab](#)) immune-related adverse reactions have been observed in patients treated with monotherapy: meningitis (rare), encephalitis and Guillain-Barre syndrome (both frequency unknown).
- Monuril ([fosfomycin](#)) contraindicated in severe renal insufficiency (creatinine clearance < 10mL/min) and haemodialysis.
- Qutenza™ ([capsaicin](#)) 179mg cutaneous patch - now advises re-treatment after less than 90 days can be considered for individual patients only after a careful assessment by the physician. A minimum interval of 60 days between treatments should be observed
- Nordimet™ ([methotrexate](#)) solution for injection in pre-filled syringe - now states that concomitant use of nitrous oxide and methotrexate should be avoided. Oedema (frequency unknown), skin exfoliation (frequency unknown) and hypoaesthesia (very rare) added as potential adverse effects.
- Educational risk minimisation materials
- Jinarc ([tolvaptan](#)) tablets
- Direct healthcare professional communication
- 5-fluorouracil (IV), Capecitabine and tegafur containing products- [link](#)

Institute for Safe Medication Practices (ISMP) USA

- Medication Safety Alert! [August 13, 2020](#)
- Compounded Sterile Preparation (CSP) Accuracy and Error Prevention Should Be Both a Leadership and Regulatory Mandate
- ISMP survey on pharmacy compounding
- Use barcode scanning for inventory replacement

PAPERS OF INTEREST

American Journal of Health-System Pharmacy (AHJP)

- Key articles and guidelines for the emergency medicine clinical pharmacist: 2011-2018 update - [link](#)

BMJ Quality and Safety

- Prevalence and characterisation of diagnostic error among 7-day all-cause hospital medicine readmissions: a retrospective cohort study - [link](#)
- BMJ Practice: Insect Bites - [link](#)

British Journal of Clinical Pharmacology

- The changing face of paracetamol toxicity and new regimens for an old antidote acetylcysteine - [link](#)
- Similar pharmacokinetics of three dosing regimens comprising two oral delayed-release mesalazine formulations in healthy adult volunteers: Randomised, open-label, parallel-group study - [link](#)
- Impairment of endoxifen formation in tamoxifen-treated premenopausal breast cancer patients carrying reduced-function CYP2D6 alleles - [link](#)

British Medical Journal (BMJ)

- Clinical Review: Pulmonary embolism: update on management and controversies - [link](#)
- Distinguishing between type 1 and type 2 diabetes - [link](#)

Cochrane Database of Systematic Reviews

- Anti-IL-12/23p40 antibodies for maintenance of remission in Crohn's disease - [link](#)
- Pharmacological interventions for treatment-resistant depression in adults - [link](#)
- Target of rapamycin inhibitors (TOR-I; sirolimus and everolimus) for primary immunosuppression in kidney transplant recipients - [link](#)
- Treatments for preventing recurrence of infection with *Pseudomonas aeruginosa* in people with cystic fibrosis - [link](#)
- Drug treatment for spinal muscular atrophy type I - [link](#)
- Modafinil for people with schizophrenia or related disorders - [link](#)
- Prophylactic antibiotics for penetrating abdominal trauma: duration of use and antibiotic choice - [link](#)
- Shortened treatment regimens versus the standard regimen for drug-sensitive pulmonary tuberculosis - [link](#)
- Iron therapy for preoperative anaemia - [link](#)
- Probiotics for people with cystic fibrosis - [link](#)
- Pharmacological, psychological, and non-invasive brain stimulation interventions for treating depression after stroke - [link](#)
- Late erythropoiesis-stimulating agents to prevent red blood cell transfusion in preterm or low birth weight infants - [link](#)
- Intravenous immunoglobulin for suspected or proven infection in neonates - [link](#)

Diabetes Care

- Reducing Inpatient Hypoglycemia in the General Wards Using Real-Time Continuous Glucose Monitoring: The Glucose Telemetry System, a Randomized Clinical Trial - [link](#)
- Sodium–Glucose Cotransporter 2 Inhibitors and the Risk of Below-Knee Amputation: A Multicenter Observational Study - [link](#)

Heart, Lung and Circulation

- Adherence to Cardiac Medications in Patients with Atrial Fibrillation: A Pilot Study - [link](#)
- An Economic Evaluation of the All New Zealand Acute Coronary Syndrome Quality Improvement Registry Program (ANZACS-QI 28) - [link](#)
- Inhaled Iloprost and Oral Sildenafil Combination Therapy: Is it a Chance for Heart Transplant Candidacy? [link](#)
- Survival after an Acute Heart Failure Admission. Twelve-Month Outcomes From the NSW HF Snapshot Study - [link](#)
- Transitions in Atrial Fibrillation Care: A Systematic Review - [link](#)

International Journal of Clinical Pharmacy

- The impact of pharmaceutical care on the efficacy and safety of transdermal glucosamine sulfate and capsaicin for joint pain - [link](#)

International Journal of Environmental Research and Public Health

- A Review of Models Used for Investigating Barriers to Healthcare Access in Australia - [link](#)

JAMA

- Effect of long-term Vitamin D3 supplementation vs placebo on risk of depression or clinically relevant depressive symptoms and on change in mood scores. A Randomized Clinical Trial - [link](#)
- JAMA Insights: Current perspective on age-related macular degeneration - [link](#)
- Heart Failure with Reduced Ejection Fraction: A [Review](#)
- Management of Acute Pulmonary Embolism - [link](#)

JAMA Network Open

- Effects of candesartan vs lisinopril on neurocognitive function in older adults with executive mild cognitive impairment. A randomized clinical trial - [link](#)

JAMA Neurology

- Endovascular Treatment after Stroke Due to Large Vessel Occlusion for Patients Presenting Very Late from Time Last Known Well - [link](#)

JAMA Oncology

- Evaluation of Overall Survival in Patients with Anaplastic Thyroid Carcinoma, 2000-2019 - [link](#)

JAMA Pediatrics

- Association of opioid prescription Initiation during adolescence and young adulthood with subsequent substance-related morbidity - [link](#)
- Diagnosis, Evaluation, and Treatment of Attention-Deficit/Hyperactivity Disorder - [link](#)

JAMIA (Journal of the American Medical Informatics Association)

- Hospital adoption of electronic health record functions to support age-friendly care: results from a national survey - [link](#)

Journal of Clinical Oncology

- Metastatic Pancreatic Cancer: ASCO Guideline Update - [link](#)

Journal of the American Academy of Dermatology

- Joint AAD-NPF Guidelines of care for the management and treatment of psoriasis with topical therapy and alternative medicine modalities for psoriasis severity measures - [link](#)

Lancet

- Mortality in adults with multidrug-resistant tuberculosis and HIV by antiretroviral therapy and tuberculosis drug use: an individual patient data meta-analysis - [link](#)
- Lancet [series](#): HIV-related haematological malignancies

The Lancet Oncology

- Sorafenib maintenance in patients with FLT3-ITD acute myeloid leukaemia undergoing allogeneic haematopoietic stem-cell transplantation: an open-label, multicentre, randomised phase 3 trial - [link](#)

National Institute for Health Research (NIHR)

- New tool for assessing the severity of type 2 diabetes could help personalise treatment and improve outcomes - [link](#)

New England Journal of Medicine

- Ofatumumab versus Teriflunomide in Multiple Sclerosis - [link](#)
- Review article: Epigenetic Therapies for Cancer - [link](#)

Pediatrics (American Academy of Pediatrics)

- Clinical Management of Staphylococcus aureus Bacteremia in Neonates, Children, and Adolescents - [link](#)

Pharmacotherapy

- Potentially Inappropriate Medication Combination with Opioids among Older Dental Patients: A Retrospective Review of Insurance Claims Data - [link](#)

Pharmacoepidemiology and Prescription

- Role of serotonin and norepinephrine transporters in antidepressant-induced arterial hypertension: a pharmacoepidemiological-pharmacodynamic study - [link](#)
- Real-world data on new users of atypical antipsychotics: characterisation, prescription patterns, healthcare costs and early cardio-metabolic occurrences from a large Italian database - [link](#)
- External evaluation of population pharmacokinetic models for continuous administration of meropenem in critically ill adult patients - [link](#)

Public Library of Science (PLOS)

- Disparities in United States hospitalizations for serious infections in patients with and without opioid use disorder: A nationwide observational study - [link](#)

Public Library of Science (PLOS) ONE

- Private patient rooms and hospital-acquired methicillin-resistant Staphylococcus aureus: A hospital-level analysis of administrative data from the United States - [link](#)

Therapeutics and Clinical Risk Management

- Cardiovascular Outcomes with Sacubitril-Valsartan in Heart Failure: Emerging Clinical Data - [link](#)
- Spotlight on Tocilizumab in the Treatment of CAR-T-Cell-Induced Cytokine Release Syndrome: Clinical Evidence to Date - [link](#)

Thrombosis and Haemostasis

- Novel Approaches to Fine-Tune Therapeutic Targeting of Platelets in Atherosclerosis: A Critical Appraisal - [link](#)

TAG Mail – 6 August 2020

NSW TAG ACTIVITIES

COVID-19

Visit the NSW TAG COVID-19 [webpage](#) for links to latest updates and a summary of activities including a summary of clinical trials in NSW.

Visit (and re-visit for updates) the new COVID-19 [resources](#) page for documents to assist DTCs managing experimental use of medicines for COVID-19. It currently includes a patient/family information leaflet, consent form and drug guidance for tocilizumab.

**Recent updates made to the following documents:

- Remdesivir Drug Guideline V1.2 updated 6 August 2020

NSW Health Drug and Therapeutics Advisory Community of Practice (DaTA CoP) for COVID-19

NSW TAG is coordinating the DaTA CoP, which aims to provide an opportunity for sharing ideas, strategies, solutions, concerns and escalation pathway with respect to COVID-19 Pandemic preparedness. (See other [communities of practice](#) established across key clinical specialties).

- Next meeting 9am **12th of August** 2020. Guest speaker: Dr Tony Penna, Executive Director, Office for Health and Medical Research
- Co-chairs: Prof Sarah Hilmer & Jenny Crane. If you would like to join the CoP email [NSW TAG](#)
- DaTA CoP SharePoint site includes list of COVID-19-related enquiries to NSW Medicines Information Pharmacists.

New [open](#) email discussions

- Ketamine use in acute pain, **closes COB 21st of August 2020**

Recently [completed](#) email discussions

- Topical anaesthetics on formulary
- Use of povidone iodine in theatres
- Local policy for Medicine Access Programs approvals

Upcoming TAG meeting [dates](#)

- TAGNet meeting 11 am Tuesday 11th August

COVID-19 RESOURCES & ARTICLES OF INTEREST

Please click this [link](#) for the cumulative listing of COVID-19 resources in past TAG Mails.

AUSTRALIAN

NSW Health Critical Intelligence Unit – Evidence checks

- Vascular dysfunction and COVID-19 - [link](#)

INTERNATIONAL

Europe

EMA

- COVID-19: What's new - [link](#)

UK

Gov.UK

- Roll-out of 2 new rapid coronavirus tests ahead of winter - [link](#)
- Excess weight and covid-19: insights from new evidence - [link](#)
- Covid 19: Management of staff and exposed patients and residents in health and social care settings - [link](#)

NICE - COVID-19 rapid guidelines:

- Arranging planned care in hospitals and diagnostic services – [NG179](#)
- Haematopoietic stem cell transplantation – update information – [NG174](#)
- Rheumatologically autoimmune, inflammatory and metabolic bone disorders - [NG167](#)

USA

FDA

- FDA OKs two blood tests to estimate SARS-CoV-2 antibodies - [link](#)

ISMP

- COVID-19 Medication Safety Resource Page - [link](#)

JOURNAL ARTICLES

Academic Emergency Medicine

- Association between Pulmonary Embolism and COVID-19 in ED Patients Undergoing CTPA: the PEPCOV international retrospective study - [link](#)

Annals for Internal Medicine

- Body Mass Index and risk for intubation or death in SARS-CoV-2 Infection: A retrospective cohort study - [link](#)
- Risks and Impact of Angiotensin-Converting Enzyme Inhibitors or Angiotensin-Receptor Blockers on SARS-CoV-2 Infection in Adults: A Living Systematic [Review](#)

British Medical Journal

- Drug treatments for covid-19: living systematic review and network meta-analysis - [link](#)
- Remdesivir for severe covid-19: a clinical practice guideline - [link](#)

BMJ Gut

- Severe clinical outcomes of COVID-19 associated with proton pump inhibitors: a nationwide cohort study with propensity score matching - [link](#)

BMJ Annals of the Rheumatic Diseases

- Association between treatment with colchicine and improved survival in a single-centre cohort of adult hospitalised patients with COVID-19 pneumonia and acute respiratory distress syndrome - [link](#)

British Journal of Clinical Pharmacology

- Clinical outcomes and adverse events in patients hospitalised with COVID-19, treated with off-label hydroxychloroquine and azithromycin - [link](#)

European Journal of Hospital Pharmacy

- Informing critical care drug requirements in response to the COVID-19 pandemic - [link](#)

Heart

- Risk of severe COVID-19 disease with ACE inhibitors and angiotensin receptor blockers: cohort study including 8.3 million people - [link](#)

International Journal of Antimicrobial Agents

- Tocilizumab for severe COVID-19: a systematic review and meta-analysis - [link](#)

JAMA Psychiatry

- Targetable Biological Mechanisms Implicated in Emergent Psychiatric Conditions Associated With SARS-CoV-2 Infection - [link](#)

Journal of the American Medical Association

- The State of Health Care Quality Measurement in the Era of COVID-19: The Importance of Doing Better - [link](#)

medRxiv

- Preprint: Multisystem inflammatory syndrome in children (MIS-C) temporally associated with SARS-CoV-2 infection: a scoping review of the literature - [link](#)

- Preprint - The German Corona Consensus Dataset (GECCO): A standardized dataset for COVID-19 research - [link](#)

MJA

- Preprint: Considerations for cancer immunotherapy during the COVID-19 pandemic - [link](#)

- Preprint: Tenecteplase (and common sense) in short supply during COVID-19 pandemic - [link](#)

- Management of adult cardiac arrest in the COVID-19 era: consensus statement from the Australasian College for Emergency Medicine - [link](#)

- Cardiovascular disease and COVID-19: Australian and New Zealand consensus statement - [link](#)

The LANCET Child & Adolescent Health

- Transmission of SARS-CoV-2 in Australian educational settings: a prospective cohort study - [link](#)

The LANCET Infectious Diseases

- Investigation of a COVID-19 outbreak in Germany resulting from a single travel-associated primary case: a case series - [link](#)

- Observations of the global epidemiology of COVID-19 from the pre-pandemic period using web-based surveillance: a cross-sectional analysis - [link](#)

The LANCET Public Health

- Risk of COVID-19 among front-line health-care workers and the general community: a prospective cohort study - [link](#)

The LANCET Rheumatology

- Letter: B-cell depletion with rituximab in the COVID-19 pandemic: where do we stand? - [link](#)

The LANCET Respiratory Medicine

- [Commentary: Inhaled corticosteroids in virus pandemics: a treatment for COVID-19? - link](#)

[Nature](#)

- [Aerosol and surface contamination of SARS-CoV-2 observed in quarantine and isolation care - link](#)

[Pharmacotherapy](#)

- [The Cardiovascular Effects of Treatment with Hydroxychloroquine and Azithromycin - link](#)

Stroke

- Acute Stroke Management during the COVID-19 Pandemic. Does Confinement Impact Eligibility for Endovascular Therapy? – [link](#)

REPORTS AND PUBLICATIONS – AUSTRALIA

Australian Institute for Health and Welfare (AIHW)

- Oral health and dental care in Australia - [link](#)
- Injury expenditure in Australia 2015–16 - [link](#)
- Housing assistance in Australia 2020 - [link](#)
- Australian Burden of Disease Study 2015: Interactive data on [risk factor burden](#); [disease burden](#)

NSW Health Intranet

- Mental Wellbeing Impact Assessment Screening – free training - [link](#)

TGA

- AusPARs:
 - Fostair® ([Beclomethasone dipropionate/formoterol \(eformoterol\) fumarate dihydrate](#)) – new fixed dose combination of previously approved ingredients for previously approved therapeutic use
 - Ryzodeg® 70/30 FlexTouch and Penfill ([insulin degludec \(rys\) 70, insulin aspart \(rys\) 30](#)) Extended indication for use in diabetes mellitus in adolescents and children aged 6 years and older
 - Enoxapo® ([Enoxaparin sodium](#)) biosimilar
- Australian prescription medicine [decision summaries](#):
 - [Defibrotide](#) (Defitelio) – approved for treatment of hepato veno-occlusive disease
- Registration of [new or extended uses](#) of registered medicine:
 - Atecura® Breezhaler (indacaterol acetate, mometasone furoate) – once-daily maintenance treatment of asthma in adults and adolescents 12 years of age or older where use of a combination of long-acting beta2-agonist and inhaled corticosteroid is appropriate.
 - Delstrigo® (doravirine, lamivudine, tenofovir disoproxil fumarate) – treatment of HIV-1 infection in adult patients.
 - Dysport A® injection (clostridium botulinum type a toxin haemagglutinin complex) – now also indicated for symptomatic treatment of focal spasticity of upper limbs in children aged 2 years and older.
- Pifeltrol® tablets (Doravirine) - indicated in combination with other antiretroviral medicinal products, for the treatment of HIV-1 infection in adult patients.
- Registration of [new chemical entities](#) in Australia:
 - Nubeqa® (Darolutamide) – non metastatic castration resistant prostate cancer - [link](#)
 - Defitelio® (defibrotide) – treatment of severe hepatic veno-occlusive disease. Indicated in adults, adolescents, children and infants greater than 1 month of age. - [link](#)

REPORTS AND PUBLICATIONS – INTERNATIONAL

Agency for Healthcare Research and Quality (AHRQ) USA

- Implementation and sustainability of a medication reconciliation toolkit: a mixed methods evaluation - [link](#)

electronic Medicines Compendium (eMC) (UK)

- New products
 - Suboxone ([buprenorphine/naloxone](#)) sublingual film - licensed for use as a substitution treatment for opioid drug dependence in individuals aged >15 years who have agreed to be treated, within a framework of medical, social and psychological treatment. The intention of the naloxone component is to deter IV misuse.

Food and Drug Administration (FDA) USA

- FDA Approves Cannabidiol for Tuberos Sclerosis Complex - [link](#)
- New Drug approvals
 - Tafasitamab-cxix (Monjuvi), for Diffuse Large B-Cell Lymphoma - [link](#)
 - Triple combination therapy of atezolizumab, cobimetinib and vemurafenib for treatment of BRAF V600 mutation-positive advanced melanoma - [link](#)
 - Spravato™ ([esketamine](#)) CIII nasal spray, in combination with an oral antidepressant, to treat depressive symptoms in adults with major depressive disorder (MDD) with acute suicidal ideation or behaviour.

Health Canada

- Health Product InfoWatch, [July 2020](#)

National Institute for Health and Clinical Excellence (NICE) UK

- Prontosan for acute and chronic wounds – Medtech innovation briefing - [link](#)

Scottish Intercollegiate Guideline Network (SIGN) UK

- Management of osteoporosis and the prevention of fragility fractures: update of SIGN guideline 142 - [link](#)

Specialist Pharmacy Services

- What is the clinical significance of potential drug interactions with local anaesthetic preparations used in primary care dentistry? - [link](#)

MEDICATION SAFETY

electronic Medicines Compendium (eMC) (UK)

- Revised SPCs

-- Kisqali ([ribociclib](#)) – updated to include warnings regarding risk of interstitial lung disease and pneumonitis and related dose recommendations

-- Ofev ([nintedanib](#))– additional indication for treatment of other chronic fibrosing interstitial lung disease with progressive phenotype in adults.

-- [Revaxis](#) (diphtheria, tetanus and poliomyelitis (inactivated) vaccine) suspension for injection in pre-filled syringe –updated to note the product contains 10 microgram phenylalanine in each 0.5 ml dose which is equivalent to 0.17 microgram/kg for a 60 kg person. Phenylalanine may be harmful for people with phenylketonuria.

-- Xgeva ([denosumab](#)) 120mg injection – observational study data on the incidence of osteonecrosis of the jaw has been added to section 4.8

-- Magnaspartate ([magnesium aspartate dehydrate](#)) Oral Solution - now gives option for reconstituted solution to be used within 24 hours when dissolved in bottled water & stored <25°C. Now advises against use in pts with rare hereditary problems of fructose intolerance, glucose-galactose malabsorption or sucrase-isomaltase insufficiency.

-- Jardiance® ([empagliflozin](#)) tablets – updated to advise co-treatment with known inducers of uridine 5'-diphosphoglucuronosyltransferase (e.g. rifampicin or phenytoin) is not recommended due to potential risk of decreased efficacy of empagliflozin.

- Risk minimisation materials

-- Solaris® ([eculizumab](#)) solution for infusion- Physician's Guide

-- Idacio® ([adalimumab](#)) injection – all products

-- Viagra Connect ([sildenafil citrate](#))

-- Colobreathe™ ([colistimethate sodium](#)) inhalation powder – Patient card

-- [Aripiprazole](#) 1 mg/ml Oral Solution

Food and Drug Administration (FDA) USA

- FDA updates on hand sanitizers consumers should not use - [link](#)

Health Canada – MedEffect Notice

- Non-prescription pain relief products containing codeine are not recommended for use in people under 18 years of age (opioids at a young age may contribute to the development of problematic substance use later in life) - [link](#)

Medicines and Healthcare products Regulatory Agency (MHRA) UK

- Liposomal and lipid-complex formulations: name change to reduce medication errors - [link](#)

- Systemically administered VEGF pathway inhibitors: risk of aneurysm and artery dissection - [link](#)

TGA

- BioCeuticals Vitamin D3 Drops Forte Liquid 20mL: Recall - risk of inconsistent dosing due to inconsistent mixing of the medicine - [link](#)

PAPERS OF INTEREST

American Journal of Health-System Pharmacy (AHJP)

- Pharmacist-driven medication reconciliation reduces oral oncolytic medication errors during transitions of care - [link](#)
- Transitioning hospitalized patients from rivaroxaban or apixaban to a continuous unfractionated heparin infusion: A retrospective review - [link](#)

Annals of Internal Medicine

- Long-Term Rituximab Use to Maintain Remission of Antineutrophil Cytoplasmic Antibody–Associated Vasculitis - [link](#)

British Journal of Clinical Pharmacology

- Impact of EU regulatory label changes for diclofenac in people with cardiovascular disease in four countries: Interrupted time series regression analysis - [link](#)
- Iloprost and exercise haemodynamics in heart failure with preserved ejection fraction—the ILO-HOPE randomised controlled trial - [link](#)
- Advances and roadblocks in the treatment of malaria - [link](#)

British Journal of Psychiatry

- Real-world effectiveness, its predictors and onset of action of cholinesterase inhibitors and memantine in dementia: retrospective health record study - [link](#)

Circulation

- Dual Antiplatelet Therapy after Percutaneous Coronary Intervention and Drug-Eluting Stents: A Systematic Review and Network Meta-Analysis - [link](#)

Cochrane Database of Systematic Reviews

- Long-term GnRH agonist therapy before in vitro fertilisation (IVF) for improving fertility outcomes in women with endometriosis - [link](#)
- Pharmacological interventions for the prevention of acute postoperative pain in adults following brain surgery - [link](#)
- Prenatal administration of progestogens for preventing spontaneous preterm birth in women with a multiple pregnancy - [link](#)
- Progestogen for preventing miscarriage in women with recurrent miscarriage of unclear etiology - [link](#)
- Adalimumab for induction of remission in Crohn's disease - [link](#)
- Clonazepam monotherapy for treating people with newly diagnosed epilepsy - [link](#)
- Hypertonic saline versus other intracranial pressure–lowering agents for people with acute traumatic brain injury - [link](#)
- Pharmacy-based management for depression in adults - [link](#)
- Topical anaesthesia plus intracameral lidocaine versus topical anaesthesia alone for phacoemulsification cataract surgery in adults - [link](#)

Diabetes Care

- Intakes of Folate, Vitamin B6, and Vitamin B12 in relation to diabetes incidence among American young adults: A 30 year follow up study - [link](#)

Drug and Therapeutics Bulletin

- Risk of seizures with antidepressants: what is the evidence? - [link](#)

Drug Safety

- Prevalence and Nature of Medication Errors and Medication-Related Harm following discharge from hospital to community settings: A systematic review - [link](#)

Internal Medicine Journal

- Antibiotic allergy labels and optimal antimicrobial stewardship - [link](#)
- Optimal management of blood glucose, blood pressure and atrial fibrillation to reduce the risk of heart failure with preserved ejection fraction - [link](#)

International Journal for Quality in Health Care

- In-hospital interventions for reducing readmissions to acute care for adults aged 65 and over: An umbrella review - [link](#)
- The unrecognized power of health services accreditation: more than external evaluation - [link](#)
- Sequential implementation of the EQUIPPED geriatric medication safety program as a learning health system - [link](#)

JAMA

- Patient information: Heart Failure - [link](#)
- Effect of Intravenous Acetaminophen on Postoperative Hypoxemia after Abdominal Surgery - The FACTOR Randomized Clinical Trial - [link](#)
- Association of Menopausal Hormone Therapy with Breast Cancer Incidence and Mortality During Long-term Follow-up of the Women's Health Initiative Randomized Clinical Trials - [link](#)

JAMA Cardiology

- Influence of Clinical Trials of Acute Coronary Syndrome beyond the Primary Hypothesis: A Systematic Review - [link](#)
- Clinical Application of High-Sensitivity Troponin Testing in the Atherosclerotic Cardiovascular Disease Framework of the Current Cholesterol Guidelines - [link](#)

JAMA Dermatology

- Assessment and Treatment Outcomes of Persistent Radiation-Induced Alopecia in Patients with Cancer - [link](#)

JAMA Neurology

- Prevalence of High-Risk Plaques and Risk of Stroke in Patients with Asymptomatic Carotid Stenosis A Meta-analysis - [link](#)

JAMA Psychiatry

- Efficacy of a Psychosocial Pain Management Intervention for Men and Women with Substance Use Disorders and Chronic Pain: A Randomized Clinical Trial - [link](#)
- Maternal Use of Specific Antidepressant Medications during Early Pregnancy and the Risk of Selected Birth Defects - [link](#)
- Viewpoint: Tapering Antipsychotic Treatment - [link](#)

Journal of the Australian Healthcare & Hospitals Association

- Queensland Digital Health Clinical Charter: a clinical consensus statement on priorities for digital health in hospitals - [link](#)

Journal of Patient Experience

- What Do Patients Want? A Qualitative Analysis of Patient, Provider, and Administrative Perceptions and Expectations about Patients' Hospital Stays - [link](#)

Journal of Patient Safety

- Medication order errors at hospital admission among children with medical complexity - [link](#)
- Predictors of Serious Opioid-Related Adverse Drug Events in Hospitalized Patients - [link](#)

Journal of Pharmacy Practice and Research (JPPR)

- "On time - every time" A new strategy for dosing levodopa in hospital - [link](#)
- Audit of medication allergy referrals to an allergy outpatient service at a tertiary hospital - [link](#)
- Hypercholesterolaemia screening: proposal for development of a new professional pharmaceutical service - [link](#)
- Estimation of direct medical costs of warfarin, dabigatran and rivaroxaban treatments in non-valvular atrial fibrillation patients in a tertiary public hospital, Malaysia - [link](#)
- Outpatient management of deep vein thrombosis using direct oral anticoagulants is safe and efficient - [link](#)
- Stability evaluation of an extemporaneously compounded carbimazole oral suspension - [link](#)

Lancet

- Series: Endocrine-disrupting chemicals - [link](#)

- Defining persistent Staphylococcus aureus bacteraemia: secondary analysis of a prospective cohort study - [link](#)
- Ledipasvir plus sofosbuvir in pregnant women with hepatitis C virus infection: a phase 1 pharmacokinetic study - [link](#)
- Pathological findings in suspected cases of e-cigarette, or vaping, product use-associated lung injury (EVALI): a case series - [link](#)

Medical Journal of Australia

- Improving communication with Aboriginal hospital inpatients: a quasi-experimental interventional study - [link](#)
- Antiplatelet therapy within 30 days of percutaneous coronary intervention with stent implantation - [link](#)

National Institute for Health Research (NIHR) Signals

- Damage to kidneys and eyes may start before people are diagnosed with diabetes - [link](#)

New England Journal of Medicine

- Respiratory Syncytial Virus Vaccination during Pregnancy and Effects in Infants - [link](#)
- Single-Dose Nirsevimab for Prevention of RSV in Preterm Infants - [link](#)
- Treatment of Chronic Lymphocytic Leukemia - [link](#)
- Clinical practice: Native-Valve Infective Endocarditis - [link](#)

Pediatrics (American Academy of Pediatrics)

- The Key to Antibiotic Stewardship Is Combining Interventions - [link](#)

Pharmacotherapy

- Non-Steroidal Anti-Inflammatory Drugs and the Risk of Pneumonia Complications: A Systematic Review - [link](#)
- Effects of Co-administration of Sulfonylureas and Antimicrobial Drugs on Hypoglycemia in Patients with Type 2 Diabetes Using a Case-Crossover Design - [link](#)
- Approach to the treatment of patients with serious multidrug-resistant Pseudomonas aeruginosa infections - [link](#)
- An Overview of the Treatment of Less Common Non-Lactose Fermenting Gram Negative Bacteria - [link](#)
- The relationship between the initial anti-factor Xa measurement and the duration of direct oral anticoagulant influence in patients transitioning to heparin - [link](#)
- Acute Graft-versus-Host Disease: Emerging Insights and Updates into Detection, Prevention, and Treatment – [link](#)
- Modeling Kinetic Glomerular Filtration Rate in Adults with Stable and Unstable Kidney Function: Vancomycin as the Motivating Example - [link](#)
- Long Term Follow Up of Hematopoietic Stem Cell Transplant Survivors: A Focus on Screening, Monitoring, and Therapeutics - [link](#)
- Impact of Incremental Delays in Appropriate Therapy on the Outcomes of Hospitalized Adult Patients with Gram-negative Bloodstream Infections: “Every day matters” - [link](#)

Prescriber UK

- The Scottish Polypharmacy Guidance app in practice - [link](#)

Stroke

- Alteplase for Acute Ischemic Stroke in Patients Aged >80 Years - [link](#)

Therapeutics and Clinical Risk Management

- Impact of Sacubitril/Valsartan on Patient Outcomes in Heart Failure: Evidence to Date - [link](#)
- Management of Venous Thromboembolism in Children: Current Recommendations and Therapeutic Options - [link](#)

Thrombosis and Haemostasis

- Patients with Essential Thrombocythemia may be Poor Responders to Enteric-Coated Aspirin, but not to Plain Aspirin - [link](#)

- Antithrombotic Therapy in Myocardial Infarction: Historic Perils and Current Challenges—A 70-Year Journey - [link](#)

TAG Mail – 30 July 2020

COVID-19 RESOURCES & ARTICLES OF INTEREST

Please click this [link](#) for the cumulative listing of COVID-19 resources in past TAG Mails.

AUSTRALIAN

Australian Department of Health

- Opinion piece from the Deputy Chief Medical Officer Professor Michael Kidd: Masks beneficial to combat community transmission of COVID-19 - [link](#)

NPS MedicineWise

Podcast: [Episode 9](#): Community pharmacy response and adaptation to COVID-19

PSA

[Podcast](#): How is COVID-19 changing the experience of healthcare from both sides of the bed?

RACP

- COVID-19: Workplace Risk Management - [link](#)

RACS

- Guidelines on the Preoperative Diagnostic Workup for COVID-19 - [link](#)

SHPA

COVID-19 'Journal Club': Remdesivir for the treatment of COVID-19 3.00–4.00pm Tuesday, 4 August 2020, register [here](#)

INTERNATIONAL

Roche

- An update on the phase III COVACTA trial of Actemra/RoActemra in hospitalised patients with severe COVID-19 associated pneumonia - [link](#)

WHO

- Guidance for conducting a country COVID-19 intra-action review (IAR), [23 July 2020](#)

Canada

CADTH

- Webinar - Developing a COVID-19 Vaccine, Wednesday 12 August 2020 12:00 p.m. to 1:00 p.m. EDT-Canada - [register](#)

Health Canada

- Remdesivir authorized with conditions for the treatment of patients in Canada with severe COVID-19 symptoms - [link](#)

UK

GOV.UK

- Excess weight can increase risk of serious illness and death from COVID-19 - [link](#)

GPhC

- Position on COVID-19 rapid antibody tests: not appropriate for these tests to be sold in community pharmacies or recommended by pharmacy professionals at this point in time - [link](#)

NICE

- COVID-19 rapid guideline: arranging planned care in hospitals and diagnostic services - [link](#)

USA

American Society of Health-System Pharmacists (ASHP)

- ASHP discussion forum ([Sign up](#) for free) recent topics of discussion include: Low goal PTT heparin drip protocol; Low dose Ketamine as adjunctive analog-sedation; N-Acetylcysteine use in COVID pts FDA
- [Podcast](#): FDA Insight: Vaccines for COVID-19, Part 1
- [Podcast](#): FDA Insight: Vaccines for COVID-19, Part 2

JOURNAL ARTICLES

Am J Health-Syst Pharm

- National drug shortages worsen during COVID-19 crisis: Proposal for a comprehensive model to monitor and address critical drug shortages - [link](#)
- Dynamic pharmacy leadership during the COVID-19 crisis: Optimizing patient care through formulary and drug shortage management - [link](#)
- Advocacy during crisis: Maintaining a legislative presence during the COVID-19 pandemic - [link](#)
- Insights on developing a field hospital formulary and medication distribution process in preparation for a second surge of COVID-19 cases - [link](#)

Ann Intern Med

- Letter: Update Alert 2: Risks and Impact of Angiotensin-Converting Enzyme Inhibitors or Angiotensin-Receptor Blockers on SARS-CoV-2 Infection in Adults - [link](#)

Ann Rheumatic Dis

- Historically controlled comparison of glucocorticoids with or without tocilizumab versus supportive care only in patients with COVID-19-associated cytokine storm syndrome: results of the CHIC study - [link](#)

Br J Clin Pharm

- Serious adverse events with tocilizumab: Pharmacovigilance as an aid to prioritize monitoring in COVID-19 – [link](#)

Br J Nutrition

- The rationale for a multi-step therapeutic approach based on antivirals, drugs, and nutrients with immunomodulatory activity in patients with coronavirus-SARS2-induced disease of different severity - [link](#)

JAMA Cardiology

- Editorial: Coronavirus Disease 2019 (COVID-19) and the Heart—Is Heart Failure the Next Chapter? - [link](#)

Lancet Rheumatology

- Letter: Effect of anakinra in COVID-19 - [link](#) - [Authors' reply](#)

Med J Aust

- Preprint: Prolonged SARS-CoV-2 PCR positivity: a challenge for Australian clinicians - [link](#)
- A discussion on legal action if patients are denied access to care - [link](#)

Med J Virol

- Efficacy and safety of umifenovir for coronavirus disease 2019 (COVID-19): A systematic review and meta-analysis - [link](#)

N Engl J Med

- Evaluation of the mRNA-1273 Vaccine against SARS-CoV-2 in Nonhuman Primates - [link](#)
- Hydroxychloroquine with or without Azithromycin in Mild-to-Moderate Covid-19 - [link](#)

Pharmacotherapy

- A systematic review (to April 8) on non-steroidal anti-inflammatory drugs and pneumonia complications - [link](#)

Therapeutics and Clinical Risk Management

- Managing Disease-Modifying Therapies and Breakthrough Activity in Multiple Sclerosis Patients During the COVID-19 Pandemic: Toward an Optimized Approach. Review - [link](#)

REPORTS AND PUBLICATIONS – AUSTRALIA

Australian Institute for Health and Welfare (AIHW)

- Bone and joint health - [link](#)
- National Bowel Cancer Screening Program: monitoring report 2020- [link](#)
- Stillbirths and neonatal deaths in Australia - [link](#)
- Infographics for students, teachers and anybody after quick facts – topics include Hospitalisations on an average day, Leading causes of death, Overweight and obesity, Where did the money spent on health in 2017–18 go? - [link](#)

CEC

- Medication Safety Update – [29 July 2020](#)
- Olmesartan communication: disruption to supply due to an unexpected increase in demand – [link](#)

PBS

- Biosimilar insulin glargine on the PBS - information for health professionals and patients: Lantus® and Lantus SoloStar® are no longer available on the PBS - [link](#)

TGA

- [Database](#) of section 19A approvals to import and supply medicines to address medicine shortages
- Australian prescription medicine decision summaries:
 - [Zeposia](#) – for treatment of adult patients with relapsing forms of multiple sclerosis
 - [Libtayo](#) - to treat cutaneous squamous cell carcinoma in adults

The Communiques Australia

- Future Leaders Communiqué VOLUME 05. ISSUE 03 [link](#)

REPORTS AND PUBLICATIONS – INTERNATIONAL

Care Quality Commission (UK)

- The safer management of controlled drugs - [link](#)

European Medicines Agency (EMA)

- Human medicines: highlights of 2020 - [link](#)

Food and Drug Administration (FDA) USA

- FDA Approves First Cell-Based Gene Therapy for Adult Patients with Relapsed or Refractory MCL - [link](#)

National Institute for Health and Clinical Excellence (NICE) UK

- Prontosan for acute and chronic wounds - [link](#)
- Renal and ureteric stones- quality standard ([QS195](#))

Specialist Pharmacy Services

- Update on development of biosimilar versions of adalimumab with particular focus on excipients and injection site reactions - [link](#)

The National Academies Press

- Evidence-Based Practice for Public Health Emergency Preparedness and Response - [link](#)

MEDICATION SAFETY

BMJ Drug and Therapeutics Bulletin

- Warning on use of ondansetron in first trimester of pregnancy - [link](#)
- Is tramadol associated with an increase in all-cause mortality among patients with osteoarthritis? - [link](#)

- MHRA DOAC safety reminder - [link](#)

electronic Medicines Compendium (eMC) (UK)

- Revised SPCs
- Ajoyv ([fremanezumab](#)) updated to include hypersensitivity reactions
- [Kaletra](#) (lopinavir/ritonavir) – ADR nephrolithiasis (kidney stones) added - unknown frequency
- [Maxitrol](#) products - caution recommended with a personal or family history of diabetes
- [Zytiga](#) (abiraterone acetate) - hypoglycaemia reported when abiraterone acetate plus prednisone/prednisolone administered to patients with pre-existing diabetes receiving pioglitazone or repaglinide
- Safety information for Patient/Parent to minimise the risk of serious side effects Soliris ([eculizumab](#)) Provides important safety information adult patients and parents/legal guardians of a child who has been prescribed eculizumab and includes frequently asked questions and also advises them on how to report side effects.

Food and Drug Administration (FDA) USA

- FDA Updates on Hand Sanitizers with Methanol - [link](#)
- FDA recommends health care professionals discuss naloxone with all patients when prescribing opioid pain relievers or medicines to treat opioid use disorder - [link](#)

Health Canada – MedEffect Notice

- Summary Safety Review: Methadone-containing products used to treat opioid dependence - [link](#)
- Status of ranitidine drugs in Canada, including enhanced safety measures to detect an impurity called N-nitrosodimethylamine (NDMA) - [link](#)

ISMP

- Medication Safety Alert! [July 30, 2020](#)
- Survey Shows Room for Improvement with Two New ISMP Targeted Medication Safety Best Practices - [link](#)
- Can a product have two different expiration dates?
- FDA revises labelling for methotrexate tablets
- ISMP survey on pharmacy compounding

MHRA

- [Campaign](#): Skin creams dried on fabric can lead to fire deaths

TGA

- Safety advisory: AuLion Energy Candy (candies contain the undeclared substance sildenafil) - [link](#)

PAPERS OF INTEREST

American Journal of Health-System Pharmacy (AHJP)

- Emerging role of pharmacists in managing patients with chronic obstructive pulmonary disease - [link](#)
- Risperidone- and paliperidone-induced hepatotoxicity: Case report and review of literature - [link](#)
- Impact of interoperability of smart infusion pumps and an electronic medical record in critical care - [link](#)
- Implementation of a chemotherapy stewardship process - [link](#)

Annals of Internal Medicine

- Sodium–Glucose Cotransporter-2 Inhibitors and the Risk for Diabetic Ketoacidosis - [link](#)
- Delayed Denosumab Injections and Fracture Risk among Patients With Osteoporosis - [link](#)

British Journal of Clinical Pharmacology

- Strategies to reduce use of antidepressants - [link](#)
- Risperidone plasma concentrations are associated with side effects and effectiveness in children and adolescents with autism spectrum disorder - [link](#)
- Clinical outcomes of nonvitamin K oral anticoagulants and acenocoumarol for stroke prevention in contemporary practice: A population-based propensity-weighted cohort study - [link](#)
- Patterns and factors influencing oral anticoagulant prescription in people with atrial fibrillation and dementia: Results from UK primary care - [link](#)

British Journal of Psychiatry

- Real-world effectiveness, its predictors and onset of action of cholinesterase inhibitors and memantine in dementia: retrospective health record study - [link](#)

British Medical Journal (BMJ) Open

- Association between topical beta-blockers and risks of cardiovascular and respiratory disease in patients with glaucoma: a retrospective cohort study - [link](#)

Clinical Infectious Diseases

- The safety of delayed versus immediate antibiotic prescribing for upper respiratory tract infections - [link](#)

Cochrane

- Zonisamide add-on therapy for focal epilepsy - [link](#)
- Beta-blockers for congestive heart failure in children - [link](#)
- GLP-1 receptor agonists for Parkinson's disease - [link](#)

European Journal of Hospital Pharmacy

- Discontinuation of cholinesterase inhibitor treatment in institutionalised patients with advanced dementia - [link](#)

International Journal for Quality in Health Care

- The Registry of Senior Australians (ROSA) Outcome Monitoring System: Quality and Safety Indicators for Residential Aged Care - [link](#)

JAMA

- Association of Menopausal Hormone Therapy with Breast Cancer Incidence and Mortality During Long-term Follow-up of the Women's Health Initiative Randomized Clinical Trials - [link](#)

JAMA Cardiology

- Editorial: Choosing an Initial Therapeutic Approach for Hypertension—Time for a Fixed-Dose Combination First? - [link](#)

JAMA Neurology

- Association of Sustained Immunotherapy with Disability Outcomes in Patients with Active Secondary Progressive Multiple Sclerosis - [link](#)
- New Horizons in Pharmacologic Therapy for Secondary Stroke Prevention - [link](#)
- Trends in Antihypertensive Medication Use among Individuals with a History of Stroke and Hypertension, 2005 to 2016 - [link](#)

Journal of the Australian Healthcare & Hospitals Association

- Does policy change to allow pharmacist provision of influenza vaccination increase population uptake? A systematic review - [link](#)

Journal of Pharmacy Practice and Research (JPPR)

- Outpatient management of deep vein thrombosis using direct oral anticoagulants is safe and efficient - [link](#)

Lancet Diabetes and Endocrinology

- Brain insulin resistance in Alzheimer's disease and related disorders: mechanisms and therapeutic approaches - [link](#)

Lancet Haematology

- Mortality risk associated with venous thromboembolism: a systematic review and Bayesian meta-analysis - [link](#)
- Viewpoint: Management of anticoagulant-refractory thrombotic antiphospholipid syndrome - [link](#)

Lancet Infectious Diseases

- Assessment of WHO antibiotic consumption and access targets in 76 countries, 2000–15: an analysis of pharmaceutical sales data - [link](#)

Lancet Psychiatry

- Cannabidiol for the treatment of cannabis use disorder: a phase 2a, double-blind, placebo-controlled, randomised, adaptive Bayesian trial - [link](#)

Molecular Diversity Preservation International (MDPI) – Pharmacy Journal

- The Expanding Role of the Oncology Pharmacist - [link](#)

New England Journal of Medicine

- Review article: Treatment of Chronic Lymphocytic Leukemia - [link](#)

Pharm J

- Interchangeability of biosimilars: a global perspective for pharmacists - [link](#)

Pharmacotherapy

- Effects of Co-administration of Sulfonylureas and Antimicrobial Drugs on Hypoglycemia in Patients with Type 2 Diabetes Using a Case-Crossover Design - [link](#)

Therapeutics and Clinical Risk Management

- Review: Syndrome of Inappropriate Antidiuretic Hormone Secretion: Optimal Management - [link](#)

Thrombosis and Haemostasis

- The Association between Oral Anticoagulants and Cancer Incidence among Individuals with Nonvalvular Atrial Fibrillation - [link](#)

TAG Mail – 23 July 2020

COVID-19 RESOURCES & ARTICLES OF INTEREST

Please click this [link](#) for the cumulative listing of COVID-19 resources in past TAG Mails.

AUSTRALIAN

CEC

- Use of dexamethasone in COVID-19 factsheet updated - [link](#)

SHPA

- COVID-19 member forum recent discussion topics include: Remdesivir monograph now available in [AIDH](#); Dexamethasone +/- hydrocortisone in COVID ICU.

INTERNATIONAL

WHO

- Support for Rehabilitation Self-Management after COVID-19- Related Illness - [link](#)
- Practical actions in cities to strengthen preparedness for the COVID-19 pandemic and beyond - [link](#)
- Draft landscape of COVID-19 candidate vaccines - [link](#)

UK

NHS England SPS

- RECOVERY trial summary - [link](#)

USA

AHRQ

- A Living Rapid Review: Masks for Prevention of COVID-19 in Community and Healthcare Settings - [link](#)

American Society of Health-System Pharmacists (ASHP)

- Evidence table updated 16 July 2020 - [link](#)

- ASHP discussion forum ([Sign up](#) for free) recent topics of discussion include: Remdesivir Outside ICU?; Remdesivir Cost-Effective Analysis (CEA); post-COVID vasculitis/thrombosis treatment guidance; Hydroxychloroquine use for mild to moderate cases
- [Webinar](#) - Fri, Jul 31, 2020 4:00 AM - 5:00 AM AEST
ASHP/SCCM COVID-19 Pharmacology Debates: Steroid and Antiviral Use in COVID-19 Patients

ISMP

- COVID-19 Medication Safety Resource Page - [link](#)

King's Fund

- The road to renewal: five priorities for health and care following Covid-19 - [link](#)

JOURNAL ARTICLES

Ann Intern Med

- Hydroxychloroquine in Non-hospitalized Adults with Early COVID-19 - [link](#)

Antimicrob Agents Chemother

- Efficacy and safety of interferon β -1a in treatment of severe COVID-19: A randomized clinical trial - [link](#)

Br J Clin Pharmacol

- Model informed dosing of hydroxychloroquine in COVID-19 patients: Learnings from the recent experience, remaining uncertainties and gaps - [link](#)

- Letter: Pharmacokinetic considerations on the repurposing of ivermectin for treatment of COVID-19 - [link](#)

- Letter: Insights from compassionate use of tocilizumab for COVID-19 to inform appropriate design of randomised controlled trials - [link](#)

EClinicalMedicine

- Early use of low dose tocilizumab in patients with COVID-19: A retrospective cohort study with a complete follow-up - [link](#)

JAMA Dermatology

- Letter: Enanthem in Patients with COVID-19 and Skin Rash - [link](#)

JAMA Neurology

- Stroke Thrombolysis with Tenecteplase to Reduce Emergency Department Spread of Coronavirus Disease 2019 and Shortages of Alteplase - [link](#)

J Aging Soc Policy

- Special issue: Older Adults and COVID-19: Implications for Aging Policy and Practice - [link](#)

Lancet

- Safety and immunogenicity of the ChAdOx1 nCoV-19 vaccine against SARS-CoV-2: a preliminary report of a phase 1/2, single-blind, randomised controlled trial - [link](#)

- Immunogenicity and safety of a recombinant adenovirus type-5-vectored COVID-19 vaccine in healthy adults aged 18 years or older: a randomised, double-blind, placebo-controlled, phase 2 trial - [link](#)

- Mental health before and during the COVID-19 pandemic: a longitudinal probability sample survey of the UK population - [link](#)

- Letters: Probiotics and COVID-19 - [link](#) - [link](#) - [link](#)

- Editorial: The COVID-19 infodemic (dangers of widespread sharing of non-peer reviewed information) - [link](#)

MedRxiv

- Preprint (awaiting peer review): The Efficacy of IL-6 Inhibitor Tocilizumab in Reducing Severe COVID-19 Mortality: A Systematic Review - [link](#)

NEJM

- Dexamethasone in Hospitalized Patients with Covid-19 — Preliminary Report - [link](#)

- An mRNA Vaccine against SARS-CoV-2 — Preliminary Report - [link](#) - with [editorial](#)

- Multisystem Inflammatory Syndrome in U.S. Children and Adolescents - [link](#)
- Editorial: The RECOVERY Platform - [link](#)

Pharmaceutical Business Review

- AZD1222 delivers strong immune response in phase I/II Covid-19 vaccine trial - [link](#)

Pharm J

- Pharmacies will have major role in administering COVID-19 vaccine, says health secretary - [link](#)
- Everything you need to know about the COVID-19 therapy trials - [link](#)

OTHER NEWS

ACI

- Research grant scheme now open - deadline for proposals submission is 10th August 2020.

Australian Prescriber

- **New Drug: Semaglutide for type 2 diabetes** - [link](#)

Australian research project sponsored by UTS (supported by the ACSQHC)

- In The Name Of Safety – Australia: Identifying low-value safety practices for potential disinvestment (ITNOS-A) - [link](#)

Faculty of Pain Medicine (ANZCA) and the TGA

- [Free e-Learning](#) package – Better Pain Prescribing: Clarity and confidence in opioid management

Survey

- Prescriber perceptions of drug-drug interaction alerts – national [survey](#) study (University of Sydney)

REPORTS AND PUBLICATIONS – AUSTRALIA

Australian Institute for Health and Welfare (AIHW)

- Mental Health services in Australia updated web report - [link](#)
- National Drug Strategy Household Survey 2019: In brief presents highlights on Australian use of tobacco, alcohol and other drugs– [link](#)
- Australia's Health 2020 - [link](#)

NSW Health Intranet

- [Safety Notice 007/20](#) – Illicit supply of counterfeit alprazolam
- NSW Health Guideline Care Pathway for Women Concerned about Fetal Movements from 28 Weeks Gestation GL2020_017- [link](#)

TGA

- [Database](#) of section 19A approvals to import and supply medicines to address medicine shortages
- AusPARs:
 - [Remdesivir](#) - approved for provisional registration
 - Australian Prescription Medicine Decision Summary:
 - [Qinlock](#)

REPORTS AND PUBLICATIONS – INTERNATIONAL

British Geriatrics Society

- has released a '[frailty hub](#)' web page, a repository of published articles, national guidelines and education resources relevant to frailty

Care Quality Commission

- The safer management of controlled drugs - [link](#)

electronic Medicines Compendium (eMC) (UK)

- New products

- [Hydrocortisone](#) 10mg soluble tablets (Creo Pharma) licensed for congenital adrenal hyperplasia, asthma, hypersensitivity reactions, serum sickness, angioneurotic oedema, anaphylaxis, and treatment of adrenal insufficiency
- New indications/population
- Taltz ([ixekizumab](#)) for moderate to severe plaque psoriasis in children aged >6 years and with a body weight of >25 kg and adolescents who are candidates for systemic therapy

European Medicines Agency (EMA)

- Guideline on the quality of water for pharmaceutical use - [link](#)

Food and Drug Administration (FDA) USA

- New Drug approvals
- guselkumab ([Tremfya](#)) - interleukin inhibitor for psoriatic arthritis

Health Quality & Safety Commission New Zealand

- New pressure injury prevention resources available - [link](#)

Healthcare Safety Investigation Branch

- National report highlights life threatening risk posed by delay in group B strep treatment - [link](#)
- Quality improvement tools and methodologies - [link](#)

International Journal for Quality in Health Care

- Sequential implementation of the EQUIPPED geriatric medication safety program as a learning health system - [link](#)

JAC-Antimicrobial Resistance

- Implementation of an antimicrobial stewardship programme and reduction in carbapenemase-producing Enterobacterales in an Australian local health district - [link](#)

MIMS UK

- First SGLT2 inhibitor (canagliflozin) approved to treat diabetic kidney disease - [link](#)

National Institute for Health and Clinical Excellence (NICE) UK

- Remsima (infliximab biosimilar) for subcutaneous injection for managing rheumatoid arthritis [\[ES29\]](#)
- Gilteritinib for treating relapsed or refractory acute myeloid leukaemia – Final appraisal [document](#)

Scottish Intercollegiate Guideline Network (SIGN) UK

- Management of osteoporosis and the prevention of fragility fractures - [link](#)

Specialist Pharmacy Services

- Switching between liquid and tablet/capsule formulations - Which medicines require extra care? - [link](#)
- Which medicines can be used to treat allergic rhinitis during pregnancy? (updated) - [link](#)

MEDICATION SAFETY

electronic Medicines Compendium (eMC) (UK)

- Revised SPCs
- [Co-cyprindiol](#) (cyproterone acetate/ethinylestradiol) - after menarche, not after menopause; contraindicated in women with severe hepatic disease if LFTs remain abnormal
- [Harvoni](#) (ledipasvir and sofosbuvir) for use in paediatric patients aged 3 to <12 years
- Maxtrex ([methotrexate](#)) - nitrous oxide potentiates the effect of methotrexate on folate metabolism, resulting in increased toxicity
- Signifor ([pasireotide](#)) - ketoacidosis in patients with/out history of diabetes and cholangitis reported as complication of gallstones
- Risk minimisation materials
- Toctino ([alitretinoin](#)) – prescriber/pharmacist checklist

Health Canada – MedEffect Notice

- Methadone Treatment of Opioid Dependence and Potential Risk of Lack of Effect when Switching between Different Products - [link](#)

Medsafe (New Zealand Medicines and Medical Devices Safety Authority)

- Following ADRs flagged - [link](#)
-- possible association between amphotericin and hyperkalaemia
-- pancytopenia after concomitant prescribing of allopurinol and azathioprine
-- possible association between lamotrigine and the development of autism spectrum disorder in children exposed in utero

TGA

- Precautionary [recall](#) of all MINIRIN Nasal Spray (desmopressin acetate) batches following the detection of a low volume and out-of-specification results in desmopressin content in some vials.
- V-MAX Herbal Tablets - [link](#)

PAPERS OF INTEREST

American Journal of Health-System Pharmacy (AHJP)

- Call for pharmacists to join vascular safety teams - [link](#)

Annals of Internal Medicine

- Age and Weight Adapted Dose of Prasugrel Versus Standard Dose of Ticagrelor in Patients with Acute Coronary Syndromes from a randomised trial - [link](#) – with [editorial](#)

British Journal of Clinical Pharmacology

- Letter: Further evidence for the hepatotoxic potential of metamizole - [link](#)
- Increased concentrations of bioactive adrenomedullin subsequently to angiotensin-receptor/neprilysin-inhibitor treatment in chronic systolic heart failure - [link](#)
- Evolving insights into the mechanisms of toxicity associated with immune checkpoint inhibitor therapy - [link](#)
- Acute toxicity related to misuse (nonmedical use) of tramadol: Experience of the European Drug Emergencies Network Plus - [link](#)
- Efficacy and safety of clopidogrel versus prasugrel and ticagrelor for coronary artery disease treatment in patients with CYP2C19 LoF alleles: a systemic review and meta-analysis - [link](#)

Cochrane

- Primary prophylaxis for venous thromboembolism in people undergoing major amputation of the lower extremity - [link](#)
- Fluid and pharmacological agents for adhesion prevention after gynaecological surgery – [link](#)
- Pharmacological treatment of depression in people with a primary brain tumour – [link](#)
- Probiotics for induction of remission in Crohn's disease - [link](#)
- Antibiotic adjuvant therapy for pulmonary infection in cystic fibrosis - [link](#)
- Statins for asthma - [link](#)
- Antiplatelet agents for preventing pre-eclampsia and its complications - [link](#)

Clinical Infectious Diseases

- The safety of delayed versus immediate antibiotic prescribing for upper respiratory tract infections - [link](#)

Internal Medicine Journal

- Fixed-dose three-factor prothrombin complex concentrates is safe and effective in warfarin reversal - [link](#)
- Oral amoxicillin challenge for low risk penicillin allergic patients - [link](#)
- Antimicrobial Stewardship Audit and Feedback rounds: moving beyond the restricted antibiotic list and the impact of electronic systems - [link](#)

International Journal for Quality in Health Care

- Sequential implementation of the EQUIPPED geriatric medication safety program as a learning health system - [link](#)

JAMA

Effect of Levothyroxine on Left Ventricular Ejection Fraction in Patients with Subclinical Hypothyroidism and Acute Myocardial Infarction. A Randomized Clinical Trial - [link](#)

JAMA Psychiatry

- Effect of Long-Acting Injectable Antipsychotics vs Usual Care on Time to First Hospitalization in Early-Phase Schizophrenia - [link](#)

Lancet Respiratory Medicine

- Lung recruitment before surfactant administration in extremely preterm neonates with respiratory distress syndrome (IN-REC-SUR-E): a randomised, unblinded, controlled trial - [link](#)

Lancet Neurology

- Safety and efficacy of fluoxetine on functional outcome after acute stroke (AFFINITY): a randomised, double-blind, placebo-controlled trial - [link](#)

National Institute for Health Research (NIHR)

-- Asthma patients with a history of opioid use have worse outcomes - [link](#)

New England Journal of Medicine

- Ticagrelor and Aspirin or Aspirin Alone in Acute Ischemic Stroke or TIA - [link](#)
- Vitamin D Supplements for Prevention of Tuberculosis Infection and Disease - [link](#)
- Review Article: Coffee, Caffeine, and Health - [link](#)

Public Library of Science (PLOS)

- Opportunistic screening for atrial fibrillation by clinical pharmacists in UK general practice during the influenza vaccination season: A cross-sectional feasibility study - [link](#)
- Efficacy and safety of bempedoic acid for the treatment of hypercholesterolemia: A systematic review and meta-analysis - [link](#)

Thrombosis and Haemostasis

- Comparison of Effectiveness between Anticoagulation and Thrombolysis Therapy for Pulmonary Embolism in Patients Complicated with Shock: A Nationwide Population-Based Study - [link](#)

TAG Mail – 16 July 2020

COVID-19 RESOURCES & ARTICLES OF INTEREST

Please click this [link](#) for the cumulative listing of COVID-19 resources in past TAG Mails.

AUSTRALIAN

Australian Government Department of Health

- Should I wear a face mask in public? - [link](#)

ACI

- Evidence check: Resuming elective surgery - [link](#)

NCCET

- Living Guidelines updates include: chloroquine, colchicine, breast feeding - [link](#)

SHPA

- COVID-19 member forum recent discussion topics include: Updated COVID-19 guidance from [FIP \(Part 1\)](#) - Clinical information and treatment guidelines, [Part 2](#) - Advice for pharmacy teams, [Part 3](#) - FAQs), FYI: TGA provisional [approval](#) to remdesivir.

TGA

- Notice of New Chemical Entity (remdesivir) to be included in July 2020 Poisons Standard - [link](#)

- Australia's first COVID treatment approved (remdesivir) - [link](#)
- Australian prescription medicine decision summary
- Veklury (remdesivir) for the treatment of Coronavirus Disease 2019 (COVID-19) in adults and adolescents (aged 12 years and older weighing at least 40 kg) with pneumonia, requiring supplemental oxygen- [link](#)

Victorian Institute of Forensic Medicine

- RAC Communiqué [Episode #4](#): COVID-19 follow-up edition

INTERNATIONAL

WHO

- Transmission of SARS-CoV-2: implications for infection prevention precautions: Scientific brief, 09 July 2020 - [link](#)

Australasian Society of Clinical Immunology and Allergy (ASCIA)

- Updated information on allergic rhinitis (hay fever) and asthma [here](#) and on use of face mask [here](#)

UK

British Oncology Pharmacy Association

- Guidance on the use of H2 antagonists for the prevention and management of hypersensitivity – [link](#)

CEBM

- What are the risk factors and effectiveness of prophylaxis for venous thromboembolism in COVID-19 patients? - [link](#)

NHS England

- Eltrombopag as bridging therapy to haematopoietic stem cell transplant in severe or very severe aplastic anaemia during the COVID19 pandemic (in adults): Rapid Policy [Statement](#)

NICE

- CFHealthHub for managing cystic fibrosis during the COVID-19 pandemic - [link](#)

The Independent SAGE (Scientific Advisory Group for Emergencies)

- Achieving a ZERO COVID UK - [link](#)
- Disparities in the impact of COVID-19 in Black and Minority Ethnic populations: review of the evidence and recommendations for action - [link](#)

USA

American Society of Health-System Pharmacists (ASHP)

- ASHP discussion forum ([Sign up](#) for free) recent topics of discussion include: dexamethasone Dosing Regimen for COVID-19; DVT prophylaxis dose in COVID patients; Hydroxychloroquine use for mild to moderate cases

ISMP

- COVID-19 Medication Safety Resource Page - [link](#)
- Medication Safety Officers Society (MSOS) at the ISMP discussion forum ([Sign up](#) for free) recent topics of discussion include: Remdesivir Infiltrations

JOURNAL ARTICLES

Aging Medicine

- Expert consensus on protocol of rehabilitation for COVID-19 patients using framework and approaches of WHO International Family Classifications - [link](#)

Br J Haematology

- Heterogeneity in reporting venous thromboembolic phenotypes in COVID-19: Methodological issues and clinical implications - [link](#)

Br J Psychiatry

- Abuse, self-harm and suicidal ideation in the UK during the COVID-19 pandemic - [link](#)

BMJ

- US purchases world stocks of remdesivir: why the rest of the world should be glad to be at the back of the queue - [link](#)
- Palliative care for patients with severe covid-19 - [link](#)
- Clinical Frailty Scale for risk stratification in patients with SARS-CoV-2 infection – [link](#)
- Complete protection from covid-19 is possible for health workers - [link](#)
- Covid-19: What do we know about “long covid”? - [link](#)
- Incidence of acute kidney injury and its association with mortality in patients with COVID-19: a meta-analysis - [link](#)

Cochrane

- Signs and symptoms to determine if a patient presenting in primary care or hospital outpatient settings has COVID-19 disease - [link](#)
- Convalescent plasma or hyperimmune immunoglobulin for people with COVID-19: a living systematic review - [link](#)

Diabetes & Metabolic Syndrome

- Diabetes management and specific considerations for patients with diabetes during coronavirus diseases pandemic: A scoping review - [link](#)

Emerg Med J

- Evidence-based medicine and COVID-19: what to believe and when to change - [link](#)

Epidemiology & Infection

- Bacillus Calmette–Guérin vaccination and clinical characteristics and outcomes of COVID-19 in Rhode Island, United States: a cohort study - [link](#)

Eur Heart J

- Pulmonary embolism in COVID-19 patients: a French multicentre cohort study - [link](#)

Eur J Hosp Pharm

- Informing critical care drug requirements in response to the COVID-19 pandemic - [link](#)

JAMA

- Pathophysiology, Transmission, Diagnosis, and Treatment of Coronavirus Disease 2019 (COVID-19) - [link](#)
- Airborne Transmission of SARS-CoV-2 - Theoretical Considerations and Available Evidence - [link](#)
- Persistent Symptoms in Patients after Acute COVID-19 - [link](#)
- Caring for Women Who Are Planning a Pregnancy, Pregnant, or Postpartum during the COVID-19 Pandemic - [link](#)

JAMA Internal Medicine

- Caring for Older Adults with Diabetes during the COVID-19 Pandemic - [link](#)

J Clin Med

- Role of Lopinavir/Ritonavir in the Treatment of Covid-19: A Review of Current Evidence, Guideline Recommendations, and Perspectives - [link](#)

Lancet

- Editorial: COVID-19: the worst may be yet to come - [link](#)

Lancet Global Health

- Potential impact of the COVID-19 pandemic on HIV, tuberculosis, and malaria in low-income and middle-income countries: a modelling study - [link](#)

Lancet Haematology

- Haematological characteristics and risk factors in the classification and prognosis evaluation of COVID-19: a retrospective cohort study - [link](#)

Med J Aust

- Current guidelines for respiratory protection of Australian health care workers against COVID-19 are not adequate and national reporting of health worker infections is required - [link](#)
- Crisis as opportunity: how COVID-19 will reshape the Australian health system - [link](#)

medRxiv

- Pre-print: The Efficacy of IL-6 Inhibitor Tocilizumab in Reducing Severe COVID-19 Mortality: A Systematic Review - [link](#)

Nature

- OpenSAFELY: factors associated with COVID-19 death in 17 million patients - [link](#)

N Engl J Med

- An mRNA Vaccine against SARS-CoV-2 — Preliminary Report - [link](#)

- Letter: Remdesivir for the Treatment of Covid-19 — Preliminary Report - [link](#)

- Letter: Hydroxychloroquine as Postexposure Prophylaxis for Covid-19 - [link](#)

- Audio Interview: Acute Lung Injury in Covid-19 - [link](#)

Pediatric Research

- COVID-19 PICU guidelines: for high- and limited-resource settings - [link](#)

Resp Med

- Use of corticosteroids in asthma and COPD patients with or without COVID-19 - [link](#)

REPORTS AND PUBLICATIONS – AUSTRALIA

ACI

- Opioid Quicksteps Guide – updated to reflect the new Pharmaceutical Benefits Scheme (PBS) changes to opioid prescriptions - [link](#)

Australian Institute for Health and Welfare (AIHW)

- Prevalence, incidence, hospitalisation and deaths from [diabetes](#), [cardiovascular disease](#) and [chronic kidney disease](#) in Australia

Clinical Excellence Commission (CEC) NSW

- Introducing the NSW Healthy Ageing and Fall Prevention Network - [link](#)

NSW Health Intranet

- Rural Paediatric Emergency Clinical Guidelines, Third Edition - [link](#)

TGA

- [Database](#) of section 19A approvals to import and supply medicines to address medicine shortages

REPORTS AND PUBLICATIONS – INTERNATIONAL

Canadian Agency for Drugs and Technologies in Health

- Therapeutic Substitution of Drug Treatment for Multi-Drug Resistant Tuberculosis: Guidelines - [link](#)

- Treatment of Latent Tuberculosis Infection After Re-Exposure: Guidelines - [link](#)

- Latent Tuberculosis Infection Testing in People with Compromised Immunity Prior to Biologic Therapy: Diagnostic Accuracy, Clinical Utility and Guidelines - [link](#)

- Capsaicin for Acute or Chronic Non-Cancer Pain: A Review of Clinical Effectiveness, Safety, and Cost-Effectiveness - [link](#)

electronic Medicines Compendium (eMC) (UK)

- New products

-- Ajovy ([fremanezumab](#)) for prophylaxis of migraine in adults with at least 4 migraine days per month

-- [Pergoveris](#) (lutropin alfa, follitropin alfa) for the stimulation of follicular development in adult women with severe LH and FSH deficiency

Food and Drug Administration (FDA) USA

- New Drug approvals

-- [Inqovi](#) (decitabine and cedazuridine) to treat adult patients with myelodysplastic syndromes

Medicines and Healthcare products Regulatory Agency (MHRA)

- Early access to medicines scheme (EAMS): positive scientific opinion issued for lumasiran in the treatment of primary hyperoxaluria type 1 in all age groups - [link](#)

NHS England

- Clinical Commissioning Policy
- Infliximab for refractory or progressive neurosarcoidosis (adults and post-pubescent children) - [link](#)
- Rituximab for refractory Systemic Lupus Erythematosus in adults and post-pubescent children - [link](#)
- Telotristat for treating carcinoid syndrome diarrhoea (adults) - [link](#)
- Ustekinumab for refractory Crohn's disease in pre-pubescent children - [link](#)
- Vedolizumab for refractory ulcerative colitis in pre-pubescent children - [link](#)

NICE

- Specialist neonatal respiratory care for babies born preterm- quality standard ([QS193](#))

MEDICATION SAFETY

electronic Medicines Compendium (eMC) (UK)

- Revised SPCs
- [Aldactide](#) (spironolactone and hydroflumethiazide) – choroidal effusion with visual field defect reported after the use of thiazide and thiazide-like diuretics
- Benlysta ([belimumab](#)) - caution in patients ≥65 years; large safety study data added, including information in infection risk
- Chloraprep ([chlorhexidine](#) gluconate) warns that chlorhexidine-containing products are known causes of anaphylactic reactions during anaesthesia
- [Delstrigo](#) (doravirin /lamivudine/tenofovir) - lactic acidosis reported alone or in combination with other antiretrovirals
- Diflucan ([fluconazole](#)) - moderate inhibitors of CYP3A4, such as fluconazole, increase plasma ibrutinib concentrations and may increase risk of toxicity
- Dupixent ([dupilumab](#)) - anaphylactic, angioedema, and serum sickness like reactions reported
- Kevzara (sarilumab) - pneumonia and cellulitis uncommon (≥ 1/1,000 to < 1/100) adverse effects
- Lemtrada ([alemtuzumab](#)) - rare cases of pericarditis, pericardial effusion, other pericardial events
- Libtayo ([cemiplimab](#)) - solid organ transplant rejection reported
- Nerlynx ([neratinib](#)) - treatments increasing gastrointestinal pH (including proton pump inhibitors) may lower the absorption of neratinib
- Solvaldi ([sofosbuvir](#)) – now includes paediatric use in patients aged 3 to < 12 years, as a treatment of chronic hepatitis C
- [Stribild](#) (elvitegravir/cobicistat/emtricitabine/tenofovir disoproxil) - co-administration with clopidogrel is not recommended
- Sustanon ([testosterone](#)) - caution in patients with thrombophilia or risk factors for VTE
- Brintellix ([vortioxetine](#)) tablets - Aggression/agitation and insomnia now highlighted as potential adverse effects (frequency unknown). Mydriasis also reported (rare), and hence caution is advised when using in patients with increased intraocular pressure.
- Risk minimisation materials
- [Duodopa](#) (levodopa/carbidopa) intestinal gel: Best practice patient aftercare
- Gilenya ([fingolimod](#)) – prescribers checklist
- Increlex ([mecasermin](#)) solution for injection – dosing guide
- Myalepta ([metreleptin](#)) powder for solution - Healthcare professional guide
- Spravato ([esketamine](#)) 28 mg nasal spray - Healthcare Professional Guide - how to minimise and manage risk of transient dissociative states and perception disorders (dissociation), disturbances in consciousness, increased blood pressure and drug abuse
- Toctino ([alitretinoin](#)) – prescriber/pharmacist checklist

Food and Drug Administration (FDA) USA

- FDA Updates and Press Announcements on NDMA in Metformin - [link](#)

ISMP

- Medication Safety Alert! [July 16, 2020](#)
- NRFit: A Global “Fit” for Neuraxial Medication Safety - [link](#)
- Use brand names to help differentiate tacrolimus formulations
- Name confusion with rapid-acting insulins

-- Acute Care Action Agenda (April – June 2020)

TGA

- Xarelto ([rivaroxaban](#)) product information updated for use in severe renal impairment
- Hazard alert: Essure contraceptive device - labelling update relating to potential risks - [link](#)

PAPERS OF INTEREST

Arthritis & Rheumatology

- Efficacy and Safety of Upadacitinib Monotherapy in Methotrexate-naïve Patients with Moderately to Severely Active Rheumatoid Arthritis (SELECT-EARLY): A Randomized, Double-blind, Active-comparator, Multi-center, Multi-country Trial - [link](#)

British Journal of Clinical Pharmacology

- Comparing risk of major bleeding between users of different oral anticoagulants in patients with non-valvular atrial fibrillation - [link](#)
- The pharmacotherapy team: A novel strategy to improve appropriate in-hospital prescribing using a participatory intervention action method - [link](#)

British Journal of Psychiatry

- Methylphenidate and mortality in children with attention-deficit hyperactivity disorder: population-based cohort study - [link](#)

Cochrane

- New generation antidepressants for depression in children and adolescents: a network meta-analysis - [link](#)
- Pravastatin for lowering lipids - [link](#)

Diabetes Care

- Efficacy and Safety of Glimpiride With or Without Linagliptin Treatment in Patients with HNF1A Diabetes (Maturity-Onset Diabetes of the Young Type 3): A Randomized, Double-Blinded, Placebo-Controlled, Crossover Trial (GLIMLINA) - [link](#)

European Journal of Hospital Pharmacy

- [Impact of pharmacist interventions on drug-related problems in general surgery patients: a randomised controlled trial - link](#)

European Society of Cardiology

- Ethics of digital health tools - [link](#)

JAMA

- Association of Radial Artery Graft vs Saphenous Vein Graft with Long-term Cardiovascular Outcomes among Patients Undergoing Coronary - [link](#)
- Review: Use of Run-in Periods in Randomized Trials - [link](#)

JAMA Psychiatry

- Effectiveness of Sequential Psychological and Medication Therapies for Insomnia Disorder - [link](#)

Journal of Clinical Oncology

- Prevention and Management of Chemotherapy-Induced Peripheral Neuropathy in Survivors of Adult Cancers: ASCO Guideline Update - [link](#)

Lancet

- Fertility, mortality, migration, and population scenarios for 195 countries and territories from 2017 to 2100: a forecasting analysis for the Global Burden of Disease Study - [link](#)

Medical Journal of Australia

- Hospital in the home: needed now more than ever - [link](#)

New England Journal of Medicine

- A Randomized Trial of a Multifactorial Strategy to Prevent Serious Fall Injuries - [link](#)

NIHR

- Some antidepressants can help people quit smoking, but other medications may offer greater benefits - [link](#)

Pediatrics (American Academy of Pediatrics)

- A Pediatric Hospital Policy for Medical Marijuana Use - [link](#)

Pharmacotherapy

- A Systematic Review and Meta-Analysis of Metolazone Compared to Chlorothiazide for Treatment of Acute Decompensated Heart Failure - [link](#)

PLOS ONE

- A qualitative exploration of cardiovascular disease patients' views and experiences with an eHealth cardiac rehabilitation intervention: The PATHway Project - [link](#)

TAG Mail – 9 July 2020

COVID-19 RESOURCES & ARTICLES OF INTEREST

Please click this [link](#) for the cumulative listing of COVID-19 resources in past TAG Mails.

AUSTRALIAN

Australian Government Department of Health

- Australian Health Protection Principal Committee (AHPPC) statement on recommendations for managing of health risk as COVID-19 measures lift - [link](#)

NCCET

- Living Guidelines updates include: Dexamethasone for adults receiving oxygen, Dexamethasone for adults who do not require oxygen - [link](#)

- Statement from the National COVID-19 Clinical Evidence Taskforce on media release of results of dexamethasone arm of the UK RECOVERY Trial - [link](#)

SHPA

- COVID-19 member forum recent discussion topics include: How to access remdesivir from the National Medicines Stockpile for treatment of COVID-19 patients

TGA

- Podcast: [Episode 8](#): COVID-19 and the TGA

- Children's paracetamol liquid returns to front-of-counter, but supply limits remain - [link](#)

Victorian Institute of Forensic Medicine

- RAC Communiqué [Episode #4](#): COVID-19 follow-up edition

VicHealth

- Short talk on YouTube by Prof Sir Michael Marmot: Life And Health Re-imagined - [link](#)

INTERNATIONAL

WHO

- WHO discontinues hydroxychloroquine and lopinavir/ritonavir treatment arms for COVID-19 - [link](#)

Europe

EMA

- European Commission grants conditional marketing authorisation to remdesivir (Veklury) for treatment of COVID-19 in adults and adolescents from 12 years of age with pneumonia who require supplemental oxygen - [link](#)

UK

Leeds Teaching Hospitals

- COVID-19 patient rehabilitation booklet. Information for patients - [link](#)

NHS England SPS

- Dexamethasone and COVID-19 - [link](#)

- Medicines Use and Safety Update [July 2020](#)

USA

American Society of Health-System Pharmacists (ASHP)

- ASHP discussion forum ([Sign up](#) for free) recent topics of discussion include: Sterile Compounding Competency Evaluations during COVID; Sedation goal in COVID-19; Remdesivir Cost-Effective Analysis

JOURNAL ARTICLES

AJHP

- Practical considerations in prevention and treatment of venous thromboembolism in hospitalized patients with COVID-19 - [link](#)

- Budgeting in the time of COVID-19 - [link](#)

Ann Intern Med

- Clinical Validity of Serum Antibodies to SARS-CoV-2. A Case–Control Study - [link](#)

- How to Quantify and Interpret Treatment Effects in Comparative Clinical Studies of COVID-19 - [link](#)

BMJ

- Diagnostic accuracy of serological tests for covid-19: systematic review and meta-analysis - [link](#)

- Editorial: Dexamethasone in the management of covid -19 - [link](#)

- Editorial: Twin epidemics of covid-19 and non-communicable disease - [link](#)

- Covid-19: The inside story of the RECOVERY trial - [link](#)

BMJ Gut

- Letter: Alteration of taste or smell as a predictor of COVID-19 - [link](#)

Cell Metabolism

- In-Hospital Use of Statins Is Associated with a Reduced Risk of Mortality among Individuals with COVID-19 - [link](#)

Clinical Infectious Diseases

- Commentary on airborne transmission of COVID-19 - [link](#)

Cochrane

- Psychological interventions to foster resilience in healthcare professionals - [link](#)

Eur J Hosp Pharm

- Do psychotropic drugs used during COVID-19 therapy have an effect on the treatment process? - [link](#)

Expert Opinion on Biological Therapy

- COVID-19 pneumonia and immune-related pneumonitis: critical issues on differential diagnosis, potential interactions, and management - [link](#)

Hastings Center Report

- Covid-19: Exposing the Lack of Evidence-Based Practice in Medicine - [link](#)

Heart

- Treatment with ACE inhibitors or ARBs and risk of severe/lethal COVID-19: a meta-analysis - [link](#)

Infect Dis Health

- Characteristics of personal protective equipment training programs in Australia and New Zealand hospitals: A survey - [link](#)

JAMA

- Viewpoint: Developing a SARS-CoV-2 Vaccine at Warp Speed - [link](#)
- The Development of COVID-19 Vaccines. Safeguards Needed - [link](#)

JAMA Neurology

- Risk of Ischemic Stroke in Patients with Coronavirus Disease 2019 (COVID-19) vs Patients with Influenza - [link](#)

JAMA Otolaryngol Head Neck Surg

- Evolution of Altered Sense of Smell or Taste in Patients with Mildly Symptomatic COVID-19 - [link](#)
- Treatment Recommendations for Persistent Smell and Taste Dysfunction Following COVID-19—The Coming Deluge - [link](#)

JPPR

- Optimising medication management during the COVID-19 pandemic - [link](#)
- Editorial: Strengthening what we already have: collaborations to prevent medication shortages amid COVID-19 - [link](#)

The Lancet

EClinicalMedicine

- Scoring systems for predicting mortality for severe patients with COVID-19 - [link](#)
- Subcutaneous tocilizumab treatment in patients with severe COVID-19–related cytokine release syndrome: An observational cohort study - [link](#)

Lancet Respiratory

- Viewpoint: COVID-19-associated acute respiratory distress syndrome: is a different approach to management warranted? - [link](#)

Lancet Neurology

- Neurological associations of COVID-19 - [link](#)

Med J Aust

- Superspreaders, asymptomatics and COVID-19 elimination - [link](#)

Therapeutics and Clinical Risk Management

- Major Neurologic Adverse Drug Reactions, Potential Drug–Drug Interactions and Pharmacokinetic Aspects of Drugs Used in COVID-19 Patients with Stroke: A Narrative Review – [link](#)

REPORTS AND PUBLICATIONS – AUSTRALIA

Australian Institute for Health and Welfare (AIHW)

- Health and ageing of Australia's prisoners 2018 - [link](#)
- MyHospitals data: [Access to hospitals](#); [Hospital safety and quality](#); [Non-admitted patients](#); [Hospital activity](#); [Elective surgery](#); [Hospital workforce](#); [Admitted patients](#); [Spending on hospitals](#).

TGA

- [Database](#) of section 19A approvals to import and supply medicines to address medicine shortages
- AusPARs:
 - [Dinutuximab beta](#) - high-risk neuroblastoma in patients aged 12 months and above, who have had partial response with induction chemotherapy, or relapsed/refractory neuroblastoma
 - [Infliximab \(rmc\)](#) - same indications as innovator (reference medicinal) product Remicade®
 - [Ixekizumab](#) - ankylosing spondylitis (radiographic axial spondyloarthritis) in adult patients
 - Kisqali® ([ribociclib](#) succinate) - postmenopausal women with hormone receptor (HR)-positive, human epidermal growth factor receptor 2 (HER2)-negative advanced or metastatic breast cancer, as an initial endocrine-based therapy
- Australian prescription medicine decision [summaries](#):
 - Mvasi® ([bevacizumab](#)) – colorectal, breast, NSCLC, renal, peritoneal, cervical cancer, Grade IV glioma
- Registration of [new or extended uses](#) of registered medicine:

- Sprycel® (dasatinib) - paediatric patients with Ph+ CML in the chronic phase, newly diagnosed Ph+ ALL in combination with chemotherapy
- Toujeo® (insulin glargine) - diabetes mellitus in adolescents and children 6 years of age and older
- Keytruda® (pembrolizumab) - first-line treatment of patients with advanced renal cell carcinoma in combination with axitinib

REPORTS AND PUBLICATIONS – INTERNATIONAL

electronic Medicines Compendium (eMC) (UK)

- Ultomiris® ([ravulizumab](#)) - new indication - treatment of patients with a body weight of ≥ 10 kg with atypical haemolytic uremic syndrome who are complement inhibitor treatment-naïve or have received eculizumab for ≥ 3 months and have evidence of response
- Yescarta® ([axicabtagene ciloleuce](#)) - at least 1 dose of tocilizumab must be available for use in the event of cytokine release syndrome; treatment centres should have access to an additional dose of tocilizumab within 8 hours of each previous dose
- New products
- Veklury® ([remdesivir](#)) licensed for COVID-19 in adults and adolescents (12 years and older with body weight at least 40 kg) with pneumonia requiring supplemental oxygen
- Aethoxysklerol® ([lauromacrogol](#) or polidocanol) licensed for sclerotherapy of varicose veins of the lower extremities

Food and Drug Administration (FDA) USA

- New Drug approvals
- Rukobia® ([fostemsavir](#)) – to treat HIV
- Byfavo® ([remimazolam](#)) – for sedation
- Dojolvi® ([trihepatinoin](#)) - treat molecularly long-chain fatty acid oxidation disorders

Public health England

- Insufficient evidence for vitamin D preventing or treating ARTIs - [link](#)

Specialist Pharmacy Services

- Is there a role for inhaled epoprostenol, inhaled nitric oxide or sildenafil to treat secondary pulmonary hypertension and hypoxaemia in ICU patients with acute respiratory distress syndrome? - [link](#)

The National Academies Press

- The Clinical Utility of Compounded Bioidentical Hormone Therapy - [link](#)

MEDICATION SAFETY

electronic Medicines Compendium (eMC) (UK)

- Revised SPCs
- [Cyramza®](#) - posterior reversible encephalopathy syndrome, including fatal cases, rarely reported
- Glivec® ([imatinib](#)) - women of childbearing potential must use effective contraception for at least 15 days after stopping treatment
- Isturisa® ([osilodrostat](#) phosphate) for endogenous Cushing's syndrome in adults
- OxyContin® ([oxycodone](#)) prolonged release - drug dependence, tolerance, potential for abuse, drug withdrawal syndrome, hyperalgesia, neonatal withdrawal syndrome, newborn respiratory depression warnings
- Pradaxa® ([dabigatran](#)) - 'neutropenia' and 'agranulocytosis' adverse reactions (frequency unknown)
- Topamax® ([topiramate](#)) – uveitis added as an adverse effect (frequency unknown)
- Zejula® ([niraparib](#)) - posterior reversible encephalopathy syndrome reported
- Tybost® ([cobicicistat](#)) tablets - now highlights co-administration with clopidogrel is not recommended as cobicicistat is expected to decrease clopidogrel active metabolite levels. However, no effect on prasugrel pharmacokinetics is expected and if Tybost is given concurrently no dose adjustment is required.
- Vokanamet® ([canagliflozin/metformin](#)) tablets - now highlights that risk of diabetic ketoacidosis appears higher in patients with moderately to severely decreased renal function who require insulin.

Food and Drug Administration (FDA) USA

- FDA warns consumers of risk of methanol contamination in certain hand sanitizers - [link](#)

Health Canada – MedEffect Notice

- Picato® (ingenol mebutate) - Assessing the Potential Risk of Skin Cancer - [link](#)
- Brilinta® (ticagrelor) - Assessing the Potential Risks of a Worsening of a Slow and Irregular Heartbeat (Bradyarrhythmia) and Partial or Complete Block in the Transmission of Heart Impulses (Second- and Third-Degree Atrioventricular Block) - [link](#)

TGA

- Safety [advisory](#): Zostavax® vaccine - not to be used in people with compromised immune function
- Safety [advisory](#): The Original 3 Bullets® capsules

PAPERS OF INTEREST

American Journal of Health-System Pharmacy (AHJP)

- Novel mobile application for direct communication between pharmacists and patients treated with oral antineoplastic agents - [link](#)
- Implementation of a chemotherapy stewardship process - [link](#)
- Impact of interoperability of smart infusion pumps and an electronic medical record in critical care - [link](#)
- Assessment of impact of daily huddles and visual displays on medication delivery timeliness in a large academic medical center - [link](#)
- Demystifying artificial intelligence in pharmacy - [link](#)
- Implementation of order sets for opioid alternatives in community hospital emergency departments - [link](#)

Annals of Internal Medicine

- Association between Oral Corticosteroid Bursts and Severe Adverse Events. A Nationwide Population-Based Cohort Study - [link](#) with [editorial](#)
- Association Between Treatment with Apixaban, Dabigatran, Rivaroxaban, or Warfarin and Risk for Osteoporotic Fractures Among Patients with Atrial Fibrillation - [link](#)

BMJ Quality and Safety

- User-testing guidelines to improve the safety of intravenous medicines administration: a randomised in situ simulation study - [link](#)

British Journal of Clinical Pharmacology

- Prevalence of adverse drug events and adverse drug reactions in hospital among older patients with dementia: A systematic review - [link](#)
- Letter: Fixed drug eruption (FDE) induced by mefenamic acid with unusually cross-reactivity to diclofenac: A case report - [link](#)
- Evidence for the impact of interventions and medicines reconciliation on problematic polypharmacy in the UK: A rapid review of systematic reviews - [link](#)
- The effect of initiation of renin–angiotensin system inhibitors on haemoglobin: A national cohort study - [link](#)
- Population pharmacokinetics of olanzapine in children – [link](#)
- Patterns of use and safety of ibrutinib in real-life practice - [link](#)
- Bone mineral density improves during 2 years of treatment with bisphosphonates in patients with ankylosing spondylitis - [link](#)
- Warfarin and food, herbal or dietary supplement interactions: A systematic review - [link](#)

British Medical Journal (BMJ)

- Comparative effectiveness of biological medicines in rheumatoid arthritis: systematic review and network meta-analysis including aggregate results from re-analysed individual patient data - [link](#)

Cochrane

- *Helicobacter pylori* eradication for the prevention of gastric neoplasia - [link](#)
- Lamotrigine add-on therapy for drug-resistant generalised tonic-clonic seizures – [link](#)

Diabetes Care

- Anti-PD-1 Therapy Associated Type 1 Diabetes in a Pediatric Patient with Relapsed Classical Hodgkin Lymphoma - [link](#)

Heart

- Colchicine for acute and chronic coronary syndromes - [link](#)

Internal Medicine Journal

- Excellent outcomes of transformed lymphomas in the rituximab era without autologous stem cell transplantation: an Australian, single-centre experience - [link](#)

International Journal of Clinical Pharmacy

- Multidrug-resistant gram-negative organisms: a review of recently approved antibiotics and novel pipeline agents - [link](#)

JAMA

- Management of Hepatitis A in 2020-2021 - [link](#)

- Effect of Probiotic Use on Antibiotic Administration among Care Home Residents. A Randomized Clinical Trial - [link](#)

- Association of Statin Use with All-Cause and Cardiovascular Mortality in US Veterans 75 Years and Older - [link](#)

JAMA Cardiology

- Association of Bempedoic Acid Administration with Atherogenic Lipid Levels in Phase 3 Randomized Clinical Trials of Patients with Hypercholesterolemia - [link](#)

JAMA Dermatology

- Evaluation of a Comprehensive Skin Toxicity Program for Patients Treated with Epidermal Growth Factor Receptor Inhibitors at a Cancer Treatment Center - [link](#)

JAMA Psychiatry

- Association of End Point Definition and Randomized Clinical Trial Duration in Clinical Trials of Schizophrenia Medications - [link](#)

JAMIA (Journal of the American Medical Informatics Association)

- The tradeoffs between safety and alert fatigue: Data from a national evaluation of hospital medication-related clinical decision support - [link](#)

Journal of Clinical Oncology

- Teriparatide Promotes Bone Healing in Medication-Related Osteonecrosis of the Jaw: A Placebo-Controlled, Randomized Trial - [link](#)

Journal for Healthcare Quality

- A Systematic Review of Clinical Outcomes Associated With Intrahospital Transitions – [link](#)

- Differences in Outcomes After Anesthesia-Related Adverse Events in Older and Younger Patients – [link](#)

- Evaluating a Fall Risk Assessment Tool in an Emergency Department – [link](#)

- Using a Systems Engineering Framework to Evaluate Proton Pump Inhibitor Prescribing in Critically Ill Patients - [link](#)

Journal of Patient Safety

- Systemic Defenses to Prevent Intravenous Medication Errors in Hospitals: A Systematic Review - [link](#)

Journal of Pharmacy Practice and Research (JPPR)

- Letter: Hospital-initiated medication review – time to deliver on a decade of promises - [link](#)

- Hospital pharmacy services supporting Aboriginal or Torres Strait Islander peoples in Australia: a systematic review - [link](#)

- Editorial: Anticoagulation in the immediate postnatal peripartum period: more evidence needed to balance risks - [link](#)

National Institute for Health Research (NIHR)

- NIHR Signals
- New research supports the move to raise the blood pressure target for frail older people - [link](#)

NEJM

- A Randomized Trial of a Multifactorial Strategy to Prevent Serious Fall Injuries - [link](#)
- Systematic or Test-Guided Treatment for Tuberculosis in HIV-Infected Adults - [link](#)

Pediatrics (American Academy of Pediatrics)

- Opioids or Steroids for Pneumonia or Sinusitis - [link](#)
- Reducing Vancomycin Use in a Level IV NICU - [link](#)

Public Health Research & Practice

- The Intervention Scalability Assessment Tool: a pilot study assessing five interventions for scalability - [link](#)

The Lancet

- Efficacy of vitamin D3 supplementation for the prevention of pulmonary tuberculosis and mortality in HIV: a randomised, double-blind, placebo-controlled trial - [link](#)
- Antipsychotic medication versus psychological intervention versus a combination of both in adolescents with first-episode psychosis (MAPS): a multicentre, three-arm, randomised controlled pilot and feasibility study

TAG Mail – 2 July 2020

COVID-19 RESOURCES & ARTICLES OF INTEREST

Please click this [link](#) for the cumulative listing of COVID-19 resources in past TAG Mails.

AUSTRALIAN

Australian Government Department of Health

- Australian Health Protection Principal Committee (AHPPC) statement on the review of physical distancing and person density restrictions - [link](#)

ACI

- Evidence check: COVID-19 transmission risk on aircraft - [link](#)

CEC

- Medication Safety Update – [1 July 2020](#)

NCCET

- Living Guidelines updates include: remdesivir in pregnancy, children and adolescents - [link](#)

NSW Health

- [COVID Connexion](#) launched to support staff: 24/7 trusted and confidential wellbeing advice
- Use of Viral Filters for Respiratory Care in Neonates - [link](#)

NPS MedicineWise

- Dexamethasone and COVID-19 - [link](#)
- Podcast: [Episode 6](#): Dexamethasone and COVID-19 - an initial look
- Podcast: [Episode 7](#): Cardiovascular disease and COVID-19
- AP podcast: [Episode 82](#): Immunosuppression for COVID-19

INTERNATIONAL

WHO

- Critical preparedness, readiness and response actions for COVID-19: interim guidance, 24 June 2020 - [link](#)
- Updated: Smoking and COVID-19: [scientific brief](#), 30 June 2020

ISQUA

- Live webinar: How Do We Carry On? Transitions in Health Services During the Pandemic and Beyond with Dr Jennifer Zelmer - Wednesday 15 July 2020, 13:00 - 14:00 (UTC+1) - [link](#)

America

American College of Medical Toxicology

- COVID-19 Webinar Series Prospectus Available - [link](#)

Europe

EMA

- Veklury ([remdesivir](#)) - first COVID-19 treatment recommended for EU authorisation
- German guidelines (translated)
- Maintaining capacity in the healthcare system during the COVID-19 pandemic by reinforcing clinicians' resilience and supporting second victims - [link](#)

UK

CEBM

- Dexamethasone – [link](#)

MHRA

- Chloroquine and Hydroxychloroquine not licensed for coronavirus (COVID-19) treatment – [link](#)

NICE

- [ES28](#) COVID-19 rapid evidence summary: vitamin D for COVID-19

RCOA/Fac Intens Care Med/Intens Care Soc/Assoc Anaesth

- Clinical guide for the management of critical care for adults with COVID-19 during the Coronavirus pandemic - [link](#)

JOURNAL ARTICLES

Antimicrobial Agents and Chemotherapy

- Impact of glucocorticoid treatment in SARS-COV-2 infection mortality: A retrospective controlled cohort study - [link](#)

Ann Rheum Dis

- Letter: Hydroxychloroquine shortages among patients with systemic lupus erythematosus during the COVID-19 pandemic: experience of the Systemic Lupus International Collaborating Clinics - [link](#)

Arthritis and Rheumatology

- Use of Anakinra to Prevent Mechanical Ventilation in Severe COVID-19: A Case Series - [link](#)

BMJ

- Covid-19: Oxford team begins vaccine trials in Brazil and South Africa to determine efficacy - [link](#)

Cochrane

- Antibody tests for identification of current and past infection with SARS-CoV-2 - [link](#)

Int J Qual Health Care

- COVID-19: patient safety and quality improvement skills to deploy during the surge - [link](#)

JAMA

- Viewpoint: Missed Opportunities on Emergency Remdesivir Use - [link](#)

- Viewpoint: A Proposed Lottery System to Allocate Scarce COVID-19 Medications - [link](#)

JAMA Network Open

- Effect of Colchicine vs Standard Care on Cardiac and Inflammatory Biomarkers and Clinical Outcomes in Patients Hospitalized with Coronavirus Disease 2019 - [link](#)

JAMA Psychiatry

- Management of Patients with Severe Mental Illness during the Coronavirus Disease 2019 Pandemic - [link](#) and [viewpoint](#)

Journal of Public Health

- Greater risk of severe COVID-19 in Black, Asian and Minority Ethnic populations is not explained by cardiometabolic, socioeconomic or behavioural factors, or by 25(OH)-vitamin D status: study of 1326 cases from the UK Biobank – [link](#)

Jt Comm J Qual Patient Saf

- Communication with health care workers regarding health care-associated exposure to coronavirus 2019: a checklist to facilitate disclosure - [link](#)

Lancet Rheumatology

- Tocilizumab in patients with severe COVID-19: a retrospective cohort study - [link](#)

MedRxiv

- Pre-print: Mapping the Global Research and Clinical Trials in COVID-19 - [link](#)

Med J Aust

- Challenges of diabetes management during the COVID-19 pandemic - [link](#)

NEJM

- Multisystem Inflammatory Syndrome in U.S. Children and Adolescents - [link](#) (editorial [link](#))

Palliat Med

- End-of-life Care in COVID-19: An Audit of Pharmacological Management in Hospital Inpatients - [link](#)

REPORTS AND PUBLICATIONS – AUSTRALIA

Australian Institute for Health and Welfare (AIHW)

- Indigenous primary health care: results from the OSR and nKPI collections - [link](#)
- Alcohol, tobacco & other drugs in Australia - [link](#)
- Alcohol and other drug treatment services in Australia, 2018–19 - [link](#)
- Palliative care services in Australia - [link](#)
- New downloadable [fact sheets](#) on alcohol, cannabis, illicit opioids, meth/amphetamine and other stimulants, tobacco, and NPSs in Australia; non-medical use of pharmaceutical drugs; and more!
- Use of emergency departments for lower urgency care: 2015–16 to 2018–19 - [link](#)

Victorian Institute of Forensic Medicine

- Clinical Communiqué Volume 7 Issue [2 June 2020](#)

REPORTS AND PUBLICATIONS – INTERNATIONAL

Canadian Agency for Drugs and Technologies in Health

- Capsaicin for Acute or Chronic Non-Cancer Pain: A Review of Guidelines - [link](#)

electronic Medicines Compendium (eMC) (UK)

- New products
- Inhixa® ([enoxaparin sodium](#)) 30,000 IU (300 mg)/3 mL solution for injection in multidose vial

European Medicines Agency (EMA)

- [Kaftrio](#): elexacaftor, tezacaftor and ivacaftor - new medicine for cystic fibrosis patients
- Idefirix ([imlifidase](#)) - new treatment to enable kidney transplant in highly sensitised patients

Food and Drug Administration (FDA) USA

- New Drug approvals
- Keytruda ([pembrolizumab](#)) - First-Line Immunotherapy for Patients with MSI-H/d

- [Phesgo](#): pertuzumab, trastuzumab and hyaluronidase–zzxf - Breast Cancer Treatment That Can Be Administered At Home by Health Care Professionals
- Fintepla ([fenfluramine](#)) - New Therapy for Dravet Syndrome
- Xpovio ([selinexor](#)) - XPO1 inhibitor for relapsed or refractory diffuse large B-cell lymphoma

Health Canada

- Health Product InfoWatch, [June 2020](#)

National Institute for Health and Clinical Excellence (NICE) UK

- [TA626](#) Avatrombopag for treating thrombocytopenia in people with chronic liver disease needing a planned invasive procedure
- Final appraisal document: [ID1512](#) Entrectinib for treating NTRK fusion-positive solid tumours
- Final Appraisal document: Abiraterone for newly diagnosed high-risk hormone-sensitive metastatic prostate cancer - [link](#)
- Atezolizumab with carboplatin and etoposide for untreated extensive-stage small-cell lung cancer- guidance ([TA638](#))
- Atezolizumab with nab-paclitaxel for untreated PD-L1-positive, locally advanced or metastatic, triple-negative breast cancer- guidance ([TA639](#))

Specialist Pharmacy Services

- Oral vitamin B12 – what are the prescribing considerations and what formulations are available? - [link](#)

MEDICATION SAFETY

electronic Medicines Compendium (eMC) (UK)

- Revised SPCs
- Dynastat ([parecoxib sodium](#)) – DRESS syndrome may occur, highest risk early in therapy
- Evra ([ethinylestradiol/norelgestromin](#)) patch - anaphylactic reaction added as rare adverse event
- Ferinject ([ferric carboxymaltose](#)) - new indication of treatment of iron deficiency when clinical need to deliver iron rapidly
- Kalydeco ([ivacaftor](#)) - use in patients 6 years and older with R117H CFTR mutation included
- Soliris ([eculizumab](#)) - home infusion may now be considered if infusions tolerated in clinic
- Tenoretic / Tenoret ([atenolol/chlortalidone](#)) - Choroidal effusion added as ADR-unknown frequency
- Topogyne ([misoprostol](#)) – additional indication Cervix uteri preparation prior to surgical termination of pregnancy during the first trimester; very common adverse reaction: uterine bleeding
- Tygacil ([tigecycline](#)) – monitor coagulation parameters, hypofibrinogenaemia as adverse effects
- Xermelo ([telotristat ethyl](#)) - Data from 2 studies in hepatic impairment (HI) added to SPC. Based on these findings, a reduction in dose may be necessary in patients with mild/moderate HI (respectively Child Pugh scores A and B) and use is not recommended in severe HI (Child Pugh score C).

EMA

- European regulators make recommendations drawing on lessons learnt from presence of nitrosamines in sartan medicines - [link](#)

ISMP

- Medication Safety Alert! July 2, 2020
- Inappropriate FentaNYL Patch Prescriptions at Discharge for Opioid-Naïve, Elderly Patients
- Update on Omnicell variable character search feature
- Reminder: Time to end vinCRISTine syringe administration
- Letting the docs dispense

Medicines and Healthcare products Regulatory Agency (MHRA) UK

- Cyproterone acetate: new advice to minimise risk of meningioma - [link](#)
- Direct-acting oral anticoagulants (DOACs): reminder of bleeding risk, including availability of reversal agents - [link](#)

TGA

- TGA Laboratories testing report: Microbiological testing of medicines containing Green-lipped Mussel - [link](#)

- Safety advisory: Counterfeit Alprazolam 2mg and Kalma 2 tablets - [link](#)

PAPERS OF INTEREST

American Journal of Health-System Pharmacy (AHJP)

- Implementation and sustainability of a medication reconciliation toolkit: A mixed methods evaluation - [link](#)
- Caplacizumab: an anti-von Willebrand factor antibody for the treatment of thrombotic thrombocytopenic purpura - [link](#)

Annals of Internal Medicine

- A sociotechnical framework for safety-related electronic health record research reporting: the SAFER reporting framework - [link](#)
- Comparative Effectiveness of Glucose-Lowering Drugs for Type 2 Diabetes. A Systematic Review and Network Meta-analysis - [link](#) with [editorial](#)

BMJ Open

- Comparison of intravitreal dexamethasone implant and anti-VEGF drugs in the treatment of retinal vein occlusion-induced oedema: a meta-analysis and systematic review - [link](#)

British Journal of Clinical Pharmacology

- Bayes-based dosing of infliximab in inflammatory bowel diseases: Short-term efficacy - [link](#)
- Association between hydrochlorothiazide exposure and different incident skin, lip and oral cavity cancers: A series of population-based nested case-control studies - [link](#)

British Journal of General Practice

- Prescription of suboptimal statin treatment regimens: a retrospective cohort study of trends and variation in English primary care - [link](#)

British Journal of Psychiatry

- A retrospective study of intramuscular clozapine prescription for treatment initiation and maintenance in treatment-resistant psychosis - [link](#)

Circulation

- Cangrelor, Tirofiban and Chewed or Standard Prasugrel Regimens in Patients with ST-Segment Elevation Myocardial Infarction: Primary Results of the FABOLUS FASTER Trial - [link](#)

Cochrane

- Potassium binders for chronic hyperkalaemia in people with chronic kidney disease - [link](#)
- Dipeptidyl peptidase-4 inhibitors, glucagon-like peptide 1 receptor agonists and sodium-glucose co-transporter-2 inhibitors for people with cardiovascular disease: a network meta-analysis - [link](#)

Drug Ther Bull

- Does deprescribing in older people improve outcomes? - [link](#)
- Osteoporosis: evidence for vitamin D and calcium in older people - [link](#)

European Journal of Hospital Pharmacy

- Safety and effectiveness of a four-factor prothrombin complex concentrate for vitamin K antagonist reversal following a fixed-dose strategy - [link](#)

Heart

- Patterns of oral anticoagulation use with cardioversion in clinical practice - [link](#)

Heart, Lung and Circulation

- Prescribing Performance Post-Acute Coronary Syndrome Using a Composite Medication Indicator: ANZACS-QI 24 - [link](#)
- The Impact of Out-of-Hours Presentation on Clinical Outcomes in ST-Elevation Myocardial Infarction - [link](#)

JAMA Internal Medicine

- Letter: Association Between Penicillin Allergy Documentation and Antibiotic Use - [link](#)

Journal of the American Geriatrics Society

- DOACs Versus VKAs in Older Adults Treated for Acute Venous Thromboembolism: Systematic Review and Meta-Analysis - [link](#)
- Old and New Geriatric Screening Tools in a Belgian Emergency Department: A Diagnostic Accuracy Study - [link](#)
- Action Seniors! Cost-Effectiveness Analysis of a Secondary Falls Prevention Strategy Among Community-Dwelling Older Fallers - [link](#)

Journal of the Australian Healthcare & Hospitals Association

- Efficiency gains from a standardised approach to older people presenting to the emergency department after a fall - [link](#)

Journal of Patient Safety

- A Systems Approach to Analyzing and Preventing Hospital Adverse Events - [link](#)

J Pediatr Pharmacol Ther

- Key potentially inappropriate drugs in pediatrics: the KIDs list - [link](#)

Molecular Diversity Preservation International (MDPI) – Pharmacy Journal

- Introducing Augmented Reality Technology to Enhance Learning in Pharmacy Education: A Pilot Study - [link](#)

National Institute for Health Research (NIHR)

- Denosumab, raloxifene, romosozumab and teriparatide to prevent osteoporotic fragility fractures: a systematic review and economic evaluation - [link](#)
- Progesterone to prevent miscarriage in women with early pregnancy bleeding: the PRISM RCT - [link](#)

NEJM

- Review article: Bipolar Disorder - [link](#)

Paediatric Quality and Safety

- A Quality Improvement Project to Reduce Combination Acetaminophen-opioid Prescriptions to Pediatric Orthopedic Patients - [link](#)
- Implementing a Process to Systematically Identify and Address Poor Medication Adherence in Pediatric Liver Transplant Recipients - [link](#)
- Reducing Antacid Use in a Level IV NICU: A QI Project to Reduce Morbidity - [link](#)
- A Quality Improvement Initiative to Improve the Administration of Systemic Corticosteroids in the Pediatric Emergency Department – [link](#)

Pharmaceutical Journal

- Blue, brown and now green: The 'NHS long-term plan' has called for a shift towards inhalers with a lower carbon footprint - [link](#)

Thorax

- Oral nitrate supplementation to enhance pulmonary rehabilitation in COPD: ON-EPIC a multicentre, double-blind, placebo-controlled, randomised parallel group study - [link](#)