



NSW
Therapeutic
Advisory
Group Inc.

Advancing
quality use
of medicines
in NSW

TAG Mail: July to December 2021

Cumulative Listing of Reports, Publications, Medication Safety

TAG Mail – 28 October 2021 (last edition)

Dear all TAG Mail readers

NSW TAG is sad to deliver our final TAG Mail. We are proud to have provided TAGMails to readers far and wide around Australia for over 20 years. We appreciate the many emails we have received about its value in your working lives. Farewell and all the best!

(Our recent [correspondence](#) to members provides the reason why NSW TAG has had to take this action.)



The NSW TAG website remains accessible with all existing publications and resources available – further information and any updates from NSW TAG will be published on our [website](#) in the coming months as we work through this period.

Recent activities

- Collated list of My Health Learning (MHL) (NSW) medication safety or related education modules to assist with accreditation activities – [published](#) last week
 - COVID-19 medicines resources
 - Sarilumab resources (patient info leaflet, consent form, guideline, prescribing declaration & outcome reporting forms) now [published](#).
- Always check the [webpage](#) for latest versions of resources.*

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

- ATAGI update following weekly COVID-19 meeting - 20 October 2021 - [link](#)
- Top 3 COVID-19 vaccine questions – What is Ronapreve, my child is feeling anxious, and 3rd COVID-19 vaccine timing - [link](#)

CEC

- COVID-19 Infection Prevention and Control Manual Version 1.7 (22 Oct 2021) – [link](#)
- Use of Respiratory Protective Device with Beard Wrapping Technique - [link](#)
- COVID-19 Keeping Safe in the Workplace (Stay Vigilant. Stay safe) [posters & resources](#)

NSW Health

- COVID-19 Weekly Surveillance in NSW – Epidemiological week 40, ending 9 October 2021 - [link](#)
- Guidance for maternity and newborn care - [link](#)

NSW Health Critical Intelligence Unit

- COVID-19 [Monitor](#) 21 Oct 2021: COVID-19 vaccines, cases, hospitalisations, deaths and variants
- Risk Monitoring [Dashboard](#) 27 Oct 2021
- Evidence Check: COVID-19 vaccines in Australia (updated 21 Oct 2021) - [link](#)
- Living Evidence:
 - COVID-19 vaccines. Last updated 26 Oct 2021 - [link](#)
 - SARS-CoV-2 variants. Last updated 27 Oct 2021 – [link](#)

- COVID-19 transmission. Last updated 15 Oct 2021 - [link](#)
- Post acute sequelae of COVID-19. Last updated 25 Oct 2021 - [link](#)
- Living Evidence - rapid testing. Last updated 25 Oct 2021 - [link](#)

NPS MedicineWise

- Podcast: Episode [33](#) - Talking to parents about the COVID vaccine

TGA

- COVID-19 vaccine weekly safety report - 21-10-2021 - [link](#)
- TGA approves booster doses of the Pfizer COVID-19 vaccine, COMIRNATY - [link](#)
- Post-market review of face masks: Outcomes and actions - [link](#)
- COVID-19 treatment: casirivimab + imdevimab (RONAPREVE) (updated 21/10/21) - [link](#)

UOW and OzSAGE

- [Webinar](#): Unlocking Fortress Australia: Opportunities & Challenges, Monday 8 Nov, 5-6pm AEST

INTERNATIONAL

The Medicines Patent Pool (MPP)

- MPP and MSD have entered into licence agreement for molnupiravir, an investigational oral antiviral COVID-19 medicine, to increase broad access in low- and middle- income countries - [link](#)

WHO

- Weekly operational update on COVID-19 - 26 October 2021 - [link](#)
- COVID-19 vaccine tracker and landscape (26/10/21) - [link](#)
- Interim recommendations for use of the inactivated COVID-19 vaccine, CoronaVac, developed by Sinovac - [link](#), associated annexes - [link](#)
- Update 68 - Health and care workers during COVID-19 - [link](#)
- [Interim Guidance](#): Coadministration of seasonal inactivated influenza and COVID-19 vaccines
- Science in 5: Episode [#59](#) – Flu & COVID-19

Canada

- Canadian Agency for Drugs and Technologies in Health (CADTH)
- An Overview of Post-COVID-19 Condition (Long COVID) - [link](#)

Europe

- EMA
- Spikevax: EMA recommendation on booster - [link](#)
- EMA starts rolling review of molnupiravir - [link](#)

UK

- eMC
- Revised SPC: COVID-19 [Vaccine](#) (BioNTech – Pfizer) Decreased appetite, lethargy, hyperhidrosis; night sweats, asthenia added as uncommon adverse effects. New data on vaccine efficacy
- Specialist Pharmacy Services NHS UK
- Defrosting the COVID-19 Vaccine Pfizer-BioNTech - [link](#)

USA

- American Society of Health-System Pharmacists (ASHP)
- ASHP discussion forum ([Sign up](#) for free) recent topics of discussion: Moderna 14 dose vial (max 20 punctures)
- Centers for Disease Control and Prevention (CDC)
- Morbidity and Mortality Weekly Report (MMWR)
- Effectiveness of Pfizer-BioNTech mRNA Vaccination against COVID-19 Hospitalization among Persons Aged 12–18 Years - US, June–Sep 2021 - [link](#)
- Severity of disease among adults hospitalized with laboratory-confirmed COVID-19 before & during the period of SARS-CoV-2 B.1.617.2 (Delta) Predominance - COVID-NET, Jan–Aug 2021 - [link](#)
- Webinar: Administering More Than One Vaccine on the Same Day: Clinical Considerations - [link](#)
- FDA
- FDA Takes Additional Actions on the Use of a Booster Dose for COVID-19 Vaccines - [link](#)

JOURNAL ARTICLES

arXiv (moderated but not peer-reviewed)

- Nowcasting transmission and suppression of the Delta variant of SARS-CoV-2 in Australia - [link](#)

BMJ

- [Viewpoint](#): COVID-19 interventions in children: a balancing act

BMJ Open

- Vitamin D insufficiency in COVID-19 and influenza A, and critical illness survivors: a cross-sectional study - [link](#)

British Journal of Clinical Pharmacology

- A case series of vaccine-induced thrombotic thrombocytopenia in a London teaching hospital - [link](#)

Clinical Drug Investigation

- Efficacy of Interferon- β in Moderate-to-Severe Hospitalised Cases of COVID-19: A Systematic Review and Meta-analysis - [link](#)

Cochrane

- Antibiotics for the treatment of COVID-19 – [link](#)

Emerging Infectious Diseases

- Multinational Observational Cohort Study of COVID-19–Associated Pulmonary Aspergillosis - [link](#) (JAMA network [Blog](#): Aspergillosis Is Common among COVID-19 Patients in the ICU)

European Journal of Pharmacology

- Use of steroids in COVID-19 patients: A meta-analysis - [link](#)

Frontiers in Microbiology

- Factors that Influence the Reported Sensitivity of Rapid Antigen Testing for SARS-CoV-2 - [link](#)

International Journal of Infectious Diseases

- Evaluation of Panbio™ rapid antigen test for SARS-COV-2 in symptomatic patients and their contacts: a multicenter study - [link](#)

JAMA

- [Research letter](#): Assessment of Cognitive Function in Patients after COVID-19 Infection
- Effect of 12 mg vs 6 mg of Dexamethasone on the Number of Days Alive without Life Support in Adults with COVID-19 and Severe Hypoxemia. The COVID STEROID 2 Randomized Trial - [link](#), associated [editorial](#)
- Association of Self-reported High-Risk Allergy History with Allergy Symptoms After COVID-19 Vaccination - [link](#)

Journal of Virology Methods

- SARS-CoV-2 microfluidic antigen point-of-care testing in Emergency Room patients during COVID-19 pandemic - [link](#)

Lancet

- Efficacy of interferon beta-1a plus remdesivir compared with remdesivir alone in hospitalised adults with COVID-19: a double-blind, randomised, placebo-controlled, phase 3 trial - [link](#)
- [Correspondence](#): Fertility rates and birth outcomes after ChAdOx1 nCoV-19 (AZD1222) vaccination
- Personal [View](#): Does infection with or vaccination against SARS-CoV-2 lead to lasting immunity?
- [Comment](#): Waning immunity to SARS-CoV-2: implications for vaccine booster strategies
- [Comment](#): Colchicine treatment in COVID-19: the remaining unsolved question

medRxiv (not peer-reviewed)

- Effect of the third dose of BNT162b2 vaccine in quantitative SARS-CoV-2 spike 1-2 IgG antibody titers in healthcare workers - [link](#)
- Symptoms compatible with long-COVID in healthcare workers with and without SARS-CoV-2 infection – results of a prospective multicenter cohort - [link](#)

- Differential features of the fifth wave of COVID-19 associated with vaccination and the Delta variant in a reference hospital in Catalonia, Spain - [link](#)
- Collateral positives of COVID-19 for culturally and linguistically diverse communities in Western Sydney, Australia - [link](#)
- Predictors of SARS-CoV-2 infection following high-risk exposure - [link](#)
- Immunogenicity and reactogenicity of booster vaccinations after Ad26.COV2.S priming - [link](#)
- Can the Rapid Antigen Test for COVID-19 Replace RT-PCR: Meta-analysis of test agreement - [link](#)
- Comparative Effectiveness of BNT162b2 versus Ad26.COV2.S for the Prevention of COVID-19 among Dialysis Patients - [link](#)
- The impact of vaccinating adolescents and children on COVID-19 disease outcomes - [link](#)

MJA

- [Guideline Summary](#): Clinical care of children and adolescents with COVID-19: recommendations from the National COVID-19 Clinical Evidence Taskforce
- [Consensus Statement Summary](#): Cancer Australia consensus statement on COVID-19 and cancer care: embedding high value changes in practice

Nature

- Immunogenicity and efficacy of heterologous ChadOx1/BNT162b2 vaccination - [link](#), [commentary](#)

Nature cell research

- Mesenchymal stem cell treatment improves outcome of COVID-19 patients via multiple immunomodulatory mechanisms - [link](#)

Nature Computational Science

- Climatic signatures in the different COVID-19 pandemic waves across both hemispheres - [link](#)

Nature Medicine

- Neurological complications after first dose of COVID-19 vaccines and SARS-CoV-2 infection – [link](#)

Nature Reviews Cardiology

- [Perspective](#): Cardiac involvement in the long-term implications of COVID-19

NEJM

- [Audio Interview](#): A New Look at Covid-19 Vaccine Boosters
- Early Treatment for Covid-19 with SARS-CoV-2 Neutralizing Antibody Sotrovimab - [link](#)
- Waning Immunity after the BNT162b2 Vaccine in Israel - [link](#)
- [Correspondence](#): Adverse Effects after BNT162b2 Vaccine and SARS-CoV-2 Infection, According to Age and Sex

Scientific Reports

- SARS-CoV-2 transmission during an indoor professional sporting event - [link](#)
- Importance of untested infectious individuals for interventions to suppress COVID-19 - [link](#)

Vaccines

- Safety, Immunogenicity, and Efficacy of COVID-19 Vaccines in Children and Adolescents: A Systematic [Review](#)

REPORTS AND PUBLICATIONS – AUSTRALIA

Australian Institute for Health and Welfare (AIHW)

- Medicare-subsidised GP, allied health and specialist health care across local areas: 2019–20 to 2020–21 - [link](#)
- GEN: Department of Health 2020 Aged Care Workforce Census dashboard - [link](#)

REPORTS AND PUBLICATIONS – INTERNATIONAL

British National Formulary (BNF) newsletter – [October 2021](#)

- New monographs (BNF): crizanlizumab
- New monographs (BNF and BNF for Children): tralokinumab, ropeginterferon alfa-2b, estradiol with progesterone, remimazolam, pemigatinib, vericiguat

- Significant changes: Dapagliflozin: update to advice on use in renal impairment, including new indication for chronic kidney disease; Tofacitinib (Xeljanz®): increased risk of major adverse cardiovascular events and malignancies with use of tofacitinib relative to TNF-alpha inhibitors
- MHRA advice on: Topical corticosteroids: information on the risk of topical steroid withdrawal reactions; COVID-19 vaccines and medicines: updates for August 2021.

Canadian Agency for Drugs and Technologies in Health

- Phosphodiesterase-5 inhibitors for the Treatment of Secondary Raynaud's Phenomenon and Digital Ulcers - [link](#)
- Pembrolizumab for Microsatellite Instability-High or Mismatch Repair Deficient Small Bowel Adenocarcinoma or Appendiceal Adenocarcinoma - [link](#)
- Updated reference lists
- Antibiotic Solutions for Surgical Irrigation – [link](#)
- Pharmacologic Interventions for the Treatment of Opioid-Induced Hyperhidrosis - [link](#)

Care Quality Commission (UK)

- State of Care report 2020/21 - [link](#)

electronic Medicines Compendium (eMC) (UK)

- New products
- -- Minjuvi ([tafasitamab](#))- with lenalidomide followed by monotherapy for use in adults with relapsed/refractory diffuse large B-cell lymphoma
- Vazkepa ([icosapent](#) ethyl) capsules - omega-3 fatty acid, eicosapentaenoic acid, for reducing risk of cardiovascular (CV) events in adult statin-treated patients at high CV risk with elevated triglycerides and established CV disease, or diabetes, and at least one other CV risk factor

Food and Drug Administration (FDA) USA

- New Drug approvals
- [abemaciclib](#) (Verzenio) - adjuvant combo with endocrine therapy for resected high-risk early breast cancer
- Second Interchangeable Biosimilar Product and First Interchangeable [Adalimumab](#) Product

MIMS UK monthly updates

- [Summary](#): Fourth formoterol/budesonide dry powder inhaler launched (WockAIR)
- [Summary](#): Acopair is fourth dry powder tiotropium inhaler available in UK

Neonatal & Paediatric Pharmacists Group

- Position Statement: Chlorhexidine for Skin Cleansing in Neonates - [link](#)

National Institute for Health and Clinical Excellence (NICE) UK

- Nivolumab for treating recurrent or metastatic squamous cell carcinoma of the head and neck after platinum-based chemotherapy [\[TA736\]](#)
- Atezolizumab for untreated PD-L1-positive advanced urothelial cancer when cisplatin is unsuitable Technology appraisal guidance [\[TA739\]](#)
- Givosiran for treating acute hepatic porphyria [\[ID1549\]](#)

Specialist Pharmacy Services NHS UK

- Choosing between oral fidaxomicin options - [link](#)
- Sodium content of cold and flu preparations and painkillers - [link](#)
- Sodium content of medicines - [link](#)

The National Academies Press

- Combating Antimicrobial Resistance and Protecting the Miracle of Modern Medicine - [link](#)

UK Health Security Agency

- World Antimicrobial Awareness Week (WAAW) and European Antibiotic Awareness Day (EAAD): resources toolkit for healthcare professionals in England - [link](#)

World Health Organisation (WHO)

- Antimicrobial resistance and the United Nations sustainable development cooperation framework: guidance for United Nations country teams - [link](#)

MEDICATION SAFETY

Australian and New Zealand College of Anaesthetists (ANZCA) & Faculty of Pain Medicine

- Propofol anaphylaxis - [link](#)

electronic Medicines Compendium (eMC) (UK)

- Revised SPCs

- Brilique ([ticagrelor](#)) updated with information from phase III study (HESTIA 3) in 193 paediatric patients with sickle cell disease, which found no treatment benefit of ticagrelor on the rate of vaso-occlusive crises compared to placebo, therefore no data supports use in this population
- Coversyl Arginine ([perindopril](#) arginine) must not be initiated earlier than 36 hours after last dose of sacubitril/valsartan. Concomitant use previously contra-indicated due to the increased risk of angioedema
- Darzalex ([daratumumab](#)) - new indication for combination with cyclophosphamide, bortezomib & dexamethasone for newly diagnosed systemic light chain (AL) amyloidosis and new adverse effects section with data for cardiac disorders and AL amyloidosis-related cardiomyopathy
- Doptelet ([avatrombopag](#)) - hypersensitivity added as an undesirable effect
- Enbrel ([etanercept](#)) – paediatric use - headache added as a very common adverse effect
- Imfinzi ([durvalumab](#)) - noninfective cystitis added as a rare adverse effect
- Libtayo ([cemiplimab](#)) - noninfective cystitis (frequency unknown), specific immune-related adverse reactions (including paraneoplastic encephalomyelitis, meningitis and myositis – all uncommon), and increased aspartate aminotransferase (common) listed as adverse effects
- Olatuton ([octreotide](#)) - pancreatic exocrine insufficiency (PEI) observed in some patients receiving octreotide for gastroenteropancreatic neuroendocrine tumours. Symptoms include steatorrhoea and weight loss. Consider screening for NEI in symptomatic patients.
- [Symtuza](#) (darunavir/cobicistat/emtricitabine/tenofovir alafenamide) – assess renal function (RF) in all patients prior to, or when starting & during therapy, if clinically appropriate. Consider cessation in those who develop clinically significant decreases in RF/proximal renal tubulopathy.
- Votubia and Afinitor ([everolimus](#)) – severe (sometimes fatal) radiation reactions reported when everolimus was taken during or shortly after radiation therapy; radiation recall syndrome has also been reported, in which case, consider treatment interruption/discontinuation.
- [Zydol](#) (tramadol) XL - syncope added as a rare adverse effect
- Invokana ([canagliflozin](#)) - updated with additional warnings regarding complicated urinary tract and kidney infections from post-marketing cases and advice to consider temporary interruption of canagliflozin treatment in patients with complicated urinary tract infections.
- Varilrix ([varicella-zoster virus vaccine](#)) - includes excipient warning regarding phenylalanine content which may be harmful for individuals with phenylketonuria, updated refrigeration detail for transport and statement regarding storage in the original package in order to protect from light.

Health Quality & Safety Commission New Zealand

- Baclofen oral liquid medication alert - [link](#)

Institute for Safe Medication Practices (ISMP) USA

- ISMP and ECRI collaboration: New Medication Safety and Health System Risk Management database bundle - [link](#)

Medicines and Healthcare products Regulatory Agency (MHRA) UK

- Tocilizumab (RoActemra) 162mg/0.9ml solution for injection pre-filled syringes and pre-filled pens - Non Covid-19 indications - [link](#)

TGA

- Octreotide and atrioventricular block: in Europe, atrioventricular blocks reported in patients receiving high doses of continuous intravenous infusion of octreotide and in patients receiving bolus octreotide intravenously - [link](#)

PAPERS OF INTEREST

American Journal of Health-System Pharmacy

New medication summaries

- Finerenone – [link](#)
- Bupivacaine and Meloxicam – [link](#)
- Asparaginase (Erwinia chrysanthemi) (Recombinant)-rywn - [link](#)

Arthritis & Rheumatology

- Pregnancy outcomes in women with psoriatic arthritis with respect to presence and timing of antirheumatic treatment - [link](#)
- American College of Rheumatology White Paper on Antimalarial Cardiac Toxicity - [link](#)

British Journal of Clinical Pharmacology

- Use of Sedative-Hypnotic Medications and Risk of Dementia: A Systematic Review and Meta-Analysis - [link](#)
- Evaluating prediction methods for glomerular filtration to optimise drug doses in obese and non-obese patients - [link](#)
- Long-term bisphosphonate therapy and atypical femoral fracture: Can you have too much of a good thing? - [link](#)
- C4C - Paediatric pharmacovigilance: Methodological Considerations in Research and Development of Medicines for Children – A c4c Expert Group White Paper - [link](#)

British Journal of General Practice

- The role of locum GPs in antibiotic prescribing and stewardship: a mixed-methods study - [link](#)
- General practitioners' role in shared decision-making about palliative cancer treatment: qualitative [study](#)

British Medical Journal (BMJ)

- Should prehospital early warning scores be used to identify which patients need urgent treatment for sepsis? - [link](#)
- Effect of dietary sources of calcium and protein on hip fractures and falls in older adults in residential care: cluster randomised controlled trial - [link](#)
- Diagnosis and management of bronchopulmonary dysplasia - [link](#)
- [Editorial](#): Tackling overprescribing

BMJ Open

- Observational study of the relative efficacy of insulin-glucose treatment for hyperkalaemia in patients with liver cirrhosis - [link](#)

Cochrane

- 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](#)
- Anticoagulants for acute ischaemic stroke - [link](#)
- Early (< 7 days) systemic postnatal corticosteroids for prevention of bronchopulmonary dysplasia in preterm infants - [link](#)
- Interrupted versus uninterrupted anticoagulation therapy for catheter ablation in adults with arrhythmias - [link](#)

Circulation – American Heart Association

- Strategies for Promotion of a Healthy Lifestyle in Clinical Settings: Pillars of Ideal Cardiovascular Health: A Science Advisory from the American Heart Association - [link](#)

Critical Care Medicine

- Thiamine, Ascorbic Acid, and Hydrocortisone as a Metabolic Resuscitation Cocktail in Sepsis: A Meta-Analysis of Randomized Controlled Trials with Trial Sequential Analysis - [link](#)

Diabetes Care

- Effect of Metformin and Lifestyle Interventions on Mortality in the Diabetes Prevention Program and Diabetes Prevention Program Outcomes Study - [link](#)

European Journal of Hospital Pharmacy

- Analysis of activities undertaken by ward-based clinical pharmacy technicians during patient hospital journey - [link](#)
- Educational intervention to improve appropriate digoxin therapeutic drug monitoring: a quasi-experimental study - [link](#)

Heart

- Cholesterol Now campaign launched - [link](#)

Internal Medicine Journal

- Stress Ulcer Prophylaxis in Critically Ill Adult Patients with Sepsis at Risk of Gastrointestinal Bleeding: A Retrospective Cohort Study - [link](#)

JAMA

- How to Interpret and Use a Clinical Practice Guideline or Recommendation: Users' Guides to the Medical Literature - [link](#)
- Clinical Guidelines [Synopsis](#): Gastrointestinal Evaluation of Iron Deficiency Anemia

JAMA Cardiology

- Analysis of Respiratory Fluoroquinolones and the Risk of Sudden Cardiac Death among Patients Receiving Hemodialysis - [link](#)

JAMA Internal Medicine

- FDA Drug Approval and the Ethics of Desperation - [link](#)

JAMA Network Open

- Assessment of Stimulant Use and Cardiovascular Event Risks among Older Adults - [link](#)

JAMA Neurology

- Left Ventricular Dysfunction Among Patients With Embolic Stroke of Undetermined Source and the Effect of Rivaroxaban vs Aspirin: A Subgroup Analysis of the NAVIGATE ESUS Randomized Clinical Trial - [link](#)

JAMA Oncology

- Clinical Activity and Safety of Cabozantinib for Brain Metastases in Patients with Renal Cell Carcinoma - [link](#)

JAMA Surgery

- Strategies for Antibiotic Administration for Bowel Preparation among Patients Undergoing Elective Colorectal Surgery: A Network Meta-analysis - [link](#)

Journal of Palliative Medicine

- Variability among Online Opioid Conversion Calculators Performing Common Palliative Care Conversions - [link](#)

Lancet

- Study of mirtazapine for agitated behaviours in dementia (SYMBAD): a randomised, double-blind, placebo-controlled trial - [link](#)
- Infliximab versus second intravenous immunoglobulin for treatment of resistant Kawasaki disease in the USA (KIDCARE): a randomised, multicentre comparative effectiveness trial - [link](#)

Lancet Diabetes & Endocrinology

- Consensus on diagnosis and management of Cushing's disease: a guideline update - [link](#)

Lancet Gastroenterology and Hepatology

- Comparative efficacy and safety of biologic therapies for moderate-to-severe Crohn's disease: a systematic review and network meta-analysis - [link](#)
- Ursodeoxycholic acid for the prevention of symptomatic gallstone disease after bariatric surgery (UPGRADE): a multicentre, double-blind, randomised, placebo-controlled superiority trial

Lancet Haematology

- Harnessing the benefits of available targeted therapies in acute myeloid leukaemia - [link](#)

Lancet Neurology

- [Review](#): Amantadine in the treatment of Parkinson's disease and other movement disorders

EClinicalMedicine

- Effectiveness of Common Antidepressants: A Post Market Release Study - [link](#)

Molecular Diversity Preservation International (MDPI) – Pharmacy Journal

- Evaluation of a novel advanced pharmacy technician role: Discharge Medication Education Technician - [link](#)

Menopause

- Management of osteoporosis in postmenopausal women: the 2021 Position Statement of The North American Menopause Society

National Institute for Health Research (NIHR) Signals

- Smoking cessation medicines and e-cigarettes: a systematic review, network meta-analysis and cost-effectiveness analysis - [link](#)

New England Journal of Medicine

- Antibiotics versus Appendectomy for Acute Appendicitis — Longer-Term Outcomes - [link](#)
- A Randomized, Controlled Trial of the Pan-PPAR Agonist Lanifibranor in NASH - [link](#)
- Clinical Practice: Management of Abdominal Aortic Aneurysms - [link](#)

Pediatrics

- Impact of Steroids as Adjuvant Therapy in Acute Bacterial Infections of Childhood - [link](#)

Pharmacotherapy

- The role of tazobactam-based combinations for the management of infections due to extended-spectrum β -lactamase-producing Enterobacterales: Insights from the Society of Infectious Diseases Pharmacists - [link](#)

TAG Mail – 21 October 2021

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

- Operation COVID Shield COVID-19 Vaccine Sentiment Summary – October 2021 - [link](#)
- COVID-19 vaccination:
-- Social tile: Third COVID-19 vaccine doses for immunocompromised people (other languages) - [link](#)
-- Vaccination data – 19 October 2021 - [link](#)
-- Rollout update – 19 October 2021 - [link](#)
– [Information](#) to assist healthcare workers talk about COVID-19 vaccines
– Common questions (Aboriginal and Torres Strait Islander peoples) - [link](#)
– COVID-19 vaccines: common questions - [link](#)
-- Top 3 questions: Rapid antigen test, medication and COVID-19 vaccines, and has the vaccine worked - [link](#); Difference between vaccination & immunisation, myocarditis & pericarditis, and long-term protection - [link](#)

CEC

- COVID-19 Infection Prevention and Control Manual, version 1.6 - [link](#)

HETI - [link](#)

- Module - Respiratory support for adult patients with COVID-19 (Code: 392006981)
- Learning Pathway - Respiratory support for adult patients with COVID-19 (Code: 392130665)

National Centre for Immunisation Research and Surveillance (NCIRS)

- [Webinar](#): Weighing up the benefits and risks of COVID-19 vaccination: a focus on safety

National COVID-19 Clinical Evidence Taskforce

- [Updates](#) to the Living Treatment Guideline (15/10/21)

- New CPAP/HFNO therapy recommendations
- New recommendations children & adolescents (sotrovimab, budesonide & casirivimab + imdevimab)
- Updated: Doxycycline added to list of 'only in research' recommendations
- Updated recommendation for use of systemic corticosteroids in pregnant women
- Updated Budesonide for adults

NSW Health

- Model of care for the use of sotrovimab in adults in NSW (updated 15 October 2021) - [link](#)
- COVID-19 Weekly Surveillance in NSW - Epidemiological week 39, ending 2 October 2021 – [link](#)
- Standard operating procedure for administration of COVID-19 vaccines in NSW vaccination clinics ([PD2021_040](#))
- Statewide Protocol for the Supply or Administration of COVID-19 Vaccine ([PD2021_041](#))

NSW Health Critical Intelligence Unit

- [COVID-19 Monitor 21 Oct 2021](#): COVID-19 vaccines, cases, hospitalisations, deaths and variants
- Risk Monitoring [Dashboard 21 Oct 2021](#)
- Living Evidence:
 - COVID-19 vaccines. Last updated 20 Oct 2021 - [link](#)
 - SARS-CoV-2 variants. Last updated 21 Oct 2021 – [link](#)
 - COVID-19 transmission. Last updated 15 Oct 2021 - [link](#)
 - Post acute sequelae of COVID-19. Last updated 20 Oct 2021 - [link](#)
 - Rapid testing. Last updated 20 Oct 2021 - [link](#)

TGA

- COVID-19 vaccine weekly safety report - 14-10-2021 - [link](#)
- COVID-19 test kits included in the ARTG for legal supply in Australia - [link](#)
- How testing works for COVID-19 - [link](#)
- Guidance on advertising COVID-19 rapid antigen tests - [link](#)
- COVID-19 treatments: Provisional registration (casirivimab+imdevimab (RONAPREVE®) - [link](#)
- AusPARs: [ChAdOx1-S](#) COVID-19 Vaccine AstraZeneca; [Ronapreve](#) Casirivimab/imdevimab

INTERNATIONAL

WHO

- Weekly epidemiological update on COVID-19 - 19 October 2021 - [link](#)
- Weekly operational update on COVID-19 - 18 October 2021 - [link](#)
- COVID-19 vaccine tracker and landscape (19/10/21) - [link](#)
- Building health systems resilience for universal health coverage and health security during the COVID-19 pandemic and beyond: WHO [position paper](#) and [brief](#)
- Science in 5: Episode #58 – TB and COVID-19

Canada

National Collaborating Centre for Methods and Tools

- Rapid Review Update 1: What is the ongoing effectiveness, immunogenicity, and safety of COVID-19 vaccines in persons who have had a prior, confirmed COVID-19 infection? - [link](#)

Europe

EMA

- EMA starts evaluating use of COVID-19 vaccine Comirnaty in children aged 5 to 11 - [link](#)
- EMA starts rolling review of Evusheld (tixagevimab and cilgavimab) - [link](#)
- New manufacturing sites & formulation approved for COVID-19 vaccine from BioNTech/Pfizer - [link](#)

USA

Centers for Disease Control and Prevention (CDC)

- Underlying Medical Conditions Associated with Higher Risk for Severe COVID-19: Information for Healthcare Providers - [link](#)
- MMWR: Effectiveness of Pfizer-BioNTech mRNA Vaccination against COVID-19 Hospitalization among Persons Aged 12–18 Years - US, June–Sep 2021 - [link](#)
- Science Brief: Evidence Used to Update the List of Underlying Medical Conditions Associated with Higher Risk for Severe COVID-19 - [link](#)

FDA

- FDA to Hold Advisory Committee Meeting to Discuss Merck and Ridgeback's EUA Application for COVID-19 Oral Treatment - [link](#)

JOURNAL ARTICLES

Archives of Disease in Childhood

- [Letter](#): Use of peripheral vasoactive drug infusions during the critical care transport of children with paediatric inflammatory multisystem syndrome temporally associated with SARS-CoV-2 infection

Artificial Organs

- Hemoperfusion and blood purification strategies in patients with COVID-19: A systematic [review](#)

Annals of Internal Medicine

- [Letter](#): Asymptomatic SARS-CoV-2 Vaccine Breakthrough Infections in Health Care Workers Identified Through Routine Universal Surveillance Testing

Arthritis and Rheumatology

- Risk of COVID-19 in Rheumatoid Arthritis: A National Veterans Affairs Matched Cohort Study in At-Risk Individuals - [link](#)

BMC Infectious Diseases

- Association between glucocorticoids treatment and viral clearance delay in patients with COVID-19: a systematic review and meta-analysis - [link](#)

BMJ

- [Editorial](#): Cardiac involvement in COVID-19: cause or consequence of severe manifestations?

- [Editorial](#): Does aspirin save lives in patients with COVID-19?

- [Opinion](#): Setting up a vaccination programme for immunocompromised patients

- Effectiveness of therapeutic heparin versus prophylactic heparin on death, mechanical ventilation, or intensive care unit admission in moderately ill patients with covid-19 admitted to hospital: RAPID randomised clinical trial - [link](#)

- Covid-19: Valneva's vaccine produces stronger immune response than AstraZeneca's, company reports - [link](#)

British Journal of Clinical Pharmacology

- Combination therapies for COVID-19: An overview of the clinical trials landscape - [link](#)

Cochrane

- Colchicine for the treatment of COVID-19 - [link](#)

Eurosurveillance

- [Rapid Communication](#): Effectiveness of COVID-19 vaccines against SARS-CoV-2 infection with the Delta (B.1.617.2) variant: second interim results of a living systematic review and meta-analysis

Expert Review of Respiratory Medicine

Effects of different corticosteroid therapy on severe COVID-19 patients: a meta-analysis of randomized controlled [trials](#)

Infection & Chemotherapy

- Ruxolitinib and the Mitigation of Severe COVID-19: A [Systematic Review and Meta-analysis](#)

Infectious diseases and Therapy

- Efficacy and Safety of Sarilumab in patients with COVID19 Pneumonia: A Randomized, Phase III Clinical Trial (SARTRE Study) - [link](#)

International Journal of General Medicine

- Efficacy of a Nasal Spray Containing Iota-Carrageenan in the Postexposure Prophylaxis of COVID-19 in Hospital Personnel Dedicated to Patients Care with COVID-19 Disease - [link](#)

JAMA

- Research Letter: Administration of Monoclonal Antibody for COVID-19 in Patient Homes - [link](#)
- Medical News & [Perspectives](#): Trying to Block SARS-CoV-2 Transmission with Intranasal Vaccines
- Short-term and Long-term Rates of Postacute Sequelae of SARS-CoV-2 Infection. A Systematic [Review](#)

Journal of Clinical Medicine

- The Effect of Anakinra in Hospitalized Patients with COVID-19: An Updated Systematic Review and Meta-Analysis - [link](#)

Journal of Neurology, Neurosurgery & Psychiatry

- [Essay](#): Considerations for causality assessment of neurological and neuropsychiatric complications of SARS-CoV-2 vaccines: from cerebral venous sinus thrombosis to functional neurological disorder

Lancet

- Safety and immunogenicity of CpG 1018 and aluminium hydroxide-adjuvanted SARS-CoV-2 S-2P protein vaccine MVC-COV1901: interim results of a large-scale, double-blind, randomised, placebo-controlled phase 2 trial in Taiwan - [link](#)
- Third doses of SARS-CoV-2 vaccines in immunosuppressed patients with inflammatory bowel disease - [link](#)
- Longitudinal respiratory subphenotypes in patients with COVID-19-related acute respiratory distress syndrome: results from three observational cohorts - [link](#), [comment](#)
- Blockchain applications in health care for COVID-19 and beyond: a systematic [review](#)

Lancet Infectious Diseases

- Long-term consequences of the misuse of ivermectin data - [link](#)

Lancet Respiratory

- Colchicine in patients admitted to hospital with COVID-19 (RECOVERY): a randomised, controlled, open-label, platform [trial](#)
- Addressing the post-acute sequelae of SARS-CoV-2 infection: a multidisciplinary model of [care](#)

Medical Journal of Australia (MJA)

- [Research Letter](#): The readability of official public health information on COVID-19
- Australian case of multisystem inflammatory syndrome in adults (MIS-A) occurs two months into 2021 SARS-CoV-2 Delta outbreak in New South Wales - [link](#)

medRxiv pre-prints

- Comparative effectiveness of ChAdOx1 versus BNT162b2 COVID-19 vaccines in Health and Social Care workers in England: a cohort study using OpenSAFELY - [link](#)
- Reduced seroconversion in children compared to adults with mild COVID-19 - [link](#)
- Evaluation of viral loads in patients with SARS-CoV-2 Delta variant infection: Higher loads do not translate into different testing scenarios - [link](#)
- One-shot immunization with Sputnik Light (the first component of Sputnik V vaccine) is effective against SARS-CoV-2 Delta variant: efficacy data on the use of the vaccine in civil circulation in Moscow - [link](#)
- Breastfeeding infants receive neutralizing antibodies and cytokines from mothers immunized with a COVID-19 mRNA vaccine - [link](#)
- The impact of heating, ventilation, and air conditioning design features on the transmission of viruses, including the 2019 novel coronavirus: a systematic review of ultraviolet radiation - [link](#)
- Effectiveness of the BNT162b2 (Pfizer-BioNTech) and the ChAdOx1 nCoV-19 (Oxford-AstraZeneca) vaccines for reducing susceptibility to infection with the Delta variant (B.1.617.2) of SARS-CoV-2 - [link](#)
- Effect of SARS-CoV-2 vaccination on symptoms from post-acute COVID syndrome: results from the national VAXILONG survey - [link](#)
- Heterologous SARS-CoV-2 Booster Vaccinations - Preliminary Report - [link](#)

Nature communications

- SARS-CoV-2 vaccine breakthrough infections with the alpha variant are asymptomatic or mildly symptomatic among health care workers - [link](#)

Nature

- News: COVID super-immunity: one of the pandemic's great puzzles - [link](#)

- Effect of Delta variant on viral burden and vaccine effectiveness against new SARS-CoV-2 infections in the UK - [link](#)

Nature Reviews Immunology

- [Comment](#): Lessons from vaccine-induced immune thrombotic thrombocytopenia

NEJM

- [Correspondence](#): Differential Kinetics of Immune Responses Elicited by Covid-19 Vaccines

- [Correspondence](#): Toxic Effects from Ivermectin Use Associated with Prevention and Treatment of Covid-19

- [Correspondence](#): Effectiveness of the mRNA-1273 Vaccine during a SARS-CoV-2 Delta Outbreak in a Prison

- [Correspondence](#): Effectiveness of BNT162b2 Vaccine against Delta Variant in Adolescents

- [Correspondence](#): BNT162b2 and ChAdOx1 nCoV-19 Vaccine Effectiveness against Death from the Delta Variant

- [Correspondence](#): Covid-19 Vaccination during Pregnancy and First-Trimester Miscarriage

- Genomewide Association Study of Severe Covid-19 with Respiratory Failure - [link](#)

Pharmacotherapy

- Corticosteroid use in ARDS and its Application to Evolving Therapeutics for Coronavirus Disease 2019 (COVID-19): A Systematic [Review](#)

QJM: An International Journal of Medicine

- Efficacy and safety of ivermectin for the treatment of COVID-19: systematic review and meta-[analysis](#)

Scientific Reports

- The effectiveness of various gargle formulations and salt water against SARS-CoV-2 - [link](#)

- Results of an early second PCR test performed on SARS-CoV-2 positive patients may support risk assessment for severe COVID-19 - [link](#)

- Asymptomatic COVID-19 adult outpatients identified as significant viable SARS-CoV-2 shedders - [link](#)

Signal Transduction and Targeted Therapy

- SARS-CoV-2 immunity and functional recovery of COVID-19 patients 1-year after infection - [link](#)

Thrombosis Research

- Timing of venous thromboembolism diagnosis in hospitalized and non-hospitalized patients with COVID-19 - [link](#)

REPORTS AND PUBLICATIONS – AUSTRALIA

Australian Institute for Health and Welfare (AIHW)

- Predicting early dementia using Medicare claims: a feasibility study using the National Integrated Health Services Information Analysis Asset - [link](#)

- GEN Aged Care Data fact sheet: Aged care in rural and remote Australia - [link](#)

- Mental health services in Australia - [link](#)

- Suicide and Self-harm monitoring website (new ambulance attendance data and social factors and deaths by suicide modelling) - [link](#)

NSW Health

- Classification and Charging of Reciprocal Health Care Agreement ([PD2021_042](#))

- Webinar: Statewide Clinical Trial Management System (CTMS), 3 Nov 2021 14:00-15:30 – [register](#)

TGA

- Australian prescription medicine decision summaries:

-- [Enhertu®](#) (Trastuzumab deruxtecan) for adults with unresectable or metastatic HER2 positive breast cancer who have received two or more prior anti HER2-based regimens (provisional pathway)

- [Brukinsa®](#) (Zanubrutinib) for adults with mantle cell lymphoma (MCL) who have received at least one prior therapy (provisional pathway)

REPORTS AND PUBLICATIONS – INTERNATIONAL

electronic Medicines Compendium (eMC) (UK)

- New products
- Cosentyx ([secukinumab](#)) pre-filled syringe – for moderate to severe plaque psoriasis in children and adolescents from the age of 6 years who are candidates for systemic therapy. The recommended dose is based on body weight
- Tepmetko ([tepotinib](#)) - oral MET inhibitor for adults with advanced non-small cell lung cancer

European Medicines Agency (EMA)

- CHMP meeting highlights, October 2021
- Positive opinions for: [abrocitinib](#) (Cibinqo) for moderate to severe atopic dermatitis; [amivantamab](#) (Rybrevant) for non-small cell lung cancer (NSCLC); [pegcetacoplan](#) (Aspaveli) for paroxysmal nocturnal haemoglobinuria (PNH); [sacituzumab](#) govitecan (Trodelvy) for unresectable or metastatic triple-negative breast cancer; [Vaxneuvance](#) (pneumococcal polysaccharide conjugate vaccine) for prophylaxis against pneumococcal pneumonia and associated invasive disease; generic [sitagliptin](#) for the treatment of type 2 diabetes mellitus
- license extension: [risankizumab](#) (Skyrizi) for active psoriatic arthritis; [Hizentra](#) (human normal immunoglobulin SGIg); [dapagliflozin](#) (Forxiga) for insufficiently controlled type 2 diabetes mellitus for children aged 10 years and above; [evolocumab](#) (Repatha) for paediatric patients aged over 10 years with heterozygous familial hypercholesterolaemia (FH); [lenvatinib](#) (Kisplyx) and pembrolizumab (Keytruda) combination treatment for renal cell carcinoma; [lenvatinib](#) (Lenvima) in combination with pembrolizumab for endometrial carcinoma; [ozanimod](#) (Zeposia) for moderate to severe active ulcerative colitis; [tofacitinib](#) (Xeljanz) for active ankylosing spondylitis
- Withdrawal of marketing authorisation application of [rerifanlimab](#) (Zynyz) intended for locally advanced or metastatic squamous carcinoma of the anal canal

Food and Drug Administration (FDA) USA

- lower dose [Biktarvy](#) now approved for pediatric HIV patients weighing at least 14 kg and for adults
- New Drug approvals
- new naloxone injection (5mg/0.5mL prefilled syringe [ZIMHI](#)) to counteract opioid overdoses
- atezolizumab as adjuvant treatment for non-small cell lung cancer - [link](#)
- pembrolizumab combination for the first-line treatment of cervical cancer - [link](#)
- abemaciclib with endocrine therapy for early breast cancer - [link](#)
- varenicline intranasal (Tyrvaya) for dry eye disease - [link](#)
- Seglentis (56 mg celecoxib and 44 mg tramadol) for severe refractory pain - [link](#)

NHS England

- Clinical Commissioning Policy: Anakinra for haemophagocytic lymphohistiocytosis for adults and children in all ages - [link](#)

Medicines and Healthcare products Regulatory Agency (MHRA) UK

- Antibiotic awareness: toolkit for healthcare professionals in England - [link](#)

National Institute for Health and Clinical Excellence (NICE) UK

- Looked-after children and young people [\[NG205\]](#)
- Tofacitinib for treating juvenile idiopathic arthritis [\[TA735\]](#)
- Pembrolizumab with platinum- and fluoropyrimidine-based chemotherapy for untreated advanced oesophageal and gastro-oesophageal junction cancer [\[TA737\]](#)
- Berotralstat for preventing recurrent attacks of hereditary angioedema [\[TA738\]](#)
- Final appraisal document
- Nivolumab for adjuvant treatment of oesophageal or gastro-oesophageal junction cancer [\[ID1676\]](#)
- Dupilumab for treating severe asthma [\[ID1213\]](#)
- Nintedanib for treating progressive fibrosing interstitial lung disease excluding idiopathic pulmonary fibrosis [\[ID1599\]](#)

Specialist Pharmacy Services NHS UK

- Advice for people who miss a dose of their medicine - [link](#)
- Differences in oral tablet mesalazine preparations and considerations when switching - [link](#)

MEDICATION SAFETY

electronic Medicines Compendium (eMC) (UK)

- Revised SPCs
- [Busulfan](#) - increases in exposure with concomitant administration of deferasirox – monitor levels
- Kadcycla ([trastuzumab](#) emtansine) – subgroup analysis from study MO28231 shows a tendency of higher incidences of grade 3-5 adverse events (AE), severe AEs and AEs leading to drug discontinuation/interruption ≥65 years, but similar incidence of AEs grade ≥3 classified as drug related
- Lamictal ([lamotrigine](#)) Dispersible - partial dosing should not be performed
- Ofev ([nintedanib](#)) - capsule should not be opened or crushed; new warning for nephrotic range proteinuria and thrombotic microangiopathy added; proteinuria included as new adverse reaction
- Propress ([dinoprostone](#)) vaginal delivery system - should only be administered by healthcare personnel in units with specialised obstetric units & facilities for continuous foetal & uterine monitoring
- Saxenda ([liraglutide](#)) - licence extension for weight management in adolescents (≥12 years) with obesity BMI corresponding to ≥30 kg/m² for adults) and body weight above 60kg
- Tildiem ([diltiazem](#)) Prolonged-Release - concurrent use may increase lomitapide and asunaprevir plasma concentrations due to CYP3A4 inhibition
- Ultomiris ([ravulizumab](#)) – license extension to include paediatric patients with a body weight of ≥10kg with paroxysmal nocturnal haemoglobinuria

Institute for Safe Medication Practices (ISMP) USA

- National Alert Network [alert](#) regarding mix-ups between influenza (flu) & COVID-19 vaccines
- Medication Safety Alert! [October 21, 2021](#)
- Challenges with Requiring Five Characters During Automated Dispensing Cabinet (ADC) Drug Searches Via Override - [link](#)
- Potential for inaccurate medication history data
- FDA communication on the accuracy of ENFit low dose tip syringe

PAPERS OF INTEREST

American Journal of Health-System Pharmacy (AJHP)

- Evaluation of medication administration timing variance using information from a large health system's clinical data warehouse - [link](#)
- The pathophysiology of sepsis — 2021 update: Part 2, organ dysfunction and assessment - [link](#)
- An electronic tool for health systems to assess and communicate discharge medication [access](#)
- Comparison of premade clevidipine and pharmacy-prepared nicardipine in time to goal systolic blood pressure in acute cerebrovascular accident - [link](#)
- Proportion of days covered as a measure of medication adherence - [link](#)

Annals of Oncology

- Adjuvant abemaciclib combined with endocrine therapy for high-risk early breast cancer: updated efficacy and Ki-67 analysis from the monarchE study - [link](#)

Australian Health Review

- Incidence of adverse incidents in residential aged care - [link](#)

British Journal of Clinical Pharmacology

- Dosing regimen optimisation for oseltamivir in immunocompromised paediatric patients with influenza: Extrapolation of efficacy - [link](#)
- Exposure–response analysis of acalabrutinib and its active metabolite, ACP-5862, in patients with B-cell malignancies - [link](#)
- Amitriptyline blocks innate immune responses mediated by TLR4 & IL1R: preclinical and clinical evidence in OA and gout - [link](#)

British Medical Journal (BMJ)

- NICE guidance on inclisiran should be reconsidered: opinion piece - [link](#)

Canadian Journal of Health Technologies

- Phosphodiesterase Type 5 Inhibitors for the Treatment of Secondary Raynaud Phenomenon and Digital Ulcers - [link](#)
- Chlorhexidine Oral Care in Critically Ill Adults - [link](#)
- Bone Growth Stimulators for Treatment of Adults with Bone Disease or Injury - [link](#)

Cephalalgia

- Migraine evolution after the cessation of CGRP(-receptor) antibody prophylaxis: a prospective, longitudinal cohort study - [link](#)

Circulation

- Reduction in Acute Limb Ischemia with Rivaroxaban versus Placebo in Peripheral Artery Disease after Lower Extremity Revascularization: Insights from VOYAGER PAD - [link](#)
- Antithrombotic Therapy in Patients Undergoing Transcatheter Interventions for Structural Heart Disease - [link](#)

Cochrane

- Anti-interleukin-13 and anti-interleukin-4 agents versus placebo, anti-interleukin-5 or anti-immunoglobulin-E agents, for people with asthma - [link](#)
- Calcium channel blockers versus other classes of drugs for hypertension - [link](#)

Drug and Therapeutics Bulletin

- Bremelanotide and flibanserin for low sexual desire in women: the fallacy of regulatory [precedent](#)
- Hospital antibiotic course length for community-acquired pneumonia - [link](#)
- Spironolactone of no benefit in people with AF and HFpEF - [link](#)

Epilepsia

- Efficacy of cenobamate for uncontrolled focal seizures: Post hoc analysis of a Phase 3, multicenter, open-label study - [link](#)
- Post hoc analysis of a phase 3, multicenter, open-label study of cenobamate for treatment of uncontrolled focal seizures: Effects of dose adjustments of concomitant antiseizure medications - [link](#)

European Heart Journal

- Combination lipid-lowering therapy as first-line strategy in very high-risk patients - [link](#)
- Ticagrelor monotherapy in patients at high bleeding risk undergoing percutaneous coronary intervention: TWILIGHT-HBR - [link](#)

European Journal of Hospital Pharmacy

- Implementation and effectiveness of pharmacist-led interviews at patient hospital admission in a rheumatology department - [link](#)
- Stability and compatibility of admixtures containing bupivacaine hydrochloride and ketorolac tromethamine for parenteral use - [link](#)

Heart

- Anticoagulant prescribing for atrial fibrillation and risk of incident dementia - [link](#)
- Influenza vaccine and risk of acute myocardial infarction in a population-based case-control [study](#)

Int J Clin Pharm

- Medication reconciliation in the geriatric unit: impact on the maintenance of post-hospitalization prescriptions - [link](#)

International Journal for Quality in Health Care

- Ensuring Medication Safety for Consumers from Ethnic Minority Backgrounds: The Need to Address Unconscious Bias Within Health Systems - [link](#)
- Effect of Automated Unit Dose Dispensing with Barcode Scanning on Medication Administration Errors: An Uncontrolled Before-and-After Study – [link](#)

JAMA

- Cancer-Related Cognitive Impairment in patients with a history of breast cancer - [link](#)
- Effects of Combined Varenicline with Nicotine Patch and of Extended Treatment Duration on Smoking Cessation. A Randomized Clinical Trial - [link](#) - [editorial](#)
- Association of Tramadol vs Codeine Prescription Dispensation with Mortality and Other Adverse Clinical Outcomes - [link](#) - [editorial](#)

JAMA Cardiology

- Assessment of Omecamtiv Mecarbil for the Treatment of Patients with Severe Heart Failure: A Post Hoc Analysis of Data From the GALACTIC-HF Randomized Clinical Trial - [link](#) – [editor's note](#)

JAMA Dermatology

- Effect of Costimulatory Blockade with Abatacept after Ustekinumab Withdrawal in Patients with Moderate to Severe Plaque Psoriasis: The PAUSE Randomized Clinical Trial - [link](#) - [editorial](#)

JAMA Internal Medicine

- Real-world Use of and Spending on New Oral Targeted Cancer Drugs in the US, 2011-2018 - [link](#)

JAMA Network Open

- Efficacy and Safety of Fixed-Dose Deutetrabenazine in Children and Adolescents for Tics Associated With Tourette Syndrome. A Randomized Clinical Trial - [link](#)

JAMA Oncology

- Interstitial Lung Disease Induced by Anti-ERBB2 (HER2) Antibody-Drug Conjugates: A [Review](#)

Journal of Palliative Medicine

- A Successful Case of Switching Treatment from Ketamine to Methadone for Complex Neuropathic Pain - [link](#)

Journal of Pharmacy Practice and Research (JPPR)

- Special Report: Pharmacy Forecast Australia 2021 – key findings - [link](#)

Lancet

- Tirzepatide versus insulin glargine in type 2 diabetes and increased cardiovascular risk (SURPASS-4): a randomised, open-label, parallel-group, multicentre, phase 3 trial - [link](#)

Lancet Oncology

- Nivolumab versus placebo in patients with relapsed malignant mesothelioma (CONFIRM): a multicentre, double-blind, randomised, phase 3 trial - [link](#)
- Overall survival in patients with hormone receptor-positive, HER2-negative, advanced or metastatic breast cancer treated with a cyclin-dependent kinase 4/6 inhibitor plus fulvestrant: a US Food and Drug Administration pooled analysis - [link](#)

National Institute for Health Research (NIHR) Signals

- How to improve information for people with osteoporosis - [link](#)
- Statins do not commonly cause muscle pain and stiffness - [link](#)
- A high-dose 24-hour tranexamic acid infusion for the treatment of significant gastrointestinal bleeding: HALT-IT RCT - [link](#)

New England Journal of Medicine

- Intranasal Oxytocin in Children and Adolescents with Autism Spectrum Disorder - [link](#)
- Aspergillus Infections - [link](#)
- Empagliflozin in Heart Failure with a Preserved Ejection Fraction - [link](#)

Palliative Medicine Reports

- How Do We Taper and Discontinue Opioids in Cancer Patients? Considerations from the Activities of a Palliative Care Team at a University Hospital - [link](#)

Pharmacotherapy

- Comparison of Risk-Scoring Systems for Heparin-Induced Thrombocytopenia in Cardiac Surgery Patients - [link](#)

- Meta-Analysis of Clinical Outcomes of PCSK9 Modulators in Patients with Established ASCVD - [link](#)
- Association of Bleeding with Serotonergic Antidepressants in Patients Receiving Left Ventricular Assist Device Support - [link](#)
- Cardiovascular and Kidney Outcomes of Spironolactone or Eplerenone in Combination with ACEI/ARBs in Patients with Diabetic Kidney Disease - [link](#)

Therapeutics and Clinical Risk Management

- How Safe are Fluoroquinolones for Diabetic Patients? A Systematic Review of Dysglycemic and Neuropathic Effects of Fluoroquinolones - [link](#)

TAG Mail – 14 October 2021

To all TAGMail readers:

NSW TAG is very sad to inform you that NSW Health have decided to move the core functions of NSW TAG from our clinician-led organisation to the CEC. NSW TAG will no longer receive core funding from NSW Health.

This means that **the last TAGMail will be delivered on 28th October.**

NSW TAG has supported and advanced quality use of medicines in NSW Hospitals through our expert network and secretariat for over 30 years. We are proud of the work produced by NSW TAG members and the secretariat during this time with many initiatives being adopted nationally.

NSW TAG is now entering a transition phase until 31/12/2021. There may be scope to continue some externally funded projects in 2022.

Thank you for your support over the 33 years NSW TAG has been in existence!



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 Australia: Epidemiology Report 51: Reporting period ending 26 September 2021 - [link](#)
- ATAGI update following weekly COVID-19 meeting – 6 October 2021 - [link](#)
- ATAGI clinical guidance on COVID-19 vaccine in Australia in 2021 (updated 12/10/21) - [link](#)
- Australian Health Protection Principal Committee (AHPPC) statement on recommendations for managing COVID-19 health risks - [link](#)
- ATAGI statement on the use of a 3rd primary dose of COVID-19 vaccine in individuals who are severely immunocompromised - [link](#)
- ATAGI Provider guide to COVID-19 vaccination of people with immunocompromise - [link](#)
- Updated [advice](#) on requirements for workers in health care settings who are exposed to COVID-19

NSW Health

- COVID-19 Weekly Surveillance in NSW - Epidemiological week 38, ending 25 September 2021 - [link](#)
- Management of Moderna elasomeran (Spikevax) COVID-19 vaccine from:
 - A standard temperature (-20°C) freezers to refrigerator (updated 8/10/21) - [link](#)
 - Refrigerator to administration (updated 8/10/21) - [link](#)
- Procedural sedation in the ED - [link](#)
- Aerosol generating respiratory procedures: Commencing resuscitation in ED - [link](#)
- Adult intensive care workforce report in COVID-19 pandemic - [link](#)
- Resumption and continuation of cardiac rehabilitation in NSW - Guiding principles - [link](#)

NSW Health Critical Intelligence Unit

- COVID-19 Monitor [14 Oct 2021](#): COVID-19 vaccines, cases, hospitalisations, deaths and variants
- Risk Monitoring Dashboard [13 Oct 2021](#)
- Living Evidence:

- COVID-19 vaccines. Last updated 12 Oct 2021 - [link](#)
- SARS-CoV-2 variants. Last updated 11 Oct 2021 – [link](#)
- Rapid testing. Last updated 8 Oct 2021 - [link](#)

Evidence Checks

- COVID-19 vaccine booster shots - [link](#)
- Acute mental health inpatient unit risk mitigation and models - [link](#)
- COVID-19 vaccines in Australia (updated 8/10/21) - [link](#)

TGA

- COVID-19 vaccine weekly safety report - 07-10-2021 - [link](#)
- Provisional determination granted to Pfizer's COVID-19 vaccine ([COMIRNATY](#)) - proposed for use in children 5-11 years of age

SHPA

- Essential COVID-19 Member Briefing (with Prof Josh Davis, Elspeth Kay, A/Prof Steven McGoughlin, Dr Stephen Parnis) Wed 27 October 2021, 8 - 9pm AEDT - [register](#)

Other

- COVID-normal: preparing for a new world with Peter Doherty, Daniel Hunter & Faye McMillan, with Adrienne Torda, Wed, 27 October 2021, 6:00 PM – 7:00 PM AEDT – [register](#) free

INTERNATIONAL

Organisation for Economic Co-operation and Development (OECD)

- OECD COVID-19 Recovery Dashboard. How does your country fare in building back a stronger and more inclusive, green and resilient economy and society? - [link](#)

WHO

- A clinical case definition of post COVID-19 condition by a Delphi consensus, 6 October 2021 - [link](#)
- COVID-19 vaccine tracker and landscape 8 Oct 2021 - [link](#)
- Antigen-detection in the diagnosis of SARS-CoV-2 infection - [link](#)
- WHO COVID-19 Excess Mortality Estimation Methodology - [link](#)
- WHO SPRP 2021 Mid-term Report - WHO Strategic Action Against COVID 19 - [link](#)
- - Science in 5: Episode #57 – Malaria vaccine
- Job aid for COVID-19 vaccine administration: Comirnaty® BNT162b2 vaccine, Oct 2021 - [link](#)
- Bulletin of the World Health Organization:
 - Violence against children during the COVID-19 pandemic - [link](#)
 - Alignment of national COVID-19 vaccine recommendations for pregnant and lactating women - [link](#)
 - Pooled testing for SARS-CoV-2, options for efficiency at scale - [link](#)
- Operational framework for international travel-related public health measures in the context of COVID-19 - [link](#)

Europe

EMA

- COVID-19 vaccine safety updated for: [Spikevax](#) (Moderna), [Vaxzevria](#) (AstraZenica), [Janssen](#), [Comirnaty](#) (BioNTech/Pfizer)
- New product information wording for Vaxzevria (from PRAC signal recommendations) Part 1- [link](#)
- EMA receives application for marketing authorisation for [Ronapreve](#) (casirivimab / imdevimab) for treatment and prevention of COVID-19

UK

- Department of Health and Social Care
 - Coronavirus: lessons learned to date [report](#)
 - Infectious Diseases Data Observatory (IDDO)
 - Medical Product Quality Report - COVID-19 Issues. [Issue 12](#): October 2021 (Data from June & July)
- Specialist Pharmacy Services NHS UK
 - Dosing information for COVID-19 booster vaccination - [link](#)
 - Breastfeeding with COVID-19 infection - [link](#)
 - Using Tocilizumab or Sarilumab for hospitalised patients with COVID-19 who are [breastfeeding](#)

- Using Tocilizumab or Sarilumab for hospitalised patients with COVID-19 who are [pregnant](#)
- UK Health Security Agency
- Pre COVID-19 vaccination booking checklist for parents of children aged 12 to 15 years - [link](#)

USA

- American Society of Health-System Pharmacists (ASHP)
- ASHP discussion forum ([Sign up](#) for free) recent topics of discussion: Baricitinib W/ Remdesivir; - Prioritizing patients to receive REGEN-COV; Anakinra, COVID-19, and MIS-A
- Education [activity](#): Ordering & Administering COVID-19 Therapeutics: Casirivimab & Imdevimab
- Education [activity](#): COVID-19 Vaccines in Children and Adolescents
- Centers for Disease Control and Prevention (CDC)
- Who Is Eligible for a COVID-19 Vaccine Booster Shot? - [link](#)
- Evidence to Recommendation Framework: Pfizer-BioNTech COVID-19 Booster Dose - [link](#)

JOURNAL ARTICLES

Annals of Internal Medicine

- COVID-19: Clinical and Public Health Implications of SARS-CoV-2 Immunology - [link](#)

Annals of the Rheumatic Diseases

- 2021 update of the EULAR points to consider on the use of immunomodulatory therapies in COVID-19 - [link](#)

bioRxiv preprints

- Comprehensive antibody profiling of mRNA vaccination in children - [link](#)

BMJ

- news: Covid-19: Sweden, Norway, and Finland suspend use of Moderna vaccine in young people “as a precaution” - [link](#)
- [Letter](#): COVID-19 vaccination and immunomodulatory or immunosuppressive drugs: indications and contraindications

Cannabis and Cannabinoid Research (Ahead of Print)

- Cannabidiol for COVID-19 Patients with Mild to Moderate Symptoms (CANDIDATE Study): A Randomized, Double-Blind, Placebo-Controlled Clinical Trial - [link](#)

Cellular and Molecular Immunology

- Significantly reduced abilities to cross-neutralize SARS-CoV-2 variants by sera from convalescent COVID-19 patients infected by Delta or early strains - [link](#)

European Heart Journal

- Myocardial microthrombi after COVID-19 mRNA vaccination - [link](#)

Infection & Chemotherapy

- Ruxolitinib and the Mitigation of Severe COVID-19: A Systematic Review and Meta-analysis - [link](#)

Intensive Care Medicine

- Tocilizumab and remdesivir in hospitalized patients with severe COVID-19 pneumonia: a randomized clinical trial - [link](#)

JAMA

- Association of Serum Ferritin Levels and Methylprednisolone Treatment with Outcomes in Non-intubated Patients with Severe COVID-19 Pneumonia - [link](#)
- Efficacy and Safety of Therapeutic-Dose Heparin vs Standard Prophylactic or Intermediate-Dose Heparins for Thromboprophylaxis in High-risk Hospitalized Patients With COVID-19. The HEP-COVID Randomized Clinical Trial - [link](#), [commentary](#)
- Association of Receipt of the Ad26.COVS2 COVID-19 Vaccine with Presumptive Guillain-Barré Syndrome, February-July 2021 - [link](#)
- [Research Letter](#): D-Dimer Testing for the Exclusion of Pulmonary Embolism among Hospitalized Patients with COVID-19

- Association between Risk of COVID-19 Infection in Nonimmune Individuals and COVID-19 Immunity in Their Family Members - [link](#)
- Effect of Antithrombotic Therapy on Clinical Outcomes in Outpatients with Clinically Stable Symptomatic COVID-19 - The ACTIV-4B Randomized Clinical [Trial](#)

Journal of Clinical Virology

- Natural spring water gargle and direct RT-PCR for the diagnosis of COVID-19 (COVID-SPRING study) - [link](#)

Lancet

- Do JAK inhibitors affect immune response to COVID-19 vaccination? Data from the MAJIK-SFR Registry - [link](#)
- Global prevalence and burden of depressive and anxiety disorders in 204 countries and territories in 2020 due to the COVID-19 pandemic - [link](#), [comment](#)
- All-cause and cause-specific mortality in people with mental disorders and intellectual disabilities, before and during the COVID-19 pandemic: cohort study - [link](#)

medRxiv

- Protection Across Age Groups of BNT162b2 Vaccine Booster against Covid-19 - [link](#)
- Illness characteristics of COVID-19 in children infected with the SARS-CoV-2 Delta variant - [link](#)
- Comparison of MIS-C Related Myocarditis, Classic Viral Myocarditis, and COVID-19 Vaccine related Myocarditis in Children - [link](#)

Nature

- Anti-SARS-CoV-2 receptor binding domain antibody evolution after mRNA vaccination - [link](#)

Nature Communications

- Nationwide rollout reveals efficacy of epidemic control through digital contact tracing - [link](#)

NEJM

- Protection of BNT162b2 Vaccine Booster against Covid-19 in Israel - [link](#)
- [Audio Interview](#): Are Covid-19 Vaccine Boosters Necessary?
- Effectiveness of Covid-19 Vaccines in Ambulatory and Inpatient Care Settings - [link](#)
- Bamlanivimab plus Etesevimab in Mild or Moderate Covid-19 - [link](#)
- Waning of BNT162b2 Vaccine Protection against SARS-CoV-2 Infection in Qatar - [link](#)

Neurology

- Cerebral Venous Sinus Thrombosis and Thrombotic Events after Vector-Based COVID-19 Vaccines: A Systematic Review and Meta-analysis - [link](#)

Scientific Reports

- Beneficial effects of a mouthwash containing an antiviral phthalocyanine derivative on the length of hospital stay for COVID-19: randomised trial - [link](#)

REPORTS AND PUBLICATIONS – AUSTRALIA

Australian Institute for Health and Welfare (AIHW)

- Diabetes technology in Australia: scoping report - [link](#)

NSW Health

- Mental Health Clinical Documentation [PD2021_039](#)

TGA

- [Discontinuation of DILAUDID](#) hydromorphone hydrochloride 1mg/mL oral liquid - Updated information regarding alternative overseas products approved for supply
- [Database](#) of section 19A approvals to import and supply medicines to address medicine shortages
- AusPARs: [Pertuzumab/trastuzumab](#) ; [Elicarbazepine acetate](#)
- Australian prescription medicine decision summaries: [trientine](#) tetrahydrochloride (Cuprior) - for Wilson's disease in adults, adolescents and children ≥ 5 years intolerant to D-penicillamine therapy

- Registration of [new or extended uses](#) of registered medicine: 10 added
- Registration of [new chemical entities](#) in Australia: 4 added
- Registration of [new generic medicines and biosimilar](#) medicines: 14 added
- [Inclusions of new biologicals](#): burosumab (Crysvita), sacituzumab govitecan (Trodelvy)

REPORTS AND PUBLICATIONS – INTERNATIONAL

All Wales Medicines Strategy Group

- Consults on draft guidance on oral anticoagulation for non-valvular atrial fibrillation - [link](#)

electronic Medicines Compendium (eMC) (UK)

- New products
- Adakveo ([crizanlizumab](#)) - for prevention of recurrent vaso-occlusive crises (VOCs) in sickle cell disease patients aged ≥16 years as an add-on therapy to hydroxyurea/hydroxycarbamide (HU/HC) or monotherapy in patients for whom HU/HC is inappropriate or inadequate
- Koselugo ([selumetinib](#)) - monotherapy for symptomatic, inoperable plexiform neurofibromas in paediatric patients with neurofibromatosis type 1 (NF1) aged 3 years and above
- Rekambys ([rilpivirine](#))- in combination with cabotegravir injection for HIV-1 infection in virologically suppressed adults (HIV-1 RNA <50 copies/mL) on stable antiretroviral regimen without present/past evidence of viral resistance to, and no prior virological failure with, agents of NNRTI & INI class
- Vocabria ([cabotegravir](#)) for use in combination with rilpivirine injection for the treatment of virologically suppressed adults on a stable antiretroviral regimen without present or past evidence of viral resistance to, & no prior virological failure with agents of the NNRTI & INI class

Food and Drug Administration (FDA) USA

- New Drug approvals
- avacopan (Tavneos) to treat severe active anti-neutrophil cytoplasmic autoantibody-associated vasculitis (granulomatosis with polyangiitis and microscopic polyangiitis) in combination with standard therapy, including glucocorticoids - [link](#)

MIMS UK

- Summary: [Ryego](#) (relugolix/estradiol/norethisterone)

NHS Scotland

- Accepted:
- Bempedoic acid / ezetimibe ([Nustendi](#)®) for primary hypercholesterolaemia or mixed dyslipidaemia (restricted use)
- [Cabotegravir](#) (Vocabria®) accepted for treatment of HIV-1
- [Cabozantinib](#) (Cabometyx®) accepted for advanced renal cell carcinoma
- [Chlorprocaine](#) hydrochloride (Ampres®) for spinal anaesthesia (restricted use)
- [Empagliflozin](#) (Jardiance®) for symptomatic chronic heart failure with reduced ejection fraction
- [Midazolam](#) oral solution (Ozalin®) for sedation in children
- [Olaparib](#) (Lynparza®) for treatment of prostate cancer
- Not recommended:
- [Liraglutide](#) (Saxenda®) for weight management

National Institute for Health and Clinical Excellence (NICE) UK

- Cardiovascular disease: risk assessment and reduction, including lipid modification [[CG181](#)]
- Secukinumab for treating moderate to severe plaque psoriasis in children and young people [[TA734](#)]
- Final appraisal: Upadacitinib for previously treated moderate active rheumatoid arthritis [[ID3878](#)]

Obesity Health Alliance UK

- Turning the Tide: A 10-year Healthy Weight Strategy - [link](#)

Specialist Pharmacy Services NHS UK

- PGD templates:
- Administration of benzylpenicillin injection prior to transfer to secondary care in suspected bacterial meningitis or meningococcal septicaemia - [link](#)

- Administration of diazepam rectal tubes by registered Paramedics and Nurses for the management of seizures - [link](#)
- Administration of tranexamic acid by registered Paramedics and Nurses for treatment of severe haemorrhage - [link](#)
- Administration of buccal midazolam by registered Paramedics and Nurses for the management of seizures - [link](#)

- National PGDs:

- Administration of flumazenil by registered Paramedics or Nurses for the complete or partial reversal of the central sedative effects of midazolam used for conscious sedation - [link](#)
- Administration of diazepam emulsion for injection by registered Nurses for the management of seizures - [link](#)
- Administration of diazepam solution for injection by registered Paramedics and Nurses for the management of seizures - [link](#)

World Health Organisation (WHO)

- COP26 Special Report on Climate Change and Health (with 10 recommendations) - [link](#)
- Mental Health ATLAS 2020 published - [link](#)
- For the future: towards the healthiest and safest Region - Western Pacific for the next 5 years - [link](#)
- New stress management course for people living with adversity - [link](#)
- WHO report highlights global shortfall in investment in mental health - [link](#)

MEDICATION SAFETY

electronic Medicines Compendium (eMC) (UK)

- Revised SPCs
- Blincyto ([blinatumomab](#)) - licence extension as monotherapy in paediatric patients aged 1 year or older with high-risk first relapsed Philadelphia chromosome negative CD19 positive B-precursor acute lymphoblastic leukaemia as part of consolidation therapy
- Clexane ([enoxaparin](#)) - licence extension for use as extended treatment of deep vein thrombosis and pulmonary embolism & prevention of its recurrence in patients with active cancer
- Crysvita ([burosumab](#)) now allows for self/carer-administration, once stabilised on treatment, after training on injection techniques, with first self-administered dose after drug initiation or dose change conducted under supervision of healthcare professional. Monitoring must continue as required
- [Daktacort](#) (miconazole/hydrocortisone) - severe hypersensitivity reactions, including anaphylaxis/angioedema reported with topical miconazole, close monitoring if patients on oral anticoagulants, adrenal suppression can occur even without occlusion and risk of topical steroid withdrawal syndrome
- Dupixent ([dupilumab](#)) - phase 3 open label extension study (AD-1225) of safety of repeat doses in 2677 adults exposed to 300 mg weekly found long-term safety profile up to 3 years was generally consistent with safety profile observed in controlled studies
- Esbriet ([pirfenidone](#)) - during pivotal clinical trials, cases of decreased appetite were readily manageable and generally not associated with significant sequelae. Uncommonly, cases of decreased appetite were associated with significant weight loss and required medical intervention
- [Genvoya](#) (emtricitabine, elvitegravir, cobicistat and tenofovir) - possible interactions with polyvalent cations and thienopyridines. The interaction with polyvalent cations may lead to lower plasma concentrations of elvitegravir due to local complexation in the gastrointestinal tract
- Inrebic ([fedratinib](#)) - warning added that if co-administered with agents that are renally excreted via organic cation transporter (OCT)2 and multidrug and toxin extrusion (MATE)1/2 K (e.g. metformin), caution should be exercised and dose modifications should be made as needed
- Kenalog (triamcinolone) = as well as 'Steroid Treatment Cards', the patient should carry a 'Steroid Emergency Card' when multiple doses are given in a relatively short period of time
- Kineret ([anakinra](#)) - eosinophilia and systemic symptoms (DRESS) has been added as a potential adverse effect of treatment, predominantly in patients with systemic juvenile idiopathic arthritis
- MabThera ([rituximab](#)) - limited data on excretion into breast milk suggest very low milk levels (relative infant dose <0.4%); a few follow-up cases describe normal growth/development up to 1.5 years. Available data do not suggest increased malignancy risk when used in autoimmune indications
- Trexecta and Xeplion ([paliperidone](#)) - Stevens-Johnson syndrome/toxic epidermal necrolysis added as a potential adverse effect of treatment (frequency unknown)

FDA Drug Safety Podcast

- FDA requires warnings about increased risk of serious heart-related events, cancer, blood clots, and death for JAK inhibitors that treat certain chronic inflammatory conditions – [link](#) to transcript
- Medications guides available for: Cannabidiol ([Epidiolex](#)); Dulaglutide ([Trulicity](#))

Medicines and Healthcare products Regulatory Agency (MHRA) UK

- Public Assessment Report of the reclassification of Calci-D chewable tablets from a Prescription Only Medicine (POM) to a Pharmacy (P) - [link](#)
- Drug Safety Update [October 2021](#)
- [Chloral hydrate, cloral betaine](#) (Welldorm): restriction of paediatric indication
- [Tofacitinib](#) (Xeljanz): new measures to minimise risk of major adverse cardiovascular events and malignancies
- #MedSafetyWeek 1-7 November 2021 (social media campaign): support the safety of [vaccines](#)

TGA

- Pentosan polysulfate sodium ([Elmiron](#)) & pigmentary maculopathy (esp after long-term use)– [update](#)

PAPERS OF INTEREST

American Journal of Health-System Pharmacy (AJHP)

- Outcomes of nontuberculous mycobacteria isolation among lung transplant recipients: A matched case-control with retrospective cohort study – [link](#)
- Management of patients with fibrosing interstitial lung diseases - [link](#)

Annals of Internal Medicine

- Rivaroxaban Is Associated With Higher Rates of Gastrointestinal Bleeding Than Other Direct Oral Anticoagulants - [link](#)
- Would You Recommend Aspirin to This Patient for Primary Prevention of Atherosclerotic Cardiovascular Disease? - [link](#)
- [Letter](#): Treating Type 2 Autoimmune Pancreatitis with Colchicine: A Case Series

Australian Health Review

- Chronic pain and cardiovascular disease prevention in primary care: a review of Australian primary health network needs assessments - [link](#)
- COVID-19 prompts rapid and safe transition of chemotherapy into homes - [link](#)

British Journal of Clinical Pharmacology

- Antihypertensive drug use and psoriasis: A systematic review, meta- and network meta-[analysis](#)
- Sodium-glucose co-transporter-2 inhibitors in the non-diabetic heart failure patient - [link](#)
- Association of proton pump inhibitor use with adverse health outcomes: A systematic umbrella review of meta-analyses of cohort studies and randomised controlled trials - [link](#)
- Clinical usefulness of prediction tools to identify adult hospitalized patients at risk of drug-related problems: a systematic review of clinical prediction models and risk assessment tools - [link](#)
- Effect of renal function on the risk of thrombocytopaenia in patients receiving linezolid therapy: A systematic review and meta-analysis - [link](#)
- Switching between reference adalimumab and biosimilars in chronic immune-mediated inflammatory diseases: a systematic literature review - [link](#)
- Impact of regulatory interventions to restrict the combined use of renin-angiotensin system blockers: A Danish nationwide drug utilisation study - [link](#)
- Implementing prescribing safety indicators in prisons: a mixed methods study - [link](#)
- Physicians' and pharmacists' views and experiences regarding use of direct oral anticoagulants in clinical practice - [link](#)

British Medical Journal (BMJ)

- Advances in acute myeloid leukemia - [link](#)
- Effectiveness and safety of non-steroidal anti-inflammatory drugs and opioid treatment for knee and hip osteoarthritis: network meta-analysis - [link](#)

BMJ Open

- Audit of data redaction practices in NICE technology appraisals from 1999 to 2019 - [link](#)
- Shingles, Zostavax vaccination and risk of developing dementia: a nested case-control study— results from the UK Biobank cohort - [link](#)
- Characteristics of pharmacist's interventions triggered by prescribing errors related to computerised physician order entry in French hospitals: a cross-sectional observational study - [link](#)
- Quality standards for safe medication in nursing homes: development through a multistep approach including a Delphi consensus study - [link](#)
- Time-dependent propensity-matched general population study of the effects of statin use on cancer risk in an interstitial lung disease and pulmonary fibrosis cohort - [link](#)

British Journal of Psychiatry

- Comparative efficacy and acceptability of psychotherapies for panic disorder with or without agoraphobia: systematic review and network meta-analysis of randomised controlled trials - [link](#)

Canadian Journal of Health Technologies

- Bone Growth Stimulators for Treatment of Adults with Bone Disease or Injury - [link](#)

Circulation

- Effect of Long-Term Marine Omega-3 Fatty Acids Supplementation on the Risk of Atrial Fibrillation in Randomized Controlled Trials of Cardiovascular Outcomes: A Systematic Review and Meta-[Analysis](#)

Cochrane

- Pharmacotherapy for hypertension-induced left ventricular hypertrophy - [link](#)
- Ketamine and other glutamate receptor modulators for depression in adults with bipolar [disorder](#)
- Oral anticoagulation in people with cancer who have no therapeutic or prophylactic indication for anticoagulation - [link](#)
- Prophylactic antibiotics for preventing gram-positive infections associated with long-term central venous catheters in adults and children receiving treatment for cancer - [link](#)
- Recombinant growth hormone therapy for X-linked hypophosphatemia in children - [link](#)

Drug and Therapeutics Bulletin

- Accuracy of BP monitors used at home - [link](#)
- Outcomes in patients requiring intensive care for CAR T-cell toxicity - [link](#)

European Heart Journal

- Towards personalized antithrombotic management with drugs and devices across the cardiovascular spectrum - [link](#)

European Journal of Hospital Pharmacy

- Red for danger in systematic reviews? - [link](#)
- Comparison of metaraminol versus no metaraminol on time to resolution of shock in critically ill patients - [link](#)
- Real-world outcomes of abiraterone and enzalutamide in first-line treatment of metastatic castration-resistant prostate cancer: which patients benefit most? - [link](#)

Heart

- Optimal diet for cardiovascular and planetary health - [link](#)

Internal Medicine Journal

- Danger in discharge summaries: Abbreviations create confusion for both author and recipient - [link](#)

International Journal of Clinical Pharmacy

- Potentially inappropriate prescribing in a falls clinic using the STOPP and START criteria - [link](#)
- Evaluation of osimertinib for advanced non-small cell lung cancer with leptomeningeal metastases: a cost-effectiveness and budget impact analysis - [link](#) - [editorial](#)

JAMA

- Effect of Prophylactic Subcutaneous Scopolamine Butylbromide on Death Rattle in Patients at the End of Life. The SILENCE Randomized Clinical Trial - [link](#)

JAMA Network Open

- Comparison of New Pharmacologic Agents with Triptans for Treatment of Migraine. A Systematic Review and Meta-analysis - [link](#)
- Effect of medication reconciliation at hospital admission on 30-day returns to hospital: a randomized clinical trial - [link](#)

JAMA Psychiatry

- Long-term Arrhythmia Detection Using an Implantable Loop Recorder in Patients Receiving Psychotropic Medication - [link](#)

Journal of Patient Safety and Risk Management

- Implementation and evaluation of a good prescribing tip email to reduce junior doctors' prescribing errors - [link](#)

Journal of Pharmacy Practice and Research (JPPR)

- Infliximab switching from reference product to biosimilar: a review of evidence regarding the clinical efficacy, safety profile and immunogenicity - [link](#)

Lancet

- Series: A comprehensive approach to therapy of haematological malignancies in older patients - [link](#)
- Narrow-spectrum antibiotics for community-acquired pneumonia in Dutch adults (CAP-PACT): a cross-sectional, stepped-wedge, cluster-randomised, non-inferiority, antimicrobial stewardship intervention trial - [link](#)

Lancet Gastroenterology and Hepatology

- Current and emerging therapies for advanced biliary tract cancers - [link](#)

Lancet HIV

- Long-acting cabotegravir and rilpivirine dosed every 2 months in adults with HIV-1 infection (ATLAS-2M), 96-week results: a randomised, multicentre, open-label, phase 3b, non-inferiority study - [link](#)

Lancet Public Health

- Access to palliative care: the primacy of public health partnerships and community participation - [link](#)

Molecular Diversity Preservation International (MDPI) – Pharmacy Journal

- Outcomes of a National, Cross-Sector Antimicrobial Stewardship Training Initiative for Pharmacists in England - [link](#)

New England Journal of Medicine

- Autoimmune Hemolytic Anemias - [link](#)
- Spinal Anesthesia or General Anesthesia for Hip Surgery in Older Adults - [link](#)
- The Drug-Dosing Conundrum in Oncology — When Less Is More - [link](#)
- Immediate versus Postponed Intervention for Infected Necrotizing Pancreatitis - [link](#)

Pharmaceutical Journal

- National Patient Safety Incident Report (NaPSIR) finds decrease in number of reported medication-related incidents - [link](#)
- Return of ranitidine being considered by UK manufacturer - [link](#)

Prehospital Emergency Care

- A Standardized Formulary to Reduce Pediatric Medication Dosing Errors: A Mixed Methods [Study](#)

Public Library of Science (PLOS)

- The effects of an evidence- and theory-informed feedback intervention on opioid prescribing for non-cancer pain in primary care: A controlled interrupted time series analysis - [link](#)

CONSULTATIONS (new additions in bold)

NHMRC

- Comment sought on draft modules [Guideline impact](#), [Selecting studies and data extraction](#) and examples of relevant strategies that could be included impact module – email clinicalguidelines@nhmrc.gov.au until 16 December 2021

TGA

- Notice of interim decisions on proposed amendments to the Poisons Standard - ACMS #34 (oral contraceptive substances) - June 2021. Closes on 1 November 2021 - [link](#)
- Notice of interim decisions on proposed amendments to the Poisons Standard - ACMS #34 – re amygdalin & hydrocyanic acid, bufexamac, ibuprofen - June 2021. Closes on 1 November 2021 - [link](#)
- **Notice of interim decisions on proposed amendments referred to the Advisory Committee on Medicines and Chemicals Scheduling in joint session (Joint ACMS-ACCS #28, June 2021), sodium nitrite, closes 11 Nov 2021 - [link](#)**

WEBINARS & PODCASTS

AHHA

- Getting evidence into policy and practice, 20 October 2021 10:30-11:30am - free - [register](#)
- [Webinar](#): Transformation for sustainability, 4/11/21

Australian Institute of Health Innovation (AIHI)

- [Webinar](#): Strengthening Care for Children – Can integrated care reduce hospital demand and improve outcomes for children? Wednesday, 20 October 2021, 2.00pm - 3.00pm (AEDT)

Brett Tindall Memorial Lecture 2021

- The Honourable Jillian Skinner, Fri, 22 October 2021, 11:00 AM – 12:30 PM AEDT – [register](#) free

FDA Division of Drug Information is presenting a [series](#) of CE webinars

- Fetal Pharmacology and Therapeutics Public Workshop, 21-22 October 2021 - [register](#)
- Overview of Risk Evaluation and Mitigation Strategies (REMS) for Health Care Providers - [link](#)

FIP

- 9th FIP Global Pharmacy Technicians' Symposium: [Day 1](#) (19/10/21) and [Day 2](#) (20/10/21)
- Episode 16 | FIP DG 8: Working with others 19 October, 13:00 - 14:30 CEST
- FIP "Setting goals for the decade ahead" | Episode 16 | FIP DG 8: Working with others. 19 October 2021 13:00-14:30 CEST - [register](#)
- Supporting self-care: disinfection in common conditions. 15 October 2021 11:00-12:30 CEST - [register](#)

MJA Podcasts

- [Episode 42](#): Potentially harmful compounds in e-liquids

Older Persons' Mental Health Service, Prince of Wales Hospital

- Keeping Connected: Social Health and Ageing, Wed 27th Oct, 10AM - 12PM, register free [here](#)

Pharmaceutical Journal – RPSGB

- [Podcast](#): Antidepressant withdrawal: why has it been ignored for so long?

Purple Pen Podcast

- [PPP123](#): Hyperbaric Medicine

TGA

- Nicotine vaping products, the [NZ](#) / [UK](#) smoking cessation experience; practical tips for Australian prescribers (webinars [14/10/21](#) and [20/10/21](#))

TAG Mail – 7 October 2021

COVID-19 RESOURCES & ARTICLES OF INTEREST

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

AUSTRALIAN

Agency for Clinical Innovation (ACI)

- Emergency department assessment and management of COVID-19 in adults (Delta variant) - [link](#)
- Clinical practice guide for respiratory support in adults with COVID-19 - [link](#)

Australian Government Department of Health

- ATAGI update following weekly COVID-19 meeting – 29 September 2021 - [link](#)

National Centre for Immunisation Research and Surveillance (NCIRS)

- New resources: [FAQS](#) COVID-19 and vaccines: Children and adolescents

NSW Health

- NSW Health Pathology – New COVID-19 results [portal](#)
- COVID-19 Weekly Surveillance in NSW - Epidemiological week 37, ending 18 September 2021 - [link](#)
- Guidance for maternity and newborn care - [link](#)
- SOP for administration of COVID-19 vaccines in NSW vaccination clinics ([PD2021_036](#))
- Statewide Protocol for the Supply or Administration of COVID-19 Vaccine ([PD2021_038](#))

NSW Health Critical Intelligence Unit

- [COVID-19 Monitor 30 Sep 2021](#): COVID-19 vaccines, cases, hospitalisations, deaths and variants
- Risk Monitoring [Dashboard](#) 6 Oct 2021
- Living Evidence:
 - COVID-19 vaccines. Last updated 6 Oct 2021 - [link](#)
 - SARS-CoV-2 variants. Last updated 6 Oct 2021 – [link](#)
 - Post acute sequelae of COVID-19. Last updated 6 Oct 2021 [link](#)
 - Surgery and COVID-19. Last updated 1 Oct 2021- [link](#)
- Evidence checks:
 - COVID-19 vaccines in Australia (updated 1 Oct 2021) - [link](#)
 - Initiation of remdesivir treatment for COVID-19 - [link](#)
 - Public health measures and COVID 19 vaccine rollout - [link](#)
 - Post acute and subacute COVID-19 care - [link](#)
 - Therapeutic sessions and personal protective equipment - [link](#)
 - Workforce reconfiguration evidence check (updated 29 Sep 2021) - [link](#)
 - Oxygen saturation monitors/pulse oximeters for COVID-19 - [link](#)

TGA

- COVID-19 vaccine weekly safety report - 30-09-2021 - [link](#)
- COVID-19 vaccines not registered in Australia but in current international use: [advice](#) on recognition
- Provisional determination for Pfizer Australia's COVID-19 treatment PF-07321332 + ritonavir - [link](#)

INTERNATIONAL

WHO

- Weekly operational update on COVID-19 - 4 October 2021 - [link](#)
- Weekly epidemiological update on COVID-19 – 5 October 2021 - [link](#)
- COVID-19 vaccine tracker and landscape (5/10/21) - [link](#)
- Annex to Infection prevention and control during health care when coronavirus disease (COVID-19) is suspected or confirmed – interim guidance 1/10/21- [link](#)
- WHO COVID-19 social science in outbreak response. Community-centred approaches to health emergencies: progress, gaps and research priorities - [link](#)
- Scientific Briefs (29/9/21): [Neurology & COVID-19](#); [COVID-19 disease in children & adolescents](#)
- Coronavirus Update 67 – COVID-19 in children and adolescents - [link](#)
- Science in 5: Episode #56: Air pollution
- Interim statement on booster doses for COVID-19 vaccination 4/10/21 - [link](#)

Canada

Health Canada's MedEffect

- Authorization of [Sotrovimab](#) for Injection for Use in Relation to the COVID-19 Pandemic

Europe

EMA

- Comirnaty and Spikevax: EMA recommendations on extra doses and boosters - [link](#)

UK

-King's Fund (UK)

-- Learning from Covid-19: what does the future hold for public health? - [link](#)

-MHRA

-- How tests and testing kits for coronavirus (COVID-19) work, updated 5 October 2021 - [link](#)

-UK Health Security Agency

-- UKHSA publishes new recommendations for COVID-19 infection prevention and control (IPC) - [link](#)

USA

-American Society of Health-System Pharmacists (ASHP)

-- ASHP discussion forum ([Sign up](#) for free) recent topics of discussion include: Remdesivir for Outpatient Use; Sarilumab IV Stability; MOVE-OUT trial (molnupiravir); American Hospital Association Snapshot;

-FDA

-- FDA's authorization of a single booster dose of the Pfizer-BioNTech COVID-19 Vaccine for certain populations with stakeholders – link to [video](#)

JOURNAL ARTICLES

American Journal of Health-System Pharmacy (AJHP)

- Clinical outcomes of concomitant use of enteral and intravenous sedatives and analgesics in mechanically ventilated patients with COVID-19 - [link](#)

Annals of the Rheumatic Diseases

- BNT162b2 vaccine-induced humoral and cellular responses against SARS-CoV-2 variants in systemic lupus erythematosus - [link](#)

BMJ

- Post-discharge after surgery Virtual Care with Remote Automated Monitoring-1 (PVC-RAM-1) technology versus standard care: randomised controlled trial - [link](#)

- Characterising long COVID: a living systematic [review](#)

- Vaccine induced immune thrombocytopenia and thrombosis: summary of NICE guidance - [link](#)

BMJ Heart

- Antiplatelet therapy and outcome in COVID-19: the Health Outcome Predictive Evaluation [Registry](#)

BMJ Quality and Safety

- COVID-19 hospital prevalence as a risk factor for mortality: an observational study of a multistate cohort of 62 hospitals - [link](#)

British Journal of General Practice

- Recommendations for the recognition, diagnosis, and management of long COVID: a Delphi [study](#)

CHEST preprint

- Study of Alteplase for Respiratory failure in SARS-Cov2 COVID-19 (STARS): A Vanguard Multicenter, Rapidly Adaptive, Pragmatic, Randomized, Controlled Trial - [link](#)

Critical Care Medicine

- Use of Airway Pressure Release Ventilation in Patients with Acute Respiratory Failure Due to Coronavirus Disease 2019. Results of a Single-Center Randomized Controlled Trial - [link](#)

Diagnostics

- Safety and Efficacy of Convalescent Plasma in COVID-19: An Overview of Systematic [Reviews](#)

- Performance of 7 SARS-CoV-2 Self-Tests Based on Saliva, Anterior Nasal & Nasopharyngeal Swabs Corrected for Infectiousness in Real-Life Conditions: A Cross-Sectional Test Accuracy [Study](#)

Frontiers in Endocrinology

- Mortality Risk of Antidiabetic Agents for Type 2 Diabetes with COVID-19: A systematic review and Meta-Analysis - [link](#)

JAMA

- Symptoms and Health Outcomes among Survivors of COVID-19 Infection 1 Year after Discharge from Hospitals in Wuhan, China - [link](#)
- Effect of Convalescent Plasma on Organ Support-Free Days in Critically Ill Patients with COVID-19: A Randomized Clinical [Trial](#)

Journal of Neurology, Neurosurgery & Psychiatry

- Clinical and biological features of cerebral venous sinus thrombosis following ChAdOx1 nCov-19 vaccination - [link](#)

Lancet

- [Review](#): The role of viral genomics in understanding COVID-19 outbreaks in long-term care facilities
 - Extracorporeal membrane oxygenation for COVID-19: evolving outcomes from the international Extracorporeal Life Support Organization Registry - [link](#)
 - The durability of immunity against reinfection by SARS-CoV-2: a comparative evolutionary [study](#)
 - Effectiveness of mRNA BNT162b2 COVID-19 vaccine up to 6 months in a large integrated health system in the USA: a retrospective cohort study - [link](#)
 - [Comment](#): Navigating from SARS-CoV-2 elimination to endemicity in Australia, Hong Kong, New Zealand, and Singapore
- Preprint with the Lancet
- Efficacy of COVID-19 Vaccination on the Symptoms of Patients with Long COVID: A Target Trial Emulation Using Data from the ComPaRe e-Cohort in France - [link](#)
 - [Correspondence](#): Immunological responses to SARS-CoV-2 vaccines in kidney transplant recipients
 - Lancet series: cardiac arrest (resuscitation in special circumstances including COVID-19) - [link](#)
 - Effect of COVID-19 pandemic lockdowns on planned cancer surgery for 15 tumour types in 61 countries: an international, prospective, cohort [study](#)

medRxiv pre-prints

- The impact of SARS-CoV-2 vaccination on Alpha & Delta variant transmission - [link](#)
- Initial Analysis of Viral Dynamics and Circulating Viral Variants During the mRNA-1273 Phase 3 COVE Trial - [link](#)
- Adverse events of special interest for COVID-19 vaccines - background incidences vary by sex, age and time period and are affected by the pandemic - [link](#)
- Effectiveness of mRNA-1273 against Delta, Mu, and other emerging variants - [link](#)
- COVID-19 Neutralizing Antibody Surveillance Testing for Fully Vaccinated Individuals During Delta Variant Spread - [link](#)
- Initial SARS-CoV-2 viral load is associated with disease severity: a retrospective cohort [study](#)
- Non-pharmaceutical interventions and vaccinating school children required to contain SARS-CoV-2 Delta variant outbreaks in Australia: a modelling analysis - [link](#)
- Increase in preterm stillbirths and reduction in iatrogenic preterm births for fetal compromise: a multi-centre cohort study of COVID-19 lockdown effects in Melbourne, Australia - [link](#)
- Preterm outcomes following COVID-19 lockdowns, Melbourne, Australia - [link](#)

Nature Communications

- Possible future waves of SARS-CoV-2 infection generated by variants of concern with a range of characteristics - [link](#)

Nature Medicine

- Immune responses to 2 & 3 doses of the BNT162b2 mRNA vaccine in adults with solid tumors - [link](#)

NEJM

- Waning Immune Humoral Response to BNT162b2 Covid-19 Vaccine over 6 Months - [link](#)
- Myocarditis after BNT162b2 mRNA Vaccine against Covid-19 in Israel - [link](#)
- Myocarditis after Covid-19 Vaccination in a Large Health Care Organization – [link](#)

Respirology

- Tocilizumab administration for the treatment of hospitalized patients with COVID-19: A systematic review and meta-analysis - [link](#)

Reviews in Medical Virology

- Pharmacological interventions to prevent Covid-19 disease: A rapid [review](#)

Scientific Reports

- Cardiac involvement in hospitalized patients with COVID-19 and its incremental value in outcomes prediction - [link](#)
- Mathematical modeling based on RT-qPCR analysis of SARS-CoV-2 in wastewater as a tool for epidemiology - [link](#)
- The virucidal effects of 405 nm visible light on SARS-CoV-2 and influenza A virus - [link](#)
- Budget constrained machine learning for early prediction of adverse outcomes for COVID-19 patients - [link](#)
- Tocilizumab reduces COVID-19 mortality and pathology in a dose and timing-dependent fashion: a multi-centric [study](#)

The Journal of Clinical Pharmacology

- Risk of SARS-CoV-2 Infection and COVID-19 Severity Associated with Exposure to Nonsteroidal Anti-Inflammatory Drugs: Systematic Review and Meta-Analysis - [link](#)

Translational Psychiatry

- Neuropsychiatric manifestations of COVID-19, potential neurotropic mechanisms, and therapeutic interventions - [link](#)

Vaccines

- Vaccines in Cancer Patients. Seropositivity and Safety. Systematic Review and Meta-Analysis - [link](#)

REPORTS AND PUBLICATIONS – AUSTRALIA

Australian Government Department of Health

- Prescriptions via telehealth – state and territory rules (Arrangements for image-based prescribing implemented at the start of the COVID-19 pandemic will cease on 31 December 2021) - [link](#)

Australian Institute of Health and Welfare

- Australian Burden of Disease Study 2018: key findings for Aboriginal and Torres Strait Islander people - [link](#)

MIMS monthly updates, [October 2021](#)

- New Products
 - Lemborexant (Dayvigo): a competitive antagonist of both orexin receptors, OX1R and OX2R, with a higher affinity for OX2R, indicated for the treatment of insomnia, characterised by difficulties with sleep onset and/or sleep maintenance and contraindicated in patients with narcolepsy
 - Sotrovimab (Xevudy): an engineered human IgG1 monoclonal antibody (mAb) that binds to a highly conserved epitope on the spike protein receptor binding domain of SARS-CoV-2 provisionally approved for the treatment of adults and adolescents ≥ 12 years weighing ≥ 40 kg with coronavirus disease 2019 (COVID-19) who do not require initiation of oxygen due to COVID-19 and who are at increased risk of progression to hospitalisation or death

TGA

- AusPARs:
 - Fluticasone furoate / umeclidinium / vilanterol ([Trelegy Ellipta](#)) – new strength, indication extension

REPORTS AND PUBLICATIONS – INTERNATIONAL

All Wales Medicines Strategy Group

- advice on sodium-glucose cotransporter-2 (SGLT-2) inhibitors in type 2 diabetes and cardiovascular disease - [link](#)

Department of Health and Social Care UK

- New Every Mind Matters campaign to improve people's mental health - [link](#)

electronic Medicines Compendium (eMC) (UK)

- New products
- Orladeyo ([berotralstat](#)) 150 mg hard capsules for routine prevention of recurrent attacks of hereditary angioedema in adult and adolescent patients aged 12 years and older
- [Ryeqo](#) 0.5, 1.0 and 40 mg film-coated tablets (estradiol hemihydrate, norethisterone acetate, relugolix) - moderate to severe of uterine fibroid symptoms in adult women of reproductive age

Food and Drug Administration (FDA) USA

- New Drug approvals
- brexucabtagene autoleucel for relapsed or refractory B-cell precursor acute lymphoblastic leukemia
- [link](#)
- [maralixibat](#) (Livmarli) to treat cholestatic pruritus associated with Alagille syndrome
- [atogepant](#) (Qulipta) to prevent episodic migraines

General Pharmaceutical Council UK

- GPhC launches consultation on changes to requirements for training as a pharmacist independent prescriber - - [link](#)

NHS England

- Clinical Commissioning Policy: Rituximab therapy for the treatment of nodal/paranodal antibody positive inflammatory/autoimmune neuropathy in adults and postpubescent children - [link](#)

National Institute for Health and Clinical Excellence (NICE) UK

- Inclisiran for treating primary hypercholesterolaemia or mixed dyslipidaemia [[TA733](#)]
- Final appraisal document
- Atezolizumab for untreated PD-L1-positive advanced urothelial cancer when cisplatin is unsuitable: (CDF Review of TA492) [[ID3777](#)]
- Crizanlizumab for preventing sickle cell crises in sickle cell disease - [link](#)

Specialist Pharmacy Services NHS UK

- RMOC shared care guidance: draft shared care protocols, consultation 5: oral ciclosporin (non-transplant), oral and subcutaneous methotrexate (excluding cancer) and sulfasalazine - [link](#)
- About the SPS Medicines Governance Do Once Programme - [link](#)

Transatlantic Taskforce on Antimicrobial Resistance

- continues international fight against antimicrobial resistance – [progress report](#)

World Health Organisation (WHO)

- Global alcohol action plan: Second draft, unedited - [link](#)
- Quality health services and palliative care: practical approaches and resources to support policy, strategy and practice - [link](#)
- Action needed to increase patient safety and improve maternal and newborn care - [link](#)

MEDICATION SAFETY

electronic Medicines Compendium (eMC) (UK)

- Revised SPCs
- Azzalure ([botulinum](#) toxin type A) warning about 'dry eye'; 'hypersensitivity' and 'muscle atrophy' from post marketing experience
- Botox ([botulinum](#) toxin A) clinical study data for paediatric neurogenic detrusor overactivity (NDO), adverse events considered related to Botox in 32% of adults & 6.2% of paediatric patients with NDO
- Clexane ([enoxaparin](#)) Forte - licence extension for extended treatment of DVT & PE & prevention of its recurrence in patients with active cancer. Recommended dose is 100 IU/kg (1 mg/kg) BD by SC injections for 5-10 days, followed by 150 IU/kg (1.5 mg/kg) OD up to 6 months
- Libtayo ([cemiplimab](#)) - new indication as monotherapy for adults with locally advanced or metastatic basal cell carcinoma, who have progressed on or are intolerant to a hedgehog pathway inhibitor
- Lioresal ([baclofen](#)) Intrathecal - device malfunction resulting in altered drug delivery leading to withdrawal symptoms including death

- Lorviqua ([lorlatinib](#)) - licence extension as monotherapy for ALK+ve advanced non-small cell lung cancer not previously treated with an ALK inhibitor or for progression after prior treatment with an ALK inhibitor; dose modifications for hypertension and hyperglycaemia
- Opdivo ([nivolumab](#)) license extension for adult adjuvant treatment of resected oesophageal or gastro-oesophageal junction cancer with residual pathologic disease following prior neoadjuvant chemoradiotherapy
- Siklos ([hydroxycarbamide](#)) updated with data regarding haemoglobin concentration on treatment
- Tecentriq ([atezolizumab](#)) license extension in combination with nab-paclitaxel for adults with unresectable locally advanced or metastatic triple-negative breast cancer with PD-L1 expression $\geq 1\%$ who have not received prior chemotherapy for metastatic disease
- [Teragezza](#) (cyproterone acetate; ethinylestradiol) - exogenous estrogens may induce or exacerbate symptoms of hereditary and acquired angioedema (frequency 'unknown')
- Variquel ([terlipressin](#) acetate) - license extension for emergency treatment of hepatorenal syndrome. Painful breathing, respiratory arrest and injection site necrosis (all uncommon) and abdominal cramps (common) added as adverse effects
- Xeljanz ([tofacitinib](#)) license extension for juvenile idiopathic arthritis and dosing information for juvenile psoriatic arthritis in children between 2 and 18 years of age
- Xeomin ([botulinum](#) toxin type a) – new indication: symptomatic treatment in children & adolescents aged 2 to 17 years of chronic sialorrhea due to neurological disorders and/or intellectual disability
- Risk Minimisation materials
- Amglicia ([glibenclamide](#)) 0.6 mg/mL and 6mg/ml oral suspension - Prescriber Guide

EMA

- EMA starts review of meningioma risk with nomegestrol- and chlormadinone-containing [medicines](#)

Institute for Safe Medication Practices (ISMP) USA

Medication Safety Alert! [October 7, 2021](#)

- Mix-Ups Between the Influenza (Flu) Vaccine and COVID-19 Vaccines – feature article [link](#)
- Worth repeating... NUCALA vial is overfilled for ease of reconstitution
- TRULICITY pen should never be primed
- COVID-19 revaccination for refugees or immigrants
- Acute Care Action [Agenda](#) (July – September 2021)

Medicines and Healthcare products Regulatory Agency (MHRA) UK

- Amiodarone Hydrochloride 50 mg/ml Concentrate for Solution for Injection/Infusion - Potential for crystallization - [link](#) – Sanofi's Quality and Regulatory departments are aware of the issue and have confirmed that it does not affect Australia and New Zealand (Sanofi email received 1/10/21)

MIMS monthly updates, [October 2021](#)

- New Contraindications
- Fluticasone propionate/salmeterol (xinafoate) (Pavtide, Seretide Accuhaler) and salmeterol (xinafoate) (Serevent Accuhaler) now contraindicated in patients with severe milk protein allergy
- Naproxen (Phebra Naproxen Suspension) now contraindicated during third trimester of pregnancy
- Obeticholic acid (Ocaliva) now contraindicated in patients with decompensated cirrhosis (e.g. Child-Pugh Class B or C) or a prior decompensation event
- Triptorelin (embonate) (Diphereline) now contraindicated in pregnancy and during lactation

PAPERS OF INTEREST

American Journal of Health-System Pharmacy (AJHP)

- P5 — the compound interest formula for professional development - [link](#)
- Workforce planning and safe workload in sterile compounding hospital pharmacy services - [link](#)
- The pathophysiology of sepsis—2021 update: Part 1, immunology and coagulopathy leading to endothelial injury - [link](#)
- Decluttering the problem list in electronic health records - [link](#)
- Efficacy of standard- vs reduced-dose insulin for treatment of hyperkalemia: A quasi-[experiment](#)
- Improving pediatric pharmacy services in a primarily adult emergency department - [link](#)

Annals of Internal Medicine

- Adding a New Medication Versus Maximizing Dose to Intensify Hypertension Treatment in Older Adults. A Prospective Observational Study - [link](#) - [editorial](#)
- The Safety and Immunologic Effectiveness of the Live Varicella-Zoster Vaccine in Patients Receiving Tumor Necrosis Factor Inhibitor Therapy: A Randomized Controlled Trial - [link](#)

Australian Health Review

- Inappropriate antibiotic prescribing: understanding clinicians' perceptions to enable changes in prescribing practices - [link](#)

Australasian Psychiatry

- The development of National Safety and Quality Digital Mental Health Standards - [link](#)

British Journal of Clinical Pharmacology

- Stratifying patients for polypharmacy interventions: The case for a new biomarker? - [link](#)
- Tramadol versus Codeine and the Short-term Risk of Cardiovascular Events in Patients with Non-Cancer Pain: A Population-Based Cohort Study - [link](#)
- Hundred years since insulin discovery: An update on current and future perspectives for pharmacotherapy of Diabetes Mellitus - [link](#)

British Journal of General Practice

- Prescribing of long-term antibiotics to adolescents in primary care: a retrospective cohort study - [link](#)

British Medical Journal (BMJ)

- Use of menopausal hormone therapy and risk of dementia: nested case-control studies using QResearch and CPRD databases - [link](#)
- Treatments for poorly controlled asthma - [link](#)

BMJ Open

- Outpatient parenteral antimicrobial therapy (OPAT) versus inpatient care in the UK: a health economic assessment for six key diagnoses - [link](#)
- Pre-admission interventions (prehabilitation) to improve outcome after major elective surgery: a systematic review and meta-analysis - [link](#)

BMJ Quality and Safety

- Cost-effectiveness of a quality improvement project, including simulation-based training, on reducing door-to-needle times in stroke thrombolysis - [link](#)

Circulation

- Diagnosis and Management of Patients with Myocardial Injury after Noncardiac Surgery: A Scientific Statement from the American Heart Association - [link](#)

Cochrane

- Mass drug administration for malaria - [link](#)
- Antithrombotic therapy for ambulatory patients with multiple myeloma receiving immunomodulatory agents - [link](#)
- Palliative care interventions in advanced dementia - [link](#)

Diabetes Care

- The Effect of Discontinuing Continuous Glucose Monitoring in Adults with Type 2 Diabetes Treated with Basal Insulin - [link](#)
- Kidney Outcomes Associated With SGLT2 Inhibitors Versus Other Glucose-Lowering Drugs in Real-world Clinical Practice: The Japan Chronic Kidney Disease Database – [link](#)
- The Management of Type 1 Diabetes in Adults. A Consensus Report by the American Diabetes Association (ADA) and the European Association for the Study of Diabetes (EASD) - [link](#)

European Journal of Hospital Pharmacy

- Evaluation of amikacin dosing schedule in critically ill elderly patients with different stages of renal dysfunction - [link](#)

JAMA

- Association of Epidural Analgesia during Labor and Delivery with Autism Spectrum Disorder in Offspring - [link](#) - ... in Children - [link](#)
- Aspirin Use to Prevent Preeclampsia and Related Morbidity and Mortality. Updated Evidence Report and Systematic Review for the US Preventive Services Task Force - [link](#)
- Effect of Vasopressin and Methylprednisolone vs Placebo on Return of Spontaneous Circulation in Patients with In-Hospital Cardiac Arrest: A Randomized Clinical Trial – [link](#)

JAMA Cardiology

- Sex Differences among Patients with High Risk Receiving Ticagrelor With or Without Aspirin After Percutaneous Coronary Intervention: A Subgroup Analysis of the TWILIGHT Randomized Clinical Trial - [link](#)

JAMA Dermatology

- Clinicopathologic Characteristics and Response to Treatment of Persistent Chemotherapy-Induced Alopecia in Breast Cancer Survivors - [link](#)
- Case report: Improvement of Chronic Kidney Disease–Associated Pruritus after Treatment with Intravenous Naloxone - [link](#)

JAMA Internal Medicine

- Association of Statin Therapy Initiation with Diabetes Progression. A Retrospective Matched-Cohort Study - [link](#)

JAMA Neurology

- Association of Enzyme-Inducing Antiseizure Drug Use with Long-term Cardiovascular Disease - [link](#)

JAMA Oncology

- Association Between Overall Survival and the Tendency for Cancer Programs to Administer Neoadjuvant Chemotherapy for Patients with Advanced Ovarian Cancer - [link](#)
- Geriatric Assessment–Driven Intervention (GAIN) on Chemotherapy-Related Toxic Effects in Older Adults with Cancer: A Randomized Clinical Trial - [link](#)

Journal of Pharmacy Practice and Research (JPPR)

- Sublingual buprenorphine for acute postoperative cancer pain: a retrospective study - [link](#)
- Text automation tool to improve pharmacist productivity and work capacity in a digital hospital: a pilot study - [link](#)

Lancet

- Hypertrophic cardiomyopathy: a practical approach to guideline directed management - [link](#)
- Obesity management as a primary treatment goal for type 2 diabetes: time to reframe the conversation - [link](#)

Lancet Diabetes & Endocrinology

- Obesity in people living with type 1 diabetes - [link](#)

Molecular Diversity Preservation International (MDPI) – Pharmacy Journal

- The Challenge of Medication-Induced Dry Mouth in Residential Aged Care - [link](#)

National Institute for Health Research (NIHR) Signals

- Advice by mail is as effective as targeted interventions at preventing fall-related injuries in older people - [link](#)

New England Journal of Medicine

- Maintenance or Discontinuation of Antidepressants in Primary Care - [link](#)
- Ozanimod as Induction and Maintenance Therapy for Ulcerative Colitis - [link](#)
- Newer Biologic and Small-Molecule Therapies for Inflammatory Bowel Disease - [link](#)
- Review [Article](#): Autoimmune Hemolytic Anemias
- [Clinical Problem-Solving](#): Hard to Swallow
- [Perspective](#): Methods of Public Health Research — Strengthening Causal Inference from Observational Data

Obstetrics and Gynecology

- Pain Management Video Reduces Opioid Use After Cesarean Delivery - [link](#)

Pediatrics

- Reducing Benzodiazepine Exposure by Instituting a Guideline for Dexmedetomidine Usage in the NICU - [link](#)

- Topical Nasal Decongestant Oxymetazoline: Safety Considerations for Perioperative Pediatric [Use](#)
- Pediatric Fatalities Associated with Over-the-Counter Cough and Cold Medications - [link](#) - [comment](#)

Pharmacotherapy

- Comparing Newborn Outcomes after Prenatal Exposure to Individual Antidepressants: a retrospective cohort study - [link](#)
- Optimizing Anticoagulation for Patients Receiving Impella Support - [link](#)

Prescribe International Issue 230 [October 2021](#) includes:

- Bulevirtide (Hepcludex^o) & chronic hepatitis D: no evidence of efficacy based on clinical endpoints
- Multidrug-resistant pulmonary tuberculosis and [delamanid](#): no demonstrated clinical benefit
- Oral tramadol: children still being exposed to the risk of overdose
- Titanium dioxide: is it carcinogenic in humans?

Public Library of Science (PLOS)

- Fatal opioid overdoses during and shortly after hospital admissions in England: A case-crossover study - [link](#)
- The effects of an evidence- and theory-informed feedback intervention on opioid prescribing for non-cancer pain in primary care: A controlled interrupted time series analysis - [link](#)

Thorax

- Epinephrine (adrenaline) compared to selective beta-2-agonist in adults or children with acute asthma: a systematic review and meta-analysis - [link](#)
- Infections due to dysregulated immunity: an emerging complication of cancer immunotherapy - [link](#)

TAG Mail – 30 September 2021

COVID-19 RESOURCES & ARTICLES OF INTEREST

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

AUSTRALIAN

ACI

- Pandemic Kindness Movement - [link](#)

AUSCMI

- 2022 will be better: COVID-19 pandemic tradeoffs modelling - [link](#), associated modelling [report](#)

Australian Government Department of Health

- COVID-19 Australia: Epidemiology Report 50: Reporting period ending 12 September 2021 - [link](#)
- ATAGI update following weekly COVID-19 meeting - 22 September 2021 - [link](#)
- ATAGI statement about the need for additional doses of COVID-19 vaccines - [link](#)
- ATAGI guidance (updated):
 - Clinical guidance on COVID-19 vaccine in Australia in 2021 - [link](#)
 - Shared decision making guide for people with immunocompromise - [link](#)
 - Provider guide to COVID-19 vaccination of people with immunocompromise - [link](#)
- COVID-19 vaccination (recently updated):
 - Australian COVID-19 Vaccination Policy - [link](#)
 - Primary care approach to TTS after COVID-19 AstraZeneca vaccine - [link](#)
 - Information for Immunisation Providers on TTS following COVID-19 vaccination - [link](#)
 - Guidance on Myocarditis and Pericarditis after mRNA COVID-19 vaccines - [link](#)
- Shared decision-making guides (updated 23/9/21):
 - For people receiving palliative care or end-of-life care - [link](#)
 - For frail older people, including those in residential aged care facilities - [link](#)
 - For women who are pregnant, breastfeeding or planning pregnancy - [link](#)
- COVID-19 vaccination – Provider resources - [link](#)
- Coronavirus (COVID-19) – Information about the [Novavax](#) vaccine for COVID-19

CEC

- COVID-19 Keeping Safe in the Workplace (tea rooms, shared spaces etc.) [posters & resources](#)

Cochrane

- Cochrane Convenes—inaugural online event hosted by Cochrane, sponsored by WHO, and co-organised with COVID-END (COVID-19 Evidence Network to support Decision-making). Drawing on experiences of the COVID-19 pandemic, the inaugural Cochrane Convenes will bring together leaders across the world to explore and then recommend the changes needed in evidence synthesis to prepare for and respond to future global health emergencies. Register for the October 14 public plenary session [here](#).

National COVID-19 Clinical Evidence [Taskforce](#)

- [Updates](#) to the Living Treatment Guideline

- New treatment recommendations for pregnant and breastfeeding women (sotrovimab), casirivimab plus imdevimab, magnesium sulfate, budesonide
- New: conditional recommendation for casirivimab plus imdevimab (REGEN-COV) for post-exposure prophylaxis
- Taskforce and member organisations highlight ivermectin recommendation (reiterating to use only in the context of randomised trials with appropriate ethical approval)

NSW Health

- SOP for administration of COVID-19 vaccines in NSW vaccination clinics - [PD2021_036](#) (28/9/21)

- COVID-19 Weekly Surveillance in NSW - Epidemiological week 37, ending 18 September 2021 - [link](#)

NSW Health Critical Intelligence Unit

- [COVID-19 Monitor](#) 23 Sep 2021: COVID-19 vaccines, cases, hospitalisations, deaths and variants

- Risk Monitoring [Dashboard](#) 29 Sep 2021

- Living Evidence:

- COVID-19 vaccines. Last updated 27 Sep 2021- [link](#)
- SARS-CoV-2 variants. Last updated 27 Sep 2021– [link](#)
- Risk mitigation strategies and levers. Last updated 28 Sep 2021 - [link](#)

Evidence checks:

- Treatment for COVID-19 in [pregnant](#) people (29 Sep 2021)
- Period of [isolation](#) relevant to vaccination status (29 Sep 2021)
- COVID-19 [vaccines](#) in Australia - AstraZeneca and Pfizer (updated 24 Sep 2021)

NPS MedicineWise

- Australian Prescriber: [Sotrovimab](#) for COVID-19

TGA

- COVID-19 vaccine weekly safety report - 23-09-2021 - [link](#)

- COVID-19 rapid antigen point-of-care and self-tests - [link](#) - [link](#)

- Labels for COVID-19 treatments - [link](#)

- TGA grants [provisional determination](#) to COVID-19 treatment tocilizumab (Actemra) - [link](#)

- Shortages of tocilizumab (Actemra) medicines (updated clinical joint statement with the Australian Rheumatology Association and Arthritis Australia) - [link](#)

INTERNATIONAL

WHO

- Weekly epidemiological update on COVID-19 (21 Sep 2021) - [link](#)

- Weekly operational update on COVID-19 (28 Sep 2021) - [link](#)

- Therapeutics and COVID-19: living guideline - [link](#)

- Neglected tropical diseases: impact of COVID-19 and WHO's response - 2021 [update](#)

- COVID-19 vaccine tracker and landscape (updated 24/09/21) - [link](#)

- Science in 5: Episode #[54](#) Mixed and fractional vaccine doses, Episode #[55](#): keeping schools safe

- [GO VIRAL!](#) A game to protect against COVID-19 misinformation

Europe

EMA

- EMA evaluating data on booster dose of COVID-19 vaccine Spikevax - [link](#)

UK

-eMC

-- Revised SPC: COVID-19 Vaccine ([BioNTech](#)-Pfizer) extension of shelf life from 6 months to 9 months at -80°C to -60°C

-MHRA

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

-Specialist Pharmacy Services NHS UK

-- Dosing information for COVID-19 booster vaccination - [link](#)

USA

-American Society of Health-System Pharmacists (ASHP)

-- ASHP discussion forum ([Sign up](#) for free) recent topics of discussion include: Pregnant Hospitalized Patients and Monoclonal Antibodies; Sotrovimab; Vaccine Adverse Event Reporting System for Breakthrough COVID Cases; Remdesivir for Outpatient Use

-Centers for Disease Control and Prevention (CDC)

-- Morbidity and Mortality Weekly Report (MMWR)

--- Safety Monitoring of an Additional Dose of COVID-19 Vaccine - US, Aug12-Sep19, 2021 - [link](#)

--- Decreased incidence of infections caused by pathogens transmitted commonly through food during COVID-19 Pandemic - Foodborne Diseases Active Surveillance Network, 10 US Sites, 2017–[2020](#)

--- Use of Pfizer-BioNTech COVID-19 Vaccine in Persons Aged ≥16 Years: Recommendations of the Advisory Committee on Immunization Practices - US, Sep 2021 - [link](#)

--- Pediatric COVID-19 cases in counties with & without school mask requirements - US Jul1–Sep4, 2021 - [link](#)

-FDA

-- [Podcast](#): COVID-19 Vaccine Boosters and COVID-19 Vaccines for Kids

JOURNAL ARTICLES

Aging

- Efficacy and safety of current medications for treating severe and non-severe COVID-19 patients: an updated network meta-analysis of randomized placebo-controlled trials - [link](#)

Archives of Disease in Childhood

- [Editorial](#): Clinical ethics: consent for vaccination in children

American Journal of Emergency Medicine

- Pulmonary embolism & COVID-19: comparative analysis of different diagnostic models performance - [link](#)

American Journal of Hypertension

- Effects of Renin–Angiotensin–Aldosterone Inhibitors on Early Outcomes of Hypertensive COVID-19 Patients: A Randomized Triple-Blind Clinical Trial - [link](#)

Blood Advances

- Heparin-induced Thrombocytopenia in Patients with Coronavirus Disease 2019: Systematic Review and Meta-analysis - [link](#)

BioMed Research International

Improved COVID-19 Outcomes following Statin Therapy: Updated Systematic Review & Meta-analysis - [link](#)

BMJ

- Practice: A living WHO guideline on drugs for COVID-19 - [link](#)

- WHO recommends antibody treatment (casirivimab and imdevimab) for COVID patients at high risk of hospital admission and for severely ill patients who have no natural antibodies to COVID-19 - [link](#)

- [Editorial](#): Covid-19 vaccination - evidence of waning immunity is overstated

- Antibody & cellular therapies for treatment of COVID-19: living systematic review & network meta-analysis - [link](#)

BMJ Journal of Investigative Medicine

- Serum magnesium levels in hospitalized patients with SARS-CoV-2 - [link](#)

British Journal of Clinical Pharmacology

- Combination therapies for COVID-19: an overview of the clinical trials landscape - [link](#)

Clinical Infectious Diseases

- Safety and immunogenicity of a recombinant adenovirus type-5-vectored COVID-19 vaccine with a homologous prime-boost regimen in healthy participants aged 6 years and above: a randomised, double-blind, placebo-controlled, phase 2b trial - [link](#)

Cochrane

- De-implementation of low-value health care: resource prioritization in the COVID-19 pandemic [era](#)

European Heart Journal

- Predictors of mortality in thrombotic thrombocytopenia after adenoviral COVID-19 vaccination: the FAPIC score - [link](#)

Expert Review of Respiratory Medicine

- Effects of different corticosteroid therapy on severe COVID-19 patients: a meta-analysis of randomized controlled trials - [link](#)

Humanities & Social Sciences Communications

- [Comment](#): Learning from the past & present: social science implications for COVID-19 immunity-based documentation

International Journal of Clinical Practice

- Venous thromboembolism is linked to severity of disease in COVID-19 patients: A systematic literature review and exploratory meta-analysis - [link](#)

JAMA

- Trajectory of COVID-19 Vaccine Hesitancy Over Time and Association of Initial Vaccine Hesitancy with Subsequent Vaccination - [link](#)

- Clinical Characteristics of Multisystem Inflammatory Syndrome in Adults. A Systematic [Review](#)

- Characteristics and Outcomes of Patients With Cerebral Venous Sinus Thrombosis in SARS-CoV-2 Vaccine-Induced Immune Thrombotic Thrombocytopenia - [link](#)

Journal of Investigative Medicine

- Tocilizumab in patients hospitalized with COVID-19 pneumonia: systematic review and meta-analysis of randomized controlled trials - [link](#)

Lancet

- Booster shots for COVID-19 - the debate continues - [link](#)

- Infections, hospitalisations, and deaths averted via a nationwide vaccination campaign using the Pfizer-BioNTech BNT162b2 mRNA COVID-19 vaccine in Israel: a retrospective surveillance [study](#), associated [commentary](#)

medRxiv pre-prints

- Modeling the transmission of the SARS-CoV-2 delta variant in a partially vaccinated population - [link](#)

- Age-Specific Changes in Virulence Associated with SARS-CoV-2 Variants of Concern - [link](#)

- Evaluation Of A New "All In One" Sars-Cov-2 Antigen-Detecting Rapid Diagnostic Test And Self-Test: Diagnostic Performance And Usability On Child And Adult Population - [link](#)

- Neutralizing efficacy of vaccines against the SARS-CoV-2 Mu variant - [link](#)

- Risk factors associated with development and persistence of long COVID - [link](#)

- Comparative single-dose mRNA and ChAdOx1 vaccine effectiveness against SARS-CoV-2, including early variants of concern: a test-negative design, British Columbia, Canada - [link](#)

- Viral loads & profile of patients infected with SARS-CoV-2 Delta, Alpha or R.1 variants in Tokyo - [link](#)

- Effectiveness of COVID-19 vaccines against SARS-CoV-2 variants of concern: a systematic review and meta-analysis - [link](#)

- Four SARS-CoV-2 vaccines induce quantitatively different antibody responses against SARS-CoV-2 variants - [link](#)

- COVID-19 L·OVE repository is highly comprehensive and can be used as a single source for covid-19 studies - [link](#)

- Effectiveness of the mRNA BNT162b2 vaccine against SARS-CoV-2 severe infections in the Israeli over 60 population: a temporal analysis done by using the national surveillance data - [link](#)
- Changes in dispensing of medicines proposed for re-purposing in the first year of the COVID-19 pandemic in Australia - [link](#)

Nature BMT

- [Correspondence](#): Antibody responses to SARS-CoV2 vaccination in allogeneic hematopoietic stem cell transplant recipients

Nature Communications

- SARS-CoV-2 mucosal antibody development and persistence and their relation to viral load and COVID-19 symptoms - [link](#)

Nature Scientific reports

- An international comparison of age and sex dependency of COVID-19 deaths in 2020: a descriptive analysis - [link](#)
- Factors associated with the difference between the incidence and case-fatality ratio of coronavirus disease 2019 by country - [link](#)
- Impact of smoking, COPD and comorbidities on the mortality of COVID-19 patients - [link](#)
- Comparison of the impact of chronic corticosteroid therapy on critical care outcomes of COVID-19 patients with and without history of chronic liver disease - [link](#)

NEJM

- In Gratitude for mRNA Vaccines - [link](#)
- [Correspondence](#): Saliva or Nasopharyngeal Swab Specimens for Detection of SARS-CoV-2
- Safety and Efficacy of NVX-CoV2373 Covid-19 Vaccine - [link](#)
- Phase 3 Safety and Efficacy of AZD1222 (ChAdOx1 nCoV-19) Covid-19 Vaccine - [link](#)
- Subcutaneous REGEN-COV Antibody Combination to Prevent Covid-19 - [link](#)
- REGEN-COV Antibody Combination and Outcomes in Outpatients with Covid-19 - [link](#)
- [Audio Interview](#): Vaccine Efficacy and Boosters in Covid-19

Pharmacotherapy

- Beneficial and Harmful Outcomes of Tocilizumab in Severe COVID-19: A Systematic Review and Meta-Analysis - [link](#)

QJM: An International Journal of Medicine

- Efficacy and safety of ivermectin for the treatment of COVID-19: [systematic review and meta-analysis](#)

Vaccines

- Safety and Efficacy of COVID-19 Vaccines: A Systematic Review and Meta-Analysis of Different Vaccines at Phase 3 - [link](#)

REPORTS AND PUBLICATIONS – AUSTRALIA

Australian Government Department of Health

- National Aged Care Mandatory Quality Indicator Program Manual - [link](#) – [Part B](#)

Australian Institute for Health and Welfare (AIHW)

- Aboriginal and Torres Strait Islander specific primary health care: results from the nKPI and OSR collections - [link](#)
- GEN Aged Care Data: Residential Aged Care Quality Indicators April to June 2021 - [link](#)
- Alcohol, tobacco & other drugs in Australia - [link](#)
- Impacts of COVID-19 on Medicare Benefits Scheme and Pharmaceutical Benefits Scheme: quarterly data - [link](#)
- Serving and ex-serving Australian Defence Force members who have served since 1985: suicide monitoring 2001 to 2019 - [link](#)
- Heart, stroke and vascular disease—Australian [facts](#)

TGA

- AusPARs:
 - [Fostemsavir trometamol](#) (Rukobia) indicated in combination with other antiretroviral agents for the treatment of heavily treatment-experienced adults with multidrug-resistant human immunodeficiency virus-1 (HIV-1) infection for whom it is otherwise not possible to construct a suppressive antiviral regimen due to resistance, intolerance or safety considerations
- Australian prescription medicine decision summaries:
 - [amifampridine](#) (Ruzurgi) for Lambert-Eaton myasthenic syndrome (LEMS) in adults and children aged 6 years and above

Victorian Institute of Forensic Medicine

- Clinical Communiqué Volume 8. Issue 3. September 2021 - [link](#)

REPORTS AND PUBLICATIONS – INTERNATIONAL

British National Formulary (BNF) newsletter – [September 2021](#)

- New monographs (BNF): opium, fedratinib
- New monographs (BNF for children): ixekizumab
- New monographs (BNF and BNF for Children): risdiplam, fenfluramine

electronic Medicines Compendium (eMC) (UK)

- New products
 - [Acarizax 12 SQ-HDM](#) (standardised allergen extract from house dust mites) – for adults and adolescents with persistent moderate to severe house dust mite allergic (HDMA) rhinitis despite use of symptom-relieving medication and with HDMA asthma not well controlled by inhaled corticosteroids
 - [Bijuve](#) 1mg/100mg (estradiol, progesterone) - oral continuous combined hormone replacement therapy (HRT) product licensed for the treatment of estrogen deficiency symptoms in postmenopausal women with an intact uterus and with at least 12 months since their last menses
 - [Itulazax 12 SQ-Bet](#) (standardised allergen extract of pollen from white birch [*Betula verrucosa*]) – for adults with moderate-severe allergic rhinitis and/or conjunctivitis induced by pollen from birch homologous group (BMG) and clinical history of symptoms despite use of symptom-relieving medication and a positive test of sensitisation to a member of BMG
 - Klisyri ([tirbanibulin](#)) ointment for nonhyperkeratotic actinic keratosis of the face or scalp
 - Xeljanz ([tofacitinib](#)) – 11 mg prolonged release tablets now licensed (in addition to the 5 mg and 10 mg immediate release formulations) for use in psoriatic arthritis in patients with an inadequate response or intolerance to DMARDs.

Food and Drug Administration (FDA) USA

- New Drug approvals
 - evolocumab ([Repatha](#)) in patients aged 10 and older with familial hypercholesterolemia
 - ruxolitinib topical ([Opzelura](#)) first topical JAK inhibitor for atopic dermatitis in adolescents and adults

Health Canada

- [Health Product InfoWatch, September 2021](#), health products mentioned in this issue:
 - Comirnaty (Pfizer-BioNTech COVID-19 Vaccine)
 - Fluoroquinolones
 - Losartan
 - pms-PROGESTERONE
 - Spikevax (COVID-19 Vaccine Moderna)
 - Vaxzevria (AstraZeneca COVID-19 Vaccine)
 - Veklury (remdesivir)
 - Ivermectin
 - Unauthorized health products

Pharmaceutical Journal

- Pharmacy guide to joint pain: [case studies](#)

MEDICATION SAFETY

British National Formulary (BNF) newsletter – [September 2021](#)

- MHRA advice on: chloramphenicol eye drops containing borax or boric acid buffers, oral retinoid medicines, and venetoclax

electronic Medicines Compendium (eMC) (UK)

- Revised SPCs

- Ationdo ([tapentadol](#)) – neonatal withdrawal syndrome (NOWS), can be experienced by newborns post long term maternal exposure to tapentadol, life threatening if not recognised, antidote ready.
- Aubagio ([teriflunomide](#)) licence extension covering use in paediatric patients aged 10 years and older with relapsing remitting multiple sclerosis.
- Audavate ([betamethasone](#)) updated with risks/characteristics of topical steroid withdrawal reactions
- Betacap ([betamethasone valerate](#)) - warns that long term continuous or inappropriate use of topical steroids can result in development of rebound flares after stopping treatment (topical steroid withdrawal syndrome) which takes the form of a dermatitis with intense redness, stinging and burning.
- Lemtrada ([alemtuzumab](#)) - sarcoidosis added as an adverse drug reaction (frequency uncommon). SPC advises that patients who develop autoimmunity should be assessed for other autoimmune mediated conditions and be made aware of potential later onset of autoimmune disorders.
- Plavix ([clopidogrel](#)) - 600mg loading dose is not recommended in patients with non-ST segment elevation acute coronary syndrome and ≥75 years of age due to increased bleeding risk. Also advises that in patients on clopidogrel, it might take longer than usual to stop bleeding.
- [Rifadin](#) (rifampicin), Rifater (isoniazid, rifampicin, pyrazinamide), Rifinah (isoniazid, rifampicin) - paradoxical drug reactions (frequency common), where worsening of symptoms may be noted after initial improvement, not usually indicating treatment failure so continuation recommended.
- Tecentriq ([atezolizumab](#)) - non-infective cystitis added as adverse drug reaction (unknown frequency). Advice to monitor for signs and symptoms of all immune-related adverse reactions and based on severity, manage with treatment modifications and corticosteroids as clinically indicated.

Medicines and Healthcare products Regulatory Agency (MHRA) UK

- Amiodarone Hydrochloride 50 mg/ml Concentrate for Solution for Injection/Infusion - Potential for crystallisation – Sanofi's Cordarone X product available in Australia same as UK product - [link](#)
- Issue: Reports have been received of visible crystals of amiodarone hydrochloride within the solution of a small number of ampoules of (UK) marketed product.
- Advice: "Before use, the sterile concentrate should be visually inspected for clarity, particulate matter, discolouration and the integrity of the container. The solution should only be used if it is clear and the container is undamaged and intact".

Medsafe (New Zealand Medicines and Medical Devices Safety Authority)

- Proposed warning and advisory statements relating to the harm of long-term use and overuse of stimulant laxatives - [link](#)

Specialist Pharmacy Services NHS UK

- Safety of topical medicines in porphyria - [link](#)

PAPERS OF INTEREST

American Journal of Health-System Pharmacy (AJHP)

- Loop diuretic use following fluid resuscitation in the critically ill - [link](#)
- The role of a pharmacy residency program in global health: Establishing pediatric clinical pharmacy services in a Malawian hospital - [link](#)
- Initiation of buprenorphine for opioid use disorder in the hospital setting: Practice models, challenges, and legal considerations - [link](#)

American Journal of Psychiatry

- Efficacy and Safety of Lumateperone for Major Depressive Episodes Associated With Bipolar I or Bipolar II Disorder: A Phase 3 Randomized Placebo-Controlled Trial - [link](#)

Annals of Internal Medicine

- Sodium–Glucose Cotransporter-2 Inhibitors Versus Glucagon-like Peptide-1 Receptor Agonists and the Risk for Cardiovascular Outcomes in Routine Care Patients With Diabetes Across Categories of Cardiovascular Disease - [link](#)

Arthritis & Rheumatology

- Effect of atorvastatin on knee cartilage volume in patients with symptomatic knee osteoarthritis: Results from a Randomized Placebo-Controlled Trial - [link](#)

British Journal of Clinical Pharmacology

- Comparison of a polypharmacy-based scale with Charlson comorbidity index to predict 6-month mortality in chronic complex patients after an ED visit - [link](#)
- Free of charge medicine schemes in the NHS. A local and regional Drug and Therapeutic Committees (DTC) experience - [link](#)
- Impact of deprivation, dementia prevalence and regional demography on prescribing of antedementia drugs in England: A time trend analysis - [link](#)
- The effect of aging on infliximab exposure & response in patients with inflammatory bowel [diseases](#)
- Infliximab use in the Netherlands: Uptake and characteristics of originator and biosimilars over [time](#)
- Evaluation of published population pharmacokinetic models to inform tacrolimus dosing in adult heart transplant recipients - [link](#)

British Medical Journal (BMJ)

- Use of metformin to prolong gestation in preterm pre-eclampsia: randomised, double blind, placebo controlled trial - [link](#)

BMJ Open

- mTOR inhibitors and risk of ovarian cysts: a systematic review and meta-analysis - [link](#)
- Association of antenatal corticosteroids with morbidity and mortality among preterm multiple gestations: meta-analysis of observational studies - [link](#)
- Associations of statin adherence and lipid targets with adverse outcomes in myocardial infarction survivors: A retrospective cohort study - [link](#)

BMJ Quality and Safety

- [Editorial](#): Challenge of optimising medication in people with severe mental illness
- [Editorial](#): Starting off on the right foot: providing timely feedback to learners in quality improvement education

Cochrane

- Sulthiame monotherapy for epilepsy - [link](#)

Drug and Therapeutics Bulletin

- Challenges of de-labelling penicillin allergy - [link](#)

European Journal of Hospital Pharmacy

- Acute onset psychosis with complex neurobehavioural symptomatology following the intramuscular injection of hyoscine butylbromide: a case report with an overview of the literature - [link](#)

Internal Medicine Journal

- Use of continuous subcutaneous insulin infusion versus multiple daily injections in emerging adults with type 1 diabetes is associated with better clinical engagement but not glycaemic control - [link](#)

International Journal of Clinical Pharmacy

- Descriptive analysis of reported adverse events associated with anti-obesity medications using FDA Adverse Event Reporting System (FAERS) databases 2013–2020 - [link](#)
- Commentary: how person-centred is pharmaceutical care? - [link](#)
- Patient values and preferences on polypharmacy and deprescribing: a scoping review - [link](#)

JAMA

- A Middle Ground for Accelerated Drug Approval—Lessons from Aducanumab - [link](#)

JAMA Cardiology

- Editor's note: Transforming the Paradigm for Lipid Lowering - [link](#)

JAMA Neurology

- [Editorial](#): Methylphenidate for Apathy in Alzheimer Disease—Why Should We Care?

JAMA Oncology

- Final Overall Survival Efficacy Results of Ivosidenib for Patients with Advanced Cholangiocarcinoma With IDH1 Mutation: The Phase 3 Randomized Clinical ClarIDHy Trial - [link](#)
- [Research letter](#): Utility of Liver Biopsy in Diagnosis and Management of High-grade Immune Checkpoint Inhibitor Hepatitis in Patients with Cancer

Journal of Clinical Oncology

- Toxicity Index, Patient-Reported Outcomes, and Early Discontinuation of Endocrine Therapy for Breast Cancer Risk Reduction in NRG Oncology/NSABP B-35 - [link](#)

Journal of Palliative Medicine

- Application of Topical Lidocaine for Pain Relief in the Setting of Targeted Therapy-Induced Onycholysis: A Case Report - [link](#)

Journal of Patient Safety

- Prescribing Errors With Low-Molecular-Weight Heparins - [link](#)
- Medication Errors at Hospital Admission and Discharge: Risk Factors and Impact of Medication Reconciliation Process to Improve Healthcare – [link](#)
- High-Alert Medication Stratification Tool-Revised: An Exploratory Study of an Objective, Standardized Medication Safety Tool - [link](#)

Lancet

- Antibiotics for lower respiratory tract infection in children presenting in primary care in England (ARTIC PC): a double-blind, randomised, placebo-controlled trial - [link](#)
- [Seminar](#): Head and neck cancer

Lancet Global Health

- Estimated effect of increased diagnosis, treatment, and control of diabetes and its associated cardiovascular risk factors among low-income and middle-income countries: a microsimulation [model](#)

Lancet Public Health

- Tracking progress on health and climate change in Europe - [link](#)

Molecular Diversity Preservation International (MDPI) – Pharmacy Journal

- Use of the Professional Fulfillment Index in Pharmacists: A Confirmatory Factor Analysis - [link](#)
- Development of a Vertically Integrated Pharmacy Degree - [link](#)

New England Journal of Medicine

- Overall Survival Benefit with Tebentafusp in Metastatic Uveal Melanoma - [link](#)
- Perspectives on the Treatment of Malignant Pleural Mesothelioma - [link](#)
- New Creatinine- and Cystatin C–Based Equations to Estimate GFR without Race - [link](#)
- Race, Genetic Ancestry, and Estimating Kidney Function in CKD - [link](#) - [editorial](#)
- Maintenance or Discontinuation of Antidepressants in Primary Care - [link](#)

Pharmacotherapy

- Use of Oral Tetracyclines in the Treatment of Adult Outpatients with Skin and Skin Structure Infections: Focus on Doxycycline, Minocycline, and Omadacycline - [link](#)

Public Library of Science (PLOS)

- Relative risks of adverse events among older adults receiving opioids versus NSAIDs after hospital discharge: A nationwide cohort study - [link](#)

Thorax

- Exploring the challenges of accessing medication for patients with cystic fibrosis - [link](#)
- Projecting the impact of triple CFTR modulator therapy on intravenous antibiotic requirements in cystic fibrosis using patient registry data combined with treatment effects from randomised [trials](#)
- Self-management intervention to reduce pulmonary exacerbations by supporting treatment adherence in adults with cystic fibrosis: a randomised controlled trial - [link](#)

TAG Mail – 23 September 2021

COVID-19 RESOURCES & ARTICLES OF INTEREST

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

AUSTRALIAN

ACI

- FAQs: Information on COVID-19 for people with spinal cord injury - [link](#)

AHHA

- COVID-19 [wrap](#): what is the evidence on Long COVID? – [Deeble brief](#)

Australian Commission on Safety and Quality in Health Care

Australian Government Department of Health

- ATAGI update following weekly COVID-19 meeting – 15 September 2021 - [link](#)

Burnet Institute

- Modelling the Victorian Roadmap - [link](#)

NSW Health

- COVID-19 Weekly Surveillance in NSW - Epidemiological week 35, ending 4 September 2021 - [link](#)

- Safety Notice [022/21](#): Preparation of Pfizer COVID-19 vaccines

- Mandatory vaccination for healthcare workers - Frequently asked questions – [link](#)

NSW Health Critical Intelligence Unit

- COVID-19 Monitor [23 September 2021](#): vaccines, cases, hospitalisations, deaths & variants

- Risk Monitoring Dashboard [22 September 2021](#)

- Living Evidence:

-- COVID-19 vaccines. Last updated 20 September 2021 - [link](#)

-- SARS-CoV-2 variants. Last updated 20 September 2021 – [link](#)

-- COVID-19 transmission. Last updated 20 September 2021 - [link](#)

-- Post acute sequelae of COVID-19. Last updated 20 September 2021 [link](#)

-- Surgery and COVID-19. Last updated 13 September 2021- [link](#)

- Evidence Checks

-- COVID-19 vaccines and fertility – [link](#)

-- Furloughing staff following exposure to COVID-19 – [link](#)

-- Organisation of emergency departments during COVID-19 - [link](#)

-- COVID-19 vaccines in Australia - AstraZeneca and Pfizer (updated 16/9/21) - [link](#)

RACGP

- Mandatory COVID-19 vaccination for healthcare workers including GPs - [link](#)

TGA

- COVID-19 vaccine weekly safety report - 16-09-2021 - [link](#)

- Q&As - Conditions of supply for rapid antigen tests (20/9/21) - [link](#)

- Shortages of tocilizumab (Actemra) medicines updated 21/09/21 - [link](#)

Other

National Centre for Immunisation Research and Surveillance (NCIRS) [webinar](#): Weighing up the benefits and risks of COVID-19 vaccination: a focus on safety, Wed 13 Oct 21, 12.30-2.00pm AEDT

INTERNATIONAL

WHO

- Weekly operational update on COVID-19 (20 Sep 2021) - [link](#)

- COVID-19 vaccine tracker and landscape (21/09/21) - [link](#)

- Strengthening infection prevention and control in primary care - [link](#)

- [FAQs](#): COVID-19 vaccines and breastfeeding based on WHO interim recommendations (12/8/21)

- Considerations for COVID-19 surveillance for vulnerable populations - [link](#)

Europe

EMA

- Signal assessment report on myocarditis and pericarditis with Spikevax (Moderna) - [link](#)
- COVID-19 vaccines: EMA reviewing cases of multisystem inflammatory syndrome - [link](#)
- COVID-19: CHMP concludes Article 5(3) review on Vaxzevria - [link](#)

UK

-Department of Health and Social Care

- Interim Clinical Commissioning Policy: Casirivimab & imdevimab for hospitalised COVID-19 [patients](#)
- Direct and Indirect health impacts of COVID-19 in England - long paper, 9 September 2021 - [link](#)

-King's Fund

- Directors of public health and the Covid-19 pandemic: 'A year like no other' - [link](#)

-NHS England

- Position statement for reducing microbial risk when transporting COVID-19 vaccines in pop up, roving, and mobile models - [link](#)
- Vaccination of children aged 12 to 15 years with underlying health conditions - [link](#)

-MHRA

- Access Consortium: Alignment with ICMRA consensus on immunobridging for authorising new COVID-19 vaccines - [link](#)
- Casirivimab and imdevimab for patients hospitalised due to COVID-19 - [link](#)

-NHS England

- Letter: Covid vaccination of healthy children and young people aged 12 to 15 - [link](#)
- Letter: Immediate action required for Phase 3 booster vaccinations - [link](#)

-Office for National Statistics

- Updated estimates of the prevalence of post-acute symptoms among people with coronavirus (COVID-19) in the UK: 26 April 2020 to 1 August 2021 - [link](#)

-Public Health England

- SARS-CoV-2 variants of concern and variants under investigation in England. [Technical briefing 23](#)
- Duration of protection of COVID-19 vaccines against clinical disease, 9 September 2021 - [link](#)
- JCVI issues updated advice on COVID-19 booster vaccination - [link](#)
- Health profile for England: 2021 – includes wider impact of COVID-19 - [link](#)
- COVID-19 chapter of the green book updated - [link](#)
- Revised national protocol for COVID-19 mRNA vaccine [BNT162b2](#) (Pfizer/BioNTech) + [Comirnaty](#)

-Specialist Pharmacy Services NHS UK

- Getting ready to use casirivimab and imdevimab: guidance for Chief Pharmacists - [link](#)
- Handling casirivimab and imdevimab within Trusts - [link](#)
- Using casirivimab and imdevimab pandemic packs - [link](#)

-UK Health Security Agency

- COVID-19 vaccination: booster dose resources - [link](#)

USA

American Society of Health-System Pharmacists (ASHP)

- ASHP discussion forum ([Sign up](#) for free) recent topics of discussion include: SQ Regen-Cov; Covid19 Mab Therapy Compassionate Use Process; Pregnant Hospitalized Patients and Monoclonal Antibodies; Sotrovimab

Centers for Disease Control and Prevention (CDC)

- Science Brief: COVID-19 vaccines and Protection Against Variants (updated 15/9/21)- [link](#)
- Post-COVID Conditions (updated 16/9/21) - [link](#)
- Morbidity and Mortality Weekly Report (MMWR)

- Comparative Effectiveness of Moderna, Pfizer-BioNTech, & Janssen Vaccines in Preventing COVID-19 Hospitalizations among Adults without Immunocompromising Conditions - US, Mar–Aug 2021 - [link](#)
- Post-Acute Sequelae of SARS-CoV-2 Infection among Adults Aged ≥18 Years - Long Beach, California, April 1-Dec 10, 2020 - [link](#)
- Disaggregating data to measure racial disparities in COVID-19 outcomes & guide community response - Hawaii, Mar 1, 2020-Feb 28, 2021 - [link](#)

FDA

- FDA authorizes bamlanivimab & etesevimab monoclonal antibody therapy for post-exposure prophylaxis (prevention) for COVID-19 - [link](#)
- FDA Authorizes Booster Dose of Pfizer-BioNTech COVID-19 Vaccine for Certain Populations - [link](#)
- Enforcement Policy for Face Masks, Barrier Face Coverings, Face Shields, Surgical Masks, and Respirators During the Coronavirus Disease (COVID-19) Public Health Emergency (Revised) - [link](#)
- The Vaccines and Related Biological Products Advisory Committee [Livestream](#)
- discusses additional doses of COVID-19 vaccines and specifically administration of a third (“booster”) dose of Comirnaty in individuals 16 years of age and older.

JOURNAL ARTICLES

Ann Intern Med

- Measuring the COVID-19 Mortality Burden in the United States- [link](#)

BMJ

- Covid-19: Booster dose reduces infections and severe illness in over 60s, Israeli study reports - [link](#)
- Risk prediction of covid-19 related death and hospital admission in adults after covid-19 vaccination: national prospective cohort study- [link](#)
- [Editorial](#): Menstrual changes after covid-19 vaccination
- Best Practice Guide: COVID-19 (updated 16/09/2021) - [link](#)
- Feature: The search for antivirals for covid-19 - [link](#)
- Covid-19: How is vaccination affecting hospital admissions and deaths? - [link](#)

BMJ Quality & Safety

- Impact of COVID-19 on opioid use in those awaiting hip and knee arthroplasty: a retrospective - cohort study - [link](#)
- Covid-19: Monoclonal antibody treatment to be rolled out to hospital patients with no antibody response - [link](#)

Cochrane

- Non-pharmacological measures implemented in the setting of long-term care facilities to prevent SARS-CoV-2 infections and their consequences: a rapid [review](#)
- Special Collection: Coronavirus (COVID-19): infection control and prevention measures, [updated](#)

Diabetes Research and Clinical Practice

- Pre-admission glucagon-like peptide-1 receptor agonist (GLP-1RA) and mortality from coronavirus disease 2019 (Covid-19): A systematic review, meta-analysis, and meta-regression - [link](#)

European Heart Journal – Cardiovascular Pharmacotherapy

- Safety & efficacy of different prophylactic anticoagulation dosing regimens in critically & non-critically ill patients with COVID-19: A systematic review & meta-analysis of randomized controlled trials - [link](#)

Frontiers in Pharmacology

- A Systematic Review and a Meta-Analysis Comparing Prophylactic and Therapeutic Low Molecular Weight Heparins for Mortality Reduction in 32,688 COVID-19 Patients - [link](#)
- Favipiravir Versus Arbidol for Clinical Recovery Rate in Moderate and Severe Adult COVID-19 Patients: A Prospective, Multicenter, Open-Label, Randomized Controlled Clinical [Trial](#)

IJC Heart & Vasculature

- Atorvastatin therapy in COVID-19 adult inpatients: A double-blind, randomized controlled [trial](#)

JAMA

- Research letter: Antibody Response after a Third Dose of the mRNA-1273 SARS-CoV-2 Vaccine in Kidney Transplant Recipients with Minimal Serologic Response to 2 Doses - [link](#)

Lancet

- Safety and immunogenicity of an inactivated COVID-19 vaccine, BBIBP-CoV, in people younger than 18 years: a randomised, double-blind, controlled, phase 1/2 trial - [link](#)
- [Commentary](#): Why we may need to rethink future SARS-CoV-2 vaccination strategies
- Daily testing for contacts of individuals with SARS-CoV-2 infection and attendance and SARS-CoV-2 transmission in English secondary schools and colleges: an open-label, cluster-randomised trial - [link](#)
- [Correspondence](#): SARS-CoV-2's origin should be investigated worldwide for pandemic prevention

medRxiv

- Safety, Immunogenicity, and Efficacy of COVID-19 Vaccine in Children and Adolescents – [link](#)
- Attitudes towards vaccines and intention to vaccinate against COVID-19: Implications for public health communications in Australia - [link](#)
- Efficacy of vaccination against severe COVID-19 in relation to Delta variant and time since second dose: the REACT-SCOT case-control study - [link](#)
- What pushed Israel out of herd immunity? Modeling COVID-19 spread of Delta and Waning immunity - [link](#)
- Hospital-level work organization drives the spread of SARS-CoV-2 within hospitals: insights from a multi-ward model - [link](#)

MJA

- Adding saliva testing to oropharyngeal and deep nasal swab testing increases PCR detection of SARS-CoV-2 in primary care and children - [link](#)
- Perspective: Australian and New Zealand approach to diagnosis and management of vaccine-induced immune thrombosis and thrombocytopenia - [link](#)

Nature

- News Explainer: COVID vaccine immunity is waning - how much does that matter? - [link](#)
- News: The fight to manufacture COVID vaccines in lower-income countries - [link](#)

Nature Medicine

- Safety and immunogenicity of SARS-CoV-2 variant mRNA vaccine boosters in healthy adults: an interim analysis - [link](#)

Nature Review Genetics

- [Review](#): The biological and clinical significance of emerging SARS-CoV-2 variants

New England Journal of Medicine (NEJM)

- Safety of the BNT162b2 mRNA Covid-19 Vaccine in a Nationwide Setting - [link](#), editorial - [link](#)
- Case 28-2021: A 37-Year-Old Woman with Covid-19 and Suicidal Ideation - [link](#)
- Effectiveness of mRNA Covid-19 Vaccine among U.S. Health Care Personnel - [link](#)

Respiratory Medicine

- Outcomes of SARS-CoV-2 infection in patients with cystic fibrosis: A multicenter retrospective research network study - [link](#)

Respiratory Research

- The efficacy of corticosteroids therapy in patients with moderate to severe SARS-CoV-2 infection: a multicenter, randomized, open-label [trial](#)

REPORTS AND PUBLICATIONS – AUSTRALIA

Australian Government Department of Health

- Physical activity and sedentary behaviour guidelines – adults (18 to 64 years) – fact sheet - [link](#)

Australian Institute for Health and Welfare (AIHW)

- Dementia in Australia - [link](#)

- Australia's Welfare 2021 - [link](#)

NSW Health

- Vaccinate on time – in many languages - [link](#)
- GL2021_016: Clinical Principles for End of Life and Palliative Care - [link](#)

PBS

- Pharmacist Substitution of PBS Medicines without a Prescription during Shortages (Serious Scarcity Substitution Instrument) - [link](#)

TGA

- Nicotine vaping products: Compliance and enforcement - [link](#)
- [Database](#) of section 19A approvals to import and supply medicines to address medicine shortages
-- Updated 21 September 2021 for tocilizumab
- AusPARs:
-- [Chlormethine](#) hydrochloride topical treatment of mycosis fungoides type cutaneous T-cell lymphoma (MF-type CTCL) in adult patients – black triangle scheme
-- Sofosbuvir/velpatasvir ([Epclusa](#)) for chronic hepatitis C virus (HCV) infection (genotype 1, 2, 3, 4, 5 or 6) in adults and paediatric patients ≥ 12 years of age and weighing ≥ 30 kg
-- [burosumab](#) (Crysvita) X-linked hypophosphataemia in adults, adolescents, children age 1 or older
- Australian prescription medicine decision summaries:
-- [Inclisiran](#) (Leqvio) as an adjunct to diet and exercise to reduce low-density lipoprotein cholesterol (LDL-C) in adults with heterozygous familial hypercholesterolaemia, atherosclerotic cardiovascular disease, or at high risk of a cardiovascular event
-- [lurbinectedin](#) (Zepzelca) for metastatic small cell lung cancer (SCLC) that has progressed on or after prior platinum-containing therapy - provisional use
-- [sacituzumab govitecan](#) (Trodelvy) for adult patients with unresectable locally advanced or metastatic triple-negative breast cancer (mTNBC) who have received at least two prior systemic therapies, including at least one prior therapy for locally advanced or metastatic disease
-- [bevacizumab](#) (Abevmy) for many forms of cancer

REPORTS AND PUBLICATIONS – INTERNATIONAL

Agency for Healthcare Research and Quality (AHRQ) USA

- Pharmacologic and Nonpharmacologic Treatments for Posttraumatic Stress Disorder: An Update of the PTSD Repository Evidence Base - [link](#)
- Interventions To Decrease Hospital Length of Stay - [link](#)

Department of Health and Social Care

- Good for you, good for us, good for everybody: A plan to reduce overprescribing to make patient care better and safer, support the NHS, and reduce carbon emissions - [link](#)

electronic Medicines Compendium (eMC) (UK)

- New products
-- [Adjuvanted](#) Quadrivalent Influenza Vaccine (Surface Antigen, Inactivated) Seqirus, Adjuvanted with MF59C.1 - for prophylaxis of influenza in the elderly (65 years of age and older)
-- [Cell-based](#) Quadrivalent Influenza Vaccine (Surface Antigen, Inactivated) Seqirus - for prophylaxis of influenza in adults and children from 2 years of age
-- [Ryaltris](#) (mometasone/ olopatadine) Nasal Spray, suspension - moderate to severe nasal symptoms associated with allergic rhinitis age 12+
-- Stivarga ([regorafenib](#)) - protein kinase inhibitor licensed as monotherapy for metastatic colorectal cancer (previously treated [PT]), unresectable/metastatic gastrointestinal stromal tumours (progressed on/intolerant to imatinib & sunitinib) & hepatocellular carcinoma (PT with sorafenib)
- Xofluzza ([baloxavir](#) marboxil) - for uncomplicated influenza and post-exposure prophylaxis of influenza in patients aged 12 years and above

European Medicines Agency (EMA)

- CHMP meeting highlights, [13-16 September 2021](#)

- Positive opinions for: [Artesunate](#) Amivas for severe malaria; [diroxime](#) fumarate (Vumerity) for adults with relapsing remitting multiple sclerosis; generic sugammadex ([Mylan](#)), generic [rivaroxaban](#) (Mylan) - bioequivalence to the originator; [pralsetinib](#) (Gavreto) for RET-fusion positive non-small cell lung cancer
- Approval recommended for: adalimumab biosimilars, [Hukyndra and Libmyris](#); [ripretinib](#) (Qinlock) for advanced gastrointestinal stromal tumour; [zanubrutinib](#) (Brukinsa) for Waldenström's macroglobulinaemia
- License amendment for: [posaconazole](#) (Noxafil) in treatment of invasive aspergillosis
- License extension for: [degarelix](#) (Firmagon) in prostate cancer; ertugliflozin / metformin hydrochloride ([Segluromet](#)) and ertugliflozin (Steglatro); [filgotinib](#) (Jyseleca) for treatment of ulcerative colitis; [mepolizumab](#) (Nucala) for eosinophilic granulomatosis with polyangiitis, hypereosinophilic syndrome and chronic rhinosinusitis with nasal polyps; [nivolumab](#) (Opdivo) for gastric, gastro-oesophageal junction or oesophageal adenocarcinoma; [pembrolizumab](#) (Keytruda) for advanced triple negative breast cancer; paediatric elbasvir / grazoprevir ([Zepatier](#))
- New contraindication for: [riociguat](#) (Adempas)
- Refusal: [tanezumab](#) (Raylumis) for pain associated with osteoarthritis
- Withdrawal: [maralixibat](#) (Livmarli) for progressive familial intrahepatic cholestasis type 2; [oportuzumab](#) monatox for treatment and prevention of recurrence of cancer of the bladder and prevention of recurrence of papillary tumours; [Sildenafil FGK](#) for treatment of adult men with erectile dysfunction; [Teriparatide](#) Cinnagen for osteoporosis

Food and Drug Administration (FDA) USA

- FDA Posts an Initial Batch of Four Deemed Final Administrative Orders for [Over-the-Counter](#) Drugs
- New Drug approvals
- [ruxolitinib](#) for chronic graft-versus-host disease
- [cabozantinib](#) for differentiated thyroid cancer
- accelerated approval to [tisotumab vedotin-tftv](#) for recurrent or metastatic cervical cancer – [label-PI](#)
- accelerated approval to [mobocertinib](#) for metastatic non-small cell lung cancer with EGFR exon 20 insertion mutations – [label-PI](#)
- accelerated approval to [zanubrutinib](#) for marginal zone lymphoma
- First Biosimilar to Treat Macular Degeneration Disease & Other Eye Conditions, [ranibizumab-nuna](#)

Institute for Healthcare Improvement

- Why Compliance with Quality Measures Is Not Enough - [link](#)

Joint Commission

- New Quick Safety advisory on preventing non-ventilator hospital-acquired pneumonia - [link](#)

National Institute for Health and Clinical Excellence (NICE) UK

- Midostaurin for treating advanced systemic mastocytosis [[TA728](#)]
- Sapropterin for treating hyperphenylalaninaemia in phenylketonuria [[TA729](#)]
- Final appraisal documents:
- Berotralstat for preventing recurrent attacks of hereditary angioedema [[ID1624](#)]
- Pembrolizumab with platinum- and fluoropyrimidine-based chemotherapy for untreated advanced oesophageal and gastro-oesophageal junction cancer [[ID3741](#)]

Specialist Pharmacy Services NHS UK

- Vinblastine: Cytotoxic Drug Stability Monograph - [link](#)

The King's Fund (UK)

- Directors of public health and the Covid-19 pandemic: 'A year like no other' - [link](#)

The National Academies Press

- Financing That Rewards Better Health and Well-Being - [link](#)
- Building Data Capacity for Patient-Centered Outcomes Research: Interim Report One - Looking Ahead at Data Needs - [link](#)

World Health Organisation (WHO)

- Comprehensive Mental Health Action Plan 2013 - 2030 - [link](#)

MEDICATION SAFETY

electronic Medicines Compendium (eMC) (UK)

- Revised SPCs
- Aubagio ([teriflunomide](#)) – special warning drug induced liver injury, liver monitoring schedule, use of concomitant hepatotoxic drugs; skin reactions updated in particular DRESS
- Brolene ([propamidine](#) isethionate) contains benzalkonium chloride - may be absorbed by (and change the colour of) soft contact lenses, cause eye irritation, dry eye symptoms, affect tear film and corneal surface
- Emgality ([galcanezumab](#)) - serious hypersensitivity reactions may occur within 1 day
- Keytruda ([pembrolizumab](#)) - Non-infective cystitis added as rare adverse drug reaction
- Mucodyne ([carbocisteine](#)) syrup - excipients with known effects updated to include ethanol, amount in 5 mL of this medicine is equivalent to less than 1.7 ml beer or 0.68 ml wine, and methyl parahydroxybenzoate which may cause allergic reactions (possibly delayed)
- Revolade ([eltrombopag](#)) - dosing recommendations clarified, section on East / Southeast-Asian ancestry updated, frequency of back pain changed from 'common' to 'very common' adverse effect
- [Yacella](#) 0.03mg/3mg (ethinylestradiol/drospirenone) - exogenous oestrogens may induce or exacerbate symptoms of hereditary and acquired angioedema (unknown frequency)

EMA

- CHMP concludes assessment of presence of a nitrosamine impurity in Champix (varenicline) - [link](#)
- New safety signal for Imbruvica in combination with rituximab and ACE inhibitors being [investigated](#)
- healthcare professionals to reconsider treatment strategy, patients not to stop without consulting HP

eTG

- Antibiotic Guideline update: residence in a correctional facility included as a risk factor for methicillin-resistant *Staphylococcus aureus* (MRSA) infection - [link](#)

Food and Drug Administration (FDA) USA

- FDA Updates and Press Announcements on Nitrosamine in Varenicline (Chantix) - [link](#)
- Pfizer Expands Voluntary Nationwide Recall to include All Lots of CHANTIX (Varenicline) Tablets Due to N-Nitroso Varenicline Content - [link](#)

Health Canada – MedEffect Notice

- Sandoz Canada Inc. and Sanis Health Inc. recall multiple lots of [losartan](#) due to azido impurity
- Summary Safety Review - Gadolinium-based contrast agents - [link](#)

Institute for Safe Medication Practices (ISMP) USA

- Medication Safety Alert! [September 23, 2021](#)
- [Pharmacists' & Nurses' Role in Antimicrobial Stewardship, Antimicrobial Resistance, & Sepsis Care](#)
- Eliminate bottles of phenol 80%

Medicines and Healthcare products Regulatory Agency (MHRA) UK

- [Press release](#): Government pledges to reduce overprescribing of medicines
- Drug Safety Update [September 2021](#) includes:
- Topical corticosteroids: information on the risk of topical steroid withdrawal reactions - [link](#)

TGA

- Prescribing Medicines in [Pregnancy](#) database updates, 20 September 2021: 13 added, 2 amended
- Substitution instrument to address shortage of Imdur Durules and Monodur Durules isosorbide mononitrate 120 mg modified release tablets - [link](#)

PAPERS OF INTEREST

Am J Emerg Med

- Incidence of prescription errors in patients discharged from the emergency department - [link](#)

American Journal of Health-System Pharmacy (AJHP)

- Persistent postoperative opioid use after total hip or knee arthroplasty: A systematic review and meta-analysis - [link](#)

Annals of Internal Medicine

- U.S. Food and Drug Administration Reasoning in Approval Decisions When Efficacy Evidence Is Borderline, 2013–2018 - [link](#) - [editorial](#)

Arthritis & Rheumatology

- Myocardial Dysfunction and Heart Failure in Rheumatoid Arthritis - [link](#)
- The role of glucagon-like peptide 1 (GLP-1) in addictive disorders - [link](#)

British Journal of Clinical Pharmacology

- New-onset seizures after bamlanivimab infusion - [link](#)
- Pharmacokinetically-guided dosing to improve the efficacy of brigatinib in non-small cell lung cancer patients - [link](#)
- Procalcitonin and lung ultrasonography point-of-care testing to determine antibiotic prescription in patients with lower respiratory tract infection in primary care: pragmatic cluster randomised trial - [link](#)
- Physiologically-based pharmacokinetic model predictions of inter-ethnic differences in imatinib pharmacokinetics and dosing regimens - [link](#)

British Medical Journal (BMJ)

- Should regulatory authorities approve drugs based on surrogate endpoints? - [link](#)
- Effect of C reactive protein point-of-care testing on antibiotic prescribing for lower respiratory tract infections in nursing home residents: cluster randomised controlled trial - [link](#)

BMJ Open

- Assessing treatment effects and publication bias across different specialties in medicine: a meta-epidemiological study - [link](#)
- Level of adherence to vitamin D supplementation guidelines in an antenatal centre in Birmingham, UK, and its effect on biochemical and obstetrical outcomes: a single-centre cross-sectional [study](#)
- Route of oxytocin administration for preventing blood loss at caesarean section: a systematic review with meta-analysis - [link](#)
- Safety and effectiveness of dose-sparing strategies for intramuscular seasonal influenza vaccine: a rapid scoping review - [link](#)

BMJ Quality and Safety

- Competing risks in quality and safety research: a framework to guide choice of analysis and improve reporting - [link](#)

Canadian Journal of Health Technologies

- Newer biologics for the treatment of plaque psoriasis - [link](#)

Cochrane

- Cannabinoids for the treatment of dementia - [link](#)
- Treatments for seizures in catamenial (menstrual-related) epilepsy - [link](#)
- Lamotrigine in the maintenance treatment of bipolar disorder - [link](#)

Critical Care Medicine

- Effect of IV High-Dose Vitamin C on Mortality in Patients with Sepsis: A Systematic Review and Meta-Analysis of Randomized Controlled Trials - [link](#)

European Heart Journal

- [Review](#): Anti-interleukin-1 agents for pericarditis: a primer for cardiologists
- Cardiovascular immunotoxicities associated with immune checkpoint inhibitors: a safety meta-analysis - [link](#)
- Ciraparantag reverses the anticoagulant activity of apixaban and rivaroxaban in healthy elderly subjects - [link](#)
- Effect of evolocumab on acute arterial events across all vascular territories: results from the FOURIER trial - [link](#)

European Journal of Hospital Pharmacy

- Accuracy of an electronic prescribing system for standard treatments - [link](#)
- Switching of monoclonal antibodies against calcitonin gene-related peptide in chronic migraine in clinical practice: a case series - [link](#)
- Efficacy and safety of PD-1/PD-L1 plus CTLA-4 antibodies ± other therapies in lung cancer: a systematic review and meta-analysis - [link](#)

Heart

- Novel bleeding prediction model in atrial fibrillation patients on new oral anticoagulants - [link](#)

Internal Medicine Journal

- Position paper: Diffuse large B-cell lymphoma: A consensus practice statement from the Australasian Lymphoma Alliance - [link](#)
- Penicillin Allergy Delabeling Program: an exploratory economic evaluation in the Australian [context](#)

JAMA

- Effect of Urate-Elevating Inosine on Early Parkinson Disease Progression: The SURE-PD3 Randomized Clinical Trial - [link](#)
- Effect of Probiotics on Incident Ventilator-Associated Pneumonia in Critically Ill Patients: A Randomized Clinical Trial - [link](#)
- Comment and response: Therapeutic Drug Monitoring vs Standard Therapy during Infliximab Induction in Patients With Chronic Immune-Mediated Inflammatory Diseases - [link](#)
- [Clinical Guidelines Synopsis](#): Recommendations for Prevention and Management of Chemotherapy-Induced Peripheral Neuropathy

JAMA Cardiology

- Potential Implications of Expanded US Food and Drug Administration Labeling for Sacubitril/Valsartan in the US - [link](#) - [editorial](#)

JAMA Network Open

- Interventions to Improve Communication at Hospital Discharge and Rates of Readmission: A Systematic Review and Meta-analysis - [link](#)

JAMA Neurology

- Use and Safety of Immunotherapeutic Management of N-Methyl-d-Aspartate Receptor Antibody Encephalitis. A Meta-analysis - [link](#)

JAMA Otolaryngology–Head & Neck Surgery

- A Novel Case of Clofazimine-Induced Purple Nasal Mucosal Discoloration - [link](#)

JAMA Psychiatry

- Association of Hypothyroidism and Clinical Depression: A Systematic Review and [Meta-analysis](#)

Lancet

- Evaluation of a national smoke-free prisons policy using medication dispensing: an interrupted time-series analysis - [link](#)

Lancet Gastroenterology and Hepatology

- Non-alcoholic fatty liver disease and risk of fatal and non-fatal cardiovascular events: an updated systematic review and meta-analysis - [link](#)

Lancet HIV

- Contemporary antiretrovirals and body-mass index: a prospective study of the RESPOND cohort consortium - [link](#)

Lancet Oncology

- Extended therapy with letrozole as adjuvant treatment of postmenopausal patients with early-stage breast cancer: a multicentre, open-label, randomised, phase 3 trial - [link](#)
- Access to cancer medicines deemed essential by oncologists in 82 countries: an international, cross-sectional survey - [link](#)

National Institute for Health Research (NIHR)

- NIHR Signals: Extra emphasis on care after cancer surgery could increase survival worldwide - [link](#)

New England Journal of Medicine

- Pembrolizumab for Persistent, Recurrent, or Metastatic Cervical Cancer - [link](#)
- Trastuzumab Deruxtecan in HER2-Mutant Non-Small-Cell Lung Cancer - [link](#)
- [Clinical Decisions](#): Oral versus Intravenous Antibiotics for Endocarditis

Pediatrics

- Factors Related to Serious Safety Events in a Children's Hospital Patient Safety Collaborative - [link](#)

Pharmaceutical Journal

- The impact of a medicines administration pharmacist on patient safety and medicines management: a service evaluation - [link](#)

Thrombosis and Haemostasis

- Apixaban and Dalteparin for the Treatment of Venous Thromboembolism in Patients with Different Sites of Cancer - [link](#)

TAG Mail – 16 September 2021

COVID-19 RESOURCES & ARTICLES OF INTEREST

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

AUSTRALIAN

ACI

- Care of adult patients with COVID-19 in acute inpatient wards - [link](#)

AIHW

- The first year of COVID-19 in Australia: direct and indirect health effects - [link](#)

Australian COVID-19 modelling initiative (AUSCMI)

- Initial modelling projections for second epidemic wave in Sydney, NSW - [link](#)

Australian Government Department of Health

- ATAGI weekly COVID-19 meeting on 8 September 2021 [update](#)
- ATAGI clinical guidance on COVID-19 vaccine in Australia in 2021 (updated 12/9/21) - [link](#)
- Operation COVID Shield COVID-19 Vaccine Sentiment Summary – September 2021 - [link](#)
- Clinical advice on the use of a different COVID-19 vaccine as the second dose - [link](#)

Burnet Institute

- Overview of COVASIM modelling released by NSW Government - [link](#)

CEC

- Medication Updates - 15 September 2021 [here](#):
 - Factsheet: Accessing baricitinib, remdesivir, sotrovimab and tocilizumab from NSW Health stockpile for the treatment of COVID-19 (PUBLIC facilities)
 - Ordering spreadsheet for PUBLIC facilities

NSW Health

- Safety Notice [SN:020/21](#) (9/9/21): Remdesivir 100mg injection –disruption to supply

NSW Health Critical Intelligence Unit

- COVID-19 Monitor 16 Sep 2021: COVID-19 vaccines, cases, hospitalisations, deaths and variants
- Risk Monitoring Dashboard 16 Sep 2021
- Living Evidence:
 - COVID-19 vaccines. Last updated 13 Sep 2021 - [link](#)
 - SARS-CoV-2 variants. Last updated 13 Sep 2021 – [link](#)
 - Post acute sequelae of COVID-19. Last updated 13 Sep 2021 [link](#)
 - Surgery and COVID-19. Last updated 13 Sep 2021- [link](#)

TGA

- New restrictions on prescribing ivermectin for COVID-19 - [link](#) – Poisons Standard [amendment](#)
- COVID-19 vaccine:
 - International collaboration - [link](#)
 - Undergoing evaluation - [link](#)
 - Spikevax ([elasomeran](#)) provisional approval for use in individuals aged 12 years and older
- COVID-19 treatments:
 - Provisional determinations (updated 9/9/21) - [link](#)
 - Treatments undergoing evaluation (updated 9/9/21) - [link](#)
- COVID-19 Rapid antigen self-tests. Performance requirements and risk mitigation strategies - [link](#)
- The ability of COVID-19 tests to detect emerging genetic variants of SARS-CoV-2 - [link](#)

GSK hosted webinar: Introducing sotrovimab - a new monoclonal antibody therapy for the early treatment of COVID-19 with Prof Joe Sasadeusz & Dr Joe Grey, Wed Sep 29 2021 7PM AEST - [here](#)

International Association for the Study of Pain (IASP)

- “Long Hauler” COVID-19 Pain Morbidities and Their Management (Part 2 of 2) – 30 September 2021 23:00-03:30 - [register](#)

MJA Podcasts: Episode 36: Cardiac complications of pre-Delta COVID-19 - [link](#)

INTERNATIONAL

WHO

- Weekly epidemiological update on COVID-19 (14 Sept 2021) - [link](#)
- COVID-19 vaccine tracker and landscape (14 Sep 2021) - [link](#)
- Science in 5: Episode #53 – Booster shots for COVID-19
- Drawing light from the pandemic: A new strategy for health and sustainable development - [link](#)
- Use of digital health tools in Europe: before, during and after COVID-19 - [link](#)

Europe

EMA

- COVID-19 vaccine safety updates for: [Janssen](#), [Vaxzevria](#) (AstraZeneca), [Spikevax](#) (Moderna), [Comirnaty](#) (BioNTech/Pfizer)
- Update on EMA’s most recent COVID-19 activities press briefing - [link](#)

UK

-Department of Health and Social Care

- Universal vaccination of [children](#) and young people aged 12 to 15 years against COVID-19: letter to the secretary of state advising ministers extend the offer of a 1st dose of Pfizer-BioNTech COVID-19 vaccine to all children and young people aged 12 to 15 not already covered by existing JCVI advice
- Public Health England
 - Duration of protection of COVID-19 vaccines against clinical disease, 9 September 2021 - [link](#)
 - Joint Committee on Vaccination and Immunisation (JCVI) updated advice on the COVID-19 vaccine booster programme - [link](#)
 - JCVI issues updated advice on COVID-19 vaccination of children aged 12 to 15 - [link](#)

-eMC

- [Ronapreve](#) (casirivimab/imdevimab) 120 mg/mL solution for injection or infusion granted a Conditional Marketing Authorisation for the prophylaxis and treatment of acute Covid-19 infection. Casirivimab and imdevimab are monoclonal antibodies that bind to non-overlapping epitopes of the spike protein receptor binding domain of SARS-CoV-2 – with [letter](#) to health professionals
- Revised SPC - COVID-19 Vaccine ([BioNTech](#) – Pfizer): indication of third dose at least 8 weeks after 2nd vaccination if benefits outweigh risks; addition of subsections ‘immunogenicity in immunocompromised patients’ & ‘immunogenicity of a booster dose in adults’ with data from studies and advice from MHRA
- MHRA
 - MHRA statement on booster doses of Pfizer and AstraZeneca COVID-19 vaccines - [link](#)
 - MHRA statement on COVID-19 booster vaccines (for winter 2021 to 2022) - [link](#)

- [Pfizer/BioNTech](#) vaccine for COVID-19: Updated information for healthcare professionals and the public about receiving a third dose and an additional pharmacovigilance condition
- [Vaxzevria](#) (previously COVID-19 Vaccine AstraZeneca): Updated information for healthcare professionals and the public about receiving a third dose and additional pharmacovigilance condition
- Interleukin-6 inhibitors (tocilizumab or sarilumab) for patients hospitalised due to COVID-19 - [link](#)

USA

- ASHP discussion forum ([Sign up](#) for free) recent topics of discussion include: Recovery Tocilizumab Trial (sharing of tocilizumab experiences and observed results); Sarilumab IV Stability;
- Centers for Disease Control and Prevention (CDC)
- Morbidity and Mortality Weekly Reports (MMWR):
- Monitoring Incidence of COVID-19 Cases, Hospitalizations, and Deaths, by Vaccination Status — 13 U.S. Jurisdictions, April 4–July 17, 2021 - [link](#)
- SARS-CoV-2 Transmission to Masked and Unmasked Close Contacts of University Students with COVID-19 - [link](#)
- Long-Term Symptoms Among Adults Tested for SARS-CoV-2 - US, January 2020–April 2021 -[link](#)
- FDA
- FDA Will Follow The Science On COVID-19 Vaccines For Young Children - [link](#)
- The Joint Commission
- Putting COVID-19 Numbers and Vaccinations into Context - [link \(including a video\)](#)

JOURNAL ARTICLES

Annals of Internal Medicine

- Transient Thrombocytopenia with Glycoprotein-Specific Platelet Autoantibodies after Ad26.COV2.S Vaccination: A [Case Report](#)

bioRxiv

- Ineffective neutralization of the SARS-CoV-2 Mu variant by convalescent and vaccine sera - [link](#)

BMJ

- [Editorial](#): Vaccine-induced interstitial lung disease: a rare reaction to COVID-19 vaccination
- [Letter](#): Proton pump inhibitor or famotidine use and severe COVID-19 disease: a propensity score-matched territory-wide study
- [Letter](#): Proton pump inhibitors and the risk of severe COVID-19: a post-hoc analysis from the Korean nationwide cohort
- Vaccinating people who have had covid-19: why doesn't natural immunity count in the US? - [link](#)

Cochrane

- Coronavirus (COVID-19): evidence relevant to critical care, [update](#) (8 Sep 2021)

eClinicalMedicine

- Mental and neurological disorders and risk of COVID-19 susceptibility, illness severity and mortality: A systematic review, meta-analysis and call for action - [link](#)
- Effects of adding L-arginine orally to standard therapy in patients with COVID-19: A randomized, double-blind, placebo-controlled, parallel-group trial. Results of the first interim analysis - [link](#)

Economic Analysis and Policy

- Cross-country effects and policy responses to COVID-19 in 2020: The Nordic countries - [link](#)

European Journal of Hospital Pharmacy

- [Survey](#): Lessons learnt from the COVID-19 pandemic: results of EAHP survey on the future crisis preparedness of hospital pharmacies

JAMA

- [Observation](#): Cribriform Plate Injury after Nasal Swab Testing for COVID-19
- [Letter](#): Spontaneous Abortion Following COVID-19 Vaccination during Pregnancy
- Effect of a Telecare Case Management Program for Older Adults Who Are Homebound During the COVID-19 Pandemic. A Pilot Randomized Clinical Trial - [link](#)
- [Letter](#): Characteristics of SARS-CoV-2 Infections in Israeli Children during the Circulation of Different SARS-CoV-2 Variants

- SARS-CoV-2 Variant Antibodies Wane 6 Months After Vaccination - [link](#)

Journal of Clinical Microbiology

- Diagnostic Accuracy of SARS-CoV-2 Rapid Antigen Detection Testing in Symptomatic and Asymptomatic Children in the Clinical Setting - [link](#)

Knowledge Hub Network

- Pre-print: Vaccine effectiveness and duration of protection of Comirnaty, Vaxzevria and Spikevax against mild and severe COVID-19 in the UK - [link](#)

Lancet

- Vaccination reduces need for emergency care in breakthrough COVID-19 infections: A multicenter cohort study - [link](#)

- Dynamics of antibody response to BNT162b2 vaccine after six months: a longitudinal prospective study - [link](#)

- Considerations in boosting COVID-19 vaccine immune responses - [link](#)

Lancet Infectious Diseases

- Remdesivir plus standard of care versus standard of care alone for the treatment of patients admitted to hospital with COVID-19 (DisCoVeRy): a phase 3, randomised, controlled, open-label [trial](#)

- Dynamic IgG seropositivity after rollout of CoronaVac and BNT162b2 COVID-19 vaccines in Chile: a sentinel surveillance study - [link](#)

- [Viewpoint](#): Prevention of host-to-host transmission by SARS-CoV-2 vaccines

medRxiv pre-prints

- COVID-19 Vaccine Concerns about Safety, Effectiveness and Policies in the United States, Canada, Sweden, and Italy among Unvaccinated Individuals - [link](#)

- REACT-1 round 13 final report: exponential growth, high prevalence of SARS-CoV-2 and vaccine effectiveness associated with Delta variant in England during May to July 2021 - [link](#)

- metaCOVID: An R-Shiny application for living meta-analyses of COVID-19 trials - [link](#)

- A Learning Health System Randomized Trial of Monoclonal Antibodies for Covid-19 - [link](#)

- SARS-CoV-2 mRNA Vaccination-Associated Myocarditis in Children Ages 12-17: A Stratified National Database Analysis - [link](#)

- Reports of myocarditis and pericarditis following mRNA COVID-19 vaccines: A review of spontaneously reported data from the UK, Europe, and the US

MJA

- Failures of quarantine systems for preventing COVID-19 outbreaks in Australia & New Zealand -[link](#)

- [Perspective](#): Policy considerations for mandatory COVID-19 vaccination from the Collaboration on Social Science in Immunisation

Nature Aging

- SARS-CoV-2, COVID-19 and the aging immune system - [link](#)

Nature Blood Cancer

- Production and persistence of specific antibodies in COVID-19 patients with hematologic malignancies: role of rituximab - [link](#)

Nature Medicine

- The next phase of SARS-CoV-2 surveillance: real-time molecular epidemiology - [link](#)

- [Correspondence](#): Can space-based technologies help manage and prevent pandemics?

Nature Reviews Nephrology

- [Comment](#): Long COVID and kidney disease

New England Journal of Medicine (NEJM)

- Protection of BNT162b2 Vaccine Booster against Covid-19 in Israel – [link](#)

- Safety and Efficacy of the BNT162b2 mRNA Covid-19 Vaccine through 6 Months - [link](#)

- [Audio Interview](#): Protecting against Severe Disease and Transmission

- [Audio Interview](#): New Evidence on SARS-CoV-2 Vaccine Boosters

- [Perspective](#): “Vaccine Passport” Certification — Policy and Ethical Considerations

- [Correspondence](#): On Preliminary Findings of mRNA Covid-19 Vaccine Safety in Pregnant Persons
- [Correspondence](#): SARS-CoV-2 Neutralization with BNT162b2 Vaccine Dose 3
- [Correspondence](#): Vaccine-Induced Thrombocytopenia with Severe Headache
- [Commentary](#): Rethinking Herd Immunity: Managing the Covid-19 Pandemic in a Dynamic Biological and Behavioral Environment

Scientific Reports

- Continued need for non-pharmaceutical interventions after COVID-19 vaccination in long-term-care facilities - [link](#)
- Impact of overlapping risks of type 2 diabetes and obesity on coronavirus disease severity in the United States - [link](#)

Signal Transduction and Targeted Therapy

- [Perspective](#): Mesenchymal stem cell therapy for severe COVID-19

REPORTS AND PUBLICATIONS – AUSTRALIA

Agency for Clinical Innovation (ACI)

- Medication review for people living with frailty - [link](#)

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

- Delirium care [standard](#) recognises value of family and carer support - [link](#)
- National Sepsis Awareness Campaign: 13 September to 26 November – [campaign toolkit](#)

Australian Government Department of Health

- National Drug Strategy 2017-2026 - [link](#)
- Statement on the Clinical use of Zoster vaccine in older adults in Australia - [link](#)

PBS

- PBAC Public Summary Documents (first time decisions not to recommend, deferrals and other matters) – [May 2021](#) meeting – encorafenib, Trikafta, onasemnogene abeparvovec, tetracosactide

TGA

- [Dapagliflozin](#) TGA licence change: indicated to reduce the risk of progressive decline in kidney function in adults with proteinuric chronic kidney disease
- The claim 'TGA approved' must not be used in advertising - [link](#)
- Notice of [final decisions](#) to the current Poisons Standard including: metoclopramide, chloramphenicol, prochlorperazine, lidocaine.
- AusPARs:
 - [Risdiplam](#) (Evrysdi) – for 5q spinal muscular atrophy (SMA) in patients aged 2 months and older
 - Australian prescription medicine decision summaries:
 - [sacituzumab](#) govitecan (Trodelvy) for adult patients with unresectable locally advanced or metastatic triple-negative breast cancer (mTNBC) who have received at least two prior systemic therapies, including at least one prior therapy for locally advanced or metastatic disease
 - [bevacizumab](#) (Abevmy) approved for several different cancers as well as glioma

Veterans' MATES Program

- New resources:
 - Veteran brochure: [Understanding your diuretic medicines](#)
 - Therapeutic brief: [Diuretics: reducing harm](#)

REPORTS AND PUBLICATIONS – INTERNATIONAL

Canadian Agency for Drugs and Technologies in Health

- Reference list, updated

- Biosimilar Enoxaparin for the Prevention or Treatment of Thrombosis and Cardiovascular Conditions – [link](#)
- Injectable Immunotherapy for Allergy - [link](#)

electronic Medicines Compendium (eMC) (UK)

- New products
- Cibinqo ([abrocitinib](#)) - oral JAK1 inhibitor is licensed for moderate-to-severe atopic dermatitis in adults and adolescents 12 years & older who are candidates for systemic therapy
- Lumykras ([sotorasib](#)) 120 mg film - licensed as monotherapy for adults with KRAS G12C-mutated locally advanced or metastatic non-small cell lung cancer, who have progressed on, or are intolerant to, platinum-based chemotherapy and/or anti PD-1/PD-L1 immunotherapy
- Trodelvy ([sacituzumab](#) govitecan)- trop-2-directed antibody-drug conjugate licensed for treatment of unresectable locally advanced/metastatic triple-negative breast cancer after ≥2 prior lines of systemic therapies, at least 1 of them given for unresectable locally advanced or metastatic disease

Food and Drug Administration (FDA) USA

- Announces Public Workshop to Reconsider Mandatory Prescriber Education for Opioids - [link](#)

Joint Commission

- Quick Safety [Issue 61](#)- Sep 13, 2021: Preventing non-ventilator hospital-acquired pneumonia

MIMS monthly updates

- Summary of new cholesterol-lowering drug, [inclisiran](#) (Leqvio)

NHS England

- Lung cancer patients to get breakthrough drug [sotorasib](#) on NHS

NHS Scotland

- Recommended:
- [Filgotinib](#) (Jyseleca®) restricted use for moderate to severe active rheumatoid arthritis
- [Pembrolizumab](#) (Keytruda®) restricted use for first-line treatment of metastatic microsatellite instability-high or mismatch repair deficient colorectal cancer
- [Selpercatinib](#) (Retsevmo®) on an interim basis for advanced RET fusion-positive thyroid cancer
- Not recommended:
- [Amikacin](#) liposomal nebuliser dispersion (Arikayce®) for non-tuberculous mycobacterial lung infections
- [Mercaptamine](#) (Procysbi®) for proven nephropathic cystinosis

National Institute for Health and Clinical Excellence (NICE) UK

- Abemaciclib with fulvestrant for treating hormone receptor-positive, HER2-negative advanced breast cancer after endocrine therapy [[TA725](#)]
- Final appraisal documents
- Apalutamide with androgen deprivation therapy for treating high-risk hormone relapsed non-metastatic prostate cancer - [link](#)
- Apalutamide with androgen deprivation therapy for treating hormone-sensitive metastatic prostate cancer - [link](#)
- Tofacitinib for treating juvenile idiopathic arthritis [[ID2718](#)]

Specialist Pharmacy Services NHS UK

- Switching between oral morphine and other oral opioids in adult palliative or cancer care [patients](#)
- Safety in Lactation: Non-beta lactam antibiotics and antibacterials - [link](#)

World Health Organisation (WHO)

- Financing common goods for health - [link](#)

MEDICATION SAFETY

electronic Medicines Compendium (eMC) (UK)

- Revised SPCs

- Bridion ([sugammadex](#)) - adverse reaction profile in patients with severe systemic disease (ASA Class 3/4) generally similar to those in pooled Phase 1-3 studies: no dose adjustment necessary
- Ciproxin ([ciprofloxacin](#)) - if a dose is missed, it should be taken anytime but not later than 6 hours prior to the next scheduled dose. If less than 6 hours remain before the next dose, the missed dose should not be taken and treatment should be continued as prescribed
- [Clinimix](#) N14G30E (amino acids, electrolytes, glucose, calcium) solution for infusion - recommends against use for preterm and term neonates and for children below 2 years of age
- [Eviplera](#) (tenofovir disoproxil fumarate/emtricitabine/rilpivirinehydrochloride) information on bone effects enhanced
- Fucidin ([fusidic acid](#)) - angioedema, pruritis and erythema added as rare adverse events; warnings updated to include information on sorbitol (source of fructose), benzyl alcohol and sodium content
- Herceptin ([trastuzumab](#)) - observe 30 minutes after the first injection and 15 minutes after subsequent injections for signs or symptoms of administration-related reactions
- Imuran ([azathioprine](#)) - Erythema nodosum added as potential adverse effect
- Isentress ([raltegravir](#)) – co-administration of iron salts may lead to reduced raltegravir plasma levels: separate administration by 2 hours
- [MenQuadfi](#) (Meningococcal Group A, C, W and Y conjugate vaccine) - stable at temperatures up to 25°C for 72 hours. At the end of this period, it should be used or discarded.
- Seroquel and Seroquel XL ([quetiapine](#)) – Cardiomyopathy, myocarditis, and cutaneous vasculitis added as adverse drug reactions (frequency not known). Although a causal relationship has not been established, in patients with suspected cardiomyopathy or myocarditis, consider discontinuation
- Tysabri ([natalizumab](#)) - used during pregnancy only if clearly needed. If a woman becomes pregnant while taking natalizumab, discontinuation of natalizumab should be considered
- Zoton ([lansoprazole](#)) - hypomagnesaemia may lead to hypocalcaemia and/or hypokalaemia

Medicines and Healthcare products Regulatory Agency (MHRA) UK

- Topical corticosteroids: information on the risk of topical steroid withdrawal reactions - [link](#) – with [patient safety leaflet](#) – and [review of evidence](#)

TGA

- Medicines Safety Review: Erenumab and hypertension - [link](#)
- Medicines Safety Update: Propylthiouracil and carbimazole – use in pregnancy - [link](#)

PAPERS OF INTEREST

American Journal of Health-System Pharmacy (AJHP)

- Pharmacotherapy review: Emerging treatment modalities in transthyretin cardiac amyloidosis - [link](#)
- Evaluation of a risk assessment model to predict infection with healthcare facility-onset *Clostridioides difficile* - [link](#)

Annals of Internal Medicine

- [Review](#): Long-Term Risk for Major Bleeding during Extended Oral Anticoagulant Therapy for First Unprovoked Venous Thromboembolism – [summary for patients](#)

Applied Health Economics and Health Policy

- Costs and Cost-Effectiveness of User-Testing of Health Professionals' Guidelines to Reduce the Frequency of Intravenous Medicines Administration Errors by Nurses in the United Kingdom: A Probabilistic Model Based on Voriconazole Administration - [link](#)

Arthritis & Rheumatology

- Expert Perspective: Management of microvascular and catastrophic antiphospholipid syndrome [APS](#)

British Journal of Clinical Pharmacology

- Impact of regulatory interventions to restrict the combined use of renin-angiotensin system-acting agents: A Danish nationwide drug utilisation study - [link](#)
- Evaluation of the Drug–Drug Interaction Potential of Treosulfan using a Physiologically-Based Pharmacokinetic Modelling Approach - [link](#)
- Comparative effectiveness of dimethyl fumarate in Multiple Sclerosis - [link](#)

- In utero exposure to antiretroviral drugs and pregnancy outcomes: analysis of the French ANRS pharmacovigilance database - [link](#)
- Novel Oral Iron Therapy for Iron Deficiency: How to Value Safety in a New Drug? - [link](#)
- Pregabalin Poisoning: Evaluation of Dose-Toxicity Relationship - [link](#)
- Prescription opioid use in Australian women of reproductive age: implications for unplanned pregnancies - [link](#)
- Utilization and long-term persistence of direct oral anticoagulants among patients with nonvalvular atrial fibrillation and liver disease - [link](#)
- The median effective concentration of propofol with different doses of esketamine during gastrointestinal endoscopy in elderly patients: a randomized controlled trial - [link](#)

BMC Public Health

- Provider bias in prescribing opioid analgesics: a study of electronic medical records at a hospital emergency department - [link](#)

British Medical Journal (BMJ)

- Medical cannabis or cannabinoids for chronic non-cancer and cancer related pain: a systematic review and meta-analysis of randomised clinical trials - [link](#)
- Regulatory and clinical consequences of negative confirmatory trials of accelerated approval cancer drugs: retrospective observational study - [link](#)
- Use of antipsychotic drugs and cholinesterase inhibitors and risk of falls and fractures: self-controlled case series - [link](#)

BMJ Open

- Values and preferences towards medical cannabis among people living with chronic pain: a mixed-methods systematic review - [link](#)
- Cardiovascular morbidity and mortality in patients with type 2 diabetes using novel antidiabetic medicines as add-on therapy: an observational real-world study - [link](#)
- Intensive versus standard blood pressure control in type 2 diabetes: a restricted mean survival time analysis of a randomised controlled trial - [link](#)

Circulation

- Doxycycline Combined with Bortezomib-Cyclophosphamide-Dexamethasone Chemotherapy for Newly Diagnosed Cardiac Light-Chain Amyloidosis: A Multicenter Randomized Controlled Trial - [link](#)

Cochrane

- [Editorial](#): Anticholinergic drugs and dementia: time for transparency in the face of uncertainty
- Postoperative adjuvant chemotherapy for resectable cholangiocarcinoma - [link](#)
- Ketamine and other glutamate receptor modulators for depression in adults with unipolar major depressive disorder - [link](#)
- Single-dose intravenous ibuprofen for acute postoperative pain in adults - [link](#)
- Interventions to improve adherence to pharmacological therapy for chronic obstructive pulmonary disease (COPD) - [link](#)

Diagnosis

- Handshake antimicrobial stewardship as a model to recognize and prevent diagnostic [errors](#)

Drug and Therapeutics Bulletin

- Osteoporosis and fracture risk with corticosteroids used for asthma - [link](#)

European Heart Journal

- Cardiovascular risk associated with allopurinol vs. benzbromarone in patients with gout - [link](#)

European Journal of Hospital Pharmacy

- Sulperazon-induced acute reactive thrombocytopenia during treatment of systemic lupus erythematosus: a case report - [link](#)
- Efficacy and safety of PD-1/PD-L1 plus CTLA-4 antibodies ± other therapies in lung cancer: a systematic review and meta-analysis - [link](#)

Heart

- Hydration for prevention of kidney injury after primary coronary intervention for acute myocardial infarction: a randomised clinical trial - [link](#)

International Journal of Clinical Pharmacy

- Universal health coverage for mental health: the contribution of clinical pharmacists - [link](#)
- A budget impact analysis of iron polymaltose and ferric carboxymaltose infusions - [link](#)
- Safety and efficacy of transitioning from intravenous to subcutaneous insulin in critically ill [patients](#)
- Regulating pediatric off-label uses of medicines in the EU & USA: challenges and potential [solutions](#)
- A cost–benefit analysis of hospital-wide medication reviews: a period prevalence study - [link](#)

JAMA

- [Research letter](#): Representativeness of Participants Eligible to Be Enrolled in Clinical Trials of Aducanumab for Alzheimer Disease Compared with Medicare Beneficiaries with Alzheimer Disease and Mild Cognitive Impairment
- Novel Oral Drug Rapidly Treats Postpartum Depression - [link](#)
- Guidelines for Lipid-Lowering Therapy Intensification Rarely Followed - [link](#)
- First Interchangeable Biosimilar Insulin Drug Is Approved – [link](#)
- [Editorial](#): Does Crystalloid Composition or Rate of Fluid Administration Make a Difference When Resuscitating Patients in the ICU?
- Cognitive Decline Associated with Anesthesia and Surgery in Older Patients - [link](#)
- [Letter and reply](#): Half-Dose vs Stable-Dose Conventional Synthetic Disease-Modifying Antirheumatic Drugs and Disease Flare in Patients with Rheumatoid Arthritis
- Effect of Urate-Elevating Inosine on Early Parkinson Disease Progression. The SURE-PD3 Randomized Clinical [Trial](#)
- Effect of Low-Normal vs High-Normal Oxygenation Targets on Organ Dysfunction in Critically Ill Patients. A Randomized Clinical [Trial](#)
- Insights: Pulmonary Rehabilitation in 2021 – [link](#)

JAMA Dermatology

- [Research Letter](#): Postmarketing Cases of Enfortumab Vedotin–Associated Skin Reactions Reported as Stevens-Johnson Syndrome or Toxic Epidermal Necrolysis

JAMA Neurology

- US Food and Drug Administration Approval of Aducanumab—Is Amyloid Load a Valid Surrogate End Point for Alzheimer Disease Clinical Trials? - [link](#)

JAMA Oncology

- Inferential Challenges for Real-world Evidence in the Era of Routinely Collected Health Data - [link](#)
- Neoadjuvant Endocrine Therapy in Clinical Practice: A Review - [link](#)

Journal of Clinical Oncology

- Capecitabine versus active monitoring in stable or responding metastatic colorectal cancer after 16 weeks of first-line therapy: Results of the randomized FOCUS4-N trial - [link](#)

Lancet

- Immune checkpoint inhibitors in melanoma - [link](#)

Lancet Gastroenterology and Hepatology

- Effectiveness and predictors of response to somatostatin analogues in patients with gastrointestinal angiodysplasias: a systematic review and individual patient data meta-analysis - [link](#)

Lancet Infectious Diseases

- The importance of understanding the infectious microenvironment - [link](#)

Lancet Psychiatry

- A standard THC unit for reporting of health research on cannabis and cannabinoids - [link](#)

Neurology

- Utility of Intravenous Alteplase Prior to Endovascular Stroke Treatment: A Systematic Review and Meta-analysis of RCTs - [link](#)

New England Journal of Medicine

- Seasonal Malaria Vaccination with or without Seasonal Malaria Chemoprevention - [link](#)

- Amoxicillin Rash in Infectious Mononucleosis - [link](#)
- Challenges of Sarcoidosis and Its Management - [link](#)
- [Perspective](#): Treatment of Older Adults with Cancer — Addressing Gaps in Evidence
- [Clinical Practice](#): Treatment of Acute Uncomplicated Appendicitis
- [Clinical Decisions](#): Oral versus Intravenous Antibiotics for Endocarditis

Pharmacotherapy

- Characterization of antiplatelet response to low-dose cangrelor utilizing platelet function testing in neuroendovascular patients - [link](#)
- Renin-angiotensin-aldosterone System Inhibitors and Major Cardiovascular Events and Acute Kidney Injury in Patients with Coronary Artery Disease - [link](#)

Public Health Research & Practice

- Medicine reviews: do they reduce benzodiazepine use in older Australians? - [link](#)

Res Social Adm Pharm

- Effect of medication reconciliation on patient reported potential adverse events after hospital discharge - [link](#)

TAG Mail – 9 September 2021

COVID-19 RESOURCES & ARTICLES OF INTEREST

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

AUSTRALIAN

ACI

- Model of care for the use of sotrovimab in adults in NSW - [link](#)
- Caring for adults with COVID-19 in the community - [link](#)

Australian Government Department of Health

- ATAGI update following weekly COVID-19 meeting - 1 September 2021 - [link](#)
- COVID-19 vaccination decision guide for women who are pregnant, breastfeeding or planning pregnancy (updated 2/9/21) - [link](#)
- COVID-19 Australia: Epidemiology [Report 49](#) Reporting period ending 29 August 2021

CEC

- Memo: Model of Care for use of Sotrovimab in NSW for treatment of COVID-19 - [link](#)

NSW Health

- COVID-19 Weekly Surveillance in NSW - Epidemiological week 33, ending 21 August 2021 - [link](#)
- NSW Health interim guidance on use of antiviral and immunomodulation therapy in COVID-19 - [link](#)
- End of life and palliative care medication prescribing - [link](#)
- Caring for children with COVID-19 in the community - [link](#)

NSW Health Critical Intelligence Unit

- COVID-19 [Monitor 9 Sep 2021](#): COVID-19 vaccines, cases, hospitalisations, deaths and variants
- Risk Monitoring [Dashboard 8 Sep 2021](#)
- Living Evidence:
 - COVID-19 vaccines. Last updated 6 Sep 2021 - [link](#)
 - SARS-CoV-2 variants. Last updated 9 Sep 2021 - [link](#)
 - COVID-19 transmission. Last updated 6 Sep 2021 - [link](#)
 - Post acute sequelae of COVID-19. Last updated 6 Sep 2021 - [link](#)

NPS MedicineWise

- New Drug: Elasmomeran for prevention of COVID-19 - [link](#)
- COVID-19 vaccination in children and adolescents - [link](#)

TGA

- COVID-19 vaccine weekly safety report - [02-09-2021](#)
- Provisional approval of Moderna COVID-19 vaccine to include 12-17 years age group - [link](#)
- COVID-19 vaccine:
 - Spikevax ([elasomeran](#)) provisional approval & supporting regulatory documents (updated 4/9/21)
 - Information for consumers and health professionals (updated 4/9/21) - [link](#)
- COVID-19 rapid antigen point-of-care tests (updated 6/9/21) - [link](#)
- Q&As - Conditions of supply for rapid antigen tests - [link](#)
- COVID-19 Rapid Antigen Tests - Guidance and checklist for businesses - [link](#)
- Shortages of tocilizumab (Actemra) medicines [8 Sep 2021 update](#)

INTERNATIONAL

WHO

- Update 66: COVID-19 vaccine booster doses - [link](#)
- Science in 5: Episode #52 – Tobacco & COVID-19
- How to manage COVID-19 vaccines without VVM at vaccination service points? - [link](#)
- COVID-19 immunization in refugees & migrants: principles & key considerations: interim guidance, 31 August 2021 - [link](#)
- COVID-19 vaccine post-introduction evaluation (cPIE) guide: interim guidance, 25 August 2021 - [link](#)
- COVID-19 vaccine tracker and landscape (7 Sep 2021) - [link](#)

Europe

EMA

- EMA evaluating data on booster dose of COVID-19 vaccine Comirnaty - [link](#)
- ECDC & EMA highlight considerations for additional and booster doses of COVID-19 vaccines - [link](#)
- Meeting highlights from PRAC 30/8/21-2/9/21 including: COVID-19 Vaccine Janssen & venous thromboembolism and EMA reviewing cases of multisystem inflammatory syndrome & COVID-19 vaccines - [link](#)

New Zealand

MedSafe

- [Alert](#): Risks of importing or prescribing ivermectin for prevention or treatment of COVID-19

UK

-GOV.UK

- Third primary COVID-19 vaccine dose for people who are immunosuppressed: JCVI advice - [link](#)

-HealthWatch England

- COVID-19: What can pharmacists learn from people's experiences of services? - [link](#)

- NICE

- COVID-19 rapid guideline: Managing COVID-19, update [\[NG191\]](#)

- Public Health England

- SARS-CoV-2 variants of concern and variants under investigation in England [Technical briefing 22](#)

- Specialist Pharmacy Services NHS UK

- Summary of COVID-19 medicines guidance: Renal and urologic disorders - [link](#)

USA

-American Society of Health-System Pharmacists (ASHP)

- ASHP discussion forum ([Sign up](#) for free) recent topics of discussion include: Baricitinib (Olumiant) dispense process/workflow?; Sarilumab IV Stability;

- Standing Orders to Enable Pharmacists to Provide COVID-19 Treatment: [Mississippi](#); [Missouri](#); [Florida](#); [Oregon \(proposed\)](#).

- Centers for Disease Control and Prevention (CDC)

- Morbidity and Mortality Weekly Reports (MMWR):

- Hospitalizations Associated with COVID-19 Among Children and Adolescents - COVID-NET, 14 States, March 1, 2020–August 14, 2021 - [link](#)

- Multiple Variants of SARS-CoV-2 in a University Outbreak After Spring Break - Chicago, Illinois, March–May 2021 - [link](#)

- Association Between COVID-19 and Myocarditis Using Hospital-Based Administrative Data — United States, March 2020–January 2021 - [link](#)

- FDA

-- FDA In Brief: FDA to Hold Advisory Committee Meeting to Discuss Pfizer-BioNTech's Application for COVID-19 Booster - [link](#)

JOURNAL ARTICLES

American Journal of Health-System Pharmacy (AJHP)

- Roadblocks and successes in preparing COVID-19 vaccination clinics: Perspectives from pharmacy residents - [link](#)

Arthritis and Rheumatology

- Safety and tolerability of the COVID-19 mRNA-vaccine in adolescents with juvenile idiopathic arthritis on treatment with TNF-inhibitors - [link](#)

Autoimmunity Reviews

- Response to SARS-CoV-2 vaccination in immune mediated inflammatory diseases: Systematic review and meta-analysis - [link](#)

BMJ

- [Editorial](#): Ronapreve for prophylaxis and treatment of covid-19

- Risk of hospital admission with covid-19 among teachers compared with healthcare workers & other adults of working age in Scotland, March 2020 to July 2021: population based case-control [study](#)

- BMJ Best Practice COVID-19 updated 2/9/21 - [link](#)

- How routine NHS diabetes care can catch up after covid-19 - [link](#)

Blood Advances

- American Society of Hematology living guidelines on the use of anticoagulation for thromboprophylaxis in patients with COVID-19: May 2021 update on the use of intermediate intensity anticoagulation in critically ill patients - [link](#)

British Journal of Clinical Pharmacology

- Model-informed drug repurposing: A pharmacometric approach to novel pathogen preparedness, response and retrospection - [link](#)

- Numbers of spontaneous reports: How to use and interpret? - [link](#)

British Journal of Health Psychology

- Staying 'Covid-safe': Proposals for embedding behaviours that protect against Covid-19 transmission in the UK - [link](#)

BMJ Health & Care Informatics

- Validation of parsimonious prognostic models for patients infected with COVID-19 - [link](#)

Cochrane

- SARS-CoV-2-neutralising monoclonal antibodies for treatment of COVID-19 - [link](#)

Heart, Lung and Circulation

- Myocarditis, Pericarditis and Cardiomyopathy after COVID-19 Vaccination - [link](#)

- Pulmonary Embolism Prophylaxis in Patients with COVID-19: An Emerging Issue - [link](#)

Internal Medical Journal

- Prospective Study of Policies and Use of Therapies for COVID-19 Amongst Australian Health Services during 2020 - [link](#)

- A systematic review and meta-analysis of the characteristics and outcomes of readmitted COVID-19 survivors - [link](#)

JAMA

- Evaluation of the SARS-CoV-2 Antibody Response to the BNT162b2 Vaccine in Patients Undergoing Hemodialysis - [link](#)

- [Letter](#): Rate of Recurrent Guillain-Barré Syndrome after mRNA COVID-19 Vaccine BNT162b2

- [Letter](#): Comparison of SARS-CoV-2 Antibody Response by Age among Recipients of the BNT162b2 vs the mRNA-1273 Vaccine

- Association between Exposure Characteristics and the Risk for COVID-19 Infection among Health Care Workers With and Without BNT162b2 Vaccination - [link](#)
- Prevalence of Allergic Reactions after Pfizer-BioNTech COVID-19 Vaccination among Adults with High Allergy Risk - [link](#) and [commentary](#)
- [Letter](#): One-Year Outcomes of Critical Care Patients Post–COVID-19 Multisystem Inflammatory Syndrome in Children
- Estimated US Infection- and Vaccine-Induced SARS-CoV-2 Seroprevalence based on Blood Donations, July 2020-May 2021 - [link](#)
- Emergency Department Encounters among Youth with Suicidal Thoughts or behaviors during the COVID-19 Pandemic - [link](#)
- Surveillance for Adverse Events after COVID-19 mRNA Vaccination – [link](#); [editorial](#)

Journal of Clinical Investigation (JCI)

- Results of the CAPSID randomized trial for high-dose convalescent plasma in severe COVID-19 patients - [link](#)

Lancet

- Efficacy & safety of baricitinib for the treatment of hospitalised adults with COVID-19 (COV-BARRIER): a randomised, double-blind, parallel-group, placebo-controlled phase 3 [trial](#) & [comment](#)
- Reactogenicity and immunogenicity after a late second dose or a third dose of ChAdOx1 nCoV-19 in the UK: a substudy of two randomised controlled trials (COV001 and COV002) - [link](#) & [comment](#)
- Temporal trends in emergency admissions for diabetic ketoacidosis in people with diabetes in England before and during the COVID-19 pandemic: a population-based [study](#) & [comment](#)
- The association of community mobility with the time-varying reproduction number (R) of SARS-CoV-2: a modelling study across 330 local UK authorities - [link](#)
- [Review](#): COVID-19 and immune-mediated inflammatory diseases: effect of disease and treatment on COVID-19 outcomes and vaccine responses
- [Correspondence](#): Effect of the COVID-19 pandemic on body weight in people at high risk of type 2 diabetes referred to the English NHS Diabetes Prevention Programme
- [Comment](#): Pathological disease in the lung periphery after acute COVID-19
- [Comment](#): Hospitalisation among vaccine breakthrough COVID-19 infections

medRxiv pre-prints

- Effectiveness of COVID-19 Vaccines against SARS-CoV-2 Infection during a Delta Variant Epidemic Surge in Multnomah County, Oregon, July 2021 - [link](#)
- Viral loads of Delta-variant SARS-CoV2 breakthrough infections following vaccination and booster with the BNT162b2 vaccine - [link](#)
- Health impact and cost of COVID-19 prophylaxis with monoclonal antibodies - [link](#)
- Prediction of vaccine efficacy of the Delta variant - [link](#)
- Short Term Reduction in the Odds of Testing Positive for SARS-CoV-2; a Comparison between Two Doses and Three doses of the BNT162b2 Vaccine - [link](#)
- BNT162b2 vaccine booster dose protection: A nationwide study from Israel- [link](#)
- No difference in risk of hospitalisation between reported cases of the SARS-CoV-2 Delta variant and Alpha variant in Norway - [link](#)
- Early versus late third trimester maternal SARS-CoV-2 BNT162b2 mRNA immunization maximizes transplacental antibody transfer and neonatal neutralizing antibody levels - [link](#)
- COVID-19 outcomes in pregnancy: a Review of 275 screened studies - [link](#)
- Real-world evaluation of AI-driven COVID-19 triage for emergency admissions: External validation & operational assessment of lab-free and high-throughput screening solutions - [link](#)

MJA

- [Letter](#): The incidence of cardiac complications in patients hospitalised with COVID-19 in Australia: the AUS-COVID study

Nature Leukemia

- [Letter](#): The impact of specific cytokine directed treatment on severe COVID-19

Nature Medicine

- Early treatment of COVID-19 with anakinra guided by soluble urokinase plasminogen receptor plasma levels: a double-blind, randomized controlled phase 3 trial - [link](#)
- Effectiveness of the BNT162b2 mRNA COVID-19 vaccine in pregnancy - [link](#)

Nature Scientific Reports

- Uric acid as a prognostic factor and critical marker of COVID-19 - [link](#)
- Treatment of moderate to severe respiratory COVID-19: a cost-utility analysis - [link](#)
- Prevalence of right ventricular dysfunction and impact on all-cause death in hospitalized patients with COVID-19: a systematic review and meta-analysis - [link](#)

New England Journal of Medicine

- Audio Interview: A New Round of Rising Covid-19 Numbers - [link](#)
- Effectiveness of an Inactivated SARS-CoV-2 Vaccine in Chile - [link](#) - [editorial](#)
- Effectiveness of Covid-19 Vaccines in Ambulatory and Inpatient Care Settings - [link](#)
- [Letter](#): Decline in Pathogenic Antibodies over Time in VITT
- [Letter](#): Receipt of mRNA Covid-19 Vaccines and Risk of Spontaneous Abortion
- [Letter](#): On Preliminary Findings of mRNA Covid-19 Vaccine Safety in Pregnant Persons

Pharmaceutical Journal

- COVID-19 booster campaign: everything we know so far - [link](#)
- COVID-19 pneumonia and COVID-19 associated acute respiratory distress syndrome: diagnosis and management - [link](#)

Public Health Research & Practice

- Recovering from a punch in the mouth – the need for continuous adaptation to COVID-19 - [link](#)
- Bondi and beyond. Lessons from three waves of COVID-19 from 2020 - [link](#)

Scientific Reports

- Ascorbic acid as an adjunctive therapy in critically ill patients with COVID-19: a propensity score matched study - [link](#)
- Risk-factors for re-admission and outcome of patients hospitalized with confirmed COVID-19 - [link](#)

REPORTS AND PUBLICATIONS – AUSTRALIA

Agency for Clinical Innovation, NSW (ACI)

- Clinician Connect [30 August 2021](#)
- Features: Using virtual reality to improve stroke treatment - [link](#); Spotlight on virtual care across NSW - [link](#); How to deliver successful virtual care services - [link](#)
- Editorials: Embedding virtual care as part of routine care - [link](#); Virtual care mobilises knowledge & expertise - [link](#)
- Network updates: Working together to improve the rehabilitation journey for Aboriginal people - [link](#); Spotlight on the Clinical Genetics Network - [link](#); Cardiac Network - [link](#)
- Be Pain Smart: New web-based tools for health professionals and clinicians treating clients or patients with chronic pain and who have sustained a brain injury – [link](#)

AHHA

- Deeble Issues Brief No. 44: Reducing diagnostic errors related to medical imaging - [link](#)

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

- Technical report: Monitoring the national burden of Clostridioides difficile Infection in Australian public hospitals: 2016 to 2018 - [link](#)
- Revised Delirium Clinical Care Standard (2021) - [link](#)

Australian Government Department of Health

- Primary Health Networks (PHN) mental health care guidance – initial assessment and referral for mental health care - [link](#)

Australian Institute for Health and Welfare (AIHW)

- [Report](#): Patient experiences in Australia by small geographic areas in 2019–20

Clinical Excellence Commission (CEC) NSW

- Revised electronic VTE risk assessment tool for adult inpatients – build files released by PowerChart Application Advisory Group for state-wide use. Contact CECStopClots@health.nsw.gov.au for change management resources

NSW Health

- Guideline: Clinical Principles for End of Life and Palliative Care ([GL2021_016](#))

PBS

- New Strategic Agreements with Medicines Industry (and Generic and Biosimilar Medicines Association) - [link](#)

TGA

- Off-label use of medical devices: Frequently asked questions - [link](#)

- Nicotine vaping products (updated 3/9/21) - [link](#)

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

- Australian prescription medicine decision summaries:

-- [Luspatercept](#) (Reblozyl) – to treat adults with transfusion-dependent anaemia due to very low, low and intermediate-risk myelodysplastic syndromes with ring sideroblasts. Also to treat adults with transfusion-dependent anaemia associated with beta thalassaemia.

REPORTS AND PUBLICATIONS – INTERNATIONAL

Agency for Healthcare Research and Quality (AHRQ) USA

- Interventional Treatments for Acute and Chronic Pain: Systematic Review - [link](#)

electronic Medicines Compendium (eMC) (UK)

- New products

- Bimzelx ([bimekizumab](#))-humanised IgG1/k monoclonal antibody that selectively binds with high affinity to IL-17A, IL-17F and IL-17AF cytokines. Licensed for the treatment of moderate to severe plaque psoriasis in adults who are candidates for systemic therapy

- Evrenzo ([roxadustat](#))- hypoxia-inducible factor, prolyl hydroxylase inhibitor, licensed for treatment of adults with symptomatic anaemia associated with chronic kidney disease

- Lamzede ([velmanase alfa](#)) (recombinant human lysosomal alpha-mannosidase)- licensed for use as enzyme replacement therapy for the treatment of non-neurological manifestations in patients with mild to moderate alpha-mannosidosis

-- [Trimbow](#) NEXThaler (DPI) (beclometasone /formoterol fumarate /glycopyrronium) per actuation inhalation powder for maintenance treatment of adults with moderate to severe COPD not adequately treated by combined inhaled corticosteroid & a long-acting beta2-agonist or a combination of a long-acting beta2-agonist & a long-acting muscarinic antagonist

-- Yuflyma ([adalimumab](#))- biosimilar licensed for same indications as originator Humira

Food and Drug Administration (FDA) USA

- Physiologically Based Pharmacokinetic Modeling of Sertraline Dosing in Pregnancy - [link](#)

- New Drug approvals

-- zanubrutinib ([Brukinsa](#)) for Waldenström's macroglobulinemia

-- [paliperidone](#) palmitate ([Invega Hafyera](#)) - twice-yearly antipsychotic for schizophrenia

MIMS Monthly Index of Medical Specialities UK

- Summary: New triple combination dry powder inhaler [Trimbow](#) NEXThaler (beclometasone, formoterol and glycopyrronium) launched in UK for treatment of COPD

NHS England

- Measuring supported self-management: Five steps to help teams choose approaches - [link](#)

- Prescribing of THC:CBD spray (Sativex®) in line with NICE NG144 - [link](#)

- Integrated Care Systems: Guidance - [link](#)

National Institute for Health and Clinical Excellence (NICE) UK

- NICE and Cochrane sign collaborative agreement to deliver 'living' guideline recommendations - [link](#)

- Workplace health: long-term sickness absence and capability to work [[QS202](#)]

- Final Appraisal Document
- [Inclisiran](#) for treating primary hypercholesterolaemia or mixed dyslipidaemia
- Secukinumab for treating plaque psoriasis in children and young people [[ID1669](#)]
- Type 2 diabetes in adults: management - SGLT2 inhibitors for chronic kidney disease [[update](#)]
- Type 2 diabetes in adults: management [[update](#)]
- End of life care for adults, update [[QS13](#)]
- Nivolumab with ipilimumab and chemotherapy for untreated metastatic non-small-cell lung cancer [[TA724](#)]

Royal Pharmaceutical Society

- RPS Competency Framework for all Prescribers updated - [link](#)

The King's Fund (UK)

- The Health and Care Bill: six key questions - [link](#)

MEDICATION SAFETY

electronic Medicines Compendium (eMC) (UK)

- Revised SPCs
- [Blissel \(estriol\)](#) - new data which suggest no increase in risk of breast cancer in women with no history of breast cancer taking low dose vaginally applied oestrogens. Unknown if low dose vaginal oestrogens stimulate recurrence of breast cancer.
- [Dupixent \(dupilumab\)](#) - cases of eosinophilic pneumonia and vasculitis consistent with eosinophilic granulomatosis with polyangiitis, and serious systemic eosinophilia in patients being treated for asthma. Patients with atopic dermatitis or chronic rhinosinusitis with nasal polyps who also have comorbid asthma should not adjust or stop their asthma treatments without consultation with physicians & should be monitored carefully following discontinuation of dupilumab
- [Dysport](#) (clostridium botulinum type a toxin-haemagglutinin complex) - dry eye reported with use for blepharospasm & hemifacial spasm. Warning also included on use where the targeted muscle shows excessive weakness or atrophy. Muscle atrophy added as an adverse event (unknown frequency).
- [Evotaz](#) (atazanavir/cobicistat) extended indications to include adolescents aged 12 years and older weighing at least 35kg. Information on undesirable effects in paediatric patients aged 3 months to <12 years and 12 to <18 years added
- [Kyprolis \(carfilzomib\)](#) post-marketing cases of ventricular tachycardia reported; pancreatitis has also been added as an uncommon gastrointestinal adverse effect.
- [Mydrane](#) (tropicamide/phenylephrine/lidocaine) use in patients with shallow anterior chamber, a history of acute narrow angle glaucoma and/or insufficient pupil dilation can increase the risk of both iridocoele and floppy iris syndrome.
- [Nicorette \(nicotine\)](#) products - updated to include seizures as an undesirable effect (unknown incidence) and to state the potential risks and benefits of nicotine should be carefully evaluated before use in subjects with a history of epilepsy.
- [Rebetol \(ribavirin\)](#) Duration of contraception for women modified to 9 months (previously 4 months) and for males and their female partners this has been modified to 6 months (previously 7) in line with Feb 2020 Safety Working Party recommendations on Genotoxicity and Contraception.
- [Rozlytrek \(entrectinib\)](#) - fractures added as a serious adverse reaction (2.4%),
- [Shingrix](#) (Herpes zoster vaccine - recombinant, adjuvanted) - statements referring to availability of limited data to support the use in frail individuals including those with multiple comorbidities removed,
- [Tavlesse \(fostamatinib\)](#) – headache added as common adverse effect,

EMA

- Imbruvica: new safety signal for use in combination with rituximab and ACE inhibitors - [link](#)

Food and Drug Administration (FDA) USA

- FDA requires warnings about increased risk of serious heart-related events, cancer, blood clots, and death with Janus Kinase (JAK) inhibitors (tofacitinib, baricitinib and upadacitinib) - [link](#)

Institute for Safe Medication Practices (ISMP) USA

- Medication Safety Alert! [September 9, 2021](#)
- Outsourced paralyzing agent packaging could pose a serious safety issue

- Errata
- More on fluorouracil and pets

Medsafe (New Zealand Medicines and Medical Devices Safety Authority)

- Risks of importing or prescribing ivermectin for prevention or treatment of COVID-19 - [link](#)

TGA

- Various [Caro white & Carotone](#) branded products pose a risk to your health and should not be used.

PAPERS OF INTEREST

American Journal of Health-System Pharmacy (AJHP)

- ASHP Statement on the Pharmacist's Role in Clinical Pharmacogenomics - [link](#)
- ASHP Statement on the Roles and Responsibilities of the Pharmacy Executive - [link](#)
- ASHP Guidelines on Adverse Drug Reaction Monitoring and Reporting - [link](#)
- ASHP Guidelines on the Safe Use of Automated Dispensing Cabinets - [link](#)
- [Letter](#): Avoiding cost avoidance - [reply](#)

Annals of Internal Medicine

- The Health Benefits of Urgent Upstream Action on Climate Change - [link](#)

Arthritis & Rheumatology

- Improved Disease Course Associated with Early Initiation of Biologics in Polyarticular Juvenile Idiopathic Arthritis: Trajectory Analysis of a Childhood Arthritis and Rheumatology Research Alliance Consensus Treatment Plans Study - [link](#)

British Journal of Clinical Pharmacology

- Sustainable medicines development and use: Our collective responsibility for action to mitigate the natural world crisis - [link](#)
- Population pharmacokinetic and exposure–efficacy analysis of ixekizumab in paediatric patients with moderate-to-severe plaque psoriasis (IXORA-PEDS) - [link](#)
- Paracetamol toxicity in mild overdose in combination with opioids: a retrospective observational study - [link](#)
- Identifying adverse drug reactions from free- text electronic hospital health record notes - [link](#)
- Access to palivizumab among children at high risk of respiratory syncytial virus complications in English hospitals - [link](#)

British Medical Journal (BMJ)

- Call for emergency action to limit global temperature increases, restore biodiversity, & protect [health](#)
- What has caused the NHS blood tube shortage, and how is it affecting doctors and patients? - [link](#)

BMJ Open

- Efficacy and safety of omalizumab in chronic rhinosinusitis with nasal polyps: a systematic review and meta-analysis of randomised controlled trials - [link](#)

BMJ Quality and Safety

- Evaluating the safety of mental health-related prescribing in UK primary care: a cross-sectional study using the Clinical Practice Research Datalink (CPRD)- [link](#)
- Determining the skills needed by frontline NHS staff to deliver quality improvement: findings from six case studies - [link](#)

Circulation

- Teprasiran, A Small Interfering RNA, for the Prevention of Acute Kidney Injury in High-Risk Patients Undergoing Cardiac Surgery: A Randomized Clinical Study - [link](#)

Cochrane

- High-dose chemotherapy followed by autologous haematopoietic cell transplantation for children, adolescents, and young adults with first recurrence of Ewing sarcoma - [link](#)

Diabetes Care

- Effect of Maternal Metformin Treatment in Pregnancy on Neonatal Metabolism: Evidence from Newborn Metabolic Screening - [link](#)

Diabetes Research and Clinical Practice

- Metformin extended-release versus metformin immediate-release for adults with type 2 diabetes mellitus: A systematic review and meta-analysis of randomized controlled trials - [link](#)

EClinicalMedicine

- Risks and benefits of anticancer drugs in advanced cancer patients: A systematic review and meta-analysis - [link](#)

European Heart Journal

- LDL cholesterol levels and in-hospital bleeding in patients on high-intensity antithrombotic therapy: findings from the CCC-ACS project - [link](#)

Internal Medicine Journal

- Pharmacists reducing medication risk in medical outpatient clinics: a retrospective study of 18 [clinics](#)

International Journal of Clinical Pharmacy

- Fluoropyridimidine use and hypertriglyceridemia among Japanese patients: analysis of adverse event database - [link](#)

International Journal of Medical Informatics

- A National Survey of EMR Usability: Comparisons between medical and nursing professions in the hospital and primary care sectors in Australia and Finland - [link](#)

JAMA Cardiology

- Associations of High-Sensitivity Troponin and Natriuretic Peptide Levels with Outcomes After Intensive Blood Pressure Lowering. Findings From the SPRINT Randomized Clinical Trial - [link](#)

JAMA Neurology

- Effects of Antiplatelet Therapy after Stroke Caused by Intracerebral Hemorrhage: Extended Follow-up of the RESTART Randomized Clinical Trial - [link](#)

JAMA Otolaryngology–Head & Neck Surgery

- Neoadjuvant PD-1/PD-L1 Inhibitors for Resectable Head and Neck Cancer: A Systematic Review and Meta-analysis - [link](#)

- Use of Prophylactic Steroids to Prevent Hypocalcemia and Voice Dysfunction in Patients Undergoing Thyroidectomy: A Randomized Clinical Trial - [link](#)

- - [link](#)

JAMA Surgery

- [Letter](#): Importance of the Assessment Time Window for Intravenous Tranexamic Acid and Thromboembolic Events - [reply](#)

Journal of the American College of Cardiology

- De-Escalation of Dual Antiplatelet Therapy in Patients with Acute Coronary Syndromes - [link](#)

Journal of Clinical Oncology

- Cardiovascular Risk Associated with Ibrutinib Use in Chronic Lymphocytic Leukemia: A Population-Based Cohort Study - [link](#)

- Veliparib in Combination With Platinum-Based Chemotherapy for First-Line Treatment of Advanced Squamous Cell Lung Cancer: A Randomized, Multicenter Phase III Study - [link](#)

Lancet

- [Seminar](#): Community-acquired pneumonia

- [Series](#): Treatment of fibrotic interstitial lung disease: current approaches and future directions

- Global perspective of familial hypercholesterolaemia: a cross-sectional study from the EAS [FHSC](#)

Lancet Global Health

- Economic impact of tuberculosis mortality in 120 countries and the cost of not achieving the Sustainable Development Goals tuberculosis targets: a full-income analysis - [link](#)

Lancet Microbe

- WHO global antimicrobial resistance surveillance for *Neisseria gonorrhoeae* 2017–18: a retrospective observational study - [link](#)

- Genetic variants and their association with phenotypic resistance to bedaquiline in *Mycobacterium tuberculosis*: a systematic review and individual isolate data analysis - [link](#)

Lancet Neurology

- Effects of oral anticoagulation for atrial fibrillation after spontaneous intracranial haemorrhage in the UK: a randomised, open-label, assessor-masked, pilot-phase, non-inferiority trial - [link](#)

- Global, regional, and national burden of stroke and its risk factors, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019 - [link](#)

Lancet Regional Health – Europe

- Long working hours and risk of 50 health conditions and mortality outcomes: a multicohort study in four European countries - [link](#)

Lancet Respiratory Medicine

- Cyclophosphamide added to glucocorticoids in acute exacerbation of idiopathic pulmonary fibrosis (EXAFIP): a randomised, double-blind, placebo-controlled, phase 3 trial - [link](#)

Molecular Diversity Preservation International (MDPI) – Pharmacy Journal

- Pharmacogenetics in Pharmaceutical Care—Piloting an Application-Oriented Blended Learning Concept - [link](#)

National Institute for Health Research (NIHR)

- Medications for chronic obstructive pulmonary disease: a historical non-interventional cohort study with validation against RCT results - [link](#)

- NIHR Signals

-- Even low doses of steroids increase the risk of cardiovascular disease in people with inflammatory diseases - [link](#)

New England Journal of Medicine

- Mycophenolate Mofetil for First-Line Treatment of Immune Thrombocytopenia - [link](#) - [editorial](#)

- Prospective, Multicenter, Controlled Trial of Mobile Stroke Units - [link](#)

- [Letter](#): Adjuvant Nivolumab in Muscle-Invasive Urothelial Carcinoma

Pediatrics (American Academy of Pediatrics)

- Influenza Antiviral Treatment and Length of Stay - [link](#)

Pharmaceutical Journal

- Investigation: should liquid morphine be reclassified? - [link](#)

- Number of young children prescribed antidepressants has risen since 2015 - [link](#)

Pharmacotherapy

- A Pragmatic Assessment of Proton-Pump Inhibitors vs. Histamine Type 2 Receptor Antagonists on Clinically Important Gastrointestinal Bleeding and Mortality When Used for Stress Ulcer Prophylaxis in the ICU - [link](#)

Public Library of Science (PLOS)

- The cardiovascular effects of amodiaquine and structurally related antimalarials: An individual patient data meta-analysis - [link](#)

Therapeutics and Clinical Risk Management

- Evaluating the Prognostic Role of Monocytopenia in Chemotherapy-Induced Febrile Neutropenia Patients Treated with Granulocyte Colony-Stimulating Factor - [link](#)

TAG Mail – 2 September 2021

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 Australia: Epidemiology Report 48: Reporting period ending 15 August 2021 - [link](#)
- Rapid antigen testing in aged care - [link](#)
- ATAGI update following weekly COVID-19 meeting – 25 August 2021 - [link](#)
- ATAGI [statement](#) & [recommendations](#) on the use of COVID-19 vaccines in all young adolescents
- Factsheet: Transfer of COVID-19 vaccines between participating primary care vaccination sites - [link](#)

Burnet Institute

- Burnet modelling shows COVID 'exit' needs vaccines and public health controls - [link](#)
- Long-term COVID-19 control requires high vaccination and intermittent control measures - [link](#)

National COVID-19 Clinical Evidence Taskforce

- Communique [Edition 49](#): New and updated recommendations as at 26/08/21:
- New: Sotrovimab; Updated: Immunomodulatory treatments – new comparison [table](#)
- Respiratory and Eye Protection Decision Aid - [link](#)
- FAQs on the taskforce ivermectin recommendation as at 26/8/21 – [link](#), [one-page pdf](#)
- FAQs around clinical decision making on the use of tocilizumab and baricitinib - [link](#)

NSW Health

- [Safety Alert 002/21](#): Urgent stock preservation of tocilizumab inj for COVID-19 patients required
- Statewide Protocol for supply or administration of COVID-19 vaccine [PD2021_034](#); 1 Sep 2021
- COVID-19 Weekly Surveillance in NSW - Epidemiological week 32, ending 14 August 2021 -[link](#)
- Rapid PCR testing for SARS-CoV-2 on GeneXperts: Clinician [factsheet](#)
- Renal replacement therapy in the ICU during COVID-19 pandemic - [link](#)

NSW Health Critical Intelligence Unit

- [COVID-19 Monitor 2 Sep 2021](#): COVID-19 vaccines, cases, hospitalisations, deaths and variants
- Risk Monitoring [Dashboard](#) 1 Sep 2021
- Living Evidence:
- COVID-19 vaccines. Last updated 30 Aug 2021 - [link](#)
- SARS-CoV-2 variants. Last updated 1 Sep 2021 – [link](#)
- COVID-19 transmission. Last updated 30 Aug 2021 - [link](#)
- Post acute sequelae of COVID-19. Last updated 30 Aug 2021 - [link](#)
- Evidence Checks - Epidemiology and transmission:
- Ocular transmission (27/08/2021) – [link](#)
- Steroid use post COVID-19 vaccination (27/08/2021) – [link](#)
- Delta variant (19/08/2021) – [link](#)
- COVID-19 vaccines in Australia - AstraZeneca and Pfizer (19/08/2021) - [link](#)
- Evidence Checks - System capacity and evaluation:
- Ethics and duties of treating COVID-19 patients (27/08/2021) – [link](#)
- Rapid antigen testing (19/08/2021) – [link](#)

National Centre for Immunisation Research and Surveillance (NCIRS)

- Webinar Recording: What's next for Australia's COVID-19 vaccine program? Moderna COVID-19 vaccine & model predictions - [link](#)

Pharmacy Board of Australia

- COVID-19 and vaccines: Get the best advice for you and your family. Joint Statement from AHPRA, National Boards, Health Care Complaints Commission, Health Ombudsman and TGA - [link](#)

Thrombosis & Haemostasis Society of Australia and New Zealand (THANZ)

- Advisory Statement for Haematologists on Suspected VIPIT/VITT (updated 19/08/2021) - [link](#)

TGA

- COVID-19 vaccine weekly safety report - [26-08-2021](#)
- Advice: Use of tocilizumab (Actemra) IV vials post expiry date during the COVID-19 pandemic - [link](#)
- COVID-19 rapid antigen point-of-care tests - [link](#); [Q&As](#) - Conditions of supply for rapid antigen tests

- Warning to consumers and advertisers about COVID-19 test kits - [link](#)
- Provisional approval for COVID-19 treatments: [sotrovimab](#) (Xevudy),
- Labels for COVID-19 treatments - [link](#)
- COVID-19 vaccines:
 - Comirnaty BNT162b2 (mRNA): Approved for use in individuals ≥ 12 years - [link](#)
 - Provisional approvals for [Janssen](#), [Comirnaty](#) BNT162b2 (Pfizer), [Vaxzevria](#) (AstraZenica)
 - Information for consumers and health professionals- [link](#)

Online event:

- An intimate discussion re: Lockdowns and Mental Health: Age-related effects of the COVID-19 pandemic, Tuesday, Sep 7, 2021 from 7:30 PM to 9:00 PM (AEST) – register [here](#)

INTERNATIONAL

WHO

- Weekly epidemiological update on COVID-19, edition 55 - [31 August 2021](#), includes newly classified Variant of Interest (VOI), Mu.
- COVID-19 vaccine tracker and landscape (updated 27/08/21) - [link](#)
- Science in 5: Episode [#51](#) – Breastfeeding and COVID-19
- WHO compendium of innovative health technologies for low-resource settings 2021. COVID-19 and other health priorities - [link](#)
- Digital documentation of COVID-19 certificates: vaccination status: technical specifications & implementation guidance- [link](#), [annex A](#): DDCC:VS core data dictionary, [annex B](#): technical briefing
- Support for rehabilitation: self-management after COVID-19-related illness, second edition - [link](#)
- Medical Product Alert N°5/2021: Falsified COVISHIELD vaccine (Update), Africa SE Asia - [link](#)

Canada

Health Canada

- Health Product InfoWatch [August 2021](#): Product monograph updates for COVID-19 vaccines: AstraZeneca COVID-19 Vaccine and COVISHIELD; Janssen COVID-19 Vaccine; Pfizer-BioNTech COVID-19 Vaccine
- [Ivermectin](#) not authorized to prevent or treat COVID-19; may cause serious health problems

UK

Public Health England

- Information for healthcare professionals on Guillain-Barré Syndrome (GBS) following COVID-19 vaccination (20 August 2021) - [link](#)

Specialist Pharmacy Services NHS UK

- Handling changes following launch of Comirnaty® brand Pfizer-BioNTech vaccine - [link](#)

USA

American Society of Health-System Pharmacists (ASHP)

- ASHP discussion forum ([Sign up](#) for free) recent topics of discussion include: Post vaccine monitoring; Tocilizumab shortage-- criteria for scarce resource in COVID patients; SQ administration of monoclonals by pharmacy; REGEN-COV and premedications; Anti-coagulation based on REMAP-CAP/ACTIV-4a and ATTACC

Centers for Disease Control and Prevention (CDC)

- Morbidity and Mortality Weekly Reports (MMWR)
- Mental health & substance use among adults with disabilities during the COVID-19 Pandemic - US, Feb–March 2021 - [link](#)
- COVID-19 vaccination coverage among adolescents aged 12-17 Years - US, 14/12/20-31/7/21- [link](#)
- COVID-19 case rates in transitional kindergarten through Grade 12 Schools & in the Community - Los Angeles County, California, September 2020–March 2021 - [link](#)
- Outbreak Associated with SARS-CoV-2 B.1.617.2 (Delta) Variant in an Elementary School - Marin County, California, May–June 2021 - [link](#)

FDA

- Center for Veterinary Medicine Letter to Veterinarians and Retailers: Help Stop Misuse of Animal Ivermectin to Prevent or Treat COVID-19 in Humans - [link](#)

- Resumption in Use and Distribution of Bamlanivimab/Etesevimab in Certain States - [link](#),
- EUA for bamlanivimab + Etesevimab: [Fact sheet](#) for health care providers and [FAQs](#)
- EUA for baricitinib alone as treatment for COVID-19: [Fact sheet](#) for health care providers - [FAQs](#)

National Institutes of Health

- Therapeutic Management of Hospitalized Adults with COVID-19 (updated 25/8/21) - [link](#)

JOURNAL ARTICLES

American Journal of Health-System Pharmacy

- COVID-19 vaccine use in immunocompromised patients: A commentary on evidence and recommendations - [link](#)

Annals of Internal Medicine

- The Race to Understand Post-COVID-19 Conditions - [link](#)
- Effect of Immunosuppression on the Immunogenicity of mRNA Vaccines to SARS-CoV-2. A Prospective Cohort Study - [link](#)

Archives of Disease in Childhood

- Initial experience of the safety and tolerability of the BNT162b2 (Pfizer-Bio-N-Tech) vaccine in extremely vulnerable children aged 12–15 years - [link](#)

arXiv

- Nowcasting transmission and suppression of the Delta variant of SARS-CoV-2 in Australia - [link](#)

Australian Health Review

- Palliative care and COVID-19 in the Australian context: a review of patients with COVID-19 referred to palliative care - [link](#)

bioRxiv

- Lambda variant of SARS-CoV-2 has a better chance than the Delta variant to escape vaccines - [link](#)

BMJ

- Risk of thrombocytopenia and thromboembolism after covid-19 vaccination and SARS-CoV-2 positive testing: self-controlled case series [study](#) and [editorial](#)

British Journal of Clinical Pharmacology

- Model-informed drug repurposing: A pharmacometric approach to novel pathogen preparedness, response and retrospection - [link](#)

Clinical Rheumatology

- Brief [Report](#): Janus kinase inhibitors and major COVID-19 outcomes: time to forget the two faces of Janus! A meta-analysis of randomized controlled trials

Cochrane

- [Clinical Question](#): For adults hospitalized with acute or suspected COVID-19, what are the benefits and harms of systemic corticosteroids?

EClinicalMedicine

- Pooled RT-qPCR testing for SARS-CoV-2 surveillance in schools - a cluster randomised trial - [link](#)
- Casirivimab–Imdevimab treatment is associated with reduced rates of hospitalization among high-risk patients with mild to moderate coronavirus disease-19 - [link](#)

European Respiratory Journal

- Early high antibody-titre convalescent plasma for hospitalised COVID-19 patients DAWn-plasma-[link](#)

Infectious Diseases and Therapy

- Efficacy and Safety of Favipiravir in Moderate COVID-19 Pneumonia Patients without Oxygen Therapy: A Randomized, Phase III Clinical Trial - [link](#)

International Journal of Infectious Diseases

- Efficacy and Safety of Pegylated Interferon- α 2b in Moderate COVID-19: A phase 3, randomized, comparator-controlled, open-label study - [link](#)

International Journal of Obesity

- Association between obesity and hospital mortality in critical COVID-19: a retrospective [cohort study](#)

JAMA

- Factors Associated with Household Transmission of SARS-CoV-2. An updated systematic review and meta-analysis - [link](#)

- Evaluation of Allocation Schemes of COVID-19 Testing Resources in a Community-Based Door-to-Door Testing Program - [link](#)

Lancet

- Hospital admission and emergency care attendance risk for SARS-CoV-2 delta (B.1.617.2) compared with alpha (B.1.1.7) variants of concern: a cohort study - [link](#)

- Awake prone positioning for COVID-19 acute hypoxaemic respiratory failure: a randomised, controlled, multinational, open-label meta-trial - [link](#)

- [Comment](#): Awake prone positioning in COVID-19: is tummy time ready for prime time?

- Global characteristics and outcomes of SARS-CoV-2 infection in children and adolescents with cancer (GRCCC): a cohort study - [link](#)

- 1-year outcomes in hospital survivors with COVID-19: a longitudinal [cohort study](#), [commentary](#)

Lancet Haematology

- Vaccine efficacy and iron deficiency: an intertwined pair? - [link](#)

medRxiv

- Can a vaccine-led approach end NSW's outbreak in 100 days, or at least substantially reduce morbidity and mortality? - [link](#)

- Comparative analyses of all FDA EUA-approved rapid antigen tests and RT-PCR for COVID-19 quarantine and surveillance-based isolation - [link](#)

- Lessons from the COVID-19 third wave in Canada: the impact of variants of concern and shifting demographics - [link](#)

- Behavioural barriers to COVID-19 testing in Australia: Two national surveys to identify barriers and estimate prevalence by health literacy level- [link](#)

- Effectiveness of the WHO-authorized Covid-19 Vaccines: a Rapid Review of Global Reports till June 30, 2021 - [link](#)

- Waning of BNT162b2 vaccine protection against SARS-CoV-2 infection in Qatar - [link](#)

- Long-term immunogenicity of BNT162b2 vaccination in the elderly and in younger health care workers - [link](#)

- COVID-19-associated hospitalizations among vaccinated and unvaccinated adults ≥ 18 years - COVID-NET, 13 states, January 1-July 24, 2021 - [link](#)

Medical Journal of Australia Insight

- Rapid antigen testing key for asymptomatic screening - [link](#)

Nature Communications

- Neutralization of SARS-CoV-2 variants by convalescent and BNT162b2 vaccinated serum - [link](#)

New England Journal of Medicine (NEJM)

- [Editorial](#): Surviving Covid-19 with Heparin?

- Therapeutic Plasma Exchange in Vaccine-Induced Immune Thrombotic Thrombocytopenia - [link](#)

- [Correspondence](#): No Correlation between Anti-PF4 and Anti-SARS-CoV-2 Antibodies after ChAdOx1 nCoV-19 Vaccination

- Audio Interview: Assessing Vaccine Safety - [link](#)

Occupational & Environmental Medicine

- Patterns of negative seroconversion in ongoing surveys of SARS-CoV-2 antibodies among workers in New York's largest healthcare system - [link](#)

Scientific Reports

- Durability of antibody response to vaccination and surrogate neutralization of emerging variants based on SARS-CoV-2 exposure history - [link](#)
- Durable tracking anti-SARS-CoV-2 antibodies in cancer patients recovered from COVID-19 - [link](#)

Signal Transduction and Targeted Therapy

- [Review](#): Applications of laboratory findings in the prevention, diagnosis, treatment, and monitoring of COVID-19

Travel Medicine and Infectious Disease

- COVID-19-associated mucormycosis: Case report and systematic [review](#)

REPORTS AND PUBLICATIONS – AUSTRALIA

Agency for Clinical Innovation, NSW (ACI)

- Virtual care for cardiac rehabilitation - [link](#)

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

- New report on antimicrobial use and resistance in Australia - [link](#)
- AURA 2021: Fourth Australian report on antimicrobial use and resistance in human health - [link](#)

Australian Institute for Health and Welfare (AIHW)

- Practice Incentives Program Quality Improvement Measures: National report on the first year of data 2020-21 - [link](#)
- Specialist Homelessness Services: monthly data - [link](#)
- Fact sheet: How do we measure the cost of disease? - [link](#)
- Indigenous eye health measures 2021 - [link](#)
- Hearing health outreach services for Aboriginal and Torres Strait Islander children in the Northern Territory - [link](#)
- Suicide and Self-harm monitoring website data update – data from suicide registers - [link](#)

NSW Health

- Quit for new life (QFNL) evaluation summary report. QFNL is a large, culturally appropriate tobacco smoking cessation initiative for pregnant women having an Aboriginal baby - [link](#)

PBS

- PBAC Public Summary Documents - May 2021 [meeting](#)
- Review of the National Medicines Policy (NMP). Call for Submissions - Close Friday 8/10/21 - [link](#)

TGA

- Testing for toxins in medicinal cannabis products being supplied via SAS B in Australia - [link](#)
- Testing of paediatric medicinal cannabis products being supplied via SAS in Australia - [link](#)
- Advertising nicotine e-cigarettes and liquid nicotine to the Australian public - [link](#)
- Aconitum alkaloids in listed medicines - [link](#)
- Prescription medicines: [applications under evaluation](#) (updated 27/8/21)
- [Database](#) of section 19A approvals to import and supply medicines to address medicine shortages
- AusPARs:
 - [Upadacitinib](#) (Rinvoq) – to treat adults with active ankylosing spondylitis or moderate to severe active psoriatic arthritis who have responded inadequately/intolerant to ≥1 DMARD

Victorian Institute of Forensic Medicine

- Residential Aged Care Communiqué Volume 16 Issue 3 August 2021 - [link](#)

REPORTS AND PUBLICATIONS – INTERNATIONAL

Canadian Agency for Drugs and Technologies in Health

- Encorafenib for Small Bowel Adenocarcinoma or Appendiceal Adenocarcinoma with BRAF V600E Mutation - [link](#)

- Shortened Drug Regimens for the Treatment of Active Tuberculosis - [link](#)
- Prevention of Tuberculosis Reactivation - [link](#)
- Utilization of Biologic Disease-Modifying Antirheumatic Drugs for Plaque Psoriasis - [link](#)
- Antipsychotic Drugs or Benzodiazepines for Rapid Tranquilization in Mental Health Facilities or Emergency Department Settings - [link](#)

Food and Drug Administration (FDA) USA

- [brivaracetam](#) (Briviact) indications expanded for partial-onset seizures to include pediatric patients aged 1 month and older
- New approvals
 - [ivosidenib](#) (Tibsovo) for previously treated, locally advanced or metastatic cholangiocarcinoma with an isocitrate dehydrogenase-1 (IDH1) mutation
 - lonapegsomatropin-tcgd ([Skytrofa](#)) to treat short stature due to inadequate secretion of endogenous growth hormone

MIMS monthly updates [September 2021](#)

- New Products: Brexucabtagene autoleucel (Tecartus) CD19-directed genetically modified autologous T-cell immunotherapy; Budesonide/glycopyrronium/formoterol (eformoterol) fumarate dihydrate (Breztri Aerosphere) for COPD maintenance treatment; Cariprazine (HCl) (Reagila) for adult schizophrenia; Ciclosporin (Ikervis) topical for dry eye disease; Elasmoran (Spikevax COVID-19 Vaccine) mRNA; Obeticholic acid (Ocaliva) for primary biliary cholangitis/ cirrhosis
- New indications: BNT162b2 [mRNA] (Comirnaty COVID-19 Vaccine) provisional approval for ≥ 12 years; Normal immunoglobulin (human) (Kiovig) now indicated for immunomodulation in chronic inflammatory demyelinating polyradiculoneuropathy (CIDP) in adults; Pembrolizumab (rch) (Keytruda) now has provisional approval for the treatment of patients with Bacillus Calmette-Guerin (BCG)-unresponsive, high-risk, non-muscle invasive bladder cancer

National Institute for Health and Clinical Excellence (NICE) UK

- Chronic kidney disease: assessment and management [[NG203](#)]
- Babies, children and young people's experience of healthcare [[NG204](#)]
- Pemigatinib for treating relapsed or refractory advanced cholangiocarcinoma with FGFR2 fusion or rearrangement [[TA722](#)]
- Bimekizumab for treating moderate to severe plaque psoriasis [[TA723](#)]

Specialist Pharmacy Services NHS UK

- Drug monitoring during the blood tube shortage - [link](#)
- New Medicines: Autologous human keratinocytes - [link](#)

World Health Organisation (WHO)

- Rapid communication on updated guidance for the management of TB in children and [adolescents](#)

MEDICATION SAFETY

electronic Medicines Compendium (eMC) (UK)

- Revised SPCs
 - Lotprosin XL ([galantamine](#)) - complete atrioventricular block added as rare adverse reaction.
 - Nimbex ([cisatracurium](#)) - breast-feeding (BF) should be discontinued during treatment and it is recommended to abstain from next BF for five elimination half-lives of cisatracurium.
 - Rinvoq ([upadacitinib](#)) now licensed for moderate to severe atopic dermatitis in adults and adolescents 12 years and older who are candidates for systemic therapy.
 - Sunosi ([solriamfetol](#)) - hypersensitivity reaction reports including rash erythematous, rash, urticaria
 - Temodal ([temozolomide](#)) - women of childbearing potential must use effective contraception for ≥ 6 months following completion of treatment and men should use effective contraceptive measures and be advised not to father a child ≥ 3 months (previously up to 6 months) after last dose.
 - Xeljanz ([tofacitinib](#)) - Myocardial infarction added as uncommon adverse effect. Owing to increased risk of serious infections, myocardial infarction, and malignancies in patients >65 years, tofacitinib should only be used in these patients if no alternatives are available.

Health Canada – MedEffect Notice

- Summary Safety Review - Fluoroquinolone antibiotics - [link](#)

Medicines and Healthcare products Regulatory Agency (MHRA) UK

- Risk Minimisation Materials

-- [Patient card](#): Safety Information about Venclyxto® (venetoclax) for patients with Chronic Lymphocytic Leukaemia (CLL) - what to do if develop TLS and how to reduce risk

MIMS monthly updates [September 2021](#)

- New contraindications: Bethanechol chloride (Urocarb) in bronchial asthma; ChAdOx1-S (Vaxzevria (previously COVID-19 Vaccine AstraZeneca)) if previous capillary leak syndrome; Dopamine HCl (DBL Sterile Dopamine Concentrate) in ventricular fibrillation; Fexofenadine HCl/pseudoephedrine HCl (Telfast Decongestant) in urinary retention related to urethroprostatic disorders; a history of seizures; and in patients using other vasoconstrictor agents used as nasal decongestants, whether administered orally or nasally; liothyronine (Optiray) in manifest hyperthyroidism; Tobramycin (DBL Tobramycin Injection BP) with intrathecal administration; Vancomycin HCl (DBL Vancomycin) with known hypersensitivity to other glycopeptides

- Northern Irish GPs advised not to prescribe pregabalin for neuropathic pain - [link](#)

NSW Health

- Safety Notice [019/21](#): Flow Sensors used in selected GE Healthcare / Datex-Ohmeda Anaesthesia Machines

Specialist Pharmacy Services NHS UK

- Making safe medicine choices during general anaesthesia and surgery in acute porphyria

TGA

- Medicines Safety Update: Minocycline and agranulocytosis - [link](#)

- Safety advisory: He Absolute King sachets contain the undeclared substance Tadalafil - [link](#)

PAPERS OF INTEREST

American Journal of Health-System Pharmacy (AJHP)

- The other side of “challenging learners”: Strategies for teaching and precepting the overachiever and high performer - [link](#)

- Evaluation of rates of virologic suppression in HIV-positive patients with varying numbers of comorbidities - [link](#)

British Journal of Clinical Pharmacology

- Efficacy and safety of roxadustat for anaemia in dialysis-dependent and non-dialysis-dependent chronic kidney disease patients: a systematic review and meta-analysis - [link](#)

- Dosing regimen optimisation for oseltamivir in immunocompromised paediatric patients with influenza: Extrapolation of efficacy - [link](#)

- Trough polymyxin B plasma concentration is an independent risk factor for its nephrotoxicity - [link](#)

- Population pharmacokinetics and dose optimisation of colecalciferol in paediatric patients with chronic kidney disease - [link](#)

- Clinical utility of a model-based piperacillin dose in neonates with early-onset sepsis - [link](#)

- Factors affecting creatine phosphokinase elevation during daptomycin therapy using combination of machine learning and conventional methods - [link](#)

- The effect of chemotherapy on the exposure-response relation of abiraterone in metastatic castration-resistant prostate cancer - [link](#)

Circulation

- Cardiovascular Safety of Degarelix versus Leuprolide in Patients with Prostate Cancer: The Primary Results of the PRONOUNCE Randomized Trial - [link](#)

- Effect of Empagliflozin on Worsening Heart Failure Events in Patients with Heart Failure and a Preserved Ejection Fraction: The EMPEROR-Preserved Trial - [link](#) - [perspective](#)

- Abbreviated Antiplatelet Therapy in Patients at High Bleeding Risk With or Without Oral Anticoagulant Therapy after Coronary Stenting: An Open-Label, Randomized, Controlled Trial - [link](#)

Clinics in Geriatric Medicine

- Review: Abuse/Misuse of Prescription Medications in Older Adults - [link](#)

Cochrane

- Non-steroidal anti-inflammatory drugs (NSAIDs) for trigger finger - [link](#)
- Treatment for bleeding oesophageal varices in people with decompensated liver cirrhosis: a network meta-analysis - [link](#)
- Probiotics for preventing gestational diabetes - [link](#)
- Colchicine for acute gout - [link](#)
- Pentoxifylline for the treatment of endometriosis-associated pain and infertility - [link](#)
- Vitamin D supplementation for chronic liver diseases in adults - [link](#)

Drug and Therapeutics Bulletin

- Prescribing trends of medicines containing sodium - [link](#)

European Heart Journal

- Obesity and effects of dapagliflozin on cardiovascular and renal outcomes in patients with type 2 diabetes mellitus in the DECLARE–TIMI 58 trial - [link](#)
- Effect of dapagliflozin on ventricular arrhythmias, resuscitated cardiac arrest, or sudden death in DAPA-HF - [link](#)
- 2021 ESC Guidelines for the diagnosis and treatment of acute and chronic heart failure - [link](#)
- 2021 ESC Guidelines on cardiovascular disease (CVD) prevention in clinical practice - [link](#)

European Journal of Hospital Pharmacy

- Permanent renal sequelae secondary to drug reaction with eosinophilia and systemic symptoms (DRESS) syndrome induced by quetiapine - [link](#)

JAMA Dermatology

- Evaluation of Pharmacologic Treatments for H1 Antihistamine–Refractory Chronic Spontaneous Urticaria: A Systematic Review and Network Meta-analysis - [link](#)
- Assessment of Treatment Approaches and Outcomes in Stevens-Johnson Syndrome and Toxic Epidermal Necrolysis: Insights From a Pan-European Multicenter Study - [link](#)

JAMA Internal Medicine

- To Deprescribe or Not to Deprescribe Aspirin—A Clear Indication Is the Challenge – [comment](#) - [reply](#)

JAMA Oncology

- Cardioprotective Strategy for Patients with Nonmetastatic Breast Cancer Who Are Receiving an Anthracycline-Based Chemotherapy. A Randomized Clinical Trial - [link](#)

JAMA Otolaryngology–Head & Neck Surgery

- Is There Sufficient Evidence for Continuous Local Anesthetic Wound Infusions as Postoperative Standard of Care in Patients With Head and Neck Cancer? - [comment](#) - [reply](#)

JAMA Surgery

- Dual Allergy to Penicillin and Cefazolin—Does Anaphylaxis Matter? – [comment](#) - [reply](#)

Journal of Patient Safety

- Identifying High-alert Medications in a University Hospital by Applying Data from the Medication Error Reporting System - [link](#)
- Intravenous Administration Errors Intercepted by Smart Infusion Technology in an Adult Intensive Care Unit - [link](#)
- Continuous Capnography Reduces the Incidence of Opioid-Induced Respiratory Rescue by Hospital Rapid Resuscitation Team - [link](#)
- Life-Threatening and Fatal Adverse Drug Events in a Danish University Hospital - [link](#)

Lancet

- Worldwide trends in hypertension prevalence and progress in treatment and control from 1990 to 2019: a pooled analysis of 1201 population-representative studies with 104 million participants - [link](#)

- Age-stratified and blood-pressure-stratified effects of blood-pressure-lowering pharmacotherapy for the prevention of cardiovascular disease and death: an individual participant-level data [meta-analysis](#)
- Current and future status of JAK inhibitors - [link](#)
- Redefining β -blocker response in heart failure patients with sinus rhythm and atrial fibrillation: a machine learning cluster analysis - [link](#)
- Fixed-dose combination therapies with and without aspirin for primary prevention of cardiovascular disease: an individual participant data meta-analysis - [link](#)
- Initial treatment with a single pill containing quadruple combination of quarter doses of blood pressure medicines versus standard dose monotherapy in patients with hypertension (QUARTET): a phase 3, randomised, double-blind, active-controlled trial - [link](#)

Lancet Psychiatry

- Antipsychotic use and risk of breast cancer in women with schizophrenia: a nationwide nested case-control study in Finland - [link](#)

New England Journal of Medicine

- Heparin Resistance — Clinical Perspectives and Management Strategies - [link](#)
- Cardiovascular Events with Finerenone in Kidney Disease and Type 2 Diabetes - [link](#)
- Dual Antiplatelet Therapy after PCI in Patients at High Bleeding Risk - [link](#) - [editorial](#)
- Edoxaban versus Vitamin K Antagonist for Atrial Fibrillation after TAVR - [link](#)
- Effect of Salt Substitution on Cardiovascular Events and Death - [link](#) - [editorial](#)
- Empagliflozin in Heart Failure with a Preserved Ejection Fraction - [link](#) - [editorial](#)
- [Letter](#): Empagliflozin and Major Renal Outcomes in Heart Failure
- Trial of Intensive Blood-Pressure Control in Older Patients with Hypertension - [link](#)
- A Monoclonal Antibody for Malaria Prevention - [link](#)

Pediatrics (American Academy of Pediatrics)

- Empiric Vancomycin Reduction in a Pediatric Intensive Care Unit - [link](#)

Pharmaceutical Journal

- Apixaban use in low body weights — should we be monitoring anti-Xa levels? - [link](#)

Pharmacotherapy

- Drug repurposing of dextromethorphan as a cellular target for the management of influenza - [link](#)

Prescribe International Issue 229 [September 2021](#) includes:

- Viral vector covid-19 vaccine ChAdOx1-S (Vaxzevria^o) and covid-19. Efficacy in the short term, but a risk of rare, sometimes fatal, thrombosis - [link](#)
- Psoriasis and ixekizumab: turn first to standard systemic treatments – [link](#)
- [Editorial](#): Preventable deaths
- Drug-induced sudden cardiac death and long QT syndrome
- Stopping antidepressant therapy: plan tapered withdrawal
- Outlook: Trabectedin (Yondelis): more dangerous than beneficial in ovarian cancer, yet the EMA maintains its position

Thorax

- Use of inhaled corticosteroids and risk of acquiring Pseudomonas aeruginosa in patients with chronic obstructive pulmonary disease - [link](#)

TAG Mail – 26 August 2021

COVID-19 RESOURCES & ARTICLES OF INTEREST

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

AUSTRALIAN

Agency for Clinical Innovation, NSW (ACI)

- Caring for adults with COVID-10 in the community. Updated guide to care for adults with Delta variant - [link](#)

Australian Government Department of Health

- ATAGI update following weekly COVID-19 meeting 18 August 2021 - [link](#)
- PHLN and CDNA joint statement on SARS-CoV-2 rapid antigen tests (updated 23/8/21) - [link](#)
- Shared decision making guide to COVID-19 vaccination for women who are pregnant, breastfeeding or planning pregnancy - [link](#), factsheets in [English](#) and [other languages](#)
- COVID-19 National Health Plan: Prescriptions via telehealth. Guides for [prescribers](#) & [pharmacists](#)
- ATAGI clinical guidance on COVID-19 vaccine in Australia in 2021 (updated 20/8/21) - [link](#)

MJA Podcasts

- [Episode 33: COVID-19 in children](#)

National COVID-19 Clinical Evidence Taskforce

- Taskforce makes new conditional recommendation for sotrovimab - [link](#)
- New immunodulatory treatments comparison table - [link](#)
- Tocilizumab and baricitinib [FAQs](#)
- Ivermectin [FAQs](#)

NSW Health

- COVID-19 vaccination for workers - [link](#)
- COVID-19 Weekly Surveillance in NSW - Epidemiological week 31, ending 7 August 2021 - [link](#)
- Safety Notice [018/21](#): Myocarditis and pericarditis after mRNA COVID-19 vaccines
- Statewide Protocol for the Supply or Administration of COVID-19 Vaccine. [PD2021_032](#) (13/08/21)
- New 'find the facts' [webpage](#) which provides data on COVID-19 cases, testing and vaccination and maps showing case numbers and vaccination rates based on location.
- MoH follow-up meeting on workforce advice for interested DaTA-CoP members this **Friday 27 August 2021** at 2:00pm -3:45pm. The questions on workforce planning and issues received via the CoPs will be addressed in this meeting. The link to the Eventbrite invitation is below. Register via the [Link to Event Here](#)

NSW Health Critical Intelligence Unit

- COVID-19 [Monitor 26 Aug 2021](#): COVID-19 vaccines, cases, hospitalisations, deaths and variants
- [Risk Monitoring Dashboard](#) 25 August 2021
- Living Evidence:
 - COVID-19 vaccines. Last updated 23 Aug 2021 - [link](#)
 - SARS-CoV-2 variants. Last updated 26 Aug 2021 - [link](#)
 - COVID-19 transmission. Last updated 26 Aug 2021 - [link](#)
 - Post-acute sequelae of COVID-19. Last updated 23 Aug 2021 - [link](#)
 - COVID-19 rapid testing. Last updated 25 Aug 2021 - [link](#)

NSW Health & National Centre for Immunisation Research and Surveillance (NCIRS)

- Webinar [recording](#) available: COVID-19 vaccination for pharmacist immunisers- [link](#)

NCIRS & Sydney Institute for Infectious Diseases (Sydney ID) Lecture Series Launch:

- [Webinar](#) by Professor Sir Andrew Pollard: COVID-19–living with the delta variant; the UK experience, Friday, 10 September 2021 5:30pm - 6:15pm (AEST)

TGA

- COVID-19 vaccine weekly safety report - [19-08-2021](#)
- Risks of importing Ivermectin for treatment of COVID-19 - [link](#)
- Conditions of supply for rapid antigen tests [Q&As](#)
- COVID-19 test kits included in the ARTG for legal supply in Australia - [link](#)
- TGA approves name change of COVID-19 Vaccine AstraZeneca to Vaxzevria - [link](#)
- Batch release assessment of COVID-19 vaccines - [link](#)
- COVID-19 treatments:
 - Treatments undergoing evaluation - [link](#)
 - Provisional registration information: [sotrovimab](#) (Xevudy) and [remdesivir](#) (Veklury)
 - Information for consumers and health professionals - [link](#)

-- [Provisional determinations](#): [regdanvimab](#) and [casirivimab + imdevimab](#) (Ronapreve)

Online event:

- An intimate discussion re: Lockdowns and Mental Health: Age-related effects of the COVID-19 pandemic, Tuesday, Sep 7, 2021 from 7:30 PM to 9:00 PM (AEST) – register [here](#)

INTERNATIONAL

WHO

- Weekly operational updates on COVID-19: [16 August 2021](#) and [23 August 2021](#)
- Weekly epidemiological update on COVID-19 - [17 August 2021](#)
- Science in 5: Episode [#50](#) - Do I still need the vaccine if I have COVID-19?
- COVID-19 vaccine tracker and landscape - [link](#)

UK

- Department of Health and Social Care
- Antibody testing for SARS-CoV-2: information for general practitioners - [link](#)
- Government launches UK-wide antibody surveillance programme - [link](#)
- MHRA
- Approves [Ronapreve](#) (casirivimab and imdevimab) for the prevention and treatment of COVID-19
- Oxford University
- Impact of Delta on viral burden & vaccine effectiveness against new SARS-CoV-2 infections in [UK](#)
- Symptoms and SARS-CoV-2 positivity in the general population in the [UK](#)
- Public Health England
- COVID-19 vaccination: myocarditis and pericarditis information for healthcare professionals - [link](#)
- Information for healthcare professionals: [Guillain-Barré Syndrome](#) following COVID-19 vaccination
- SARS-CoV-2 variants of concern and variants under investigation in England. [Technical briefing 21](#)
- Specialist Pharmacy Services NHS UK
- Administering COVID-19 vaccines to children and young people - [link](#)
- Advice for non-registered healthcare professionals on giving COVID-19 vaccines legally - [link](#)

CANADA

Health Canada – MedEffect Notice
- Veklury ([remdesivir](#)) - Summary Safety Review

USA

- American Society of Health-System Pharmacists (ASHP)
- ASHP discussion forum ([Sign up](#) for free) recent topics of discussion include: REGEN-COV subcutaneously?; Consent/Patient Information Sheet for Third Dose of mRNA Vaccine; Booster in patients with history of myocarditis s/p vaccine;
- Centers for Disease Control and Prevention (CDC)
- Sustained Effectiveness of Pfizer-BioNTech and Moderna Vaccines Against COVID-19 Associated Hospitalizations Among Adults - United States, March–July 2021 - [link](#)
- Use of Rapid Antigen Testing for SARS-CoV-2 in Remote Communities - Yukon-Kuskokwim Delta Region, Alaska, September 15, 2020–March 1, 2021 - [link](#)
- Morbidity and Mortality Weekly Reports (MMWR)
- SARS-CoV-2 Infections and Hospitalizations Among Persons Aged ≥16 Years, by Vaccination Status - Los Angeles County, California, May 1–July 25, 2021 - [link](#)
- Effectiveness of COVID-19 Vaccines in Preventing SARS-CoV-2 Infection Among Frontline Workers Before & During B.1.617.2 (Delta) Variant Predominance- 8 U.S. Locations, Dec 2020–Aug 2021- [link](#)
- Effectiveness of Pfizer-BioNTech and Moderna Vaccines in Preventing SARS-CoV-2 Infection Among Nursing Home Residents Before and During Widespread Circulation of the SARS-CoV-2 B.1.617.2 (Delta) Variant - National Healthcare Safety Network, March 1–August 1, 2021 - [link](#)
- FDA
- Joint Statement from U.S. Department of Health and Human Services (HHS) and Medical Experts on COVID-19 Booster Shots - [link](#)
- FDA Approves First COVID-19 Vaccine - [link](#)
- FDA updated the Pfizer-BioNTech emergency use authorization (EUA) to support the extension of shelf-life of the Pfizer-BioNTech COVID-19 Vaccine stored at -90 degrees to -60 degrees Celsius from 6 months to 9 months - [link](#)

JOURNAL ARTICLES

American Journal of Obstetrics & Gynecology MFM

- Placental histopathology after SARS-CoV-2 infection in pregnancy: systematic [review](#) & meta-analysis

BMJ

- Covid-19: How many variants are there, and what do we know about them? - [link](#)

- News: Covid-19 booster vaccines: What we know and who's doing what - [link](#)

- Fully vaccinated people can carry as much delta virus as unvaccinated people, data indicate - [link](#)

- [Letter](#): Evidence on the efficacy of ivermectin for COVID-19: another story of apples and oranges

- Effectiveness of BNT162b2 and mRNA-1273 covid-19 vaccines against symptomatic SARS-CoV-2 infection and severe covid-19 outcomes in Ontario, Canada: test negative design study - [link](#), [editorial](#)

- Effectiveness of the CoronaVac vaccine in older adults during a gamma variant associated epidemic of covid-19 in Brazil: test negative case-control study - [link](#)

- Associations of BNT162b2 vaccination with SARS-CoV-2 infection and hospital admission and death with covid-19 in nursing homes and healthcare workers in Catalonia: prospective [cohort study](#)

- [Opinion](#): Does the FDA think these data justify the first full approval of a covid-19 vaccine?

BMC Infectious Diseases

- A systematic review of the sensitivity and specificity of lateral flow devices in the detection of SARS-CoV-2 - [link](#)

British Journal of Clinical Pharmacology

- A case of acute necrotising pancreatitis following the second dose of Pfizer-BioNTech COVID-19 mRNA vaccine - [link](#)

Cellular & Molecular Immunology

- Neutralization of the SARS-CoV-2 Delta variant after heterologous and homologous BNT162b2 or ChAdOx1 nCoV-19 vaccination - [link](#)

Clinical Infectious Diseases

- Ivermectin for the Treatment of Coronavirus Disease 2019: A Systematic Review and Meta-analysis of Randomized Controlled Trials - [link](#)

Clinical Microbiology and Infection

- Rate and severity of suspected SARS-Cov-2 reinfection in a cohort of PCR-positive COVID-19 patients - [link](#)

Cochrane

- Interventions for palliative symptom control in COVID-19 patients - [link](#)

European Journal of Hospital Pharmacy

- Prescribing practices of lopinavir/ritonavir, hydroxychloroquine and azithromycin during the COVID-19 epidemic crisis and pharmaceutical interventions in a French teaching hospital - [link](#)

European Journal of Medical Research

- The effects of hyperbaric oxygen therapy (HBOT) on coronavirus disease-2019 (COVID-19): a systematic [review](#)

Eye

- Brief Communication: Corneal graft rejection following COVID-19 vaccine - [link](#)

Frontiers in Endocrinology

- Insulin Treatment May Increase Adverse Outcomes in Patients with COVID-19 and Diabetes: A Systematic Review and Meta-Analysis - [link](#)

Frontiers in Medicine

- Effect of Anticoagulant Administration on the Mortality of Hospitalized Patients with COVID-19: An Updated Systematic Review and Meta-Analysis - [link](#)

JAMA

- Confronting the Delta Variant of SARS-CoV-2, Summer 2021 - [link](#)
- Association of Age and Pediatric Household Transmission of SARS-CoV-2 Infection - [link](#), [editorial](#)
- [Viewpoint](#): COVID-19 in Canada. Experience and Response to Waves 2 and 3

JCO Global Oncology

- Mortality in Cancer Patients with COVID-19 Who Are Admitted to an ICU or Who Have Severe COVID-19: A Systematic Review and Meta-Analysis - [link](#)

Journal of Epidemiology & Community Health

- COVID-19 pandemic and its impact on social relationships and health - [link](#)

Lancet

- Profile of humoral and cellular immune responses to single doses of BNT162b2 or ChAdOx1 nCoV-19 vaccines in residents and staff within residential care homes (VIVALDI): an [observational study](#)
- Comment: Testing indicators to monitor the COVID-19 pandemic – [link](#)
- Pre-print: Examining the Immunological Effects of COVID-19 Vaccination in Patients with Conditions Potentially Leading to Diminished Immune Response Capacity – The OCTAVE [Trial](#)

medRxiv pre-prints

- Large-scale study of antibody titer decay following BNT162b2 mRNA vaccine or SARS-CoV-2 infection - [link](#)
- Significant reduction in humoral immunity among healthcare workers and nursing home residents 6 months after COVID-19 BNT162b2 mRNA vaccination - [link](#)
- Cardiac Inflammation after COVID-19 mRNA Vaccines: A Global Pharmacovigilance Analysis - [link](#)
- A third COVID-19 vaccine shot markedly boosts neutralizing antibody potency and breadth - [link](#)
- Delta variant and mRNA Covid-19 vaccines effectiveness: higher odds of vaccine infection breakthroughs - [link](#)
- Impact of Delta on viral burden and vaccine effectiveness against new SARS-CoV-2 infections in the UK - [link](#)

Medical Journal of Australia

- Podcast [Episode 33](#): COVID-19 in children

Nature Immunology

- Comment: Shots heard round the world: better communication holds the key to increasing vaccine acceptance - [link](#)

Nature Humanities & Social Sciences Communications

- It matters to be in good hands: the relationship between good governance and pandemic spread inferred from cross-country COVID-19 data - [link](#)

New England Journal of Medicine (NEJM)

- Adjunct immune globulin for vaccine-induced immune thrombotic thrombocytopenia - [link](#)
- Safety of the BNT162b2 mRNA Covid-19 Vaccine in a Nationwide Setting - [link](#)
- [Commentary](#): No Place Like Home: Hospital at Home as a Post-Pandemic Frontier for Care Delivery Innovation
- [Editorial](#): The Importance of Context in Covid-19 Vaccine Safety

npj Vaccines

- Codominant IgG & IgA expression with minimal vaccine mRNA in milk of BNT162b2 vaccinees - [link](#)

Scientific Reports

- Longitudinal analysis of antibody decay in convalescent COVID-19 patients - [link](#)
- Fine-grained data reveal segregated mobility networks and opportunities for local containment of COVID-19 - [link](#)

SN Comprehensive Clinical Medicine

- Evaluation of the Treatment Efficacy and Safety of Remdesivir for COVID-19: a Meta-analysis – [link](#)

REPORTS AND PUBLICATIONS – AUSTRALIA

Australian Institute for Health and Welfare (AIHW)

- Philanthropic and charitable donations - [link](#)
- Health and Welfare: Disease expenditure in Australia 2018-19 - [link](#)

Australian Commission on Safety and Quality in Health Care

- Interventions to improve medication safety – 2021 evidence briefs - [link](#)
- Double-checking medication administration - [link](#)
- Reducing interruptions during medication prescribing, preparation, and administration - [link](#)
- Electronic medication administration records - [link](#)
- Closed-loop medication management systems - [link](#)
- Electronic prescribing systems and their impact on patient safety in hospitals - [link](#)
- Scanning medication administration systems - [link](#)

NHMRC Impact Case Studies

- Reducing speed, improving safety: [Case Study](#)

NSW Health

- NSW Hepatitis B and Hepatitis C Strategies 2014-2020 – [Data Report](#)

PBS

- Recommendations made by the PBAC [July 2021](#)
- PBS Arrangements for tocilizumab shortage (updated 20/8/21) - [link](#)

TGA

- Medicinal Cannabis Access Data Dashboard - [link](#)
- Advertising nicotine vaping products - [link](#)
- [Database](#) of section 19A approvals to import and supply medicines to address medicine shortages has been updated to include new approvals: tocilizumab, dupilumab, dosulepin, and activated charcoal. See [database](#) for full list.

- AusPARs:

- [Crizanlizumab](#) (Adakveo) - for prevention of recurrent vaso-occlusive crises in patients aged 16 years and older with sickle cell disease.
- [Satralizumab](#) (Enspryng) - monotherapy or in combination with immunosuppressive therapy for treatment of adults with neuromyelitis optica spectrum disorders who have (AQP4)-IgG (also termed NMO-IgG) positive status.
- [Influenza Haemagglutinin Recombinant](#) (Flublok Quadrivalent) -for active immunisation (≥18 years) for prevention of influenza disease caused by influenza virus types A & B contained in the vaccine.
- [Ofatumumab](#) (Kesimpta) for adult patients with relapsing forms of multiple sclerosis to delay the progression of physical disability and reduce the frequency of relapse

- Australian prescription medicine decision summaries:

- [Rabies immunoglobulin](#) (Kamrab) for passive, transient post-exposure prophylaxis of rabies infection, when given immediately after contact with a rabid or possibly rabid animal. Should be administered concurrently with a full course of rabies vaccine

- Registration of [new or extended uses, or new combinations](#) of registered medicine:

- Immunoglobulin (Kiovig), BNT162b2 (Comirnaty COVID-19 vaccine), ixekizumab (Taltz), pembrolizumab (Keytruda), budesonide/efomedoterol/glycopyrrolate (Breztri aerosphere), pertuzumab & trastuzumab (Phesgo SC)

- Registration of [new chemical entities](#) in Australia:

- Lemborexant (Dayvigo), fostemsavir trometamol (Rukobia), pegvaliase (Palynziq)

- Registration of [new generic medicines and biosimilar](#) medicines:
- eribulin mesylate, levothyroxine sodium, lenalidomide, dimethyl fumarate, lacosamide, rivaroxaban

REPORTS AND PUBLICATIONS – INTERNATIONAL

British National Formulary (BNF) newsletter – [August 2021](#)

- New monographs (BNF): belantamab mafodotin, osilodrostat, ofatumumab, bemiparin sodium
- New monographs (BNF for children): fidaxomicin, pembrolizumab
- MHRA advice on: atezolizumab & other immune-stimulatory anti-cancer drugs & CDK4/6 inhibitors; valganciclovir information corrected in BNFC; interactions for combination drugs & co-drugs

Canadian Agency for Drugs and Technologies in Health

- Codeine for Pain: A Synopsis of the Evidence - [link](#)

electronic Medicines Compendium (eMC) (UK)

- New products
- Epidyolex ([cannabidiol](#)) 100 mg/ml oral solution - license extension as adjunctive therapy of seizures associated with tuberous sclerosis complex for patients 2 years of age and older
- MenQuadfi (meningococcal Group A, C, W and Y conjugate vaccine) solution for injection for active immunisation of individuals from the age of 12 months and older against invasive meningococcal disease caused by Neisseria meningitidis serogroups A, C, W, and Y
- Rukobia ([fostemsavir](#) tromethamine)- in combination with other antiretrovirals, for treatment of adults with multidrug resistant HIV-1 infection for whom it is otherwise not possible to construct a suppressive anti-viral regimen.

Food and Drug Administration (FDA) USA

- FDA Grants Accelerated Approval for [dostarlimab](#) for mismatch repair deficient (dMMR) recurrent or advanced solid tumours
- New Drug approvals
- [Nivolumab](#) for adjuvant treatment of urothelial carcinoma
- [Rivaroxaban](#) (Xarelto) – extended indication for patients who have undergone recent lower-extremity revascularization due to symptomatic peripheral artery disease
- [Empagliflozin](#) - for adults with heart failure with reduced ejection fraction (HFrEF) regardless of whether patients have diabetes
- [Difelikefalin](#) (Korsuva) for moderate-to-severe pruritus associated with chronic kidney disease in adults undergoing haemodialysis

Medicines and Healthcare products Regulatory Agency (MHRA)

- [Nivolumab](#) in combination with chemotherapy in the treatment of oesophagus and stomach cancer

National Institute for Health and Clinical Excellence (NICE) UK

- Antenatal care [[NG201](#)]
- Venous thromboembolism in adults, update [[QS201](#)]
- Inducing labour, update [[QS60](#)]
- Obstructive sleep apnoea/hypopnoea syndrome and obesity hypoventilation syndrome in over 16s – [[NG202](#)]
- Final appraisal document: sapropterin for phenylketonuria, updated [[ID1475](#)]
- Final appraisal document: midostaurin for advanced systemic mastocytosis [[ID1573](#)]

Specialist Pharmacy Services NHS UK

- Product Design Considerations for Optimising ATMP Implementation in the NHS - [link](#)
- Metformin for hirsutism and acne in polycystic ovary syndrome (PCOS) - [link](#)

The King's Fund (UK)

- Health inequalities in a nutshell - [link](#)

The National Academies Press

- Novel Molecular Targets for Mood Disorders and Psychosis - [link](#)

MEDICATION SAFETY

electronic Medicines Compendium (eMC) (UK)

- Revised SPCs

- All valproate [semisodium](#), sodium valproate or valproic acid products - contraindication of hypersensitivity to valproate semisodium or any other excipients listed; ophthalmoplegia added as another symptom of a POLG-related disorder, a contraindication to use.
- Crestor ([rosuvastatin](#)) - severe cutaneous adverse reactions including drug reaction with eosinophilia and systemic symptoms (DRESS) a potential adverse effect of treatment.
- Episenta ([sodium valproate](#)) updated to include interaction with metamizole, an inducer of CYP2B6 and CYP3A4, which may cause a reduction in plasma concentrations of valproate with potential decrease in clinical efficacy. Clinical response and/or drug levels should be monitored as appropriate.
- Fragmin ([dalteparin](#)) updated administration instructions for use in thromboprophylaxis in the extracorporeal system during haemodialysis, where administered intravenously or into arterial side of the dialyser.
- Innovace ([enalapril](#)) contraindicated with sacubitril/valsartan. Hypersensitivity/angioneurotic oedema and hyperkalaemia warnings updated in relation to use of ACE inhibitors.
- Kadcylla ([trastuzumab](#) emtansine) - delayed epidermal injury or necrosis following extravasation observed within days to weeks after infusion and notes dose adjustments for following adverse reactions: nodular regenerative hyperplasia, peripheral neuropathy and pulmonary toxicity.
- Sarclisa ([isatuximab](#)) - serious infusion reactions including severe anaphylactic reactions observed.
- Xarelto ([rivaroxaban](#)) - warning patients with cancer may be at higher risk of bleeding and thrombosis and individual benefit should be weighed against risk for bleeding in patients with active cancer dependent on tumour location, antineoplastic therapy and stage of disease.

Food and Drug Administration (FDA) USA

- FDA alerts patients and health care professionals about clinical trial results showing an increased risk of death associated with Pepaxto (melphalan flufenamide) - [link](#)
- FDA Updates and Press Announcements on Nitrosamine in Varenicline (Chantix) - [link](#)

Institute for Safe Medication Practices (ISMP) USA

- Medication Safety Alert! [August 26, 2021](#)
- Pump Up the Volume: Tips for Increasing Error Reporting and Decreasing Patient Harm - [link](#)
- Keep up to date with Emergency Use Authorization (EUA) Fact Sheet changes
- Risks with leaving infusions connected to the patient
- Use "mcg," not µg

NSW Health

- Safety Information [004/21](#): Povidone-Iodine Solution Use in NSW Hospitals

Public Health England

- Potent synthetic opioids implicated in increase in drug overdoses (+ adulteration with [isotonitazene](#))

Specialist Pharmacy Services NHS UK

- Chondroitin- adverse effects - [link](#)

TGA

- Azide impurity in 'sartan' blood pressure medicines. TGA investigation - low levels of contamination with azidomethyl-biphenyl-tetrazole (AZBT) - [link](#)
- Safety Advisory: AB-Slim Slim-cellulose capsules contain undeclared substance, sibutramine - [link](#)

PAPERS OF INTEREST

Annals of Internal Medicine

- Annual Tuberculosis Preventive Therapy for Persons with HIV Infection. A Randomized Trial - [link](#) - [editorial](#)

British Journal of Clinical Pharmacology

- Efficacy and safety of colchicine in patients with coronary artery disease: a systematic review and meta-analysis of randomized controlled trials - [link](#)
- Systematic review of the effects of antimicrobial cycling on bacterial resistance rates within hospital settings - [link](#)
- Effects of a transitional care program on medication adherence in an older cardiac population: a randomized clinical trial - [link](#)
- Increase in anticholinergic burden from 1990 to 2015: age-period-cohort analysis in UK [Biobank](#)
- Utilization and long-term persistence of direct oral anticoagulants among patients with non-valvular atrial fibrillation and liver disease - [link](#)
- Pharmacokinetics of two oral paracetamol formulations in hospitalized octogenarians - [link](#)
- Utilization and long-term persistence of direct oral anticoagulants among patients with non-valvular atrial fibrillation and liver disease - [link](#)

British Journal of General Practice

- Long-term oral prednisolone exposure in primary care for bullous pemphigoid: population-based study - [link](#)
- Oral ondansetron for paediatric gastroenteritis in primary care: a randomised controlled trial - [link](#)

BMJ Open

- Reducing risks associated with medicines and lifestyle in a residential care population with intellectual disabilities: evaluation of a pharmacy review initiative in England - [link](#)

BMJ Quality and Safety

- [Editorial](#): Interruptive alerts: only one part of the solution for clinical decision support
- [Editorial](#): Is it time for greater patient involvement to enhance transitional medication safety?

Canadian Journal of Health Technologies

- Utilization Patterns of Disease-Modifying Antirheumatic Drugs for the Treatment of Rheumatoid Arthritis: Rationale for Improving the Harmonization of Coverage Criteria - [link](#)
- Medications Containing Low-Dose Codeine for the Treatment of Pain and Coughs - [link](#)
- Harm Reduction Interventions to Prevent Overdose Deaths - [link](#)

Circulation

- Opioid Use and Its Relationship to Cardiovascular Disease and Brain Health: A Presidential Advisory from the American Heart Association - [link](#)
- Effect of Colchicine on Myocardial Injury in Acute Myocardial Infarction - [link](#)

Cochrane

- Prevention of depression in adults with long-term physical conditions - [link](#)
- Smoking cessation for improving mental health - [link](#)
- Prophylactic antibiotics for preventing pneumococcal infection in children with sickle cell [disease](#)
- Wound cleansing for treating venous leg ulcers - [link](#)
- Recombinant growth hormone therapy for cystic fibrosis in children and young adults - [link](#)
- Rituximab for eradicating inhibitors in people with acquired haemophilia A - [link](#)
- Tocilizumab for giant cell arteritis - [link](#)
- Corticosteroids for periorbital and orbital cellulitis - [link](#)

Drug and Therapeutics Bulletin

- Prescribing for pregnancy: managing chronic headache and migraine - [link](#)
- Desogestrel POM to P: for the few not the many? - [link](#)

European Heart Journal

- Effects of canagliflozin on serum potassium in people with diabetes and chronic kidney disease: the CREDENCE trial - [link](#)
- Ticagrelor monotherapy in patients with chronic kidney disease undergoing percutaneous coronary intervention: TWILIGHT-CKD - [link](#)

European Journal of Hospital Pharmacy

- Impact of automated dispensing cabinets on dispensing errors, interruptions and pillbox preparation time - [link](#)
- Magnitude of error: a review of wrong dose medication incidents reported to a UK hospital voluntary incident reporting system - [link](#)
- Medical management of first trimester miscarriage: a quality improvement initiative - [link](#)

Internal Medicine Journal

- Safety, satisfaction, and cost savings of accelerated infusions of standard and intensified-dose infliximab for inflammatory bowel disease - [link](#)

International Journal of Clinical Pharmacy

- Co-Amoxiclav as empiric treatment of UTI in children: importance of surveillance in ensuring optimal empiric treatment choice - [link](#)

International Journal for Quality in Health Care

- Effect of Nationwide Concurrent Drug Utilization Review Program on Drug-Drug Interactions and Related Health Outcome - [link](#)

JAC-Antimicrobial Resistance

- Rigorous antibiotic stewardship in the hospitalized elderly population: saving lives and decreasing cost of inpatient care - [link](#)

JAMA Cardiology

- Association of Statin Treatment with Progression of Coronary Atherosclerotic Plaque [Composition](#)

JAMA Dermatology

- Efficacy and Safety of Abrocitinib in Combination with Topical Therapy in Adolescents With Moderate-to-Severe Atopic Dermatitis: The JADE TEEN Randomized Clinical Trial - [link](#)

JAMA Neurology

- [Viewpoint](#): Aducanumab and the Business of Alzheimer Disease—Some Choice

JAMA Oncology

- [Comment](#): Immunochemotherapy as First-line Treatment for Locally Advanced or Metastatic Squamous Non–Small Cell Lung Cancers - [reply](#)

JAMA Pediatrics

- [Viewpoint](#): The Silent Crisis of Pediatric Clinical Practice Guidelines
- Validation of the Association of Oral Corticosteroid Bursts with Adverse Events in Children

JAMA Psychiatry

- Examination of Dosing of Antipsychotic Drugs for Relapse Prevention in Patients With Stable Schizophrenia. A Meta-analysis - [link](#)

Journal for ImmunoTherapy of Cancer

- Society for Immunotherapy of Cancer (SITC) clinical practice guideline on immunotherapy for the treatment of breast cancer - [link](#)

Journal of Patient Safety and Risk Management

- Implementation of an antibiotic stewardship intervention to reduce prescription of fluoroquinolones: A human factors analysis in two intensive care units - [link](#)

Journal of Pharmacy Practice and Research (JPPR)

- [Editorial](#): Innovation to reduce medication-related harm

Lancet

- The knowns and unknowns of SSRI treatment in young people with depression and anxiety: efficacy, predictors, and mechanisms of action - [link](#)
- [Series](#): Heat and health

Lancet Diabetes & Endocrinology

- Cardiovascular, mortality, and kidney outcomes with GLP-1 receptor agonists in patients with type 2 diabetes: a systematic review and meta-analysis of randomised trials - [link](#)

Molecular Diversity Preservation International (MDPI)

- Clinical Pharmacy in Psychiatry: Towards Promoting Clinical Expertise in Psychopharmacology - [link](#)
- Influence of Probiotics on the Development of Clostridioides difficile Infection in Patients Receiving Fluoroquinolones - [link](#)

Medical Journal of Australia

- Prescribing of direct-acting antiviral therapy by general practitioners for people with hepatitis C in an unrestricted treatment program - [link](#)

New England Journal of Medicine

- Adjuvant Pembrolizumab after Nephrectomy in Renal-Cell Carcinoma - [link](#)
- Atogepant for the Preventive Treatment of Migraine - [link](#)

Pharmacotherapy

- Insulin NPH for steroid-induced hyperglycemia: predictors for success - [link](#)

Res Social Adm Pharm

- Pharmacist-led intervention on the reduction of inappropriate medication use in patients with heart failure: a systematic review of randomized trials and non-randomized intervention studies - [link](#)

Therapeutics and Clinical Risk Management

- Adverse Events Related to Off-Label Drugs Using Spontaneous Adverse Event Reporting [Systems](#)

TAG Mail – 19 August 2021

COVID-19 RESOURCES & ARTICLES OF INTEREST

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

AUSTRALIAN

Agency for Clinical Innovation, NSW (ACI)

- Spotlight on virtual care: COVID-19 remote monitoring. Illawarra Shoalhaven Local Health District (LHD), Southern New South Wales LHD Sydney LHD and St Vincent's Health Network - [link](#)
- Caring for Adults with COVID-19 in the community - updated [guideline](#)
- Surgery Community of Practice
-- Personal protective equipment in the operating theatre. This updated decision support tool has been developed for health workers in operating theatres during the COVID-19 pandemic - [link](#)
-- Updated guidance for the management of surgery during COVID-19 - [link](#)
- Invitation to Aboriginal community members to participate in a workshop to help create a question-prompt to yarn about COVID-19 vaccines and shared decision-making about health – register [here](#) or for more information contact: david.follent@health.nsw.gov.au

Australian Government Department of Health

- COVID-19 Australia: Epidemiology Report 47: Reporting period ending 1 August 2021 - [link](#)
- Technical supplement: Epidemiology reporting. Last updated 10 August 2021 - [link](#)
- ATAGI weekly COVID-19 meeting on 11 August 2021 update - [link](#)
- ATAGI Clinical guidance on COVID-19 vaccine in Australia in 2021 ([V6.0](#))
- Operation COVID Shield COVID-19 Vaccine Sentiment Summaries - [link](#)
- Vaccine Operations Centre – Weekly Operational [Update](#) (9/8/21) – status of the vaccine rollout.
- Top 3 COVID-19 vaccine questions:
-- COVID boosters, COVIDSafe behaviours and Doherty Institute modelling - [link](#)
-- Moderna, vaccine choice, and how tests differentiate between COVID and flu - [link](#)

NSW Health

- COVID-19 Weekly Surveillance in NSW - Epidemiological week 29, ending 31 July 2021 - [link](#)

- Statewide Protocol for the Supply or Administration of COVID-19 Vaccine (updated 13/08/21) - [link](#)
- NSW Health COVID-19 vaccine medical contraindication form for medical practitioners - [link](#)

NSW Health Critical Intelligence Unit

- COVID-19 [Monitor 19 Aug 2021](#): COVID-19 vaccines, cases, hospitalisations, deaths and variants
- Risk Monitoring Dashboard [19 August 2021](#)
- Living Evidence:
 - COVID-19 vaccines. Last updated 13 Aug 2021 - [link](#)
 - SARS-CoV-2 variants. Last updated 16 Aug 2021 – [link](#)
 - COVID-19 rapid testing. Last updated 17 Aug 2021 - [link](#)

TGA

- COVID-19 vaccine weekly safety report - [12-08-2021](#)
- Communicating about COVID-19 vaccines (updated) - [link](#)
- TGA batch release of Pfizer vaccine purchased from the Government of Poland - [link](#)

INTERNATIONAL

WHO

- Weekly epidemiological update on COVID-19 - [10 August 2021](#)
- COVID-19 vaccine tracker and landscape - [link](#)
- WHO's Solidarity clinical trial enters a new phase with three new candidate drugs (artesunate, imatinib and infliximab – will be trialled for their potential in reducing the risk of death in hospitalized COVID-19 patients) - [link](#)
- WHO COVID-19 social science in outbreak response. Community-centred approaches to health emergencies: progress, gaps and research priorities - [link](#)
- Facilitator's guide: communicating with health workers about COVID-19 vaccination – [link](#); associated [training module](#)
- Science in 5: Episode #48 HIV & COVID-19; Episode #49 Can I get infected after vaccination?
- Falsified COVISHIELD vaccine identified in the WHO regions of Africa and South-East Asia - [link](#)
- Falsified Remdesivir identified in WHO region of the Americas - [link](#)

Canada

National Collaborating Centre for Methods and Tools

- Living Rapid Reviews:
 - Update [17](#): What is the specific role of daycares and schools in COVID-19 transmission?
 - Update [3](#): What is known about the risk of transmission of COVID-19 within post-secondary institutions and the strategies to mitigate on-campus outbreaks?

Europe

EMA

- EMA starts evaluating use of RoActemra in hospitalised adults with severe COVID-19 - [link](#)
- COVID-19 vaccine safety updates for: [Spikevax](#); [COVID-19 Vaccine Janssen](#); [Vaxzevria](#); [Comirnaty](#)

UK

-eMC

- [Revised SPC](#): BioNTech – Pfizer COVID-19 Vaccine: vaccine stress-related responses - tachycardia, paraesthesia & dizziness; extensive swelling of vaccinated limb & facial swelling, with latter reported in vaccine recipients with history of use of dermatological fillers

-MHRA

- [Spikevax](#) (formerly COVID-19 Vaccine Moderna) authorised in 12 years and over; dizziness added as uncommon, hypoaesthesia as rare, delayed injection site reaction as a common side effect
- Review of reports involving menstrual disorders and unexpected vaginal bleeding with COVID-19 vaccines; Safety of COVID-19 vaccines in pregnancy - [link](#)

-NICE

- COVID-19 rapid guideline: managing COVID-19, updated [\[NG191\]](#)
- Specialist Pharmacy Services NHS UK
- Interactions information for COVID-19 vaccines - [link](#)

USA

-American Society of Health-System Pharmacists (ASHP)

- ASHP discussion forum ([Sign up](#) for free) recent topics of discussion include: Consent/Patient Information Sheet for Third Dose of mRNA Vaccine; Actemra prefilled syringe; Tocilizumab shortage--criteria for scarce resource in COVID patients; COVID vaccine and antibody therapy; subcutaneous Regen-Cov
- Centers for Disease Control and Prevention (CDC)
- Considerations for use of an additional mRNA COVID-19 vaccine dose after an initial 2-dose primary mRNA COVID-19 vaccine series for immunocompromised people - [link](#)
- Webinar: Therapeutic Options to prevent Severe COVID-19 in Immunocompromised people - [link](#)
- Webinar: Mental Health is Public Health: Tools for State and Local Partners During COVID-19. Monday 23/08/2021 at 4pm Eastern Time (US and Canada). Register [here](#)
- Pregnancy or Breastfeeding (updated 11/08/21) - [link](#)
- Investigating the Impact of COVID-19 During Pregnancy - [link](#)
- Morbidity and Mortality Weekly Report (MMWR)
- Use of COVID-19 Vaccines After Reports of Adverse Events Among Adult Recipients of Janssen (Johnson & Johnson) and mRNA COVID-19 Vaccines (Pfizer-BioNTech and Moderna): Update from the Advisory Committee on Immunization Practices - United States, July 2021 - [link](#)
- FDA
- FDA Authorizes Additional Vaccine Dose for Certain Immunocompromised Individuals - [link](#)
- [Consumer Update](#): 5 Things You Need to Know about the COVID-19 Vaccine for Adolescents 12-17

JOURNAL ARTICLES

American Journal of Health-System Pharmacy

- Physical compatibility of Normosol-R with critical care medications used in patients with COVID-19 during simulated Y-site administration - [link](#)

American Journal of Kidney Diseases

- Incidence and Outcomes of COVID-19 in People With CKD: A Systematic Review and [Meta-analysis](#)

Annals of Internal Medicine

- Annals On Call ([Podcast](#)) - The Case for Mandating COVID-19 Vaccines for Health Care Workers
- Use of Hydroxychloroquine, Remdesivir, and Dexamethasone Among Adults Hospitalized With COVID-19 in the United States. A Retrospective Cohort Study - [link](#) - [editorial](#)

BMJ

- [Letter](#): Intradermal covid-19 vaccination could solve supply problems
- [Views](#): Matt Morgan: Caring for unvaccinated patients

British Journal of Clinical Pharmacology

- Changes in antibiotic prescribing following COVID-19 restrictions: Lessons for post-pandemic antibiotic stewardship - [link](#)

Cochrane

- Special Collection Coronavirus (COVID-19): evidence relevant to critical care updated 16/8/21 - [link](#)
- Systemic corticosteroids for the treatment of COVID-19 - [link](#)

European Journal of Clinical Investigation

- Convalescent Plasma for COVID-19: A [Meta-analysis](#) of Clinical Trials and Real-World Evidence

European Journal of Hospital Pharmacy

- Risk factors for nosocomial bloodstream infections in COVID-19 affected patients: protocol for a case-control study - [link](#)

Frontiers in Endocrinology

- Insulin Treatment May Increase Adverse Outcomes in Patients With COVID-19 and Diabetes: A Systematic Review and Meta-Analysis - [link](#)

Infectious Diseases and Therapy

- Efficacy and Safety of Corticosteroid Use in Coronavirus Disease 2019 (COVID-19): A Systematic Review and Meta-Analysis - [link](#)

International Journal of Infectious Diseases

- Statins reduce mortality in patients with COVID-19: an [updated meta-analysis](#) of 147,824 patients
- Performance of a SARS-CoV-2 antigen rapid immunoassay in patients admitted to the emergency department - [link](#)
- Outcomes Among Patients with Breakthrough SARS-CoV-2 Infection After Vaccination - [link](#)

JAMA

- Efficacy and Safety of Cannabidiol Plus Standard Care vs Standard Care Alone for the Treatment of Emotional Exhaustion and Burnout Among Frontline Health Care Workers During the COVID-19 Pandemic. A [Randomized Clinical Trial](#)
- [Letter](#): Antibody Response to COVID-19 Vaccination in Adults with Hematologic Malignant Disease
- [Research Letter](#): Quantification of Specific Antibodies Against SARS-CoV-2 in Breast Milk of Lactating Women Vaccinated With an mRNA Vaccine
- Global Prevalence of Depressive and Anxiety Symptoms in Children and Adolescents During COVID-19. A [Meta-analysis](#)

Lancet

- [Comment](#): The use of inhaled corticosteroids in early-stage COVID-19
- [Comment](#): Charting a course for the management of long COVID
- Effects of adjusting public health, travel, and social measures during the roll-out of COVID-19 vaccination: a modelling study - [link](#), associated [comment](#)
- Safety, reactogenicity, and immunogenicity of homologous and heterologous prime-boost immunisation with ChAdOx1 nCoV-19 and BNT162b2: a prospective [cohort study](#)
- Bell's palsy following vaccination with mRNA (BNT162b2) and inactivated (CoronaVac) SARS-CoV-2 vaccines: a case series and nested case-control study - [link](#)
- COVID-19 vaccines: addressing hesitancy in young people with allergies - [link](#)
- Position paper: The long-term sequelae of COVID-19: an international consensus on research priorities for patients with pre-existing and new-onset airways disease - [link](#)
- Safety and immunogenicity of the ChAdOx1 nCoV-19 (AZD1222) vaccine against SARS-CoV-2 in people living with and without HIV in South Africa: an interim analysis of a randomised, double-blind, placebo-controlled, phase 1B/2A [trial](#)

Medical Journal of Australia

- Podcast: [Episode 33](#): COVID-19 in children
- The characteristics of SARS-CoV-2-positive children who presented to Australian hospitals during 2020: a PREDICT network study - [link](#)
- [Perspectives](#): Effectiveness of COVID-19 vaccines: findings from real world studies

Medicine

- The prognostic value of the SOFA score in patients with COVID-19. A retrospective, observational [study](#)

medRxiv

- Comparison of two highly-effective mRNA vaccines for COVID-19 during periods of Alpha and Delta variant prevalence - [link](#)
- BNT162b2 and mRNA-1273 COVID-19 vaccine effectiveness against the Delta (B.1.617.2) variant in Qatar - [link](#)
- Neutralization of VOCs including Delta one year post COVID-19 or vaccine - [link](#)
- The role of incentives in deciding to receive the available COVID-19 vaccine - [link](#)
- SARS-CoV-2 variants: levels of neutralisation required for protective immunity - [link](#)

Nature Communications

- Two doses of SARS-CoV-2 vaccination induce robust immune responses to emerging SARS-CoV-2 variants of concern - [link](#)

New England Journal of Medicine

- Early Convalescent Plasma for High-Risk Outpatients with Covid-19 - [link](#)
- Effectiveness of Covid-19 Vaccines against the B.1.617.2 (Delta) Variant - [link](#)
- [Perspective](#): Confronting Our Next National Health Disaster - Long-Haul Covid

- [Correspondence](#): Three Doses of an mRNA Covid-19 Vaccine in Solid-Organ Transplant Recipients
- [Correspondence](#): Myocarditis after Covid-19 mRNA Vaccination
- [Correspondence](#): Breakthrough Infections in BNT162b2-Vaccinated Health Care Workers
- [Case Study](#): The MAb Squad: Delivering Covid-19 Monoclonal Antibody Therapy Across a Large Geographic Region
- [Podcast](#): ... questions and concerns about ongoing symptoms related to Covid-19 in many patients

Open Forum Infectious Diseases

- Critical Review of the Scientific Evidence & Recommendations in COVID-19 Management [Guidelines](#)

PLOS Medicine

- Accuracy of novel antigen rapid diagnostics for SARS-CoV-2: A living systematic review and meta-analysis - [link](#)

Scientific Reports

- Therapeutic efficacy of macrolides in management of patients with mild COVID-19 - [link](#)
- Delayed neutralizing antibody response in the acute phase correlates with severe progression of COVID-19 - [link](#)
- Safety and humoral responses to BNT162b2 mRNA vaccination of SARS-CoV-2 previously infected and naive populations - [link](#)

OTHER NEWS (bold = new)

NPS MedicineWise

- **MedicineWise app**: New 'dose tracker' [feature](#) to help manage complex medicine schedules
- **The ocular adverse effects of oral drugs [Correction]** - [link](#)
- **Management of insomnia in primary care [Correction]** - [link](#)
- **Supporting best use of specialised medicines for plaque psoriasis** - [link](#). Includes new [resources](#)
- Australian Prescriber - Early Release | 11 August 2021
- New [shingles vaccine](#)
- New Drug: [Trabectedin](#) for soft tissue sarcoma
- New CPD activity for pharmacists: [The safety of commonly used vitamins and minerals](#)

SHPA

- **SHPA's [Australian Injectable Drugs Handbook \(AIDH\)](#) 8th edition now available**
- Geriatric Medicine and Aged Care Clinical Pharmacy Services [Position Statement](#)
- New dates for Medicines Management 2021 in Adelaide: Thursday 24 to Saturday 26 February 2022, deadline for abstract submission extended to Thurs 23 September 2021 - [link](#)

TGA

- **Consumers urged to see their GP ahead of changes to nicotine vaping laws** - [link](#)
- **TGA reduces timeframe for publishing adverse event reports (from 90 days to 14 days)** - [link](#)
- **Share your views in the 2021 TGA stakeholder [survey](#) open until 27th August 2021**

REPORTS AND PUBLICATIONS – AUSTRALIA

Agency for Clinical Innovation, NSW (ACI)

- Spotlight on virtual care:
 - Virtual Rural Generalist Service (VRGS). Western NSW LHD - [link](#)
 - Royal North Shore Hospital Intensive Care Unit Patient and Family Videoconferencing Model - [link](#)

AHHA

- The Health Advocate – [August 2021](#)
- This issue focuses on Value-based health care and features the following: The courage to measure outcomes; Patients first; Transforming the health system for sustainability.

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

- New standard to improve care for Australians with cataract - [link](#)
- Cataract Clinical Care [Standard](#); Clinician [fact sheet](#); Consumer [guide](#);
- [Case studies](#) are provided to assist in implementing the Cataract Clinical Care Standard.

Australian Institute for Health and Welfare (AIHW)

- Hospital resources 2019-20 - [Update](#)
- Australian Burden of Disease Study 2018 - Key findings - [link](#)
- GEN: Annual dashboard update – batch 3 ([My Aged Care Region](#); [Aboriginal and Torres Strait Islander people using aged care](#); [Commonwealth Home Support Programme aged care services](#))

Australian Pharmacy Council

- Embedding cultural safety in education and assessments - [literature review](#)
- Check out the [website](#) for a series of podcasts, webinars and events being released in the coming months

NSW Health

- Pathways to Community Living Initiative Stage One Summary [Report](#)

PBS

- PBS Arrangements for tocilizumab shortage - [link](#)
- Pharmacist Substitution of PBS Medicines without a Prescription during Shortages (Serious Scarcity Substitution Instrument) - [link](#)

Pharmacy Council of NSW

- Applying the poisons legislation – practical tips - [link](#)
- Publications required in pharmacies in NSW (updated 16/8/21) - [link](#)
- Complaints to Council - Compounding of eye drops - [link](#)

TGA

- Medical device patient information leaflets and implant cards. Requirements for new and on-market implantable medical devices - [link](#)
- Post-market review of ventilators, CPAP and BiPAP devices - [link](#)
- AusPARs:
 - [Midodrine hydrochloride](#) - for severe symptomatic orthostatic hypotension due to autonomic dysfunction when exacerbating factors addressed and other forms of treatment remain inadequate

REPORTS AND PUBLICATIONS – INTERNATIONAL

electronic Medicines Compendium (eMC) (UK)

- New products
- Ponvory ([ponesimod](#))- a sphingosine 1-phosphate receptor 1 modulator for treatment of adults with relapsing forms of multiple sclerosis with active disease defined by clinical or imaging features

Food and Drug Administration (FDA) USA

- New Drug approvals
 - belzutifan ([Welireg](#)) to treat von Hippel-Lindau disease associated cancers - [link](#)
 - [Xyway](#) (calcium, magnesium, potassium, and sodium oxybates) for idiopathic hypersomnia in adults, an uncommon chronic sleep disorder that causes people to be excessively sleepy during the day even after a good night's sleep
 - tick borne encephalitis vaccine ([TicoVac](#)) - 3-dose immunization series for individuals aged 1 year and older

Health Canada

- Health Product InfoWatch [July 2021](#)
 - market authorization with conditions: Gavreto (pralsetinib) for the treatment of adult patients with rearranged during transfection (RET) fusion-positive locally advanced unresectable or metastatic non-small cell lung cancer

-- market authorization with conditions: Retevmo (selpercatinib) monotherapy for the treatment of metastatic RET fusion-positive non-small cell lung cancer in adult patients, RET-mutant medullary thyroid cancer in adult and pediatric patients 12 years of age and older with unresectable advanced or metastatic disease, and RET fusion-positive differentiated thyroid carcinoma in adult patients with advanced or metastatic disease (not amenable to surgery or radioactive iodine therapy) following prior treatment with sorafenib and/or lenvatinib

Medicines and Healthcare products Regulatory Agency (MHRA)

- approves Nuromol (paracetamol 500mg and ibuprofen 200mg) for general sale - [link](#)

MIMS UK

- MIMS summary: Second SGLT2 inhibitor Jardiance ([empagliflozin](#)) approved for heart failure in UK

National Institute for Health and Clinical Excellence (NICE) UK

- Chlormethine gel for treating mycosis fungoides-type cutaneous T-cell lymphoma [[TA720](#)]
- Abiraterone for treating newly diagnosed high-risk hormone-sensitive metastatic prostate ca [[TA721](#)]
- Bronchiolitis in children: diagnosis and management, updated [[NG9](#)]
- Final appraisal document: Abemaciclib with fulvestrant for treating hormone receptor-positive, HER2-negative advanced breast cancer after endocrine therapy [[ID2727](#)]
- Melatonin for treating sleep disorders in adults who are blind - Evidence summary [[ES38](#)]

Royal Pharmaceutical Society

- New post-registration foundation curriculum announced - [link](#)

MEDICATION SAFETY

electronic Medicines Compendium (eMC) (UK)

- Revised SPCs
-- [Co-trimoxazole](#)- severe cases of respiratory toxicity, including potential progression to Acute Respiratory Distress Syndrome, reported (very rare).
-- Humatrope ([somatropin](#)) – pancreatitis: rare adverse event in patients of any age, but more common in children.
-- Lemtrada ([alemtuzumab](#)) may result in the formation of autoantibodies and increase the risk of autoimmune mediated conditions (e.g. immune thrombocytopenic purpura, nephropathies, autoimmune hepatitis) which may be serious and life threatening.
-- Sabril ([vigabatrin](#)) - intramyelinic oedema (IME) reported, particularly in infants treated for infantile spasms. It is recommended to progressively discontinue vigabatrin when IME is observed.
-- Topical [steroid](#) products - long term continuous use of topical steroids, a severe form of rebound flare can develop (dermatitis with intense redness, stinging and burning). After resolution, reapplication should be undertaken with caution and specialist advice recommended.

Food and Drug Administration (FDA) USA

- FDA Updates and Press Announcements on Nitrosamine in Varenicline (Chantix) - [link](#)

Medicines and Healthcare products Regulatory Agency (MHRA) UK

- Drug Safety Update [August 2021](#)
-- Letters to Healthcare Professionals July 2021: Xeljanz ([tofacitinib](#)): Increased risk of major adverse cardiovascular events and malignancies with use of tofacitinib relative to TNF-alpha inhibitors.

NSW Health

- Safety Notice [017/21](#): Illicit cocaine containing high levels of lidocaine (lignocaine).
-- Public drug alert also available [here](#).

TGA

- Substitution instrument to address shortage of PROGYNOVA estradiol valerate tablets (multiple strengths) - [link](#)
- Shortages of tocilizumab (Actemra) medicines (updated 17/08/21) - [link](#)

PAPERS OF INTEREST

American Journal of Health-System Pharmacy (AJHP)

- Rethinking antimicrobial prophylaxis in patients receiving medicinal leech therapy - [link](#)
- Use of an argatroban systemic infusion and purge solution in a patient with a percutaneous ventricular assist device with suspected heparin-induced thrombocytopenia - [link](#)
- Drive-through point-of-care INR testing: Novel concepts for delivery of care during the COVID-19 pandemic - [link](#)
- The economic opportunity of departmental training during pandemic scenarios: Concepts & [analyses](#)

Arthritis & Rheumatology

- Cardiovascular Safety of Hydroxychloroquine in US Veterans with Rheumatoid Arthritis - [link](#)
- Withdrawing Ixekizumab in Patients with Psoriatic Arthritis Who Achieved Minimal Disease Activity: Results From a Randomized, Double-Blind Withdrawal Study - [link](#)
- Predictors of rheumatic immune-related adverse events and de novo inflammatory arthritis after immune checkpoint inhibitor treatment for cancer - [link](#)

British Journal of Clinical Pharmacology

- Neonatal outcomes after neuraminidase inhibitor use during pregnancy: a meta-analysis of cohort studies - [link](#)
- Adverse reactions with levamisole vary according to its indications and misuse: a systematic pharmacovigilance study - [link](#)
- Impact of Antibiotic Allergy Labels on Patient Outcomes in a Tertiary Paediatric Hospital - [link](#)

British Medical Journal (BMJ)

- Medication adherence in cardiovascular medicine - [link](#)
- Evaluation of an intervention targeted with predictive analytics to prevent readmissions in an integrated health system: observational study - [link](#)

BMJ Heart

- Gastrointestinal bleeding risk following concomitant treatment with oral glucocorticoids in patients on non-vitamin K oral anticoagulants - [link](#)

BMJ Open

- Randomised trials of proton pump inhibitors for gastro-oesophageal reflux disease in patients with asthma: an updated systematic review and meta-analysis - [link](#)
- Probiotics for the prevention of antibiotic-associated diarrhoea: a systematic review and meta-analysis - [link](#)

BMJ Quality and Safety

- [Editorial](#): Interruptive alerts: only one part of the solution for clinical decision support

Circulation

- Effect of Rivaroxaban and Aspirin in Patients with Peripheral Artery Disease Undergoing Surgical Revascularization: Insights from the VOYAGER PAD Trial - [link](#)
- [Research letter](#): Kidney Function After Initiation and Discontinuation of Empagliflozin in Heart Failure Patients with and without Type 2 Diabetes: Insights From the EMPERIAL Trials

Cochrane

- Disease-modifying treatments for primary autoimmune haemolytic anaemia - [link](#)
- Interventions for atypical haemolytic uraemic syndrome - [link](#)
- Interventions for weight loss in people with chronic kidney disease who are overweight or [obese](#)
- Secondary prevention of variceal bleeding in adults with previous oesophageal variceal bleeding due to decompensated liver cirrhosis: a network meta-analysis - [link](#)
- Chloral hydrate as a sedating agent for neurodiagnostic procedures in children - [link](#)
- Endothelin receptor antagonists for pulmonary arterial hypertension - [link](#)
- Mobile phone-based interventions for improving adherence to medication prescribed for the primary prevention of cardiovascular disease in adults - [link](#)
- Pharmacological and non-pharmacological strategies for obese women with subfertility - [link](#)

Diabetes Care

- Advancing therapy in suboptimally controlled basal insulin-treated type 2 diabetes: clinical outcomes with new once-daily fixed-ratio combination of basal insulin glargine and lixisenatide (iGlarLixi) versus premix biphasic insulin aspart insulin 30 (BIAsp 30) in the SoliMix randomized controlled trial - [link](#)

- The Beneficial Effects of Earlier Versus Later Implementation of Intensive Therapy in Type 1 Diabetes - [link](#)
- Fast-Acting Insulin Aspart Versus Insulin Aspart Using a Second-Generation Hybrid Closed-Loop System in Adults with Type 1 Diabetes: A Randomized, Open-Label, Crossover Trial - [link](#)
- Unchanged Prevalence of Preeclampsia After Implementation of Prophylactic Aspirin for All Pregnant Women with Preexisting Diabetes: A Prospective Cohort Study - [link](#)

Diabetes, Obesity and Metabolism

- Efficacy and safety of 28-day treatment with oral insulin (ORMD-0801) in patients with type 2 diabetes mellitus - A randomized placebo-controlled trial - [link](#)

Drug and Therapeutics Bulletin

- Dental implications of some commonly prescribed medicines – [link](#)
- Pharmacological treatment of migraine: Drug classes, mechanisms of action, clinical trials and new treatments - [link](#)

Drug Safety

- Prevalence, nature, severity and preventability of adverse drug events in mental health settings: findings from the Medication related harm in mental health hospitals (MADE) study - [link](#)

European Heart Journal

- Sacubitril–valsartan as a treatment for apparent resistant hypertension in patients with heart failure and preserved ejection fraction - [link](#)

European Journal of Clinical Pharmacology

- Medication incident recovery and prevention utilising an Australian community pharmacy incident reporting system: the QUMwatch study - [link](#)

Eurosurveillance

- Mortality review as a tool to assess the contribution of healthcare-associated infections to death: results of a multicentre validity and reproducibility study, 11 European Union countries, 2017 to [2018](#)

Expert Opinion on Drug Safety

- A systematic review on pediatric medication errors by parents or caregivers at home - [link](#)

Internal Medicine Journal

- Administration of pharmacological sleep aids prior to, during and following critical illness - [link](#)

JAMA Internal Medicine

- Association Between Prenatal Exposure to Antipsychotics & Attention-Deficit/Hyperactivity Disorder, Autism Spectrum Disorder, Preterm Birth, & Small for Gestational Age - [link](#) - [comment](#)

JAMA Network Open

- Oral Anticoagulants for Nonvalvular Atrial Fibrillation in Patients with High Risk of Gastrointestinal Bleeding - [link](#)

JAMA Neurology

- Treatment Escalation vs Immediate Initiation of Highly Effective Treatment for Patients with Relapsing-Remitting Multiple Sclerosis: Data From 2 Different National Strategies - [link](#)

JAMA Oncology

- Recommendations for Age-Appropriate Testing, Timing, and Frequency of Audiologic Monitoring During Childhood Cancer Treatment - An International Society of Paediatric Oncology Supportive Care Consensus Report - [link](#)

Lancet Healthy Longevity

- Discontinuation of diabetes medication in the 10 years before death in Denmark: a register-based study - [link](#)

Lancet Oncology

- Treatment-related adverse events of PD-1 and PD-L1 inhibitor-based combination therapies in clinical trials: a systematic review and meta-analysis - [link](#)

Lancet Respiratory Medicine

- Global, regional, and national burden of respiratory tract cancers and associated risk factors from 1990 to 2019: a systematic analysis for the Global Burden of Disease Study 2019 - [link](#)

Molecular Diversity Preservation International (MDPI)

- Preface: The Role of Pharmacists in Palliative and End of Life Care - [link](#)

Medical Journal of Australia

- An Australian glossary to aid multisectoral research and collaborations to address health and climate change - [link](#)

New England Journal of Medicine

- Cabotegravir for HIV Prevention in Cisgender Men and Transgender Women - [link](#)

- Review [article](#): Long-Term Survival after Kidney Transplantation

Pediatrics (American Academy of Pediatrics)

- Pediatric Opioid Prescribing: A Call for Calm - [link](#)

- Opioid Prescribing to US Children and Young Adults in 2019 - [link](#)

Sleep

- Once-Nightly Sodium Oxybate (FT218) Demonstrated Improvement of Symptoms in a Phase 3 Randomized Clinical Trial in Patients With Narcolepsy - [link](#)

Therapeutics and Clinical Risk Management

- The Role of Dapagliflozin in the Management of Heart Failure: An Update on the Emerging [Evidence](#)

Thrombosis and Haemostasis

- [Editorial](#): Balancing Risks and Benefits When Recommending Oral Anticoagulants after Major Bleeding

TAG Mail – 12 August 2021

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 Myocarditis and Pericarditis after mRNA COVID-19 vaccines - [link](#)

- ATAGI:

-- Statement on considerations for establishing drive-through COVID-19 vaccination clinic sites - [link](#)

-- Update following weekly COVID-19 meeting - [4 August 2021](#)

AHHA

- Successful COVID vaccine communication: critical to rebuilding public trust - [link](#)

- AHHA principle statement on COVID-19 vaccination program communication and engagement - [link](#)

Doherty Institute

- Doherty Institute Modelling Report to advise on the National Plan to transition Australia's National COVID Response - [link](#)

National COVID-19 Clinical Evidence Taskforce

- New and updated recommendations as at [5/08/2021](#)

-- Living Treatment Guideline updates: Convalescent plasma, Ivermectin, Bamlanivimab plus etesivimab, VTE prophylaxis; Non-invasive ventilation, Oestrogen-containing therapies

-- Ivermectin recommendation remains 'only in clinical trials'

-- Taskforce amends remarks for Tocilizumab in response to critical shortage - [link](#)

NSW Health

- COVID-19 Weekly Surveillance in NSW - Epidemiological week 29, ending 24 July 2021 - [link](#)
- [Clinical alert](#) - thrombosis with thrombocytopenia syndrome (TTS) update
- [Pharmacist Immunisers](#). Information for pharmacists registered to administer COVID-19 vaccines
- Safety Alert [001/21](#): Critical disruption to the supply of tocilizumab

NSW Health Critical Intelligence Unit

- [COVID-19 Monitor](#) 12 Aug 2021: COVID-19 vaccines, cases, hospitalisations, deaths and variants
- Risk Monitoring [Dashboard](#) 11 Aug 2021
- Living Evidence:
 - COVID-19 vaccines. Last updated 12 Aug 2021 - [link](#)
 - SARS-CoV-2 variants. Last updated 9 Aug 2021 - [link](#)

TGA

- [Recommendation](#) for conservation of tocilizumab during shortage when using for COVID-19, 6/8/21 (Baricitinib (Olumiant) should be used instead of tocilizumab when considered for patients who are receiving supplemental oxygen but are not mechanically ventilated; Intravenous tocilizumab should be reserved for patients with COVID-19 when baricitinib is not clinically appropriate; When used for COVID-19 patients only one dose of intravenous tocilizumab should be administered).
- COVID-19 vaccine weekly safety report - [05-08-2021](#)
- TGA provisionally approves Moderna's COVID-19 vaccine - [link](#)
- TGA grants provisional determination for antiviral COVID-19 treatment: Molnupiravir - [link](#)
- [Q&As](#) - Conditions of supply for rapid antigen tests
- Guidance on medical/surgical face masks and respirator standards - key performance aspects - [link](#)
- COVID-19 vaccines:
 - Spikevax (elasomeran) - [link](#); AUSPAR [link](#); Australian Prescription Medicine Decision [Summary](#)
 - Undergoing evaluation - [link](#)
 - International collaboration - [link](#)

INTERNATIONAL

WHO

- COVID-19 weekly epidemiological update, edition 51, [3 August 2021](#)
- WHO-ICMRA joint statement on the need for improved global regulatory alignment on COVID-19 medicines and vaccines - [link](#)
- Training on handling, storing and transporting Pfizer BioNTech COVID-19 Vaccine COMIRNATY® (International Non-proprietary Name: Tozinameran) - [link](#)
- Interim statement on COVID-19 vaccine: booster doses - [link](#); dose-sparing strategies (fractionated vaccine [doses](#)); heterologous priming (mix & match) - [link](#)
- News: Opening up with COVID-19 passes - [link](#)
- A social media toolkit for healthcare practitioners - [link](#)

Europe

EMA

- ECDC and EMA update on COVID-19. Full vaccination is key to protecting against serious COVID-19, including disease caused by the Delta variant - [link](#)
- Meeting highlights from PRAC [5 August 2021](#)
- Includes: Update on COVID-19 Vaccine Janssen safety issues, PRAC continues to closely review reports of Guillain-Barré syndrome with Vaxzevria

UK

Public Health England

- SARS-CoV-2 variant data update, England (Version 10) - [link](#)
- SARS-CoV-2 variants of concern and variants under investigation in England. [Technical briefing 20](#)
- Updated Patient Group Direction for COVID-19 mRNA vaccine BNT162b2 ([Pfizer/BioNTech](#))

USA

American Society of Health-System Pharmacists (ASHP)

- COVID-19 Vaccine candidate tracking [table](#)

- ASHP discussion forum ([Sign up](#) for free) recent topics of discussion include: Remdesivir in observation patients; Regen COV post exposure prophylaxis; Mandatory vaccines; Pre-exposure MaB; Interpreter Resources: Overcoming Language Barriers in the COVID-19 Era; Actemra prefilled syringe for COVID; 2nd COVID shot for ED/Inpatient

Centers for Disease Control and Prevention (CDC)

- COVID-19 Vaccine Breakthrough Case Investigation and Reporting (updated 5/8/21)- [link](#)
- Talking with Patients about COVID-19 Vaccination: An Introduction to Motivational Interviewing for Healthcare Professionals - [link](#)
- Morbidity and Mortality Weekly Report (MMWR):
 - Effectiveness of COVID-19 Vaccines in Preventing Hospitalization among Adults Aged ≥ 65 years – COVID-NET, 12 States, February-April 2021 - [link](#)
 - Reduced Risk of Reinfection with SARS-CoV-2 after COVID-19 Vaccination - Kentucky, May–June 2021 - [link](#)

SafeMedication

- Patient Resources – Understanding COVID-19 Variants and Vaccines - [link](#)

JOURNAL ARTICLES

BMJ

- Covid-19: How effective are vaccines against the delta variant? - [link](#)
- Covid-19: WHO calls for booster shot ban until end of September - [link](#)
- Head to Head: Should covid vaccination be mandatory for health and care staff? [Link](#), [commentary](#)
- [Feature](#): Covid-19: How effective are vaccines against the delta variant?

BMJ Nutrition, Prevention & Health

- Nutritional parameters and outcomes in patients admitted to intensive care with COVID-19: a retrospective single-centre service evaluation - [link](#)

Clinical Immunology

- BTK inhibitors for severe acute respiratory syndrome coronavirus 2(SARS-CoV-2): [Systematic review](#)

Clinical Infectious Diseases

- Adverse Pregnancy Outcomes, Maternal Complications, and Severe Illness among US Delivery Hospitalizations with and Without a Coronavirus Disease 2019 (COVID-19) Diagnosis - [link](#)

Cochrane

- Remdesivir for the treatment of COVID-19 - [link](#)
- [Review](#): Interventions for the treatment of persistent post-COVID-19 olfactory dysfunction
- [Special collection](#): Coronavirus (COVID-19): evidence relevant to critical care

Endocrinology and Metabolism

- Dipeptidyl Peptidase-4 Inhibitors and COVID-19-Related Deaths among Patients with Type 2 Diabetes Mellitus: A Meta-Analysis of Observational Studies - [link](#)

European Journal of Clinical Microbiology & Infectious Diseases

- Accuracy of saliva and nasopharyngeal sampling for detection of SARS-CoV-2 in community screening: a multicentric [cohort study](#)
- Effectiveness of favipiravir in COVID-19: a live systematic review - [link](#)

Eur J Clin Pharm

- Repositioning HIV protease inhibitors and nucleos(t)ide RNA polymerase inhibitors for the treatment of SARS-CoV-2 infection and COVID-19 - [link](#)

Frontiers in Medicine

- Proxalutamide Reduces the Rate of Hospitalization for COVID-19 Male Outpatients: A Randomized Double-Blinded Placebo-Controlled Trial - [link](#)

International Immunopharmacology

- Clinical efficacy and safety of Janus kinase inhibitors for COVID-19: A systematic review and meta-analysis of randomized controlled trials - [link](#)

International Journal of Clinical Practice

- Clinical Frailty Score vs Hospital Frailty Risk Score for predicting mortality and other adverse outcome in hospitalised patients with COVID-19: Spanish [case series](#)

JAMA

- Ongoing Citations of a Retracted Study Involving Cardiovascular Disease, Drug Therapy, and Mortality in COVID-19 - [link](#)

- Comparison of Medication Prescribing Before and After the COVID-19 Pandemic among Nursing Home Residents in Ontario, Canada - [link](#), [commentary](#)

- [Research Letter](#): Myocarditis and Pericarditis after Vaccination for COVID-19

JAMA Cardiology

- Association of Myocarditis with BNT162b2 Messenger RNA COVID-19 Vaccine in a Case Series of Children - [link](#)

- Clinical Characteristics and Pharmacological Management of COVID-19 Vaccine–Induced Immune Thrombotic Thrombocytopenia With Cerebral Venous Sinus Thrombosis. A [Review](#)

Journal of the American Medical Directors Association

- Frailty Assessment in the Emergency Department for Risk Stratification of COVID-19 Patients Aged ≥80 Years - [link](#)

Journal of Clinical Hypertension

Influence of angiotensin converting enzyme inhibitors/angiotensin receptor blockers on the risk of all-cause mortality and other clinical outcomes in patients with confirmed COVID-19: A systemic review and meta-analysis - [link](#)

Lancet

- What are the obligations of pharmaceutical companies in a global health emergency? - [link](#)

- Cerebral venous thrombosis after vaccination against COVID-19 in the UK: multicentre [cohort study](#)

- Safety and immunogenicity of heterologous versus homologous prime-boost schedules with an adenoviral vectored and mRNA COVID-19 vaccine (Com-COV): a single-blind, randomised, non-inferiority trial - [link](#)

- Clinical Picture: Mucormycosis after COVID-19 in a patient with diabetes - [link](#)

- COVID-19 hospitalisation, mortality, vaccination, and postvaccination trends among people with schizophrenia in Israel: a longitudinal [cohort study](#), [commentary](#)

- Acute tolerance of Moderna mRNA-1273 vaccine against COVID-19 in patients with cancer treated with radiotherapy - [link](#)

- Effect of anakinra on mortality in patients with COVID-19: a systematic review and patient-level [meta-analysis](#)

- Inhaled budesonide for COVID-19 in people at high risk of complications in the community in the UK (PRINCIPLE): a randomised, controlled, open-label, adaptive platform trial - [link](#)

MedRxiv Pre-Prints

- Clinical characteristics and outcomes of COVID-19 breakthrough infections among vaccinated patients with systemic autoimmune rheumatic diseases - [link](#)

- Age and smoking predict antibody titres at 3 months after the second dose of the BNT162b2 COVID-19 vaccine - [link](#)

- COVID-19 vaccination coverage and hesitancy among groups prioritised in Australia's vaccine rollout - [link](#)

- Immunogenicity of BNT162b2 vaccine Against the Alpha and Delta Variants in Immunocompromised Patients - [link](#)

- Cryptic Transmission of the Delta Variant AY.3 Sublineage of SARS-CoV-2 among Fully Vaccinated Patients on an Inpatient Ward – [link](#)

- Full vaccination suppresses SARS-CoV-2 delta variant mutation frequency - [link](#)

Nature

- [News](#): COVID vaccine boosters: the most important questions

Nature Reviews Immunology

- Inflammasome activation at the crux of severe COVID-19 - [link](#)

New England Journal of Medicine (NEJM)

- Audio Interviews: [Looking Back & Looking Forward - Part 2](#); [Monoclonal Antibodies & Booster Shots](#)
- Clinical Features of Vaccine-Induced Immune Thrombocytopenia and Thrombosis - [link](#)
- Evaluation of mRNA-1273 SARS-CoV-2 Vaccine in Adolescents - [link](#)
- Correspondence: Therapy for Multisystem Inflammatory Syndrome in Children - [link](#)
- Correspondence: Randomized Trial of a Third Dose of mRNA-1273 Vaccine in Transplant Recipients - [link](#), Editorial - [link](#)

npj Vaccines volume

- [Review](#): Adenoviral vector vaccine platforms in the SARS-CoV-2 pandemic

Pharmaceutical Journal

- [Podcast](#): Meet the mAbs: the new treatments for vulnerable patients with COVID-19 (audio)

QJM: An International Journal of Medicine

- Steroids Use in Non-Oxygen requiring COVID-19 Patients: A Systematic Review and [Meta-analysis](#)

Scientific Reports

- Mortality and risk factors associated with pulmonary embolism in coronavirus disease 2019 patients: a systematic review and [meta-analysis](#)

Thorax

- COVID-19 vaccine-related interstitial lung disease: a case study - [link](#)

REPORTS AND PUBLICATIONS – AUSTRALIA

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

- Advisory: Antimicrobial Stewardship and Surgical Prophylaxis - [link](#)

Australian Institute for Health and Welfare (AIHW)

- Web Report: Serving and ex-serving Australian Defence Force members who have served since 1985: population characteristics 2019 - [link](#), Infographic [link](#)

TGA

- Regulatory changes for software based medical devices - [link](#)
- Independent Expert Panel on MDMA and psilocybin. Systematic literature review of the therapeutic value, benefits and risks of MDMA and psilocybin for the treatment of mental health conditions - [link](#)

REPORTS AND PUBLICATIONS – INTERNATIONAL

Canadian Agency for Drugs and Technologies in Health

- Preventing Stroke in Patients with Atrial Fibrillation: Using the Evidence - [link](#)

electronic Medicines Compendium (eMC) (UK)

- New products
- Verquvo ([vericiguat](#)) tablets (a stimulator of soluble guanylate cyclase) licensed for symptomatic chronic heart failure in adult patients with reduced ejection fraction who are stabilised after a recent decompensation event requiring IV therapy

Food and Drug Administration (FDA) USA

- New Drug approvals
- avalglucosidase alfa ([Nexviadyme](#)) for treatment of late-onset Pompe disease – [PI-label](#)

King Guide to Parenteral Admixtures

- New IV [Compatibility & Stability updates](#): New Drug Monographs (Ansuvimab-Zykl; Ibuprofen Lysine; Oliceridine; Setmelanotide); New Compatibility Data (Acetaminophen with 12 Other Drugs; Clonidine Hydrochloride; Ibuprofen Lysine with 20 Other Drugs; Levobupivacaine; Meropenem; Morphine Hydrochloride; Rifampin; Ropivacaine Hydrochloride; Sufentanil; Tedizolid Phosphate); New Stability Data (Idarubicin Hydrochloride; Meropenem; Piperacillin and Tazobactam Trastuzumab)

Medicines and Healthcare products Regulatory Agency (MHRA)

- MHRA approves Epidyolex (cannabidiol) to treat seizures from tuberous sclerosis - [link](#)

MIMS UK

- Third tiotropium inhaler adds to treatment options for COPD patients, [Tiogiva](#), breath-actuated
- Forxiga ([dapagliflozin](#)) licensed to treat chronic kidney disease in UK adults with or without diabetes

NHS England

- Minimising Clostridioides difficile and Gram-negative Bloodstream Infections - [link](#)

NHS Scotland

- Scottish Medicines Consortium approvals:
-- Autologous anti-CD19-transduced CD3+ cells (KTE-X19) ([Tecartus](#)) in adult patients with relapsed or refractory mantle cell lymphoma after ≥2 lines of systemic therapy including a Bruton's tyrosine kinase (BTK) inhibitor
-- [Avatrombopag](#) (Doptelet®) restricted to primary chronic immune thrombocytopenia in adults refractory to other treatments when disease is severe symptomatic or there is a high risk of bleeding
-- [Avelumab](#) (Bavencio) monotherapy for the first-line maintenance treatment of adult patients with locally advanced or metastatic urothelial carcinoma who are progression-free following platinum-based chemotherapy
-- [Guselkumab](#) (Tremfya) alone or in combination with methotrexate for treatment of active psoriatic arthritis in adult patients who have had an inadequate response or who have been intolerant to a prior DMARD, including biologic-naïve and biologic experienced population
-- [Inclisiran](#) (Leqvio) restricted to specialists for adults at high cardiovascular risk, with primary hypercholesterolaemia (heterozygous familial, non-familial) or mixed dyslipidaemia, as adjunct to diet
-- [Nivolumab](#) (Opdivo) monotherapy for unresectable advanced, recurrent or metastatic oesophageal squamous cell carcinoma after prior fluoropyrimidine- and platinum-based combination chemotherapy
-- [Olaparib](#) (Lynparza) restricted as monotherapy maintenance of adult patients with platinum-sensitive relapsed BRCA-mutated (germline and/or somatic) high-grade epithelial ovarian, fallopian tube, or primary peritoneal cancer who have responded to platinum-based chemotherapy
-- Patiromer sorbitex calcium ([Veltassa](#)) for hyperkalaemia (>6.0mmol/L) in adults with chronic kidney disease stage 3b to 5 and/or heart failure, who would otherwise need to down-titrate or discontinue renin-angiotensin-aldosterone system inhibitor therapy to achieve normokalaemia

National Institute for Health and Clinical Excellence (NICE) UK

- Antimicrobial prescribing: delafloxacin for community-acquired pneumonia [[ES37](#)]
- NICE pilot of new approach to cost-comparison fast track appraisals - [link](#)
- Lipid Management – [Rapid Uptake Product](#) – with statin intolerance pathway

Specialist Pharmacy Services NHS UK

- PGD template for Post Exposure Prophylaxis of HIV - [link](#)

World Health Organisation (WHO)

- Fast Facts on Climate Change and Health - [link](#)
- New WHO toolkit promotes inclusion of people with dementia in society - [link](#)
- Study to prevent deaths from opioid overdose shows promising results - [link](#)

MEDICATION SAFETY

electronic Medicines Compendium (eMC) (UK)

- Revised SPCs
- [Actiq](#) (fentanyl citrate) - contraindication with sodium oxybate products; risk of opioid use disorder; advice on regular dental visits as ACTIQ contains ~ 2 grams of sugar; bleeding at site of application
- Cosentyx ([secukinumab](#)) - 150mg and 300mg dosage strengths not for paediatric use in patients that weigh less than 50 kg
- [Fibryga](#) (human fibrinogen) - Dosing for children age < 12 years in case of surgical procedure; study data relating to the paediatric population and pharmacokinetic data for adolescents
- Forxiga ([dapagliflozin](#)) - new indication for adults with chronic kidney disease; supporting data from Dapa CKD study, with statement that overall safety profile in this population was consistent with the known safety profile of dapagliflozin
- Nulojix ([belatacept](#)) updated for posology, side-effects and study data for use in people receiving treatment from the time of transplantation, and in those who are converted from a calcineurin inhibitor based regimen at least 6 months post transplantation
- Otrivine ([xylometazoline](#)) nasal products - Epistaxis added as uncommon adverse effect
- [Phesgo](#) (pertuzumab/trastuzumab) updated with data on switching treatment from intravenous pertuzumab and trastuzumab to Phesgo (or vice versa)
- Prostin E2 ([dinoprostone](#)) products updated with potential risk of uterine hyperstimulation & uterine rupture and their serious complications, including foetal & neonatal death
- Repatha ([evolocumab](#)) SureClick.- headache added as common adverse event
- Tegsedi ([inotersen](#)) - Hypersensitivity is now listed as uncommon potential adverse effect
- [Triumeq](#) (dolutegravir, abacavir and lamivudine) - magnesium/ aluminium-containing antacids, and calcium, iron and magnesium supplements or multivitamins (the latter only when taken in a fasted state) should be taken a minimum of 2 hours after or 6 hours before
- [Vitamin E](#) Suspension contains benzoic acid (may increase jaundice in newborns), polyoxyl castor oil (may cause stomach upsets/diarrhoea), propylene glycol (co-administration with any substrate for alcohol dehydrogenase may induce serious adverse effects in neonates) and sucrose
- Educational Risk Minimisation Materials: Maxtrex ([methotrexate](#))

Food and Drug Administration (FDA) USA

- Memorandum of Understanding Addressing Certain Distributions of Compounded Drugs - [link](#)

Institute for Safe Medication Practices (ISMP) USA

- Medication Safety Alert! [August 12, 2021](#)
- TN Board of Nursing's Unjust Decision to Revoke Nurse's License: Travesty on Top of Tragedy!
- Weapon of mass destruction?
- Update on need for a pegfilgrastim formulation for pediatric dosing

NSW Health

- Safety Notice [016/21](#): Identification and Monitoring of Post-Injection Syndrome Olanzapine Pamoate Long Acting Injection

Specialist Pharmacy Service

- Safety of medicines in porphyria - [link](#)
- Sennosides new labelling requirements - [link](#)

TGA

- Shortages of tocilizumab (Actemra) medicines (updated 6/8/21) - [link](#)
- Joint statement with the Australian Rheumatology Association and Arthritis Australia providing clinical guidelines to help health professionals manage tocilizumab shortage - [link](#)
- Substituting scarce medicines - [link](#)
- Serious Scarcity Substitution Instruments (SSSIs) - [link](#); Tocilizumab (Actemra) SSSI- [link](#)
- Varenicline. TGA investigation – potential low levels of contamination with N-nitrosovarenicline - [link](#)

PAPERS OF INTEREST

American Journal of Health-System Pharmacy (AJHP)

- Utilization of anti-factor Xa levels to guide reversal of oral factor Xa inhibitors in the emergency department - [link](#)
- Entrustable professional activities for pharmacy students: A primer for solid organ transplant preceptors - [link](#)
- Normal saline or balanced salt solutions for fluid administration with a focus on critical care and emergency medicine settings - [link](#)

British Journal of Clinical Pharmacology

- Switching of oral anticoagulants in patients with non-valvular atrial fibrillation: A narrative [review](#)
- Edoxaban in Cardiovascular Disease Management: [Review](#)
- Association between opioid-related deaths and persistent opioid prescribing in primary care in England: a nested case-control study - [link](#)
- Out-of-hospital cardiac arrest and differential risk of cardiac and non-cardiac QT-prolonging drugs in 37,000 cases - [link](#)
- Considerations regarding choice of primary outcome in clinical trials in deprescribing - [link](#)
- Hyperhydration with cisplatin does not influence pemetrexed exposure - [link](#)
- Genetic variants associated with severe cutaneous adverse reactions induced by [carbamazepine](#)

British Medical Journal (BMJ)

- Ward based management of behavioural and psychological symptoms of dementia - [link](#)
- Effect of low glycaemic index or load dietary patterns on glycaemic control and cardiometabolic risk factors in diabetes: systematic review and meta-analysis of randomised controlled trials - [link](#)

Cochrane

- Calcium supplementation for prevention of primary hypertension - [link](#)
- Degarelix for treating advanced hormone-sensitive prostate cancer - [link](#)
- Hydromorphone for cancer pain - [link](#)
- Timing of pancreatic enzyme replacement therapy (PERT) in cystic fibrosis - [link](#)

Diabetes Care

- Glucose-Lowering Therapy in Patients with Postpancreatitis Diabetes Mellitus: A Nationwide Population-Based Cohort Study - [link](#)

European Heart Journal

- Management of acute coronary syndromes in older adults - [link](#)
- Anticancer drug-induced life-threatening ventricular arrhythmias: a World Health Organization pharmacovigilance study - [link](#)

European Journal of Clinical Pharmacology

- Strategies to prevent drug incompatibility during simultaneous multi-drug infusion in intensive care units: a literature review - [link](#)
- Sertraline concentrations in pregnant women are steady and the drug transfer to their infants is [low](#)
- Pharmacokinetic interaction between atorvastatin and fixed-dose combination of sofosbuvir/ledipasvir in healthy male Egyptian volunteers - [link](#)
- Non-steroidal anti-inflammatory drug-associated acute kidney injury: does short-term NSAID use pose a risk in hospitalized patients? - [link](#)
- Anticholinergic load and delirium in end-of-life patients - [link](#)

International Journal of Clinical Pharmacy

- Prevalence and determinants of intravenous admixture preparation errors: A prospective observational study in a university hospital - [link](#)
- Comparison of various basal insulin dose adjustments for inpatients while unable to eat - [link](#)

International Journal of General Medicine

- Deprescribing in the Older Patient: A Narrative Review of Challenges and Solutions - [link](#) (Harry Wu, Sarah Hilmer and colleagues)

JAMA

- Effect of a Sedation and Ventilator Liberation Protocol vs Usual Care on Duration of Invasive Mechanical Ventilation in Pediatric Intensive Care Units: A Randomized Clinical Trial - [link](#)

- Effect of Intravenous Fluid Treatment with a Balanced Solution vs 0.9% Saline Solution on Mortality in Critically Ill Patients. The BaSICS Randomized Clinical Trial - [link](#)
- Effect of Slower vs Faster Intravenous Fluid Bolus Rates on Mortality in Critically Ill Patients. The BaSICS Randomized Clinical Trial – [link](#) - [editorial](#)

JAMA Dermatology

- Efficacy and Safety of Upadacitinib vs Dupilumab in Adults with Moderate-to-Severe Atopic Dermatitis: A Randomized Clinical Trial - [link](#)

JAMA Internal Medicine

- Appropriate Opioid Prescribing for Acute Pain - [link](#)

JAMA Network Open

- Association Between Receipt of Overlapping Opioid and Benzodiazepine Prescriptions from Multiple Prescribers and Overdose Risk - [link](#)
- Association of Timing of Epinephrine Administration with Outcomes in Adults with Out-of-Hospital Cardiac Arrest - [link](#)

JAMA Ophthalmology

- Evaluation of Intravitreal Aflibercept for the Treatment of Severe Nonproliferative Diabetic Retinopathy. Results from the PANORAMA Randomized Clinical Trial - [link](#)

JAMA Psychiatry

- Sustained Care Smoking Cessation Intervention for Individuals Hospitalized for Psychiatric Disorders: The Helping HAND 3 Randomized Clinical Trial - [link](#)
- Contingency Management for Patients Receiving Medication for Opioid Use Disorder. A Systematic Review and Meta-analysis - [link](#)

JAMA Surgery

- [Viewpoint](#): Perioperative Opioids—Reclaiming Lost Ground

Journal of Clinical Oncology

- Do Steroids Matter? A Retrospective Review of Premedication for Taxane Chemotherapy and Hypersensitivity Reactions - [link](#)

Lancet

- Initiation and completion of treatment for latent tuberculosis infection in migrants globally: a systematic review and meta-analysis - [link](#)

Lancet Haematology

- Early switch to oral anticoagulation in patients with acute intermediate-risk pulmonary embolism (PEITHO-2): a multinational, multicentre, single-arm, phase 4 trial - [link](#)

Lancet Infectious Diseases

- Effect of antibiotic stewardship interventions in primary care on antimicrobial resistance of E. coli bacteraemia in England (2013–18): a quasi-experimental, ecological, data linkage study - [link](#)
- Effects of antibiotic resistance, drug target attainment, bacterial pathogenicity and virulence, and antibiotic access and affordability on outcomes in neonatal sepsis: an international microbiology and drug evaluation prospective substudy (BARNARDS) - [link](#)

Lancet Oncology

- Trastuzumab for early-stage, HER2-positive breast cancer: a meta-analysis of 13 864 women in seven randomised trials - [link](#)

Molecular Diversity Preservation International (MDPI) – Pharmacy Journal

- EMDIA Case Series—Effective Medication Therapy Management (MTM) for Diabetes Type 2 Patients—A Proof of Concept Study - [link](#)
- Use of a Novel Clinical Decision Support Tool for Pharmacist-Led Antimicrobial Stewardship in Patients with Normal Procalcitonin - [link](#)
- Creation of a Pharmacy Student Longitudinal Rotation to Expand the Scope of an Antimicrobial Stewardship Program - [link](#)
- Concomitant Cannabis Misuse and Associations with Depression, Pain and Substance Misuse among Patients Prescribed Opioids - [link](#)

New England Journal of Medicine

- Milrinone as Compared with Dobutamine in the Treatment of Cardiogenic Shock - [link](#)
- Tirzepatide versus Semaglutide Once Weekly in Patients with Type 2 Diabetes - [link](#)
- A Monoclonal Antibody for Malaria Prevention - [link](#)

Pharmaceutical Journal

- How to evaluate the clinical appropriateness of an antimicrobial - [link](#)

Pharmacotherapy

- Tebipenem Pivoxil Hydrobromide – No PICC, No Problem! - [link](#)

PLOS ONE

- Pharmacist-led educational interventions provided to healthcare providers to reduce medication errors: A systematic review and meta-analysis - [link](#)

Stroke

- Association of Oral Anticoagulation with Stroke in Atrial Fibrillation or Heart Failure: A Comparative Meta-Analysis - [link](#)

TAG Mail – 5 August 2021

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 Australia: Epidemiology Report 46- Reporting period ending 18 July 2021 - [link](#)
- Guidance on Myocarditis and Pericarditis after mRNA COVID-19 vaccines - [link](#)
- Information for Immunisation Providers on Thrombosis with Thrombocytopenia Syndrome (TTS) following COVID-19 vaccination (updated 2/8/21) - [link](#)
- Primary care approach to thrombosis with thrombocytopenia syndrome after COVID-19 AstraZeneca vaccine (updated 2/8/21) - [link](#)
- COVID-19 vaccine – Clinical considerations (updated) - [link](#)
- Pregnant women now immediately eligible & prioritised for Comirnaty (Pfizer) vaccine 23/7/21 - [link](#)
- ATAGI:
 - Update following weekly COVID-19 meeting – [28 July 2021](#)
 - Statement regarding vaccination of adolescents aged 12–15 years - [link](#)
 - Statement regarding COVID-19 vaccines in the setting of transmission of the Delta variant - [link](#)
 - Clinical guidance on COVID-19 vaccine in Australia in 2021- ATAGI Provider guide to COVID-19 vaccination of people with immunocompromise (updated) - [link](#)
 - Clinical advice on the use of a different COVID-19 vaccine as the second dose - [link](#)

CEC

- COVID-19 Infection Prevention and Control Manual Version 1.5 (Updated 28/07/2021) - [link](#)
- Tocilizumab - Medication Safety Communication - [link](#)

NSW Health

- COVID-19 Weekly Surveillance in NSW - Epidemiological week 28, ending 17 July 2021 - [link](#)

NSW Health Critical Intelligence Unit

- [COVID-19 Monitor](#) 29 Jul 2021: COVID-19 vaccines, cases, hospitalisations, deaths and variants
- Risk Monitoring [Dashboard](#) 5 July 2021
- Living Evidence:
 - COVID-19 vaccines. Last updated 3 Aug 2021 - [link](#)
 - SARS-CoV-2 variants. Last updated 2 Aug 2021 – [link](#)

- COVID-19 transmission. Last updated 3 Aug 2021 - [link](#)
- Post acute sequelae of COVID-19. Last updated 3 Aug 2021 - [link](#)

The Royal College of Pathologists Australia

- Media Release: Emerging real-world evidence highlights risk of missing COVID-19 cases with rapid antigen tests - [link](#)

TGA

- Clinical guidelines for tocilizumab (Actemra) published to help manage the shortage, 4/8/21 - [link](#)
- COVID-19 vaccine weekly safety report - [29-07-2021](#)
- Communicating about COVID-19 vaccines - [link](#)

INTERNATIONAL

WHO

- Interim recommendations for use of the ChAdOx1-S [recombinant] vaccine against COVID-19 (AstraZeneca COVID-19 vaccine AZD1222 Vaxzevria™, SII COVISHIELD™) - [link](#), annexes [link](#)
- Science in 5: Episode #46 Diabetes & COVID-19; Episode #47 Post COVID-19 condition
- Policy paper on traceability of medical products - [link](#)
- COVID-19 weekly epidemiological update, edition 50, 27 July 2021 - [link](#)

UK

NICE

- COVID-19 rapid guideline: vaccine-induced immune thrombocytopenia & thrombosis (VITT) ([NG200](#))

USA

Centers for Disease Control and Prevention (CDC)

- Morbidity and Mortality Weekly Reports (MMWR)
- Outbreak of SARS-CoV-2 Infections, Including COVID-19 Vaccine Breakthrough Infections, Associated with Large Public Gatherings - Barnstable County, Massachusetts, July 2021 - [link](#)
- COVID-19 vaccine safety in adolescents aged 12-17 years - US, Dec 14, 2020–July 16, 2021- [link](#)
- Guidance for Implementing COVID-19 Prevention Strategies in the Context of Varying Community Transmission Levels and Vaccination Coverage - [link](#)

FDA

- FDA authorizes REGEN-COV monoclonal antibody therapy for post-exposure prophylaxis (prevention) for COVID-19 - [link](#)
- Revised [EUA](#) for baricitinib - no longer required to be administered with remdesivir for the treatment of COVID-19 in hospitalized adults and pediatric patients two years of age or older requiring supplemental oxygen, non-invasive or invasive mechanical ventilation, or extracorporeal membrane oxygenation.

JOURNAL ARTICLES

Annals of Medicine and Surgery

- Global burden of acute myocardial injury associated with COVID-19: A systematic review, meta-analysis, and meta-regression - [link](#)

Arthritis and Rheumatology

- American College of Rheumatology Guidance for COVID-19 Vaccination in Patients with Rheumatic and Musculoskeletal Diseases: [Version 3](#)

BJCP

- COVID-19 Acute Respiratory Distress Syndrome (ARDS): a Simulation Study of the Effects of Combination Therapy with Tocilizumab and Siltuximab - [link](#)
- Development, evaluation and use of COVID-19 vaccines in older adults: Preliminary principles for the pandemic and beyond - [link](#)

Biochemistry Research International

- Coronavirus Disease 2019-Related Multisystem Inflammatory Syndrome in Children: A Systematic Review and Meta-Analysis - [link](#)

bioRxiv

- SARS-CoV-2 Lambda variant exhibits higher infectivity and immune resistance - [link](#)

BMC Infectious diseases

- Ivermectin to prevent hospitalizations in patients with COVID-19 (IVERCOR-COVID19) a randomized, double-blind, placebo-controlled trial - [link](#)

BMC Medicine

- Evaluation of the safety profile of COVID-19 vaccines: a [rapid review](#)

Cochrane

- Special Collections COVID-19: Evidence relevant to [Critical Care](#); Remote care through [telehealth](#)
- [Review](#): Ivermectin for preventing and treating COVID-19

Diabetes & Metabolic Syndrome: Clinical Research & Reviews

- Association of calcium channel blocker use with clinical outcome of COVID-19: A [meta-analysis](#)

European Review for Medical and Pharmacological Sciences

- Plasma convalescent decrease mortality in COVID-19 patients: [systematic review & meta-analysis](#)

Infectious diseases and therapy

- Clinical Management of Adult Patients with COVID-19 Outside Intensive Care Units: Guidelines from the Italian Society of Anti-Infective Therapy (SITA) and the Italian Society of Pulmonology (SIP)

International Journal of Clinical Pharmacy

- Drug-induced liver injury associated with lopinavir-ritonavir in patients with COVID-19: a disproportionality analysis of U.S. food and drug administration adverse event reporting system (FAERS) data - [link](#)

JAMA

- Guidance for Health Care Leaders During the Recovery Stage of the COVID-19 Pandemic: A Consensus Statement - [link](#)
- Association Between Mood Disorders and Risk of COVID-19 Infection, Hospitalization, and Death A Systematic Review and [Meta-analysis](#)
- Presumed SARS-CoV-2 Viral Particles in the Human Retina of Patients With COVID-19 - [link](#), [commentary](#)

Journal of Neurology, Neurosurgery & Psychiatry

- Anti-CD20 therapies decrease humoral immune response to SARS-CoV-2 in patients with multiple sclerosis or neuromyelitis optica spectrum disorders - [link](#), [commentary](#)

Journal of Post-Acute and Long-Term Care Medicine

- Predicting Mortality Risk in Older Hospitalized Persons With COVID-19: A Comparison of the COVID-19 Mortality Risk Score with Frailty and Disability - [link](#)

Lancet

- Hand hygiene in health care: 20 years of ongoing advances and perspectives - [link](#)
- Changes in systemic cancer therapy in Australia during the COVID-19 pandemic: a population-based study - [link](#)
- [Correspondence](#): Bamlanivimab as monotherapy in 2 immunocompromised patients with COVID-19
- [Correspondence](#): Very rare thrombosis with thrombocytopenia after second AZD1222 dose: a global safety database analysis
- Risk of acute myocardial infarction and ischaemic stroke following COVID-19 in Sweden: a self-controlled case series and matched [cohort study](#)
- [Preprint](#): Thromboembolic Events and Thrombosis with Thrombocytopenia After COVID-19 Infection and Vaccination in Catalonia, Spain
- How will mass-vaccination change COVID-19 lockdown requirements in Australia? - [link](#)
- Cerebral venous thrombosis and portal vein thrombosis: A retrospective cohort study of 537,913 COVID-19 cases - [link](#)

- Effect of co-infection with intestinal parasites on COVID-19 severity: A prospective observational cohort study - [link](#)

Leukemia

- Response to mRNA vaccination for COVID-19 among patients with multiple myeloma - [link](#)

Medical Journal of Australia

- Preprint: Coronavirus (COVID-19) vaccination information must pay attention to health literacy: analysis of readability of official COVID-19 public health information - [link](#)

MedRxiv

- Pfizer preprint: Six Month Safety and Efficacy of the BNT162b2 mRNA COVID-19 Vaccine - [link](#)
- Vaccine effectiveness when combining the ChAdOx1 vaccine as the first dose with an mRNA COVID-19 vaccine as the second dose - [link](#)

Nature Medicine

- Immunogenicity and safety of the CoronaVac inactivated vaccine in patients with autoimmune rheumatic diseases: a phase 4 trial - [link](#)
- Time-varying optimization of COVID-19 vaccine prioritization in the context of limited vaccination capacity - [link](#)

New England Journal of Medicine (NEJM)

- Therapeutic Anticoagulation with Heparin in [Critically Ill](#) Patients with Covid-19
- Therapeutic Anticoagulation with Heparin in [Noncritically Ill](#) Patients with Covid-19
- [Editorial](#): Surviving Covid-19 with Heparin?
- Covid-19 Breakthrough Infections in Vaccinated Health Care Workers - [link](#)
- Tofacitinib in Patients Hospitalized with Covid-19 Pneumonia - [link](#)
- Subcutaneous REGEN-COV Antibody Combination to Prevent Covid-19 - [link](#)
- [Audio Interview](#): Looking Back and Looking Forward - Part 1
- [Perspective](#): Identifying and Tracking SARS-CoV-2 Variants - A Challenge and an Opportunity
- [Correspondence](#): BNT162b2-Elicited Neutralization against New SARS-CoV-2 Spike Variants

Pharmacotherapy

- Bamlanivimab Use in Mild-to-Moderate COVID-19 Disease: A Matched Cohort Design - [link](#)

Scientific Reports

- Rates of SARS-CoV-2 transmission and vaccination impact the fate of vaccine-resistant strains - [link](#)

REPORTS AND PUBLICATIONS – AUSTRALIA

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

- National Standard for Labelling Dispensed Medicines, July 2021 - [link](#) - [testing](#)

Australian Institute for Health and Welfare (AIHW)

- National framework for protecting Australia's children indicators - [link](#)
- Sleep-related breathing disorders with a focus on obstructive sleep apnoea - [link](#)
- Geographical variation in disease: diabetes, cardiovascular and chronic kidney disease - [link](#)
- Older Mothers in Australia 2019 - [link](#)

MIMS monthly [August 2021](#)

- New Products: Drospirenone (Slinda) progestogen-only pill derived from spironolactone; Risdiplam (Evrysdi) is a survival of motor neuron 2 (SMN2) pre-mRNA splicing modifier designed to treat spinal muscular atrophy (SMA)
- New indication: Ixekizumab (rhc) (Taltz) for adults with active non-radiographic axial spondyloarthritis with objective signs of inflammation as indicated by elevated C-reactive protein and/or MRI evidence, who have responded inadequately to, or are intolerant to, nonsteroidal anti-inflammatory drugs

NHMRC Impact Case Studies

- Helping GPs care for our mental health: [Case Study](#)

Victorian Institute of Forensic Medicine

- Future Leaders Communiqué Volume 6 Issue 3 July 2021 - [link](#)

REPORTS AND PUBLICATIONS – INTERNATIONAL

British National Formulary (BNF) newsletter – [July 2021](#)

- New monographs (BNF): inclisiran, selpercatinib
- New monographs (BNF for children): conestat alfa, ravulizumab
- MHRA advice on: aflibercept, levothyroxine sodium
- BNF hosts antimicrobial summary guidance on behalf of NICE and Public Health England - [link](#)

Canadian Agency for Drugs and Technologies in Health

- Vitamin D Supplementation for the Prevention and/or Treatment of Cardiovascular Disease, Cancer, and Other Conditions in Residents of Long-Term Care Facilities - [link](#)
- Vitamin D Supplementation for the Prevention of Falls and Fractures in Residents of Long-Term Care Facilities: A 2021 Update - [link](#)
- Point-of-Care Testing and N-Acetylcysteine for Acute Acetaminophen Overdose - [link](#)
- Proton Pump Inhibitors (PPIs) and Clostridium difficile Infection (CDI): What does the [evidence](#) say?

eMC

New indications/licence extensions

- Keytruda ([pembrolizumab](#)) - licence extension (with platinum & fluoropyrimidine chemotherapy) for 1st line treatment of locally advanced unresectable or metastatic carcinoma of oesophagus or HER-2 negative gastroesophageal junction adenocarcinoma in adults whose tumours express PD-L1
- Opdivo ([nivolumab](#)) extensions for mismatch repair deficient or microsatellite instability-high colorectal cancer and, in combination with ipilimumab, for the first-line treatment of unresectable malignant pleural mesothelioma
- Yervoy ([ipilimumab](#)) new indications of use in combination with nivolumab for treatment of dMMR or MSI-H metastatic colorectal cancer after prior fluoropyrimidine-based combination chemotherapy and first-line treatment of unresectable malignant pleural mesothelioma

Food and Drug Administration (FDA) USA

- New Fact Sheets for Health Care Providers
- Overview of Biosimilar Products - [link](#)
- Biosimilar Regulatory Review and Approval - [link](#)
- Interchangeable Biological Products - [link](#)
- New Drug approvals
- anifrolumab-fnia ([Saphnelo](#)) to treat moderate-to severe SLE along with standard therapy
- First Interchangeable Biosimilar Insulin Product for Treatment of Diabetes, [Semglee](#)
- New IV formulation for pulmonary arterial hypertension, [selexipag](#) (Upravi)
- New fixed-dose combination topical cream for acne vulgaris, benzoyl peroxide/tretinoin ([Twyneo](#))

Health Education England

- Launches videos to help support health and care staff reduce the impact of antibiotic resistance- [link](#)

National Institute for Health and Clinical Excellence (NICE) UK

- Final appraisal document: Bimekizumab for moderate to severe plaque psoriasis [[ID2692](#)]

Specialist Pharmacy Services NHS UK

- Comparative table of low molecular weight heparins and fondaparinux - [link](#)

MEDICATION SAFETY

electronic Medicines Compendium (eMC) (UK)

- Revised SPCs

- [Aprovel](#) (irbesartan) and CoAprovel (hydrochlorothiazide with irbesartan) - hypoglycaemia can occur with these products, particularly in diabetic patients
- Cimzia ([certolizumab](#) pegol) injection in dose-dispenser cartridge - option to use the ava Connect version of the ava injection device, in addition to other presentations, to administer a maintenance dose of 400 mg every 2 weeks (plaque psoriasis) or a reduced maintenance dose of 200 mg every 4 weeks (axial spondyloarthritis)
- Diflucan ([fluconazole](#)) – updated with drug reaction with eosinophilia and systemic symptoms (DRESS) (unknown frequency); data when treated with a cumulative dose of ≤ 150 mg in the first trimester of pregnancy; information about superinfection with Candida species
- [Ferinject](#) (ferric carboxymaltose) - distant skin discolouration added as rare adverse effect
- [Methadone](#) Hydrochloride - co-administration with metamizole (inducer of metabolising enzymes) may cause reduction in plasma concentrations of methadone with potential decrease in efficacy
- Rapamune ([sirolimus](#)) - addition of interaction between sirolimus and letermovir due to inhibition of CYP3A4 that may decrease the metabolism of sirolimus
- [Thalidomide](#) - progressive multifocal leukoencephalopathy (PML), including fatal cases, reported
- [Zejula](#) (niraparib tosylate monohydrate) - cognitive impairment as a common side effect
- Zirtek Allergy Relief ([cetirizine](#)) - use in patients with end-stage renal disease with GFR <15mL/min (previously <10ml/min) is contra-indicated. Myalgia added as an adverse event (unknown frequency)
- Educational Risk Minimisation Materials
- Xarelto ([rivaroxaban](#)) patient alert card

Food and Drug Administration (FDA) USA

- FDA alerts patients and health care professionals about clinical trial results showing an increased risk of death associated with Pepaxto (melphalan flufenamide) - [link](#)

Health Canada

- Health Product InfoWatch – [July 2021](#). Health products mentioned in this issue:
- [AstraZeneca COVID-19 Vaccine](#); [Champix \(varenicline\)](#); [COVID-19 Vaccine Moderna](#); [COVISHIELD](#); [Dopamine agonists](#); [Gavreto \(pralsetinib\)](#); [Irbesartan](#); [Kadcyla \(trastuzumab emtansine\)](#); [Linesa 21](#); [Losartan](#); [Non-steroidal anti-inflammatory drugs](#); [Pfizer-BioNTech COVID-19 Vaccine](#); [Retevmo \(selpercatinib\)](#); [Ruzurgi \(amifampridine\)](#); [Valsartan](#)

Medicines and Healthcare products Regulatory Agency (MHRA) UK

- [Safety leaflet](#): Opioid medicines and the risk of addiction

MIMS monthly [August 2021](#)

- New Contraindications
- Clindamycin (phosphate)/Tretinoin (Acnatac) - in patients who have a personal or familial history of skin cancer
- Flucytosine (Ancotil) - in patients with known complete dihydropyrimidine dehydrogenase deficiency

TGA

- Safety Advisory: [Black Ant King tablets](#) and [One Night Love tablets](#) contain the undeclared substances Sildenafil and Ciprofloxacin; [Gold Ant tablets](#) contain the undeclared substance Sildenafil
- [Recall](#): Neutrogena Ultra Sheer Body Mist Sunscreen Spray SPF 50+ possible presence of benzene

PAPERS OF INTEREST

American Journal of Cardiology

- The CHA2DS2-VASc Score for Risk Stratification of Stroke in Heart Failure With-vs-Without Atrial Fibrillation – [link](#)

Annals of Internal Medicine

- Midodrine for the prevention of vasovagal syncope - A Randomized Clinical Trial - [link](#) - [editorial](#)

Arthritis & Rheumatology

- Effectiveness of Allopurinol in Reducing Mortality: Time-Related Biases in Observational [Studies](#)

- Moving the Goalpost Toward Remission: The Case for Combination Immunomodulatory Therapies in Psoriatic Arthritis - [link](#)

BMC Public Health

- Prevalence and early-life determinants of mid-life multimorbidity: evidence from the 1970 British birth cohort - [link](#)

British Journal of Clinical Pharmacology

- Drug tolerability: how much ambiguity can be tolerated? A systematic review of the assessment of tolerability in clinical studies - [link](#)

- Pharmacist-led intervention on chronic pain management: A systematic review and [meta-analysis](#)

- A pharmacotherapy self-assessment improves prescribing by prompting junior doctors to study further - [link](#)

- Atropine-induced toxicity after off-label sublingual administration of eyedrop for sialorrhoea treatment in neurological disabled patients - [link](#)

- Drug-induced peripheral oedema: An aetiology-based review - [link](#)

- Wound complications and bleeding with new oral anticoagulants in patients undergoing total joint arthroplasty: a systematic review and meta-analysis of randomized controlled trials - [link](#)

- Methodological issues in research on drug-related admissions – a meta-epidemiological review with focus on causality assessments - [link](#)

- Determinants for under- and overdosing of direct oral anticoagulants and physicians' implementation of clinical pharmacists' recommendations - [link](#)

- Post-injury benzodiazepine and opioid use among older adults involved in road traffic crashes: a Swedish register-based longitudinal study - [link](#)

- Regulatory authority and clinical acceptability: Physicians' responses to regulatory drug safety warnings - [link](#)

- Methodological issues in research on drug-related admissions – a meta-epidemiological review with focus on causality assessments - [link](#)

- Identification of different side effects between PARP inhibitors and their polypharmacological multi-target rationale - [link](#)

- Potential inappropriate use of strong opioid analgesics in cancer outpatients during the last year of life and associated factors - [link](#)

- Clinical evaluation of the potential drug-drug interactions of savolitinib: interaction with rifampicin, itraconazole, famotidine or midazolam - [link](#)

- Emerging therapeutic drug monitoring of anti-infective agents in Australian hospitals: Availability, performance and barriers to implementation - [link](#)

British Journal of General Practice

- Structured medication reviews: origins, implementation, evidence, and prospects - [link](#)

British Medical Journal (BMJ)

- FDA allows drugs without proven clinical benefit to languish for years on accelerated pathway - [link](#)

BMJ Open

- Are interventions to improve cardiovascular disease risk factors in premenopausal women effective? A systematic review and meta-analysis - [link](#)

- Impact of aspirin use on clinical outcomes in patients with vasospastic angina: a systematic review and meta-analysis - [link](#)

- Risk assessment models for venous thromboembolism in hospitalised adult patients: a systematic review - [link](#)

- Consideration of antimicrobial resistance and contextual factors in infectious disease guidelines: a systematic survey - [link](#)

- Adapting interventions to new contexts—the ADAPT guidance - [link](#)

Circulation

- Early Rhythm Control Therapy in Patients with Atrial Fibrillation and Heart Failure - [link](#)

Cochrane

- Neoadjuvant chemotherapy before surgery versus surgery followed by chemotherapy for initial treatment in advanced ovarian epithelial cancer - [link](#)

Critical Care Medicine

- Simultaneous Use of Hypertonic Saline and IV Furosemide for Fluid Overload: A Systematic Review and Meta-Analysis - [link](#)

Diabetes Care

- Risk of Major Congenital Malformations or Perinatal or Neonatal Death with Insulin Detemir Versus Other Basal Insulins in Pregnant Women With Preexisting Diabetes: The Real-World EVOLVE [Study](#)

Drug and Therapeutics Bulletin

- Colchicine for secondary prevention in chronic coronary disease? - [link](#)
- [DTB forum](#): Can we achieve shorter antibiotic courses in primary care?

European Heart Journal

- Prevalence, management and impact of chronic obstructive pulmonary disease in atrial fibrillation: a systematic review and meta-analysis of 4,200,000 patients - [link](#)
- Antiplatelet therapy in patients with conservatively managed spontaneous coronary artery dissection from the multicentre DISCO registry - [link](#)

European Journal of Hospital Pharmacy

- Evaluation of the impact of the addition of a heart failure prescribing pharmacist to consultant-led heart failure ward round at a tertiary hospital - [link](#)
- Haemolytic anaemia induced by flutamide: a [case report](#)

Health Expectations

- Developing and user testing new pharmacy label formats—A study to inform labelling [standards](#)

Health Technology Assessment

- Venous access devices for the delivery of long-term chemotherapy: the CAVA three-arm [RCT](#)

Heart

- Non-vitamin K antagonist oral anticoagulants, proton pump inhibitors and gastrointestinal [bleeds](#)

Internal Medicine Journal

- Insulin sensitivity, cardiovascular function and bone health in women with early stage breast cancer before and after cancer treatment - [link](#)
- Clinical evaluation of the national hospital acquired complication program - [link](#)

International Journal of Clinical Pharmacy

- Risk of major bleeding and thromboembolism in Asian patients with nonvalvular atrial fibrillation using direct oral anticoagulants versus warfarin - [link](#)

Journal of the American College of Cardiology

- Mortality Benefit of Rivaroxaban Plus Aspirin in Patients with Chronic Coronary or Peripheral Artery Disease - [link](#)

JAMA

- Effect of a Hospital and Postdischarge Quality Improvement Intervention on Clinical Outcomes and Quality of Care for Patients with Heart Failure With Reduced Ejection Fraction. [CONNECT-HF](#) RCT
- Anabolic Therapy for Osteoporosis - [link](#)
- Using Updated PubMed: New Features and Functions to Enhance Literature Searches - [link](#)
- Association of Dose Tapering With Overdose or Mental Health Crisis Among Patients Prescribed Long-term Opioids - [link](#) - [editorial](#)

JAMA Cardiology

- Extrapolating Long-term Event-Free and Overall Survival with Dapagliflozin in Patients With Heart Failure and Reduced Ejection Fraction. An Exploratory Analysis of a Phase 3 RCT - [link](#) - [comment](#)

JAMA Network Open

- Clinician Conceptualization of the Benefits of Treatments for Individual Patients - [link](#)
- Association of Sodium Thiosulfate with Risk of Ototoxic Effects from Platinum-Based Chemotherapy. A Systematic Review and Meta-analysis - [link](#)

JAMA Neurology

- Suicidality risk of newer antiseizure medications: A Meta-analysis - [link](#)
- Depression Outcomes Among Patients Treated With Fluoxetine for Stroke Recovery. The AFFINITY Randomized Clinical Trial - [link](#) - [editorial](#)

JAMA Oncology

- Metformin in Combination With Chemoradiotherapy in Locally Advanced Non–Small Cell Lung Cancer - [OCOG-ALMERA](#) RCT - [NRG-LU001](#) Phase 2 RCT - invited [commentary](#)

Journal of Clinical Oncology

- Chemotherapy and Targeted Therapy for Patients with Human Epidermal Growth Factor Receptor 2–Negative Metastatic Breast Cancer That is Either Endocrine-Pretreated or Hormone Receptor–Negative: ASCO Guideline Update - [link](#)
- Endocrine Treatment and Targeted Therapy for Hormone Receptor–Positive, Human Epidermal Growth Factor Receptor 2–Negative Metastatic Breast Cancer: ASCO Guideline Update - [link](#)

Journal of Pharmaceutical Policy and Practice

- “Drugs to avoid” to improve quality use of medicines: how is Australia faring? - [link](#)

Lancet

- Lancet series on physical activity - [link](#)

Lancet Haematology

- Progressive multifocal leukoencephalopathy in patients treated with rituximab: a 20-year review from the Southern Network on Adverse Reactions - [link](#)

Lancet Infectious Diseases

- Comparison of antibiotics included in national essential medicines lists of 138 countries using the WHO Access, Watch, Reserve (AWaRe) classification: a cross-sectional study - [link](#)
- Adoption of guidelines on and use of oral pre-exposure prophylaxis: a global summary and forecasting study - [link](#)

Molecular Diversity Preservation International (MDPI) – Pharmacy Journal

- Potential Excess Intravenous Antibiotic Therapy in the Setting of Gram-Negative Bacteremia - [link](#)

Medical Journal of Australia

- Editorial: Opioid prescribing in Australia: too much and not enough - [link](#)
- The Queensland Inpatient Diabetes Survey (QuIDS) 2019: the bedside audit of practice - [link](#)

New England Journal of Medicine

- A Trial of Hyperimmune Globulin to Prevent Congenital Cytomegalovirus Infection - [link](#)
- Duration of Adjuvant Aromatase-Inhibitor Therapy in Postmenopausal Breast Cancer - [link](#)
- Long-Term Complications in Youth-Onset Type 2 Diabetes - [link](#)
- Risdipram-Treated Infants with Type 1 Spinal Muscular Atrophy versus Historical Controls - [link](#)
- [Perspective](#): Controversy and Progress in Alzheimer’s Disease — FDA Approval of Aducanumab
- [Perspective](#): Revisiting FDA Approval of Aducanumab
- [Letter](#): An Appropriate Use of Accelerated Approval — Aducanumab for Alzheimer’s Disease
- Clinical practice: Age-Related Macular Degeneration - [link](#)
- Review article: Depression in Adolescents - [link](#)

Pharmaceutical Journal

- Opinion: Insulin prescribing errors across NHS trusts hindered by variation in prescribing systems and interventions used to reduce insulin errors - [link](#)

Pharmacotherapy

- Risk of fall-related injury and all-cause hospitalization of select concomitant central nervous system medication prescribing in older adult persistent opioid users: A case-time-control analysis - [link](#)

Prescriber UK

- Editorial: The heart of effective CVD risk management - [link](#)
- Prescribing Skills Assessment - [link](#)
- Pharmacological secondary prevention of MI - [link](#)

Public Library of Science (PLOS)

- Menopausal hormone therapy and women's health: An umbrella review - [link](#)
- Evaluation of a package of risk-based pharmaceutical and lifestyle interventions in patients with hypertension and/or diabetes in rural China: A pragmatic cluster randomised controlled trial - [link](#)

Therapeutics and Clinical Risk Management

- Ocrelizumab for the Treatment of Multiple Sclerosis: Safety, Efficacy, and Pharmacology - [link](#)

TAG Mail – 29 July 2021

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

- ATAGI Statement, Response to NSW COVID-19 outbreak 24th July 2021 - [link](#)
- ATAGI update following weekly COVID-19 meeting – 21 July 2021 - [link](#)
- ATAGI clinical guidance on COVID-19 vaccine in Australia in 2021 (updated 23/07/21)- [link](#)
- COVID-19 vaccine – Clinical considerations (updated 22/07/21) - [link](#)

National COVID-19 Clinical Evidence Taskforce

- Australian guidelines for the clinical care of people with COVID-19 V41.2 [update](#)
- Australian guidelines for SARS-CoV-2 infection prevention and control of COVID-19 in healthcare workers (Version 1.0) - [link](#)

NSW Health

- Updated 22/7/21: Statewide Protocol for the Supply or Administration of COVID-19 Vaccine ([PD2021_028](#))

NSW Health Critical Intelligence Unit

- [COVID-19 Monitor 29 Jul 2021](#): COVID-19 vaccines, cases, hospitalisations, deaths and variants
- [Risk Monitoring Dashboard 28 July 2021](#)
- Living Evidence:
 - COVID-19 vaccines. Last updated 27 July 2021 - [link](#)
 - SARS-CoV-2 variants. Last updated 26 July 2021 – [link](#)

TGA

- COVID-19 vaccine weekly safety report - [22-07-2021](#)
- TGA [Provisional Approval](#) of Pfizer-BioNTech COVID-19 vaccine to include 12-15 years age group
- Pfizer COVID-19 vaccine (COMIRNATY) - Addition of safety information about myocarditis and pericarditis to Product Information - [link](#)
- COVID-19 vaccine: Information for consumers and health professionals (updated 23/7/21) - [link](#)
- The ability of COVID-19 tests to detect emerging genetic variants of SARS-CoV-2 - [link](#)
- AusPAR: BNT162b2 (mRNA) vaccine (Comirnaty) updated - Active immunisation to prevent COVID-19 caused by SARS-CoV-2, in individuals 12 years of age and older - [link](#)

INTERNATIONAL

WHO

- [Statement](#) of the WHO Global Advisory Committee on Vaccine Safety (GACVS) COVID-19 subcommittee on reports of Guillain-Barré Syndrome following adenovirus vector COVID-19 vaccines
- Guidance on conducting vaccine effectiveness evaluations in the setting of new SARS-CoV-2 variants: Interim guidance, 22 July 2021. [Addendum](#) to Evaluation of COVID-19 vaccine effectiveness
- Fifth and sixth meeting of the Technical Advisory Group on Safe Schooling during the COVID-19 Pandemic: Copenhagen, Denmark, 21 May 2021 - [link](#)
- The WHO and Angry Birds Friends encourage communities to stay active during COVID-19 – [link](#)

Europe

EMA

- COVID-19 Vaccine Janssen: Guillain-Barré syndrome listed as a very rare side effect - [link](#)

- COVID-19 vaccine Spikevax approved for children aged 12 to 17 in EU - [link](#)

UK

- eMC

-- Revised SPC: [Comirnaty](#) concentrate for dispersion for injection COVID-19 mRNA Vaccine (nucleoside modified) updated to note very rare cases of myocarditis and pericarditis observed following vaccination; primarily within 14 days, more often after second vaccination & in younger men

-- Revised SPC: COVID-19 Vaccine ([AstraZeneca](#)) updated to now include capillary leak syndrome (CLC) as a contraindication, special warning and an adverse effect of unknown frequency

- MHRA

-- Regulator warns against purchasing inaccurate infrared thermometers - [link](#)

- Public Health England

-- SARS-CoV-2 variants of concern and variants under investigation in England. [Technical briefing 19](#)

USA

-American Society of Health-System Pharmacists (ASHP)

-- ASHP discussion forum ([Sign up](#) for free) recent topics of discussion include: Remdesivir in observation patients; Breakthrough Infections and MABs

- Centers for Disease Control and Prevention (CDC)

-- Morbidity and Mortality Weekly Report (MMWR): Changes in Influenza & Other Respiratory Virus Activity During the COVID-19 Pandemic. US, 2020–2021 - [link](#)

-- Selected Adverse Events Reported after COVID-19 Vaccination. Updated 21/07/2021 - [link](#)

- FDA

-- Global Regulators Envision Paradigm Shift toward Inclusion of Pregnant and Breastfeeding Women in Clinical Research for Medicines and Vaccines - [link](#)

JOURNAL ARTICLES

Am J Health-Syst Pharm

- Budgeting in the post-COVID era: Be in the room where it happens - [link](#)

BMJ

- [Opinion](#): Artificial intelligence for covid-19 response

- Best Practice Coronavirus disease 2019 (COVID-19) updated 22/07/2021 - [link](#)

- [Editorial](#): Should the UK vaccinate children and adolescents against covid-19?

- [Clinical Review](#): Long covid—mechanisms, risk factors, and management

BMJ Leader

- New ways of working: COVID-19 as a catalyst for change in acute mental health services - [link](#)

BJCP

- [Editorial](#): Science fiction has become reality: best practice for future viral pandemics

- Cardiovascular drugs and COVID-19 clinical outcomes: [A living systematic review and meta-analysis](#)

British Journal of Sports Medicine

- Physical activity and the risk of SARS-CoV-2 infection, severe COVID-19 illness and COVID-19 related mortality in South Korea: a nationwide [cohort study](#)

Cochrane

- Interventions for the prevention of persistent post-COVID-19 olfactory dysfunction - [link](#)

EClinicalMedicine

- Comparing the diagnostic accuracy of point-of-care lateral flow antigen testing for SARS-CoV-2 with RT-PCR in primary care (REAP-2) - [link](#)

European Journal of Clinical Nutrition

- The effect of high-dose parenteral vitamin D3 on COVID-19-related in-hospital mortality in critical COVID-19 patients during intensive care unit admission: an observational cohort study - [link](#)

European Journal of Hospital Pharmacy

- Comparison of medium-term adverse reactions induced by the first and second dose of mRNA BNT162b2 (Comirnaty, Pfizer-BioNTech) vaccine: a post-marketing Italian study conducted between 1 January and 28 February 2021 - [link](#)
- The dynamics in applied COVID-19 pharmacotherapy and the influence of national guidance in The Netherlands: a quantitative and qualitative study - [link](#)

Frontiers in Public Health

- Real-World Evidence: The Low Validity of Temperature Screening for COVID-19 Triage - [link](#)

Frontiers in Medicine

- The Prognostic Accuracy of National Early Warning Score 2 on Predicting Clinical Deterioration for Patients with COVID-19: A Systematic Review and Meta-Analysis - [link](#)

International Journal of Infectious Diseases

- Performance of a SARS CoV-2 antigen rapid immunoassay in patients admitted to the Emergency Department - [link](#)

JAMA

- Association between Mental Health Disorders and Mortality among Patients with COVID-19 in 7 Countries: A Systematic Review and Meta-analysis - [link](#)
- Assessment of the Performance Consistency of an Adverse Outcome Prediction Tool for Patients Hospitalized with COVID-19 - [link](#)
- [Editorial](#): Nine Lessons Learned from the COVID-19 Pandemic for Improving Hospital Care & Health Care Delivery
- Research [Letter](#): Incidence of Axillary Adenopathy in Breast Imaging After COVID-19 Vaccination
- Research [Letter](#): Antibody Response After a Third Dose of the mRNA-1273 SARS-CoV-2 Vaccine in Kidney Transplant Recipients with Minimal Serologic Response to 2 Doses
- Research [Letter](#): Safety Evaluation of the Second Dose of Messenger RNA COVID-19 Vaccines in Patients with Immediate Reactions to the First Dose
- [Viewpoint](#): Lay Epidemiology and Vaccine Acceptance
- [Viewpoint](#): Potential COVID-19 Endgame Scenarios. Eradication, Elimination, Cohabitation, or Conflagration?
- Frequency of Thrombocytopenia and Platelet Factor 4/Heparin Antibodies in Patients with Cerebral Venous Sinus Thrombosis Prior to the COVID-19 Pandemic - [link](#)

Journal of Clinical Pathology

- [Correspondence](#): Haemophagocytic lymphohistiocytosis after ChAdOx1 nCoV-19 vaccination

Journal of Thrombosis and Haemostasis

- Standard prophylactic versus intermediate dose enoxaparin in adults with severe COVID-19: A multi-center, open-label, [randomized controlled trial](#)

Lancet

- Humoral & cellular immunity to SARS-CoV-2 vaccination in renal transplant versus dialysis patients: A prospective, multicenter observational study using mRNA-1273 or BNT162b2 mRNA vaccine - [link](#)
- [Commentary](#): Tolerance of COVID-19 vaccination in patients with systemic lupus erythematosus: the international VACOLUP study
- Dapagliflozin in patients with cardiometabolic risk factors hospitalised with COVID-19 (DARE-19): a randomised, double-blind, placebo-controlled, phase 3 trial - [link](#), [commentary link](#)
- Doxycycline for community treatment of suspected COVID-19 in people at high risk of adverse outcomes in the UK (PRINCIPLE): a randomised, controlled, open-label, adaptive platform trial - [link](#)
- Safety, tolerability, and immunogenicity of an aerosolised adenovirus type-5 vector-based COVID-19 vaccine (Ad5-nCoV) in adults: preliminary report of an open-label randomised phase 1 clinical [trial](#)

Medical Journal of Australia

- [Episode 30](#): Communicating to patients and the public about COVID-19 vaccine safety

medRxiv

- Reduced neutralizing activity of post-SARS-CoV-2 vaccination serum against variants B.1.617.2, B.1.351, B.1.1.7+E484K and a sub-variant of C.37 - [link](#)

- mRNA Vaccine Effectiveness against COVID-19 among Symptomatic Outpatients Aged ≥16 Years in the United States, February - May 2021 - [link](#)
- Effectiveness of the ChAdOx1 vaccine in the elderly during SARS-CoV-2 Gamma variant transmission in Brazil - [link](#)
- Effectiveness of Covishield vaccine in preventing Covid-19 - A test-negative [case-control study](#)
- Single-dose mRNA vaccine effectiveness against SARS-CoV-2 in healthcare workers extending 16 weeks post-vaccination: a test-negative design from Quebec, Canada - [link](#)
- Delta variants of SARS-CoV-2 cause significantly increased vaccine breakthrough COVID-19 cases in Houston, Texas - [link](#)
- Robust antibody levels in both diabetic and non-diabetic individuals after BNT162b2 mRNA COVID-19 vaccination - [link](#)

Nature

- Coronapod: the latest on COVID and sporting events [podcast](#)

Nature Medicine

- Immunogenicity and reactogenicity of heterologous ChAdOx1 nCoV-19/mRNA vaccination - [link](#)

Nature npj Digital Medicine

- Mapping each pre-existing condition's association to short-term and long-term COVID-19 complications - [link](#)

NEJM

- Case 23-2020: A 76-Year-Old Woman Who Died from Covid-19 - [link](#)
- Tofacitinib in Patients Hospitalized with Covid-19 Pneumonia - [link](#); [Editorial](#): JAK Inhibitors — More Than Just Glucocorticoids
- Covid-19 Breakthrough Infections in Vaccinated Health Care Workers - [link](#)

Pediatric Research

- SARS-CoV-2 acquisition and immune pathogenesis among school-aged learners in four diverse schools - [link](#)

Pharmaceutical Journal

- Pharmacy's mental health crisis: building back better post-pandemic (audio) - [link](#)
- Pharmacists could assess patients' suitability for COVID-19 monoclonal antibody treatment - [link](#)
- In figures: the science of stress - [link](#)

PITCH Study

- Sustained T cell immunity, protection and boosting using extended dosing intervals of BNT162b2 mRNA vaccine - [link](#)

Rheumatology

- Anakinra in hospitalized non-intubated patients with coronavirus disease 2019: a systematic review and meta-analysis - [link](#)

Scientific Reports

- Clinical and laboratory characteristics of symptomatic healthcare workers with suspected COVID-19: a prospective [cohort study](#)
- Long-term effects of malnutrition on severity of COVID-19 - [link](#)

Shock

- Comparison of associations between glucocorticoids treatment and mortality in COVID-19 patients and SARS patients: A systematic review and meta-analysis

OTHER NEWS (bold = new)

Australian Digital Health Agency

- [Digital Health Security Awareness eLearning course](#) provides an introduction to online security concepts for the healthcare sector.

CEC Medication Supply [Updates](#):

-**Added:** Azathioprine injection; Etacrynic acid; Nitrofurantoin; Promethazine

-**Updated:** Flucytosine

eTG complete - July 2021 [update](#):

- Antibiotic guidelines:

-- The [empirical antibiotic regimens for children 2 months or older with community-acquired sepsis or septic shock](#) have been updated in line with current Australian practice. The addition of gentamicin is recommended for children with septic shock to ensure adequate treatment of bacteria not susceptible to cefotaxime and ceftriaxone, but is not required for children with sepsis. Vancomycin has been added to ciprofloxacin for children with severe penicillin hypersensitivity to ensure adequate treatment of Gram-positive bacteria.

-- The nitazoxanide drug recommendation for [children with recurrence of or ongoing refractory Clostridium difficile infection](#) has been updated to include specific dosing for children 12 years or older.

-- Separate advice is given for dilution of benzylpenicillin for intramuscular and intravenous administration for [management of suspected meningococcaemia in the community setting](#).

-- The graphic to support shared decision making discussions for patients with acute rhinosinusitis has been updated to clarify that decongestants should not be used for children younger than 6 years.

- Sexual and Reproductive Health guidelines

-- Rhesus antibody testing and anti-D immunoglobulin use is no longer recommended for medical abortion before 10 weeks' gestation based on updated [advice](#) from the National Blood Authority and RANZCOG.

TGA

- [Activated charcoal: supply interruption](#) due to manufacturing issue to Carbosorb X Suspension® anticipated from mid-July. Anticipated return to supply from mid-Sep 2021

- Streamlining proprietary ingredient categories. The TGA no longer allocates proprietary ingredient numbers to certain categories of ingredient mixtures - [link](#)

- **Sydney-based individual fined for alleged unlawful advertising of medicinal [cannabis](#) (cannabidiol oil)**

REPORTS AND PUBLICATIONS – AUSTRALIA

AHHA

- Deeble Issues [Brief 42](#): Reablement interventions for community dwelling people living with dementia

Australian Institute for Health and Welfare (AIHW)

- GEN Aged Care Data - Younger people in residential aged care - [link](#)

- My Hospitals reports and data (updated) for: [Hospital Activity](#) and [Non-admitted patients](#)

- Factsheets ([Infographics](#)) for Alcohol, tobacco & other drugs in Australia annual report.

Chronic Pain Australia

- 2021 National Pain Survey Report - [link](#)

NSW Health

- Recommended Safe Sleep Practices for Babies Guidelines (GL2021_013) - [link](#)

Pharmacy Board of Australia

- Pharmacy Board's registration data report for 1 January to 31 March 2021 - [link](#)

TGA

- TGA international engagement strategy 2021-2025 - [link](#)

- Publication of updated Australian Regulatory [Guidelines](#) for Sunscreens

- Australian prescription medicine decision summaries:

-- [Lemborexant](#) (Dayvigo) - treatment of insomnia, characterised by difficulties with sleep onset and/or sleep maintenance in accordance with latest DSM criteria

-- [Pegvaliase](#) (Palynziq) - treatment of patients with phenylketonuria (PKU) aged ≥ 16 years who have inadequate blood phenylalanine control despite prior management with available treatment options

-- [Fostemsavir trometamol](#) (Rukobia) - in combination with other antiretroviral agents for the treatment of heavily treatment-experienced adults with multidrug-resistant human immunodeficiency virus-1

(HIV-1) infection for whom it is otherwise not possible to construct a suppressive antiviral regimen due to resistance, intolerance or safety considerations

Victorian Institute of Forensic Medicine

- Future Leaders Communiqué Volume 6 Issue 3 July 2021 - [link](#)

REPORTS AND PUBLICATIONS – INTERNATIONAL

Canadian Agency for Drugs and Technologies in Health

- Preventing Stroke in Patients with Atrial Fibrillation: Using the Evidence - [link](#) - [patient info](#)
- Post-Traumatic Stress Disorder: Summary of Evidence of the Clinical Effectiveness of [Treatments](#)
- [In Brief](#): International Policies on the Appropriate Use of Biosimilar Drugs
- Non-Opioid Options for Managing Pain - [link](#)
- Alternatives to Proton Pump Inhibitors - [link](#)
- Opioid Prescribing and Pain Management: Prescription Monitoring Program Overview and the Management of Acute Low Back Pain - [link](#)
- Interventions for Insomnia Disorder - [link](#)
- INR monitoring — friend or foe? - [link](#) - [case](#)
- In Brief: Buprenorphine for Opioid Use Disorders During Pregnancy: A Review - [link](#)

electronic Medicines Compendium (eMC) (UK)

- New products
- [Supemtek](#) (quadrivalent Influenza Vaccine; recombinant, prepared in cell culture) solution for injection in pre-filled syringe - for active immunization for the prevention of influenza disease in adults

European Medicines Agency (EMA)

- CHMP meeting highlights [July 2021](#) - Two new medicines recommended for approval
- Nexviadyme (avalglucosidase alfa) for glycogen storage disease type II (Pompe disease)
- Imatinib Koanaa (imatinib), hybrid medicines for leukaemia and gastrointestinal stromal tumours
- extensions of indication for Deltiba (delamanid), Ultomiris (ravulizumab-cwvz), Volibris (ambrisentan) and Vosevi (sofosbuvir + velpatasvir+ voxilaprevir)

Food and Drug Administration (FDA) USA

- New Drug approvals
- Pembrolizumab for high-risk early-stage triple-negative breast cancer - [link](#)
- Pembrolizumab and lenvatinib for advanced endometrial [carcinoma](#)

General Pharmaceutical Council

- Managing concerns about pharmacy professionals, July 2021 - [link](#)

Health Canada

- Drug and medical device highlights 2020: Helping you maintain and improve your health - [link](#)

NHS Confederation

- The role and functions of CCG medicines optimisation teams - [link](#)

National Institute for Health and Clinical Excellence (NICE) UK

- Nivolumab with ipilimumab for previously treated metastatic colorectal cancer with high microsatellite instability or mismatch repair deficiency [[TA716](#)]
- Clostridioides difficile infection: antimicrobial prescribing [[NG199](#)]
- Final appraisal documents:
 - Pemigatinib for treating relapsed or refractory advanced cholangiocarcinoma with FGFR2 alterations [[ID3740](#)]

The King's Fund (UK)

- Understanding integration: how to listen to and learn from people and communities - [link](#)

MEDICATION SAFETY

All Wales Medicines Strategy Group

- Material to support appropriate prescribing of hypnotics and anxiolytics across Wales - [link](#)

Australian and New Zealand College of Anaesthetists & Faculty of Pain Medicine

- Safety alert: cephazolin vials with red cap - Clinical incident whereby vecuronium was mistakenly administered to a patient instead of cephazolin - [link](#)

electronic Medicines Compendium (eMC) (UK)

- Revised SPCs
- Belkya ([deoxycholic acid](#)) - warnings on use of inappropriate injection techniques such as superficial injections, injections into blood vessels and injections without the skin marking grid, which may result in skin ulceration and necrosis as well as scarring (uncommon frequency)
- Benlysta ([belimumab](#)) use in combination with background immunosuppressive therapies, for adults with active lupus nephritis – with dosing, administration and safety information
- [CoAprovel](#) (hydrochlorothiazide and irbesartan) - interaction with repaglinide due to potential inhibition of OATP1B1 by irbesartan which may require dose adjustment of repaglinide. Adverse effects of hypoglycaemia and anaemia added with unknown frequencies
- Cyramza ([ramucirumab](#)) - Hypothyroidism added as a common adverse drug reaction
- [Synphase](#) (norethisterone/ethinylestradiol) - ALT elevations observed in women on glecaprevir/pibrentasvir, so combined use is now contraindicated

EMA

- CHMP endorses review finding no link between viral vector in Zynteglo and blood cancer - [link](#)

Food and Drug Administration (FDA) USA

- FDA request removal of contraindication against using statins during pregnancy - [link](#) - [podcast](#)

Institute for Safe Medication Practices (ISMP) USA

- ISMP Calls for Manufacturers to Stop Printing Medication Barcodes across Round [Surfaces](#)
- Acute Care Medication Safety Alert! [July 29, 2021](#)
- Safety Committees Need to Proactively Address the Risk of Accidental Cerebral Injection of Intravenous (IV) Drugs - [link](#)
- Inadvertent intra-arterial promethazine injury
- Manufacture of legacy feeding tubes ended

SPS

- Drug Monitoring - Summarised recommendations and guidance - [link](#)

TGA

- Methylphenidate - use in pregnancy. Pregnancy category has now been changed from category B3 to D; PI includes updated safety information relating to birth defects and malformations - [link](#)
- Ocrelizumab and late onset neutropenia - [link](#)
- Nifedipine and pulmonary oedema when used in pregnancy as a tocolytic agent - [link](#)
- Parenteral iron products PI being updated to include foetal bradycardia/Kounis syndrome - [link](#)

PAPERS OF INTEREST

Academic Emergency Medicine

- Guidelines for reasonable and appropriate care in the emergency department (GRACE): Recurrent, low-risk chest pain in the emergency department - [link](#)

American Journal of Cardiology

- Long-Term Effects of an Intensive Prevention Program after Acute Myocardial Infarction - [link](#)

American Journal of Health-System Pharmacy (AJHP)

- Decision-making framework for an acute care clinical pharmacist productivity model: [Part 1](#)
- Formation and validation of an acute care clinical pharmacist productivity model: [Part 2](#)

- [Letter](#): Validity of 2020 vancomycin consensus recommendations and further guidance for practical application
- Intravenous fosfomycin as salvage therapy for osteomyelitis caused by multidrug-resistant *Pseudomonas aeruginosa* - [link](#)
- New perspectives on propofol allergy - [link](#)
- Effect of rapid methicillin-resistant *Staphylococcus aureus* nasal polymerase chain reaction screening on vancomycin use in the intensive care unit - [link](#)
- Kindling the fire: The power of mentorship - [link](#)

Annals of Internal Medicine

- Postdiagnosis Smoking Cessation and Reduced Risk for Lung Cancer Progression and Mortality. A Prospective Cohort Study - [link](#) - [editorial](#) – [summary for patients](#)

British Journal of Clinical Pharmacology

- A placebo-controlled investigation of the analgesic effects, abuse liability, safety and tolerability of a range of oral cannabidiol doses in healthy humans - [link](#)
- Physiologically based pharmacokinetic modelling of treprostinil after intravenous injection and extended-release oral tablet administration in healthy volunteers: An extrapolation to other patient populations including patients with hepatic impairment - [link](#)
- Optimising Alkalinisation and its effect on QRS Narrowing in Tricyclic Antidepressant Poisoning - [link](#)
- Concentration-QT modeling shows no evidence of clinically significant QT interval prolongation with capivasertib at expected therapeutic concentrations - [link](#)
- The Recanalization after Thrombolysis as Surrogate for Clinical Outcomes in Patients with ST-segment Elevation Acute Myocardial Infarction: A Systematic Review and Meta-Regression Analysis of Data from Randomized Controlled Trials - [link](#)
- The pharmacokinetic properties of artemether and lumefantrine in Malaysian patients with *Plasmodium knowlesi* malaria - [link](#)

British Medical Journal (BMJ)

- Real time remote symptom monitoring during chemotherapy for cancer: European multicentre randomised controlled trial (eSMART) - [link](#)

BMJ Open

- Sedation strategy and ICU delirium: a multicentre, population-based propensity score-matched cohort study - [link](#)

Canadian Journal of Health Technologies

- Point-of-Care Testing and N-Acetylcysteine for Acute Acetaminophen Overdose - [link](#)
- Vitamin D Supplementation for the Prevention and/or Treatment of Cardiovascular Disease, Cancer, and Other Conditions in Residents of Long-Term Care Facilities - [link](#)

Clinical Rehabilitation

- A novel model of home-based, patient-tailored and mobile application-guided cardiac telerehabilitation in patients with atrial fibrillation: A randomised controlled [trial](#)

Cochrane

- Medical adjuvant treatment to increase patency of arteriovenous fistulae and grafts - [link](#)
- Interventions for the management of abdominal pain in ulcerative colitis - [link](#)

Diabetes Care

- Sodium–Glucose Cotransporter 2 Inhibitors and Risk of Retinal Vein Occlusion Among Patients With Type 2 Diabetes: A Propensity Score–Matched Cohort Study - [link](#)
- The Effect of Dapagliflozin on Albuminuria in DECLARE-TIMI 58 - [link](#)

Drug and Therapeutics Bulletin

- Cancer risk from nitrosamine-contaminated valsartan - [link](#)
- Aducanumab for Alzheimer’s disease – too many unanswered questions - [link](#)

European Heart Journal

- Oral fluoroquinolones and risk of aortic or mitral regurgitation: a nationwide nested case-control [study](#)

European Journal of Epidemiology

- Prenatal and postnatal exposure to acetaminophen in relation to autism spectrum and attention-deficit and hyperactivity symptoms in childhood: Meta-analysis in six European population-based cohorts - [link](#)
- Medicine packaging pictograms in the context of the electronic product information (ePI) proposal

European Journal of Hospital Pharmacy

- Analysis of the clinical characteristics of dabigatran-induced oesophagitis - [link](#)

JAMA

- [Research letter](#): Use of high-risk medications among lonely older adults: Results from a nationally representative sample
- Effect of a Hospital and Post-discharge Quality Improvement Intervention on Clinical Outcomes and Quality of Care for Patients With Heart Failure With Reduced Ejection Fraction. The CONNECT-HF Randomized Clinical Trial - [link](#)
- Prioritizing Dissemination and Implementation Science in Cardiometabolic Medicine
- CONNECTing the Dots – [editorial](#)
- Effect of 7 vs 14 Days of Antibiotic Therapy on Resolution of Symptoms Among Afebrile Men With Urinary Tract Infection. A Randomized Clinical Trial - [link](#); [editorial](#)
- [Research letter](#): Effect of Systemic Hydrocortisone Initiated 7 to 14 Days after Birth in Ventilated Preterm Infants on Mortality and Neurodevelopment at 2 Years' Corrected Age-Follow-up of a Randomized Clinical Trial
- Anabolic Therapy for Osteoporosis - [link](#)
- Lipoprotein(a) and Cardiovascular Diseases - [link](#)
- Does This Adult Patient Have Hypertension? The Rational Clinical Examination Systematic [Review](#)
- [Patient page](#): Cardiac Rehabilitation
- [Clinical Guidelines Synopsis](#): Screening for Hepatitis C Virus

JAMA Dermatology

- Association Between Biologics Use and Risk of Serious Infection in Patients with Psoriasis - [link](#)

JAMA Network Open

- Cost-effectiveness of Dapagliflozin for the Treatment of Heart Failure with Reduced Ejection Fraction – [link](#)
- Effect of Bevacizumab in Combination with Standard Oxaliplatin-Based Regimens in Patients With Metastatic Colorectal Cancer. A Randomized Clinical Trial - [link](#)

JAMA Neurology

- Seizure Prophylaxis After Spontaneous Intracerebral Hemorrhage - [link](#)

JAMA Oncology

- Efficacy of Carboplatin and Isotretinoin in Children with High-risk Medulloblastoma - [link](#)

Journal of Clinical Oncology

- Comparison Between 5-Azacytidine Treatment and Allogeneic Stem-Cell Transplantation in Elderly Patients with Advanced MDS According to Donor Availability (VidazaAllo Study) - [link](#)
- Salivary Gland Hypofunction and/or Xerostomia Induced by Nonsurgical Cancer Therapies: ISOO/MASCC/ASCO Guideline - [link](#)

Journal of Palliative Medicine

- Intravenous Ketorolac Infusion for Intractable Pleuritic Pain Secondary to Metastatic Epithelioid Hemangioendothelioma - [link](#)

Journal of Patient Safety

- Medication Safety in Mental Health Hospitals: A Mixed-Methods Analysis of Incidents Reported to the National Reporting and Learning System - [link](#)

Journal of Pharmacy Practice and Research (JPPR)

- Impact of clinical pharmacist-led antibiotic stewardship program on clinical outcomes in a tertiary referral hospital - [link](#)
- Pharmacist intervention lowers HgbA1c in diabetic patients regardless of HIV status - [link](#)
- Awareness of Beers criteria and potentially inappropriate medications among physicians and pharmacists in Palestine - [link](#)

Lancet

- Community-acquired bacterial meningitis - [link](#)
- Central venous access devices for the delivery of systemic anticancer therapy (CAVA): a randomised controlled trial - [link](#)

Lancet Infectious Diseases

- Effectiveness of a tailored intervention to reduce antibiotics for urinary tract infections in nursing home residents: a cluster, randomised controlled trial - [link](#)

Lancet Microbe

- Identification of antibiotic pairs that evade concurrent resistance via a retrospective analysis of antimicrobial susceptibility test results - [link](#)

Lancet Oncology

- Survival outcomes in older men with non-metastatic castration-resistant prostate cancer treated with androgen receptor inhibitors: a US Food and Drug Administration pooled analysis of patient-level data from three randomised trials - [link](#)
- Pulse therapy with vincristine and dexamethasone for childhood acute lymphoblastic leukaemia (CCCG-ALL-2015): an open-label, multicentre, randomised, phase 3, non-inferiority trial - [link](#)

Molecular Diversity Preservation International (MDPI) – Pharmacy Journal

- Impact of Oncology Pharmacists on the Knowledge, Attitude, and Practices of Clinicians to Enhance Patient Engagement of Self-Administered Oral Oncolytics - [link](#)

Medical Journal of Australia

- Drug-induced liver injury in Australia, 2009–2020: the increasing proportion of non-paracetamol cases linked with herbal and dietary supplements - [link](#)

New England Journal of Medicine

- Trial of Pimavanserin in Dementia-Related Psychosis - [link](#)
- [Clinical Decisions](#): Anticoagulation after Ablation for Atrial Fibrillation
- [Review Article](#): Depression in Adolescents
- [Editorial](#): Extended Aromatase Inhibitors in Hormone-Receptor-Positive Breast Cancer

Pharmaceutical Journal

- Social prescribing in community pharmacy — a systematic review and thematic synthesis - [link](#)
- Medication maths: how to solve pharmacy calculations — concentrations, dilutions and health economics (video) - [link](#)

TAG Mail – 22 July 2021

COVID-19 RESOURCES & ARTICLES OF INTEREST

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

AUSTRALIAN

Australasian Society of Clinical Immunology and Allergy (ASCI)

- COVID-19 [Vaccination Guide for Clinical Immunology/Allergy Specialists](#) (19/07/21) - includes COVID-19 vaccine skin testing and challenge protocols

Australian Government Department of Health

- Epidemiology [Report 45](#): Reporting period ending 4 July 2021
- Minimising the risk of infectious respiratory disease transmission in the context of COVID-19: the hierarchy of controls - [link](#)

- Primary care approach to thrombosis with thrombocytopenia syndrome after COVID-19 AstraZeneca vaccine - [link](#)

National COVID-19 Clinical Evidence Taskforce

- [Update](#): Australian guidelines for the clinical care of people with COVID-19 (Version 41.1) includes the identification of six new studies on disease-modifying treatments.
- [Explainer](#): What happens if I test positive to COVID-19?

NSW Health

- COVID-19 Weekly Surveillance in NSW - Epi week 27, ending 10 July 2021 [19 July 2021] - [link](#)

NSW Healthshare

- Access to [Tocilizumab](#) (Actemra®) injection for NSW Health Facilities for COVID-19 patients Only

NSW Health Critical Intelligence Unit

- COVID-19 [Monitor](#) 15 Jul 2021: COVID-19 vaccines, cases, hospitalisations, deaths and variants
- Risk Monitoring [Dashboard](#) 21 July 2021
- Living Evidence:
-- COVID-19 vaccines. Last updated 19 July 2021 - [link](#)
-- SARS-CoV-2 variants. Last updated 19 July 2021 - [link](#)
-- COVID-19 transmission. Last updated 19 July 2021 - [link](#)
-- Post acute sequelae of COVID-19. Last updated 19 July 2021 [link](#)
-- Surgery and COVID-19. Last updated 12 July 2021- [link](#)

NPS MedicineWise

- COVID-19 vaccination side effects: how to manage and when to report them - [link](#)
- Influenza vaccines and COVID-19. Updated 15 July 2021 - [link](#)
- [Episode 31](#): Medicines safety, health literacy and the National Medicines Policy in a pandemic world

TGA

- COVID-19 vaccine weekly safety report - [15-07-2021](#)
- Shortages of tocilizumab (Actemra): TGA is closely monitoring the supply to ensure distribution is prioritised to those hospitals with COVID-19 patients - [link](#)

INTERNATIONAL

WHO

- Clinical Care: Clinical features and prognostic factors of COVID-19 in people living with HIV hospitalized with suspected or confirmed SARS-CoV-2 infection - [link](#)
- Science in 5: Episode [#46](#) - Diabetes & COVID-19
- WHO SAGE roadmap for prioritizing uses of COVID-19 vaccines in the context of limited supply: an approach to inform planning and subsequent recommendations based on epidemiological setting and vaccine supply scenarios, first issued 20 October 2020, latest update 16 July 2021 - [link](#)
- Guidance for clinical case management of thrombosis with thrombocytopenia syndrome (TTS) following vaccination to prevent coronavirus disease (COVID-19): interim guidance, 19 July 2021 - [link](#)
- Guidance on utilization of COVID-19 vaccines before the date of expiry - [link](#)
- Action required to address the impacts of the COVID-19 pandemic on mental health and service delivery systems in the WHO European Region: recommendations from the European Technical Advisory Group on the mental health impacts of COVID-19, 30 June 2021 - [link](#)
- Updated WHO SAGE Roadmap for prioritizing uses of COVID-19 vaccines in the context of limited supply - [link](#)
- WHO warns that HIV infection increases risk of severe and critical COVID-19 - [link](#)
- COVID-19 vaccine tracker and landscape - [link](#)
- Weekly operational update on COVID-19 - 20 July 2021 - [link](#)
- Weekly epidemiological update on COVID-19 - 20 July 2021 - [link](#)

Europe

EMA

- EMA starts evaluating the use of Kineret in adult COVID-19 patients at increased risk of severe respiratory failure - [link](#)
- News: EMA starts rolling review of COVID-19 vaccine Vidprevtyn (protein based) - [link](#)

- COVID-19 vaccine safety updates for: [Spikevax](#); [COVID-19 Vaccine Janssen](#); [Vaxzevria](#); [Comirnaty](#)
- Direct Healthcare Professional Communication:
 - COVID-19 Vaccine Janssen: Contraindication in individuals with previous capillary leak syndrome and update on thrombosis with thrombocytopenia syndrome - [link](#)
 - COVID-19 mRNA Vaccines Comirnaty and Spikevax: risk of myocarditis and pericarditis - [link](#)

NZ

Medsafe

- Myocarditis and pericarditis - rare adverse reactions to [Comirnaty](#) (Pfizer COVID-19 vaccine)

UK

-MHRA

- Regulatory approval of Vaxzevria (previously COVID-19 Vaccine AstraZeneca) updated for to include the addition of capillary leak syndrome as a contraindication - [link](#)

-Specialist Pharmacy Services NHS UK

- [Revised SPC](#): COVID-19 Vaccine (Temporary Authorisation – Review Product Information tab before reading) (AstraZeneca)

USA

-American Society of Health-System Pharmacists (ASHP)

- ASHP discussion forum (Sign up for free) recent topics of discussion include: ivermectin Updates (including two articles for discussion [link](#); [link](#))

-FDA

- The Janssen COVID-19 Vaccine [Fact Sheet for Healthcare Providers](#) Administering Vaccine (Vaccination Providers) has been revised to include a warning about GBS and the [Fact Sheet for Recipients and Caregivers](#) has been revised to include information about GBS.

JOURNAL ARTICLES

ADC Fetal & Neonatal edition

- [Letter](#): Neonatal outcome following maternal infection with SARS-CoV-2 in Germany: COVID-19-Related Obstetric and Neonatal Outcome Study (CRONOS)

Annals of Internal Medicine

- [Letter](#): Sickle Cell Disorders and Severe COVID-19 Outcomes: A Cohort Study
- SARS-CoV-2 Vaccine Effectiveness in a High-Risk National Population in a Real-World Setting - [link](#)

BMC Infectious Diseases

- High risk groups for severe COVID-19 in a whole of population cohort in Australia - [link](#)

BMJ

- Smartphone use in virtual student teaching and virtual ward rounds during and after the COVID-19 pandemic? - [link](#)
- Risks of covid-19 hospital admission and death for people with learning disability: population based cohort study using the OpenSAFELY platform - [link](#) and associated [editorial](#)
- [News](#): Covid-19: Vulnerable children aged 12-15 will be offered Pfizer vaccine, UK announces
- [Correspondence](#): Persistent viral infectivity after 27 days from COVID-19 symptoms onset

Circulation

- Myocarditis with COVID-19 mRNA Vaccines - [link](#)

Cochrane

- [Special collection](#): Coronavirus (COVID-19): infection control and prevention measures

Communications Medicine

- High coverage COVID-19 mRNA vaccination rapidly controls SARS-CoV-2 transmission in long-term care facilities - [link](#)

Diabetes Care

- COVID-19 and Type 1 Diabetes: Addressing Concerns and Maintaining Control - [link](#)

Diabetes & Metabolic Syndrome: Clinical Research & Reviews

- Vitamin D supplementation and COVID-19 treatment: A systematic review and [meta-analysis](#)

EClinicalMedicine

- Safety and immunogenicity of an inactivated SARS-CoV-2 vaccine in healthy adults aged 18 years or older: A randomized, double-blind, placebo-controlled, phase 1/2 trial - [link](#)

Eurosurveillance

- Rapid Communication: Efficacy and effectiveness of COVID-19 vaccines against SARS-CoV-2 infection: interim results of a living systematic review, 1 January to 14 May 2021 - [link](#)

International Journal of Infectious Diseases

- Tocilizumab and Systemic Corticosteroids in the Management of COVID-19 Patients: A Systematic Review and [Meta-Analysis](#)

International Immunopharmacology

- Umifenovir in hospitalized moderate to severe COVID-19 patients: A [randomized clinical trial](#)

JAMA

- Effect of Oral Azithromycin vs Placebo on COVID-19 Symptoms in Outpatients With SARS-CoV-2 Infection. A [Randomized Clinical Trial](#)
- Effect of Canakinumab vs Placebo on Survival Without Invasive Mechanical Ventilation in Patients Hospitalized With Severe COVID-19: A [Randomized Clinical Trial](#)
- Antibiotic Use in UK's COVID-19 Patients Often Unnecessary - [link](#)
- [Viewpoint](#): Ethical Considerations of Offering Benefits to COVID-19 Vaccine Recipients
- [Research letter](#): Exploring the Gap Between Excess Mortality and COVID-19 Deaths in 67 Countries
- [Perspective](#): Study Suggests Lasting Immunity After COVID-19, With a Big Boost from Vaccination
- Special communications: Guidelines for Reporting Trial Protocols and Completed Trials Modified Due to the COVID-19 Pandemic and Other Extenuating Circumstances CONSERVE 2021 [Statement](#)

Journal of Neurology, Neurosurgery & Psychiatry

- [Letter](#): Bilateral facial weakness with paraesthesia variant of Guillain-Barré syndrome following Vaxzevria COVID-19 vaccine

Journal of the Royal Society Interface

- Integrated vaccination and non-pharmaceutical interventions based strategies in Ontario, Canada, as a case study: a mathematical modelling study - [link](#)

Lancet

- Association of Remdesivir Treatment With Survival and Length of Hospital Stay Among US Veterans Hospitalized With COVID-19 - [link](#) and associated [commentary](#)
- [Commentary](#): Protecting the vulnerable: SARS-CoV-2 vaccination in immunosuppressed patients with interstitial lung disease
- Characterisation of in-hospital complications associated with COVID-19 using the ISARIC WHO Clinical Characterisation Protocol UK: a prospective, multicentre [cohort study](#)
- Mental disorders and risk of COVID-19-related mortality, hospitalisation, and intensive care unit admission: a systematic review and [meta-analysis](#)
- [Letter](#): Spike-antibody waning after second dose of BNT162b2 or ChAdOx1
- Neurological manifestations of SARS-CoV-2 infection in hospitalised children and adolescents in the UK: a prospective national [cohort study](#)

Med J Aust

- [Perspective](#): Australia needs a prioritised national research strategy for clinical trials in a pandemic: lessons learned from COVID-19
- [Perspective](#): The landscape of COVID-19 trials in Australia

medRxiv

- Clinical outcomes in vaccinated individuals hospitalized with Delta variant of SARS-CoV-2 - [link](#)

- The health impacts of a 4-month long community-wide COVID-19 lockdown: Findings from a prospective longitudinal study in the state of Victoria, Australia - [link](#)

Molecular Psychiatry

- [Correspondence](#): Can antidepressants unlock prescription of rimonabant in fight against COVID-19?

Nature

- [Coronapod](#): does England's COVID strategy risk breeding deadly variants? A podcast.

- [Outlook](#): How pandemics strengthen links between viruses and autoimmunity

- News: Should children get COVID vaccines? What the science says - [link](#)

Nature Medicine

- [Brief Communication](#): Immune responses against SARS-CoV-2 variants after heterologous and homologous ChAdOx1 nCoV-19/BNT162b2 vaccination

New England Journal of Medicine (NEJM)

- Effectiveness of Covid-19 Vaccines against the B.1.617.2 (Delta) Variant - [link](#)

- Safety, Immunogenicity, and Efficacy of the BNT162b2 Covid-19 Vaccine in Adolescents - [link](#)

- Effectiveness of an Inactivated SARS-CoV-2 Vaccine in Chile - [link](#)

- Prevention and Attenuation of Covid-19 with the BNT162b2 and mRNA-1273 Vaccines - [link](#)

- [Perspective](#): Averting Future Vaccine Injustice - [podcast](#)

- [Perspective](#): SARS-CoV-2 Human Challenge Studies — Establishing the Model during an Evolving Pandemic

- [Correspondence](#): Household Transmission of SARS-CoV-2 from Children and Adolescents

- [Editorial](#): Vaccine Effectiveness Studies in the Field

Pharmaceutical Journal

- Everything you need to know about the COVID-19 therapy trials - [link](#)

PLOS ONE

- The impact of vaccination to control COVID-19 burden in the United States: A simulation modeling approach - [link](#)

- Relation of prior statin and anti-hypertensive use to severity of disease among patients hospitalized with COVID-19: Findings from the American Heart Association's COVID-19 Cardiovascular Disease Registry

Scientific Reports

- Frequency and phenotype of headache in covid-19: a study of 2194 patients - [link](#)

- Longitudinal monitoring of laboratory markers characterizes hospitalized and ambulatory COVID-19 patients - [link](#)

REPORTS AND PUBLICATIONS – AUSTRALIA

Australian Institute for Health and Welfare (AIHW)

- Acute rheumatic fever and rheumatic heart disease in Australia, 2015–2019 - [link](#)

- Alcohol and other drug treatment services in Australia [annual report](#)

- Non-admitted patient care 2019-20 – [update](#)

- Mental health services in Australia - [link](#)

- Suicide & self-harm monitoring - [link](#)

-- Data: Ambulance attendances: suicidal and self-harm behaviours - [link](#)

-- Data: International estimates of death by intentional self-harm - [link](#)

NHMRC Impact Case Studies

- Indigenous children's oral health - [link](#)

NSW Health

- Rural Paediatric Emergency Clinical Guidelines Third Edition ([GL2021_011](#))

- Priority access to public opioid treatment program services for patients released from Custody - [link](#)

PBS

- PBAC Public Summary Documents (first time rejections and deferrals) March 2021 meeting - [link](#)

TGA

- Medical devices reforms: Reclassification of certain medical devices. Guidance is now available for some of the upcoming reclassification of certain medical devices - [link](#)
- Prescription medicines: [applications under evaluation](#) (updated 14/7/21)
- Inclusions of [new biologicals](#), 2021: Faecal Microbiota Transplant (FMT), Revita (Foetal membranes), Kymriah (T Cells).
- Registration of [new chemical entities](#) in Australia June 2021:
 - COVID-19 Vaccine Janssen, Chlormethine Hydrochloride (Ledaga), Eptinezumab (Vyepiti), Risdiplam (Evrysdi), Deutetrabenazine (Austedo)
- Registration of [new generic medicines and biosimilar](#) medicines:
 - lenalidomide; dasatinib; dopamine injection; methylphenidate

REPORTS AND PUBLICATIONS – INTERNATIONAL

Canadian Agency for Drugs and Technologies in Health updates

- Direct Observational Therapy for the Treatment of Tuberculosis: A Review of Clinical Evidence and Guidelines - [link](#)

electronic Medicines Compendium (eMC) (UK)

- New products
 - Byfavo ([remimazolam](#))- ultra-short acting benzodiazepine sedative, licensed for procedural sedation in adults
 - Jayempi ([azathioprine](#)) 10mg/ml oral suspension - first licensed liquid formulation of azathioprine

Food and Drug Administration (FDA) USA

- New Drug approvals
 - FDA approves new use of transplant drug based on real-world evidence, Prograf ([tacrolimus](#))
 - FDA approves [belumosudil](#) ([Rezurock](#)) for chronic graft-versus-host disease
 - [fexinidazole](#) to treat human African trypanosomiasis caused by Trypanosoma brucei gambiense
 - odevixibat ([Bylvay](#)) to treat pruritis

Joint Commission

- [Quick Safety advisory](#): Understanding needs of diverse populations to address health & well-being

NHS England

- [Improving](#) communication between health care professionals and patients in the NHS in England

National Institute for Health and Clinical Excellence (NICE) UK

- Ixekizumab for treating axial spondyloarthritis [[TA718](#)]
- Secukinumab for treating non-radiographic axial spondyloarthritis [[TA719](#)]
- Final appraisal documents:
 - Abiraterone for treating newly diagnosed high-risk hormone-sensitive metastatic prostate ca [[ID945](#)]
 - Chlormethine gel for treating mycosis fungoides-type cutaneous T-cell lymphoma [[ID1589](#)]

Specialist Pharmacy Services NHS UK

- NHS Aseptic Services Accreditation Group (ASAG) Competency Frameworks and guidance - [link](#)
- National Homecare Medicines Committee (NHMC) Prescription Management Process - [link](#)

World Health Organisation (WHO)

- Publishes new Consolidated HIV guidelines for prevention, treatment, service delivery & [monitoring](#)
- Global technical strategy for malaria 2016-2030, 2021 update - [link](#)
- [Position Statement](#): Innovative Clinical Trial Designs for Development of New TB Treatments
- New findings from ODYSSEY trial confirm superiority of dolutegravir-based ART in young [children](#)

MEDICATION SAFETY

Australian and New Zealand College of Anaesthetists (ANZCA) & Faculty of Pain Medicine

- Safety alert: cephazolin vials with red cap - [link](#)

electronic Medicines Compendium (eMC) (UK)

- Revised SPCs
- Clorogen ([chloramphenicol](#)) Eye Drops 0.5% w/v - contraindication to use in children less than 2 years of age due to concerns about boron and future impairment of fertility has been removed.
- [Covonia](#) Original Bronchial Balsam Syrup (dextromethorphan and menthol) - prolonged use may lead to drug dependence (addiction), even at therapeutic doses. Risks increased in individuals with current or past history of substance misuse disorder or mental health disorder.
- Erleada ([apalutamide](#)) - ischaemic cerebrovascular disorders reported in SPARTAN and TITAN studies; alopecia added as a common adverse effect.
- Jyseleca ([filgotinib](#) maleate) - update to the wording on the inhibition of P-gp and BCRP by the primary metabolite of filgotinib (GS-829845) based upon results from an in vitro study (AD-417-2028).
- [Medabon](#) (Mifepristone/Misoprostol) updated to include a warning on severe cutaneous adverse reactions, and ADR acute generalised exanthematous pustulosis added (unknown frequency).
- Sandostatin ([octreotide](#)) – reports of atrioventricular blocks in patients receiving high doses of continuous infusion (100 mcg/hour) and bolus doses (50mcg bolus followed by 50 mcg/hour continuous infusion). Maximum dose of 50 mcg/hour should not be exceeded.

Food and Drug Administration (FDA) USA

- FDA requests removal of strongest warning against using cholesterol-lowering statins during pregnancy; still advises most pregnant patients should stop taking statins - [link](#)
- Information about Nitrosamine Impurities in Medications - [link](#)
- FDA Updates and Press Announcements on Nitrosamine in [Varenicline](#) (Chantix)

Medicines and Healthcare products Regulatory Agency (MHRA) UK

- Inappropriate anticoagulation of patients with a mechanical heart valve - [link](#)

SPS

- Understanding safety risks with betamethasone soluble tablets used as mouthwash - [link](#)
- Medication Restrictions for Patients Having CAR-T Cell Therapy V3 - [link](#)
- [Switching](#) between liquid and tablet/capsule formulations – Which medicines require extra care?

PAPERS OF INTEREST

American Journal of Health-System Pharmacy (AJHP)

- Pharmacist intervention on prescribing errors: Use of a standardized approach in the inpatient setting - [link](#)
- Evaluation of discharge prescribing after rescheduling of gabapentin as a controlled substance - [link](#)
- Impact of smart pump-electronic health record interoperability on patient safety and finances at a community hospital - [link](#)
- Healthcare system conversion to a biosimilar: Trials and tribulations - [link](#)

Annals of Internal Medicine

- Frailty and Clinical Outcomes of Direct Oral Anticoagulants Versus Warfarin in Older Adults with Atrial Fibrillation. A Cohort Study - [link](#)

British Journal of Clinical Pharmacology

- A population physiologically-based pharmacokinetic model to characterize antibody disposition in pediatrics and evaluation of the model using infliximab - [link](#)
- Proapoptotic and immunomodulatory effects of SYK inhibitor entospletinib in combination with obinutuzumab in patients with chronic lymphocytic leukaemia - [link](#)
- Ethical aspects of facilitating the recruitment of people with dementia for clinical trials: A call for further debate - [link](#)
- Body weight gain in clozapine-treated patients: is norclozapine the culprit? - [link](#)

- Factors affecting physician implementation of hospital pharmacists' medication appropriateness recommendations in older adults - [link](#)
- Was it necessary to change therapeutic range of topiramate? - [link](#)
- Path towards efficient paediatric formulation development based on partnering with clinical pharmacologists and clinicians, a c4c expert group White paper - [link](#)

BMC Health Serv Res

- Use of prescribing safety quality improvement reports in UK general practices: a qualitative assessment - [link](#)

British Medical Journal (BMJ)

- Associations between statins and adverse events in primary prevention of cardiovascular disease: systematic review with pairwise, network, and dose-response meta-analyses - [link](#)
- Association of ultra-processed food intake with risk of inflammatory bowel disease: prospective cohort study - [link](#)
- Glioblastoma: clinical presentation, diagnosis, and management - [link](#)

BMJ Open

- Determinants of drug prices: a systematic review of comparison studies - [link](#)
- Local anaesthetics combined with vasoconstrictors in patients with cardiovascular disease undergoing dental procedures: systematic review and meta-analysis - [link](#)

BMJ Quality and Safety

- Editorial: Antibiotic overuse: managing uncertainty and mitigating against overtreatment - [link](#)
- Barcode medication administration technology use in hospital practice: a mixed-methods observational study of policy deviations - [link](#)
- Editorial: Measuring overuse: a deceptively complicated endeavour - [link](#)

Canadian Journal of Health Technologies

- Palonosetron for Patients Undergoing High or Moderate Emetogenic Chemotherapy - [link](#)

Cochrane

- Intermittent preventive treatment for malaria in infants - [link](#)

European Heart Journal

- Predictors, time course, and outcomes of persistence patterns in oral anticoagulation for non-valvular atrial fibrillation: a Dutch Nationwide Cohort Study - [link](#)
- Antithrombotic therapies in aortic and peripheral arterial diseases in 2021: a consensus document from the ESC working group on aorta and peripheral vascular diseases, the ESC working group on thrombosis, and the ESC working group on cardiovascular pharmacotherapy - [link](#)

European Journal of Hospital Pharmacy

- Expanding the role of pharmacy technicians and foundation rotational pharmacists in delivering patient-centred care at a mental health trust: development of a Medicines Optimisation Intervention Track Tool - [link](#)
- Pilot study of a European oncology regimen reference library and matching algorithm - [link](#)
- Detection of subclinical nephrotoxicity induced by aminoglycosides in critically ill elderly patients using trough levels and urinary neutrophil gelatinase-associated lipocalin - [link](#)
- Comparison of area under the curve for vancomycin from one- and two-compartment models using sparse data - [link](#)
- Potential therapeutic effects of different mouthwashes for alleviation and treatment of oral complications of 5-fluorouracil-based chemotherapy in patients with colon cancer - [link](#)
- Stability of pemetrexed disodium in sodium chloride 0.9% w/v intravenous Viaflo infusion bags - [link](#)

Health Expectations

- How do health services engage culturally and linguistically diverse consumers? An analysis of consumer engagement frameworks in Australia - [link](#)

Heart

- Management of ventricular tachycardia storm - [link](#)

- Aspirin versus P2Y12 inhibitors with anticoagulation therapy for atrial fibrillation - [link](#)
- Heart failure medication dosage and survival in women and men seen at outpatient clinics - [link](#)
- Management of premature ventricular complexes - [link](#)

Implementation Science Communications

- Implementation strategies in the context of medication reconciliation: a qualitative study – [link](#)

International Journal of Clinical Pharmacy

- Management of drug-disease interactions: a best practice from the Netherlands - [link](#)

International Journal for Quality in Health Care

- What Makes a Good Quality Indicator Set? A Systematic Review of Criteria - [link](#)
- Quality Gap in Venous Thromboembolism Prophylaxis Practices in Inpatients: Assessment of Prophylaxis Practices in a University Hospital - [link](#)

JAMA

- Diagnosis and Treatment of Alcohol-Associated Liver Disease. A Review - [link](#)
- Effect of Oral Ranitidine on Urinary Excretion of N-Nitrosodimethylamine (NDMA) A [Randomized Clinical Trial](#); [editorial](#)
- Metoclopramide Nasal Spray (Gimoti) for Diabetic Gastroparesis - [Summary](#)
- Clinical [update](#): Novel Lipid-Lowering Therapies to Reduce Cardiovascular Risk

JAMA Cardiology

- Effect of Paroxetine-Mediated G-Protein Receptor Kinase 2 Inhibition vs Placebo in Patients With Anterior Myocardial Infarction. A Randomized Clinical Trial - [link](#)
- Assessment of Coronary Artery Calcium Scoring to Guide Statin Therapy Allocation According to Risk-Enhancing Factors. The Multi-Ethnic Study of Atherosclerosis - [link](#)

JAMA Internal Medicine

- Coffee Consumption and Incident Tachyarrhythmias: Reported Behavior, Mendelian Randomization, and Their Interactions - [link](#) - [commentary](#)

JAMA Network Open

- Association Between Intravenous Magnesium Therapy in the Emergency Department and Subsequent Hospitalization Among Pediatric Patients with Refractory Acute Asthma Secondary Analysis of a Randomized Clinical Trial - [link](#)

JAMA Oncology

- Effect of Celecoxib vs Placebo as Adjuvant Therapy on Disease-Free Survival Among Patients With Breast Cancer - The REACT Randomized Clinical Trial - [link](#)
- Nivolumab Plus Ipilimumab vs Nivolumab for Previously Treated Patients With Stage IV Squamous Cell Lung Cancer - The Lung-MAP S1400I Phase 3 Randomized Clinical Trial - [link](#)
- [Editorial](#): Anti-inflammatory Agents for Breast Cancer Case Closed or Is the Jury Still Out?

JAMIA (Journal of the American Medical Informatics Association)

- Impact of implementing electronic prior authorization on medication filling in an electronic health record system in a large healthcare system - [link](#)

Journal of Pharmacy Practice and Research (JPPR)

- Safe prescribing in the digital age – evaluation of a pharmacist-led prescribing program for intern medical officers - [link](#)
- Formulation & stability evaluation of an extemporaneously prepared [baclofen](#) suspension (1 mg/mL)
- AAA stewardship: managing high-risk medications with dedicated antimicrobial, anticoagulation and analgesic stewardship programs - [link](#)
- Corticosteroid-associated hypothalamic–pituitary–adrenal axis suppression in brain tumours: a focus on dosing and tapering - [link](#)
- Questionnaire survey to identify meal habits which influence adherence to oral 5-aminosalicylic acid regimens in patients with ulcerative colitis - [link](#)

Lancet

- [Seminar](#): Lung cancer - focus on targeted therapies and immune checkpoint inhibitors

Molecular Diversity Preservation International (MDPI) – Pharmacy Journal

- Effectiveness and Feasibility of Pharmacist-Driven Penicillin Allergy De-Labeling Pilot Program without Skin Testing or Oral Challenges - [link](#)

Medical Journal of Australia

- Psychotropic medicine prescribing and polypharmacy for people with dementia entering residential aged care: the influence of changing general practitioners - [link](#)

New England Journal of Medicine

- Ruxolitinib for Glucocorticoid-Refractory Chronic Graft-versus-Host Disease - [link](#)

- Initial Management of Seizure in Adults - [link](#)

- Abrelcimab for Prevention of Venous Thromboembolism - [link](#)

- Trial of Pimavanserin in Dementia-Related Psychosis – [article](#); [editorial](#)

- [Review article](#): Substance Use among Men Who Have Sex with Men

- Dolutegravir or Darunavir in Combination with Zidovudine or Tenofovir to Treat HIV - [link](#)

Public Library of Science (PLOS)

- Telmisartan use and risk of dementia in type 2 diabetes patients with hypertension: A population-based cohort study - [link](#)

- Mortality and concurrent use of opioids and hypnotics in older patients: A retrospective cohort [study](#)

- Preventing microalbuminuria with benazepril, valsartan, and benazepril–valsartan combination therapy in diabetic patients with high-normal albuminuria: A prospective, randomized, open-label, blinded endpoint (PROBE) study - [link](#)

TAG Mail – 15 July 2021

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

- ATAGI statement on use of COVID-19 vaccines in an outbreak setting - [link](#)

- ATAGI update following weekly COVID-19 meeting – [7 July 2021](#)

- Australian Health Protection Principal Committee (AHPPC) statement on National Principles for Infection Prevention and Control in Quarantine - [link](#)

- AHPPC [statement](#) on public health management of persons fully vaccinated against SARS-CoV-2

- AHPPC [statement](#) on mandating vaccination among residential disability support workers

CEC

- COVID-19 Infection Prevention and Control Manual (Version 1.4 – 2 July 2021) - [link](#)

NSW Health

COVID-19 Weekly Surveillance in NSW - Epi week 26, ending 3 July 2021 [14 July 2021] - [link](#)

NSW Health Critical Intelligence Unit

- [COVID-19 Monitor 15 Jul 2021](#) - COVID-19 vaccines, cases, hospitalisations, deaths and variants

- Risk Monitoring [Dashboard](#) 14 July 2021

- Living Evidence:

-- COVID-19 vaccines. Last updated 14 July 2021 - [link](#)

-- SARS-CoV-2 variants. Last updated 13 July 2021 – [link](#)

-- Post acute sequelae of COVID-19. Last updated 12 Jul 2021 - [link](#)

Thrombosis & Haemostasis Society of Australia and New Zealand (THANZ)

- Multidisciplinary VITT Guideline for Doctors (updated 7th July) - [link](#)

TGA

- COVID-19 vaccine weekly safety report - [08-07-2021](#)
- Communicating about COVID-19 vaccines - [link](#)
- Therapeutic Goods (Restricted Representations - COVID-19 Vaccines) [Permission \(No. 2\) 2021](#)

INTERNATIONAL

WHO

- Modelling the health impacts of disruptions to essential health services during COVID-19. Module 1: Understanding modelling approaches for sexual, reproductive, maternal, newborn, child & adolescent health, and nutrition - [link](#)
- [Interim guidance](#): Diagnostics, therapeutics, vaccine readiness, & other health products for COVID19
- COVID-19 Vaccines: safety surveillance manual. Module on safety surveillance of COVID-19 vaccines in pregnant and breastfeeding women - [link](#)
- [Interim guidance](#): Infection prevention and control during health care when coronavirus disease (COVID-19) is suspected or confirmed
- WHO global clinical platform for the clinical characterization of COVID-19: statistical [analysis plan](#)
- Care of chronic respiratory disease in the United Kingdom in the time of the COVID-19 pandemic: a snapshot in January 2021 - [link](#)
- Stroke care in Italy at the time of COVID-19: a snapshot in February 2021 - [link](#)
- Landscape of observational study designs on the effectiveness of COVID-19 vaccination - [link](#)
- COVID-19 case management capacities: diagnostics, therapeutics, vaccine readiness, and other health products – facility assessment tool: a module from the suite of health service capacity assessments in the context of the COVID-19 pandemic, 7 July 2021 - [link](#)
- New SARS-CoV-2 antigen rapid diagnostic tests online course - [link](#)
- Updated guidance re myocarditis and pericarditis reported with COVID-19 mRNA [vaccines](#)
- WHO recommends life-saving interleukin-6 receptor blockers for COVID-19 and urges producers to join efforts to rapidly increase access - [link](#)

Canada

CADTH

- Webinar [recording](#): An Update on COVID-19 Vaccines

Europe

EMA

- Advises against use of COVID-19 Vaccine Janssen in people with history of [capillary leak syndrome](#)
- Comirnaty and Spikevax: possible link to very rare cases of myocarditis and pericarditis - [link](#)
- PRAC meeting highlights [July 2021](#) includes: Vaxzevria: warning for Guillain-Barre syndrome

UK

eMC

- Revised SPC: COVID-19 Vaccine ([BioNTech](#) – Pfizer) to warn of very rare reports of myocarditis and pericarditis occurring after vaccination, often in younger men and shortly after 2nd dose

MHRA

- Regulatory approval of Pfizer/BioNTech vaccine for COVID-19 [update](#)
- COVID-19 vaccines: [updates](#) for July 2021 - Revisions to information for healthcare professionals re review of myocarditis and pericarditis
- Oral retinoid medicines (isotretinoin, alitretinoin, and acitretin): temporary monitoring advice during coronavirus (COVID-19) pandemic - [link](#)

Public Health England

- SARS-CoV-2 variants of concern and variants under investigation in England. [Technical briefing 18](#)

USA

Centers for Disease Control and Prevention (CDC)

- Morbidity and Mortality Weekly Reports (MMWR)
- Use of mRNA COVID-19 Vaccine After Reports of Myocarditis Among Vaccine Recipients: Update from the Advisory Committee on Immunization Practices - US, June 2021 - [link](#)
- Acceptability of Adolescent COVID-19 Vaccination Among Adolescents & Parents of Adolescents US, April 15-23, 2021 - [link](#)
- [Science Brief](#): Transmission of SARS-CoV-2 in K-12 Schools & Early Care & Education Programs

FDA

- Joint CDC and FDA Statement on Vaccine Boosters - [link](#)
- FDA Grand Rounds: SARS-CoV-2: Host-pathogen interaction, vaccines & variants of concern - [link](#)

JOURNAL ARTICLES

Annals of Internal Medicine

- Update Alert: Should Remdesivir Be Used for the Treatment of Patients With COVID-19? Rapid, Living Practice Points from the American College of Physicians (Version 2) - [link](#)
- Update Alert 6: Masks for Prevention of Respiratory Virus Infections, Including SARS-CoV-2, in Health Care and Community Settings - [link](#)
- Ideas and Opinions: The Case for Mandating COVID-19 Vaccines for Health Care Workers - [link](#)
- Evaluation of the Effects of Remdesivir and Hydroxychloroquine on Viral Clearance in COVID-19. A Randomized Trial - [link](#)

ANZ Journal of Surgery

- The impact of the COVID-19 pandemic on colorectal cancer diagnosis and management; A Binational Colorectal Cancer [Audit study](#)

BMJ

- Best Practice guide: COVID-19 updated 8 July 2021 - [link](#)
- [Letter](#): Successful management of vaccine-induced immune thrombotic thrombocytopenia-related cerebral sinus venous thrombosis after ChAdOx1 nCov-19 vaccination
- [Head to head](#): Should we delay covid-19 vaccination in children?

British Journal of Clinical Pharmacology

- Cardiovascular drugs and COVID-19 clinical outcomes: A living systematic review and [meta-analysis](#)
- Real-life study on the pharmacokinetics of remdesivir in ICU patients admitted for severe COVID-19 pneumonia - [link](#)

Clinical Microbiology and Infection

- BNT162b2 vaccine breakthrough: clinical characteristics of 152 fully-vaccinated hospitalized COVID-19 patients in Israel - [link](#)

Diabetes Care

- Diabetes, Obesity, COVID-19, Insulin, and Other Antidiabetes Drugs - [link](#)

Health Promotion International

- What factors promote vaccine hesitancy or acceptance during pandemics? Systematic review and thematic analysis – [link](#)

High Blood Pressure & Cardiovascular Prevention

- Safety and Efficacy of Renin-Angiotensin-Aldosterone System Inhibitors in COVID-19 Population - [link](#)

Intensive Care Medicine

- Lopinavir-ritonavir and hydroxychloroquine for critically ill patients with COVID-19: REMAP-CAP randomized controlled trial – [link](#)

Internal Medicine Journal

- Clinical Characteristics and Outcomes of COVID-19 in a low-prevalence, well-resourced setting, Sydney, Australia - [link](#)

JAMA

- [Research Letter](#): Assessment of Prolonged Physiological and Behavioral Changes Associated with COVID-19 Infection
- [Research Letter](#): Diabetes Care and Glycemic Control During the COVID-19 Pandemic in the US
- [Viewpoint](#): Potential COVID-19 Endgame Scenarios. Eradication, Elimination, Cohabitation, or Conflagration?

- Serologic Status and Toxic Effects of the SARS-CoV-2 BNT162b2 Vaccine in Patients Undergoing Treatment for Cancer - [link](#)
- Association between BNT162b2 Vaccination and Incidence of SARS-CoV-2 Infection in Pregnant Women - [link](#)
- Bamlanivimab for Prevention of COVID-19 - [link](#)
- Association of BNT162b2 mRNA and mRNA-1273 Vaccines with COVID-19 Infection and Hospitalization Among Patients With Cirrhosis - [link](#)

Lancet

- The effect of methotrexate and targeted immunosuppression on humoral and cellular immune responses to the COVID-19 vaccine BNT162b2: a [cohort study](#)
- Azithromycin versus standard care in patients with mild-to-moderate COVID-19 (ATOMIC2): an open-label, randomised trial - [link](#)
- Efficacy and safety of an inactivated whole-virion SARS-CoV-2 vaccine (CoronaVac): interim results of a double-blind, randomised, placebo-controlled, phase 3 trial in Turkey - [link](#)
- [Comment](#): Ongoing asthma management in children during the COVID-19 pandemic: to step down or not to step down?
- Genomics-informed responses in the elimination of COVID-19 in Victoria, Australia: an observational, genomic epidemiological study - [link](#)
- [Correspondence](#): Antibody response after second BNT162b2 dose in allogeneic HSCT recipients

medRxiv pre-prints

- Incidence of Severe Acute Respiratory Syndrome Coronavirus-2 infection among previously infected or vaccinated employees - [link](#)
- Effectiveness of Tocilizumab, Sarilumab, and Anakinra for critically ill patients with COVID-19 The REMAP-CAP COVID-19 Immune Modulation Therapy Domain Randomized Clinical Trial - [link](#)
- Utilization of health care services before and after media attention about fatal side effects of the AstraZeneca vaccine - [link](#)

MJA

- Medico-legal considerations of mandatory COVID-19 vaccination for high risk workers - [link](#)

Nature

- Reduced sensitivity of SARS-CoV-2 variant Delta to antibody neutralization - [link](#)

New England Journal of Medicine (NEJM)

- Bamlanivimab plus Etesevimab in Mild or Moderate Covid-19 - [link](#)
- SARS-CoV-2 Variants and Vaccines - [link](#)
- Effectiveness of an Inactivated SARS-CoV-2 Vaccine in Chile - [link](#)
- Audio Interview: How Well Are Covid-19 Vaccines Working? - [link](#)
- [Correspondence](#): Infection and Vaccine-Induced Neutralizing-Antibody Responses to the SARS-CoV-2 B.1.617 Variants
- [Correspondence](#): Therapeutic Plasma Exchange in Vaccine-Induced Immune Thrombotic Thrombocytopenia
- [Correspondence](#): Heterologous ChAdOx1 nCoV-19 and mRNA-1273 Vaccination
- [Correspondence](#): Durable Humoral and Cellular Immune Responses 8 Months after Ad26.COV2.S Vaccination

Research Square

- Study confirms very low risk of death in children following Covid-19 infection - [link](#)

Scientific Reports

- The impact of the COVID-19 epidemic on hospital admissions for alcohol-related liver disease and pancreatitis in Japan - [link](#)
- Placental response to maternal SARS-CoV-2 infection – [link](#)
- COVID-19 mitigation by digital contact tracing and contact prevention (app-based social exposure warnings) - [link](#)

REPORTS AND PUBLICATIONS – AUSTRALIA

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

- National Safety and Quality Health Service (NSQHS) Standards (second edition) - [link](#)
- NSQHS Standards 2021 Preventing and Controlling Infections - [link](#)
- Sepsis Survivorship Report - [link](#)
- Updated decision support tools for Antibiotic use: [Middle ear infection](#), [Acute bronchitis](#), [Sore throat](#)
- Implementation Guide for the Surveillance of Staphylococcus aureus bloodstream infection - [link](#)
- Environmental cleaning practices for small health service organisations - [link](#)
- [Factsheet](#): Bowel Cancer: How to reduce your risk
- Culturally appropriate colonoscopy resources: Colonoscopy for Aboriginal and Torres Strait Islander peoples – [Fact sheet](#) and [video](#)
- Delivering and supporting comprehensive end-of-life care user guide - [link](#)
- Antimicrobial Stewardship in Australian Health Care – [Chapter 16 – Antimicrobial stewardship in community and residential aged care](#)
- Antibiotics (Antimicrobials) and older people in aged care homes – what you should know - [link](#)

Australian Department of Health

- End of Active Ingredient Prescribing Pharmacy Grace Period 31 July 2021 - [link](#)

Australian Institute for Health and Welfare (AIHW)

- Pregnancy & birth [outcomes](#) for Aboriginal & Torres Strait Islander women: 2016-2018, [Fact sheet](#)
- Infant and child mortality rates for Indigenous Australians using linked and unlinked data: Linked Perinatal, Birth, Death Data set - [link](#)
- Indigenous Mental Health & Suicide Prevention Clearinghouse - [link](#)

NHMRC Impact Case Studies

- Medical ultrasound - [link](#)

TGA

- AusPARs:
 - [Human normal immunoglobulin](#) (Cutaquig) - Replacement therapy in adults and children in Primary immunodeficiency diseases (PID) and for symptomatic hypogammaglobulinaemia secondary to underlying disease or treatment.
 - Elexacaftor/tezacaftor/ivacaftor and ivacaftor ([Trikafta](#)) - for the treatment of cystic fibrosis in patients aged 12 years and older who have at least one F508del mutation in the cystic fibrosis transmembrane conductance regulator (CFTR) gene

REPORTS AND PUBLICATIONS – INTERNATIONAL

Canadian Agency for Drugs and Technologies in Health

- Health Technology Review updates
 - Pegylated Interferon Alfa 2a Therapy in Patients with Myeloproliferative Disorders: A Review of Clinical Effectiveness and Cost-Effectiveness - [link](#)
 - Laxatives and Erectile Dysfunction Medications to Treat Side Effects of Opioid Agonist and Methadone Maintenance Therapy - [link](#)
 - Interventions to influence the use of antibiotics for acute upper respiratory tract infections - [link](#)
 - Codeine for Pain Related to Caesarean Section: A Review of Clinical Effectiveness - [link](#)
 - Codeine for Acute Extremity Pain: A Review of Clinical Effectiveness - [link](#)
 - Evidence Update on Direct Oral Anticoagulants for Atrial Fibrillation - [link](#)
- Horizon Scan
 - Monoclonal Antibodies for Osteoarthritis of the Hip or Knee - [link](#)
- Resource tools
 - Proton Pump Inhibitors (PPIs) and Clostridium difficile Infection (CDI): What does the evidence [say](#)?
- Reference list
 - Lidocaine Infusions for Palliative Care Patients with Cancer Pain - [link](#)
 - Strategies for the Reduction or Discontinuation of Opioids: A 2021 Update - [link](#)
 - Basal Insulin Formulations for the Management of Type 2 Diabetes - [link](#)
 - Newer Biologics for the Treatment of Plaque Psoriasis - [link](#)

electronic Medicines Compendium (eMC) (UK)

- New products
- Bramox ([midodrine](#))- sympathomimetic agent with direct & selective effect on peripheral α 1-adrenergic receptors is licensed in adults for severe orthostatic hypotension due to autonomic dysfunction when corrective factors have been ruled out & other forms of treatment are inadequate.
- Lovima and Hana ([desogestrel](#)) 75 microgram film-coated tablets - oral contraception, indicated for women of childbearing age including adolescents, is now available as a Pharmacy (P) medicine.

Food and Drug Administration (FDA) USA

- OKs 1-Month Dual Antiplatelet Therapy for Abbott's Xience Stents - [link](#)
- New Drug approvals
- daratumumab and hyaluronidase-fihj with pomalidomide and dexamethasone for multiple [myeloma](#)
- regular approval to enfortumab vedotin-ejfv for locally advanced or metastatic urothelial [cancer](#)
- finerenone (Kerendi) to reduce risk of serious kidney and heart complications in adults with chronic kidney disease associated with type 2 diabetes - [link](#) – [PI-Label](#)
- enfortumab vedotin ([Padcev](#)) for locally advanced or metastatic urothelial cancer, including patients ineligible for cisplatin chemotherapy

Medicines and Healthcare products Regulatory Agency (MHRA)

- First progestogen-only contraceptive pills to be available to purchase from pharmacies - [link](#)
- EAMS decision [Tepotinib](#) for advanced non-small cell lung cancer (NSCLC)

NHS England

- Abatacept for severe treatment-resistant morphea (localised scleroderma) - [link](#)
- Baricitinib for monogenic interferonopathies (adults and children 2 years and over) - [link](#)
- Mercaptamine hydrochloride viscous eyedrops for corneal cystine deposits in people aged 2 years and over - [link](#)
- Vismodegib for adults with either Gorlin syndrome or non-Gorlin syndrome related multiple basal cell carcinomas - [link](#)
- Tuberculosis (TB) action plan for England, 2021-26 - [link](#)

NHS Scotland

- Accepted uses:
 - [Atezolizumab](#) (Tecentriq) in combination with bevacizumab for adult patients with advanced or unresectable hepatocellular carcinoma who have not received prior systemic therapy
 - [Bempedoic acid](#) (Nilemdo) for adults with primary hypercholesterolaemia in combination with ezetimibe in patients who are statin intolerant or for whom statin is contra-indicated & where ezetimibe alone does not appropriately control LDL-C & where PCSK9 inhibitors are not appropriate
 - [Ofatumumab](#) (Kesimpta) for adult patients with relapsing-remitting multiple sclerosis with active disease defined by clinical or imaging features
 - Pertuzumab/trastuzumab ([Phesgo](#)) - combination subcutaneous injection for use in line with previous SMC advice for pertuzumab & trastuzumab for early & metastatic breast cancer
- NOT accepted uses:
 - [Tafamidis](#) (Vyndaqel) for wild-type and hereditary transthyretin amyloidosis in adults with cardiomyopathy as cost in relation to its health benefits was not sufficient

National Institute for Health and Clinical Excellence (NICE) UK

- Adalimumab, etanercept, infliximab and abatacept for treating moderate rheumatoid arthritis after conventional DMARDs have failed [[TA715](#)]
- Fedratinib for disease-related splenomegaly and symptoms in myelofibrosis [[ID1501](#)]
- OTL-200 for treating metachromatic leukodystrophy [[ID1666](#)]

Specialist Pharmacy Services NHS UK

- Choosing a calcium and vitamin D preparation for vegetarians or vegans - [link](#)
- Equivalent doses of oral benzodiazepines - [link](#)
- New Medicines News [June 2021](#)
- Swallowing difficulties resources - [link](#)

World Health Organisation (WHO)

- recommendations issued to improve access to rapid molecular tests for the detection of TB and drug-resistant TB - [link](#)

MEDICATION SAFETY

electronic Medicines Compendium (eMC) (UK)

- Revised SPCs
- Ilaris ([canakinumab](#)) - reaction with eosinophilia and systemic symptoms (DRESS) reported.
- Tysabri ([natalizumab](#)) - thrombocytopenia, incl immune thrombocytopenic purpura (ITP), reported.
- Piqray ([alpelisib](#)) - hyperglycaemic hyperosmolar non-ketotic syndrome added as an ADR (frequency unknown), management of hyperglycaemia, rash and diarrhoea updated, information about osteonecrosis of the jaw added.
- Orphacol ([cholic acid](#)) - warns of reports of severe hepatotoxicity, including cases with fatal outcome, with use of cholic acid. Treatment in patients with pre-existing hepatic impairment should be closely monitored and stopped if abnormal hepatocellular function does not improve within 3 months.
- Pro-Epanutin ([fosphenytoin](#)) - serious cutaneous adverse reactions and CYP2CP metabolism; interactions with tenofovir alafenamide & afatinib, addition of urticaria as an ADR (unknown frequency).
- Fabrazyme ([agalsidase beta](#)) updated to advise initial infusion rate should be no more than 0.25 mg/min (15 mg/hour) to minimise potential occurrence of infusion-associated reactions.
- Venclyxto ([venetoclax](#)) - greater clarification on CLL patients at risk for Tumour Lysis Syndrome (TLS) and appropriate prophylaxis measures to reduce risk of TLS, including table detailing dose modifications for both management of TLS and other toxicities in CLL.

European Medicines Agency (EMA)

- Finds no evidence linking viral vector in Zynteglo to blood cancer - [link](#)

Food and Drug Administration (FDA) USA

- Advises drug manufacturers that Burkholderia cepacia complex poses a contamination risk in non-sterile, water-based drug products - [link](#)

ISMP

- Medication Safety Alert! [July 15, 2021](#)
- Screening for Dihydropyrimidine Dehydrogenase (DPD) Deficiency in Fluorouracil Patients: Why Not? – feature [article](#)
- Patient administration errors with the use of alprostadil urethral inserts
- Improved safety needed for pediatric pegfilgrastim use
- Drug manufacturers need to stop printing barcodes across round surfaces!
- [Acute Care Action Agenda](#) (April – June 2021)

Medicines and Healthcare products Regulatory Agency (MHRA) UK

- Drug Safety Update [July 2021](#) includes:
- Chloramphenicol eye drops containing borax or boric acid buffers: use in children younger [than 2](#)
- Letters to Healthcare Professionals [June 2021](#) include:
- Venetoclax (Venclyxto): updated recommendations on tumour lysis syndrome (TLS) in CLL patients
- Inrebic (fedratinib) 100 mg hard capsules: Potential interaction with grapefruit or grapefruit juice

NSW Health

- Safety Information [SI 007/21](#): Safe use of medications with multiple concentrations in Electronic Medication Management (EMM) systems.

TGA

- Cefalexin (Sandoz) suspension reconstitution instructions: recent batch of cefalexin suspension, Sandoz brand, has no reconstitution instructions on the label, box or in the Product Information (PI). Updated PI that includes reconstitution instructions, including volume of water to be added, is available from the TGA [here](#).

- WHO Pharmaceuticals Newsletter [No.3 2021](#) includes:

- Cetuximab (genetic recombination) - Risk of hypomagnesaemia, Japan
- Durvalumab (genetic recombination) - Risk of immune thrombocytopenic purpura, Japan
- Iopamidol (Iopamiron®) PI should be revised to include the risk of acute generalized exanthematous pustulosis (AGEP) as an adverse drug reaction, Japan
- Nivolumab - Potential risk of certain blood disorders and cytokine release and tumor lysis syndromes, Canada
- Obeticholic acid - Risk of serious liver injury, US
- Pomalidomide, thalidomide - Risk of progressive multifocal leukoencephalopathy (PML), Canada
- Ritodrine and Magnesium sulfate (co-administration) - Increased risk of hyperkalaemia, Japan
- Shosaikotokakikyosekko - Risk of interstitial pneumonia, Japan
- Tozinameran - Risk of facial swelling. Europe
- Vascular endothelial growth factor (VEGF) inhibitors (systemic use) - Risk of artery dissections and aneurysms, Malaysia
- Amitriptyline - Potential risk of drug reaction with eosinophilia and systemic symptoms, Saudi Arabia
- Clonidine - Risk of overdosing in children, Australia
- Clopidogrel - Potential risk of hypertension, Saudi Arabia
- Donepezil - Potential risk of QT prolongation, Saudi Arabia
- Fluoroquinolones - Risk of heart valve regurgitation, Singapore
- Indapamide - Potential risk of rhabdomyolysis, Saudi Arabia
- Lamotrigine - Potential risk of arrhythmia, US
- Nivolumab - Potential risk of hypoparathyroidism, Saudi Arabia
- Theophylline - Potential risk of encephalopathy, Saudi Arabia
- Signals: Levetiracetam & Hypokalaemia; Remdesivir & pancreatic toxicity; Tocilizumab & Pancreatitis

PAPERS OF INTEREST

Addiction

- E-cigarettes versus nicotine replacement treatment as harm reduction interventions for smokers who find quitting difficult: Randomised controlled trial - [link](#)

Age and Ageing

- Preoperative comprehensive geriatric assessment and optimisation prior to elective arterial vascular surgery: a health economic analysis - [link](#)

Annals of Internal Medicine

- Menopause - [link](#)

Arthritis & Rheumatology

- 2021 American College of Rheumatology/Vasculitis Foundation Guideline for the Management of Antineutrophil Cytoplasmic Antibody–Associated Vasculitis - [link](#)
- 2021 American College of Rheumatology/Vasculitis Foundation Guideline for the Management of Giant Cell Arteritis and Takayasu Arteritis - [link](#)
- 2021 American College of Rheumatology/Vasculitis Foundation Guideline for the Management of Polyarteritis Nodosa - [link](#)

British Journal of Clinical Pharmacology

- Mirtazapine use may increase the risk of hypothyroxinaemia in patients affected by major depressive disorder - [link](#)
- Using soluble urokinase plasminogen activator receptor to stratify patients for medication review in the emergency department - [link](#)
- Oxaliplatin immune-mediated thrombocytopenia: is there a role for pre-medication or desensitization? - [link](#)
- Adverse events following immunization with bivalent oral poliovirus vaccine (bOPV) in Jiangsu, China - [link](#)
- Mycophenolic Acid and Cancer Risk in Solid Organ Transplant Recipients: Systematic Review and Meta-analysis - [link](#)
- Clinical and Echocardiographic Characteristics After Six Months of Sacubitril/Valsartan in Chagas Heart Disease – a Case Series - [link](#)

British Medical Journal (BMJ)

- Optimizing Therapy to Prevent Avoidable Hospital Admissions in Multimorbid Older Adults (OPERAM): cluster randomised controlled trial - [link](#)
- Efficacy, acceptability, and safety of muscle relaxants for adults with non-specific low back pain: systematic review and meta-analysis - [link](#)
- Nutritional basis of type 2 diabetes remission - [link](#)
- Values, preferences and burden of treatment for the initiation of GLP-1 receptor agonists and SGLT-2 inhibitors in adult patients with type 2 diabetes: a systematic review - [link](#)
- Glucocorticoid induced adrenal insufficiency - [link](#)

BMJ Quality and Safety

- Editorial: Learning from successes: designing medication adherence intervention research so that we can learn what works and why - [link](#)
- Co-produced capability framework for successful patient and staff partnerships in healthcare quality improvement: results of a scoping review - [link](#)

Canadian Journal of Health Technologies

- Initiation of Biologic Disease-Modifying Antirheumatic Drugs for Rheumatoid Arthritis: A Budget Impact Analysis - [link](#)

Circulation

- Diagnosis and Management of Myocarditis in Children: A Scientific Statement from the American Heart Association - [link](#)
- Incorporating SGLT2i and GLP-1RA for Cardiovascular and Kidney Disease Risk Reduction: Call for Action to the Cardiology Community - [link](#)
- Assessing and Addressing Cardiovascular Health in People Who Are Transgender and Gender Diverse (TGD): A Scientific Statement from the American Heart Association - [link](#)

Cochrane

- Opioid treatment for opioid withdrawal in newborn infants - [link](#)
- Pharmacological interventions versus placebo, no treatment or usual care for osteoporosis in people with chronic kidney disease stages 3-5D - [link](#)

Diabetes Research and Clinical Practice

- Comparative efficacy and safety of 8 GLP-1RAs in patients with type 2 diabetes: A network meta-analysis - [link](#)

European Heart Journal

- Similar cardiovascular outcomes in patients with diabetes and established or high risk for coronary vascular disease treated with dulaglutide with and without baseline metformin - [link](#)
- Oral fluoroquinolones & risk of aortic or mitral regurgitation: a nationwide nested case-control [study](#)

European Journal of Hospital Pharmacy

- Impact of pharmacist-led interventions in improving adherence to glaucoma medications in the geriatric population - [link](#)
- Reducing the risk of non-sterility of aseptic handling in hospital pharmacies, part C: applying risk assessment and risk control in practice - [link](#)

International Journal of Clinical Pharmacy

- Analysis of inpatient and high-risk medicine pharmacist interventions associated with insulin prescribing for hospital inpatients with diabetes - [link](#)

JAMA

- Use of Medications for Treatment of Opioid Use Disorder Among US Medicaid Enrollees in 11 States, 2014-2018 - [link](#)

JAMA Cardiology

- Clinical Strategy for the Diagnosis and Treatment of Immune Checkpoint Inhibitor–Associated Myocarditis. A Narrative Review - [link](#)

JAMA Internal Medicine

- [Viewpoint](#): Approval of Aducanumab for Alzheimer Disease—the FDA’s Perspective – [editor’s note](#)
- [Viewpoint](#): Medicare and the Shocking US Food and Drug Administration Approval of Aducanumab Crisis or Opportunity?
- The Trial to Reduce Antimicrobial Use in Nursing Home Residents with Alzheimer Disease and Other Dementias (TRAIN-AD). A Cluster Randomized Clinical Trial - [link](#) - [commentary](#)
- [Research letter](#): Communication of Survival Data in US Food and Drug Administration–Approved Labeling of Cancer Drugs

JAMA Network Open

- Changes in Initial Opioid Prescribing Practices After the 2016 Release of the CDC Guideline for Prescribing Opioids for Chronic Pain - [link](#)

JAMA Neurology

- Efficacy and Safety of Ticagrelor and Aspirin in Patients with Moderate Ischemic Stroke. An Exploratory Analysis of the THALES Randomized Clinical Trial - [link](#)
- Five-Year Extension Results of the Phase 1 START Trial of Onasemnogene Apeparvovec in Spinal Muscular Atrophy - [link](#)
- Efficacy and Safety of Ticagrelor and Aspirin in Patients with Moderate Ischemic Stroke An Exploratory Analysis of the THALES Randomized Clinical Trial - [link](#)

JAMA Surgery

- Comment: Concerns About Study on Fluoroquinolone Use and Risk of Development Of Aortic Aneurysm – [link](#) – [link](#) - [reply](#)

Journal of Clinical Oncology

- Efficacy and Toxicity of Pegaspargase and Calaspargase Pegol in Childhood Acute Lymphoblastic Leukemia: Results of DFCI 11-001 - [link](#)
- Practice Patterns and Outcomes of Novel Targeted Agents for the Treatment of ERBB2-Positive Metastatic Breast Cancer - [link](#)

Journal of Clinical Endocrinology and Metabolism

- Effects of Proton Pump Inhibitors on Glycemic Control and Incident Diabetes: A Systematic Review and Meta-Analysis - [link](#)

Journal of Patient Safety

- Identifying health information technology usability issues contributing to medication errors across medication process stages - [link](#)

Journal of Pharmacy Practice and Research (JPPR)

- Effective treatment of acute hepatitis E by ribavirin in a patient complicated with renal impairment: A case report - [link](#)

Lancet Diabetes & Endocrinology

- Nutritional intake and bone health - [link](#)

Lancet Infectious Diseases

- [Personal view](#): The urgent need for metallo-β-lactamase inhibitors: an unattended global threat

Lancet Oncology

- Global burden of cancer in 2020 attributable to alcohol consumption: a population-based study - [link](#)
- Perioperative or postoperative adjuvant oxaliplatin with S-1 versus adjuvant oxaliplatin with capecitabine in patients with locally advanced gastric or gastro-oesophageal junction adenocarcinoma undergoing D2 gastrectomy (RESOLVE): an open-label, superiority and non-inferiority, phase 3 randomised controlled trial - [link](#)

eClinical Medicine

- Effect of omega-3 fatty acids on cardiovascular outcomes: A systematic review and [meta-analysis](#)

MJA

- Potentially preventable hospitalisations of people with intellectual disability in New South Wales - [link](#)
- Improving access to community care for people with intellectual disability is needed to avert unnecessary hospitalisations - [link](#)

NEJM

- Clinical practice: Initial Management of Seizure in Adults - [link](#)
- Physical Rehabilitation for Older Patients Hospitalized for Heart Failure - [link](#)

Pharmaceutical Journal

- Hospital-to-pharmacy discharge service saves more than 17,000 bed days in three months - [link](#)
- Low pharmacy uptake of pilot postal inhaler recycling scheme - [link](#)

Simulation in Healthcare

- Improving Safety Recommendations Before Implementation. A Simulation-Based Event Analysis to Optimize Interventions Designed to Prevent Recurrence of Adverse Events - [link](#)

Therapeutics and Clinical Risk Management

- Clopidogrel-induced Interstitial Lung Disease: A Case Report - [link](#)

TAG Mail – 8 July 2021

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

- ATAGI update following weekly COVID-19 meeting – 30 June 2021 - [link](#)
- Information for Immunisation Providers on Thrombosis with Thrombocytopenia Syndrome (TTS) following COVID-19 vaccination. Updated 02/07/2021 - [link](#)
- Epidemiology [Report 44](#): Reporting period ending 20 June 2021

National COVID-19 Clinical Evidence Taskforce

- New and updated recommendations as at [1/07/2021](#)
- New: casirivimab plus imdevimab (REGEN-COV); aspirin; sotrovimab, tofacitinib, baricitinib for pregnant or breastfeeding women, sarilumab for pregnant or breastfeeding women, baricitinib for children or adolescents, sarilumab for children or adolescents
- Updated: ivermectin, human umbilical mesenchymal stem cells; VTE prophylaxis

NSW Health

- COVID-19 Weekly Surveillance in NSW - Epidemiological week 25, ending 26 June 2021 - [link](#)
- Safety Notice [SN:013/2](#): Changes to COVID-19 vaccine access and indications (updated) 1/7/21
- Policy Directive [PD2021_019](#): Statewide Protocol for the Supply or Administration of COVID-19 Vaccine (updated 28 June 2021)

NSW Health Critical Intelligence Unit

- COVID-19 Monitor [8 Jul 2021](#)
- Risk Monitoring Dashboard [7 July 2021](#)
- Living Evidence:
 - COVID-19 vaccines. Last updated 7 July 2021 - [link](#)
 - SARS-CoV-2 variants. Last updated 7 July 2021 – [link](#)
 - Post acute sequelae of COVID-19. Last updated 25 June 2021 - [link](#)
- Evidence Check: COVID-19 and maternity and newborn communities of practice - [link](#)

NPS MedicineWise

- Supporting COVID-19 vaccination safety and reporting - [link](#)

SHPA

- COVID-19 [discussion forum](#) (members only): COVID-19 vaccine - collection of information (by Medicines Information Senior Pharmacist, Fiona Stanley Hospital W.A.); Skin tests on patients for possible PEG or polysorbate sensitivity

TGA

- COVID-19 vaccine weekly safety report - 01-07-2021 - [link](#)
- Statement for healthcare professionals: How COVID-19 vaccines are regulated for safety and effectiveness - [link](#)
- Advisory Committee on Vaccines (ACV) Statement, meeting 20 - [link](#)
- Batch release assessment of COVID-19 vaccines - [link](#)

INTERNATIONAL

WHO

- Weekly epidemiological update on COVID-19 - [6 July 2021](#)
- COVID-19 vaccine tracker and landscape – updated 6 July 2021- [link](#)
- ETAGE interim recommendations, June 2021: inclusion of adolescents aged 12-15 years in national COVID-19 vaccination programmes - [link](#)
- Implementation guidance for assessments of frontline service readiness: strengthening real-time monitoring of health services in the context of the COVID-19 pandemic, 1 July 2021 - [link](#)
- Technical considerations for implementing a risk-based approach to international travel in the context of COVID-19: Interim guidance, 2 July 2021 - [link](#)
- Policy considerations for implementing a risk-based approach to international travel in the context of COVID-19, 2 July 2021 - [link](#)
- Protocol template to be used as template for observational study protocols for: [sentinel surveillance of adverse events of special interest](#) (AESIs) after vaccination with COVID-19 vaccines; [cohort event monitoring \(CEM\) for safety signal detection](#) after vaccination with COVID-19 vaccines
- Ethical Framework for WHO's work in the ACT-Accelerator - [link](#)
- Science in 5: [Episode #44](#) Delta variant and vaccines; [Episode #45](#) Delta variant
- New training resources to help young people support one another during emergencies - [link](#)
- WHO Therapeutics and COVID-19: living guideline [5th version](#) update includes: ** NEW ** strong recommendation to use IL-6 receptor blockers (tocilizumab or sarilumab) in patients with severe or critical COVID-19 (published 6 July 2021)

UK

MHRA

- COVID-19 Therapeutic Alert - Palivizumab passive immunisation against respiratory syncytial virus (RSV) in at risk pre-term infants - [link](#)

USA

American Society of Health-System Pharmacists (ASHP)

- ASHP discussion forum ([Sign up](#) for free) recent topics of discussion include: Returned Unused Medications; tocilizumab plus remdesivir.

Centers for Disease Control and Prevention (CDC)

- Selected Adverse Events Reported after COVID-19 Vaccination. Updated 30 June 2021 - [link](#)
- Morbidity and Mortality Weekly Report (MMWR): Symptoms of Depression, Anxiety, Post-Traumatic Stress Disorder, and Suicidal Ideation among State, Tribal, Local, and Territorial Public Health Workers During the COVID-19 Pandemic - US, March–April 2021 - [link](#)

JOURNAL ARTICLES

American Journal of Health-System Pharmacy

- Rapid implementation of pharmacy infusion services for emergency use authorization COVID-19 treatments at a field hospital - [link](#)
- Consequences of rush to emergency use authorization of bamlanivimab - [link](#)

American Journal of Hematology

- BNT162b2 COVID-19 Vaccine is significantly less effective in patients with hematologic malignancies - [link](#)

Annals of Internal Medicine

- Prevalence of Symptoms More Than Seven Months after Diagnosis of Symptomatic COVID-19 in an Outpatient Setting - [link](#)
- Editorial: When COVID-19 Strikes Your Hospital - [link](#)

BMJ

- Feature: How long does covid-19 immunity last? – [link](#)
- Presymptomatic transmission of SARS-CoV-2 infection: a [secondary analysis](#) using published data

Communications Medicine

- Analysis of sex-specific risk factors and clinical outcomes in COVID-19 - [link](#)

Emerging Infectious Diseases

- Predictors of Non-seroconversion after SARS-CoV-2 Infection - [link](#)

Gastroenterology

- Pre-proof: BNT162b2 mRNA COVID-19 Vaccine Effectiveness in Patients with Inflammatory Bowel Disease: Preliminary Real World Data during Mass Vaccination Campaign - [link](#)

Infection & Chemotherapy

- Which Group Should be Vaccinated First?: A Systematic [Review](#)

JAMA

- Association between Administration of IL-6 Antagonists and Mortality among Patients Hospitalized for COVID-19 - A [Meta-analysis](#) - [editorial](#)
- Frequency of Thrombocytopenia and Platelet Factor 4/Heparin Antibodies in Patients with Cerebral Venous Sinus Thrombosis Prior to the COVID-19 Pandemic - [link](#)
- [Viewpoint](#): Sharing Technology and Vaccine Doses to Address Global Vaccine Inequity and End the COVID-19 Pandemic
- [Viewpoint](#): Ethical Considerations of Offering Benefits to COVID-19 Vaccine Recipients

Journal of Clinical Medicine

- ISIDOG Consensus Guidelines on COVID-19 Vaccination for Women before, during and after Pregnancy - [link](#)

Lancet

- Whole of population-based cohort study of recovery time from COVID-19 in NSW Australia - [link](#)
- Immunogenicity of the BNT162b2 COVID-19 mRNA vaccine and early clinical outcomes in patients with haematological malignancies in Lithuania: a national prospective cohort study - [link](#)
- Learning from crisis: building resilient systems to combat future pandemics - [link](#)

Medical Journal of Australia

- The first known case of vaccine-induced thrombotic thrombocytopenia in Australia - [link](#)
- [Perspective](#): Australia must act to prevent airborne transmission of SARS-CoV-2
- [Perspective](#): Communicating with patients and the public about COVID-19 vaccine safety: recommendations from the Collaboration on Social Science and Immunisation
- [Research Letter](#): Limited clinical value of early repeat RT-PCR testing for SARS-CoV-2

medRxiv pre-prints

- Comparative evaluation of the transmissibility of SARS-CoV-2 variants of concern - [link](#)
- Immunogenicity of COVID-19 Vaccination in Immunocompromised Patients: An Observational, Prospective Cohort Study Interim Analysis - [link](#)
- Use of the Elimination Strategy in Response to the COVID-19 Pandemic: Health and Economic Impacts for New Zealand Relative to Other OECD Countries - [link](#)
- Infectivity and immune escape of the new SARS-CoV-2 variant of interest Lambda - [link](#)
- Transmissibility of COVID-19 among Vaccinated Individuals: A Rapid Literature [Review](#) - Update #1
- Heterologous prime-boost vaccination with ChAdOx1 nCoV-19 and BNT162b2 mRNA - [link](#)

Nature

- Age-related immune response heterogeneity to SARS-CoV-2 vaccine BNT162b2 - [link](#)

New England Journal of Medicine

- Safety and Efficacy of NVX-CoV2373 Covid-19 Vaccine - [link](#)
- Prevention and Attenuation of Covid-19 with the BNT162b2 and mRNA-1273 Vaccines - [link](#)

- [Perspective](#): Confronting Our Next National Health Disaster - Long-Haul Covid
- Covid-19 in Immune-Mediated Inflammatory Diseases - [Case Series](#) from New York
- Correspondence:
 - Therapeutic Plasma Exchange in Vaccine-Induced Immune Thrombotic Thrombocytopenia - [link](#)
 - Infection & Vaccine-Induced Neutralizing-Antibody Responses to the SARS-CoV-2 B.1.617 [Variants](#)

npj Regenerative Medicine volume

- Updates on clinical trials evaluating the regenerative potential of allogenic mesenchymal stem cells in COVID-19 - [link](#)

PLOS ONE

- Contextualising COVID-19 prevention behaviour over time in Australia: Patterns and long-term predictors from April to July 2020 in an online social media sample - [link](#)

PLOS Medicine

- Detection of significant antiviral drug effects on COVID-19 with reasonable sample sizes in randomized controlled trials: A modeling study - [link](#)

Postgraduate Medical Journal

- Healthcare workers' (HCWs) attitudes and related factors towards COVID-19 vaccination: a rapid systematic [review](#)
- Statin and mortality in COVID-19: a systematic review and meta-analysis of pooled adjusted effect estimates from propensity-matched cohorts - [link](#)

Science

- SARS-CoV-2 immune evasion by the B.1.427/B.1.429 variant of concern - [link](#)

Ultrasound in Obstetrics & Gynecology

- Short-term outcome of pregnant women vaccinated by BNT162b2 mRNA COVID-19 vaccine - [link](#)

Vaccines

- Efficacy and Safety of COVID-19 Vaccines in Phase III Trials: A Meta-Analysis - [link](#)

OTHER NEWS (bold = new)

Agency for Clinical Innovation, NSW (ACI)

- **Paediatric Resource Hub** - [link](#)
- **Launch of ROVE Analytics App** allow NSW Health staff to measure and monitor the impact of Value Based Health Care initiatives in a user-friendly way, tranche 1 initiatives include heart failure & COPD. Contact MOH-Roveapp@health.nsw.gov.au for access

CEC

- Medication supply update: Andriol Testocaps ([testosterone undecanoate](#) 40mg capsule) discontinued. Link Pharmaceuticals may have alternative products available via TGAs SAS. Local assessments of suitability should be undertaken by DTCs with particular attention to product labelling.

Down Dog Yoga [App](#)

- **Free for healthcare professionals until Jan 2022** – register [here](#)

NPS MedicineWise

- **Clinical case study. Heart failure: Supporting patients in the community** - [link](#)

SHPA

- Pharmacy Forecast Australia 2021 - [link](#); launch [video](#)

REPORTS AND PUBLICATIONS – AUSTRALIA

AHHA

- Deeble Issues Brief No. 43: Towards a sustainable funding model for telehealth in Australia - [link](#)

Australian Institute for Health and Welfare (AIHW)

- Housing assistance in Australia - [link](#)
- Indigenous health checks and follow-ups - [link](#)
- Residential Aged Care Quality Indicators - January to March 2021 - [link](#)
- Infant and child mortality rates for Indigenous Australians using linked and unlinked data: Linked Perinatal, Birth, Death Data set - [link](#)
- Pregnancy and birth outcomes for Aboriginal and Torres Strait Islander women: 2016–2018 - [link](#)

Clinical Excellence Commission (CEC) NSW

- Monthly Update Information for health professionals in NSW public health organisations– [June 2021](#)

NHMRC Impact Case Studies

- Influenza pandemics and their control - [link](#)
- Folate and healthy babies - [link](#)
- Australian antivenom saving lives - [link](#)

NSW Health

- Guideline: Postpartum Haemorrhage (PPH) updated ([GL2021_010](#))
- Policy Directive: Pressure Injury Prevention and Management. Updated ([PD2021_023](#))

PBS

- PBAC Public Summary Documents – March 2021 [meeting](#)
- [News](#): Bevacizumab (Mvasi®) a biosimilar brand of bevacizumab was PBS listed from 1 June 2021

TGA

- Guidance for Therapeutic Goods: Nicotine vaping products and vaping devices - [link](#)
- Pharmacies supplying nicotine e-cigarettes or liquid nicotine on prescription may, in specified circumstances, advise the public that they hold stock of these products - [link](#)
- Changes to documentation requirements for Authorised Prescriber applications - [link](#)
- Medical devices reforms: Enhancements to post-market monitoring - [link](#)

Victorian Institute of Forensic Medicine

- Clinical Communiqué Volume 8 Issue 2 June 2021 - [link](#)

REPORTS AND PUBLICATIONS – INTERNATIONAL

electronic Medicines Compendium (eMC) (UK)

- New products
- [Cefazolin](#) for skin/soft tissue infections and bone/joint infections caused by susceptible micro-organisms, and perioperative prophylaxis
- Adtralza ([tralokinumab](#)) for moderate-to-severe atopic dermatitis in adult patients who are candidates for systemic therapy

European Medicines Agency (EMA)

- How to search, view and download a CT and a CTA (Authority) CTIS Training Programme Module 15 – [FAQs](#) – [step-by-step guide](#)
- Human medicines highlights - [July 2021](#)
- Orphan designation: Carboxypeptidase G2 (glucarpidase) for adjunctive treatment in patients at risk of methotrexate toxicity, updated - [link](#)

Food and Drug Administration (FDA) USA

- Timeline of Selected FDA Activities and Significant Events Addressing Opioid Misuse and [Abuse](#)
- New Drug approvals
- FDA approves [asparaginase erwinia chrysanthemi](#) (recombinant - [Rylaze](#)) for leukemia and lymphoma – [label-PI](#)
- secnidazole ([Solosec](#)) new indication approved for trichomoniasis in adults

Health Foundation, London

- Switched on: How do we get the best out of automation and AI in health care? - [link](#)

Joint Commission

- New and Revised Workplace Violence Prevention Requirements - [link](#) – [R3 report](#)

Kings Fund

- Tackling obesity: the role of the NHS in a whole-system approach - [link](#)

Medicines and Healthcare products Regulatory Agency (MHRA) UK

- MHRA releases guidance in collaboration with Health Canada to improve patient safety in clinical trials through improving the quality of Development Safety Update Reports - [link](#)

National Institute for Health and Clinical Excellence (NICE) UK

- Enzalutamide for treating hormone-sensitive metastatic prostate cancer [[TA712](#)]
- Nivolumab for advanced non-squamous non-small-cell lung cancer after chemotherapy [[TA713](#)]
- Onasemnogene abeparvovec for treating spinal muscular atrophy [[HST15](#)]

Nottingham Universities Hospitals Trust

- Improving the care of patients discharged following a pulmonary embolism, in line with NICE Guidelines [[NG158](#)]

Public Health England

- Meningococcal B: vaccine information for healthcare professionals [revised](#) for infants from 2 months

Specialist Pharmacy Services NHS UK

- Choosing a suitable antidepressant for people with coronary heart disease (CHD) - [link](#)
- Choosing formulations of medicines for adults with swallowing difficulties - [link](#)

World Health Organisation (WHO)

- [Guideline](#) for screening and treatment of cervical pre-cancer lesions for cervical cancer prevention
- Active TB Drug Safety Monitoring and Management (aDSM) global database: Outcome of the assessment and future of data reporting - [link](#)
- [List](#) of Priority Medical Devices for management of cardiovascular diseases and diabetes

MEDICATION SAFETY

electronic Medicines Compendium (eMC) (UK)

- Revised SPCs
- [Dyzantil](#) (sodium valproate/valproic acid)- co-administration with metamizole (inducer of metabolising enzymes) may cause reduction in plasma concentrations of sodium valproate with potential decrease in efficacy
- Efracea ([doxycycline](#))- data from the ANSWER study, evaluating doxycycline modified-release capsules (versus placebo), added to ivermectin for the treatment of adults with severe rosacea
- Levemir ([insulin detemir](#)) - post-marketing data in pregnant women (more than 4,500 pregnancy outcomes) do not indicate any increased risk of malformative or fetoneonatal toxicity
- Mekinist ([trametinib](#)) - no loss of efficacy of hormonal contraceptives expected when co-administered with trametinib monotherapy
- [Mysimba](#) (naltrexone/bupropion) - serotonin syndrome with a serotonergic agent
- [Nicorette](#) (nicotine) QuickMist mouthspray – evaluate potential harms and benefits of nicotine before use in those with a history of epilepsy as cases of convulsions reported
- [Octagam](#) (human normal immunoglobulin) new indication of immunomodulation in adults with active dermatomyositis treated with immunosuppressive drugs including corticosteroids, or with intolerance or contra-indications to those drugs
- Sandostatin ([octreotide](#)) – competitively binds to somatostatin receptors and may interfere with efficacy of radioactive somatostatin analogues. Avoid 24 hours prior to administration of lutetium (177Lu) oxodotreotide
- Zejula ([niraparib](#)) updated with information on use in patients with hepatic impairment

EMA

- Xeljanz (tofacitinib): increased risk of major adverse cardiovascular events and malignancies with use of tofacitinib relative to TNF-alpha inhibitors - [link](#)
- Nitrosamine impurities, updated - [link](#)

Food and Drug Administration (FDA) USA

- FDA alerts health care professionals and patients to a voluntary recall of varenicline (Chantix) to the warehouse level - [link](#)

Medicines & Healthcare products Regulatory Agency (MHRA) UK

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

NSW Health

- 'MDMA (ecstasy) POWDER' found to contain: 25C-NBOMe, a synthetic hallucinogen; and 4-fluoroamphetamine, a stimulant - [Public drug warning](#); [Safety Notice 014/21](#)

TGA

- Medicines Safety Update: Bupropion and serotonin syndrome - [link](#)

PAPERS OF INTEREST

Annals of Internal Medicine

- Treatment of Acute Pain in Adults with Sickle Cell Disease in an Infusion Center Versus the Emergency Department. A Multicenter Prospective Cohort Study - [link](#)
- Letter: Treatment of Low Bone Density or Osteoporosis to Prevent Fractures - [link](#)

Arthritis & Rheumatology

- Upadacitinib in Active Ankylosing Spondylitis: 1-Year Results From the Double-Blind, Placebo-Controlled SELECT-AXIS 1 Study and Open-Label Extension - [link](#)

British Journal of Clinical Pharmacology

- Hospitalization for adverse events under abiraterone or enzalutamide exposure in real-world setting: a French population-based study on prostate cancer patients - [link](#)
- A Case of Acute Pancreatitis Induced by Voriconazole during Treatment of Cryptococcal [Meningitis](#)
- Dose equivalence between metaraminol and norepinephrine in critical care - [link](#)
- Population Pharmacokinetic-Pharmacodynamic Model-Based Exploration of Alternative Ustekinumab Dosage Regimens for Patients with Crohn's Disease - [link](#)
- Metformin use and cirrhotic decompensation in patients with type 2 diabetes and liver cirrhosis - [link](#)
- Effect of renal function on the risk of thrombocytopenia in patients receiving linezolid therapy: a systematic review and meta-analysis - [link](#)
- Number needed to treat for net effect of anticoagulation in atrial fibrillation: Real-World vs. Clinical Trial Evidence - [link](#)
- Repurposing existing therapeutics, its importance in oncology drug development: kinases as a potential target - [link](#)

British Journal of Pharmacology

- Beyond CGRP: the calcitonin peptide family as targets for migraine and pain - [link](#)

British Medical Journal (BMJ)

- Dietary alteration of n-3 and n-6 fatty acids for headache reduction in adults with migraine: randomized controlled trial - [link](#)
- [Editorial](#): Aducanumab for Alzheimer's disease?

BMJ Open

- Sex differences in type and occurrence of adverse reactions to opioid analgesics: a retrospective cohort study - [link](#)

Cochrane

- Bisphosphonate use in children with cerebral palsy - [link](#)
- Interventions for preventing diarrhoea-associated haemolytic uraemic syndrome - [link](#)

Diabetes Care

- Advancing therapy in suboptimally controlled basal insulin-treated type 2 diabetes: Clinical outcomes with iGlarLixi versus premix BIAsp 30 in the SoliMix randomized controlled trial - [link](#)
- Efficacy and Safety of Dapagliflozin by Baseline Glycemic Status: A Prespecified Analysis From the DAPA-CKD Trial - [link](#)

Drug and Therapeutics Bulletin

- Gabapentin not effective for chronic pelvic pain in women - [link](#)
- Risk from concurrent opioid and benzodiazepine use - [link](#)
- Aspirin and gastrointestinal bleeding risk in older people - [link](#)
- Ensuring medication continuity in older people after hospital discharge - [link](#)

European Heart Journal

- The effect of intravenous ferric carboxymaltose on cardiac reverse remodelling following cardiac resynchronization therapy—the IRON-CRT trial - [link](#)

Health Affairs

- Adverse events and emergency department opioid prescriptions in adolescents - [link](#)

Heart

- Association between ibrutinib treatment and hypertension - [link](#)
- Trends in the pharmacological management of atrial fibrillation in UK general practice [2008–2018](#)

International Journal of Clinical Pharmacy

- Exploring pharmacist involvement in the discharge medicines reconciliation process and information transfer to primary care: an observational study - [link](#)
- Direct oral anticoagulant-related medication incidents and pharmacists' interventions in hospital in-patients: evaluation using reason's accident causation theory - [link](#)

International Journal for Quality in Health Care

- Reducing Postoperative Opioid Pill Prescribing via a Quality Improvement Approach - [link](#)

JAMA

- [Viewpoint](#): Intensive Medical Management to Prevent Large and Small Artery Atherothrombotic Stroke. Time to Expand the Horizon
- Effect of Cytisine vs Varenicline on Smoking Cessation. A Randomized Clinical Trial - [link](#)

JAMA Cardiology

- Ticagrelor or Prasugrel for Patients With Acute Coronary Syndrome Treated With Percutaneous Coronary Intervention. A Prespecified Subgroup Analysis of a Randomized Clinical Trial - [link](#)

JAMA Internal Medicine

- Effect of Antibiotic-Prescribing Feedback to High-Volume Primary Care Physicians on Number of Antibiotic Prescriptions. A Randomized Clinical Trial - [link](#)

JAMA Network Open

- Association of Chemotherapy, Enzalutamide, Abiraterone, and Radium 223 with Cognitive Function in Older Men With Metastatic Castration-Resistant Prostate Cancer - [link](#)

JAMA Pediatrics

- Evaluation of Messenger RNA from COVID-19 BTN162b2 & mRNA-1273 Vaccines in Human [Milk](#)

JAMA Psychiatry

- Effect of Zuranolone vs Placebo in Postpartum Depression. A Randomized Clinical Trial - [link](#)

Lancet HIV

- Long-term protection from HIV infection with oral HIV pre-exposure prophylaxis in gay and bisexual men: findings from the expanded and extended EPIC-NSW prospective implementation study - [link](#)

Molecular Diversity Preservation International (MDPI) – Pharmacy Journal

- Exercise and Worsening of Extrapyrimal Symptoms during Treatment with Long-Acting Injectable Antipsychotics - [link](#)

- A Global Survey on Opioid Stewardship Practices in Hospitals: A Cross-Sectional Pilot Study - [link](#)

- Impact of Propofol Sedation upon Caloric Overfeeding and Protein Inadequacy in Critically Ill Patients Receiving Nutrition Support - [link](#)

New England Journal of Medicine

- Multisystem Inflammatory Syndrome in Children — Initial Therapy and Outcomes - [link](#)

- Daratumumab-Based Treatment for Immunoglobulin Light-Chain Amyloidosis - [link](#)

- Review article: Hematuria in Adults - [link](#)

Pediatrics (American Academy of Pediatrics)

- Early Use of Bronchodilators and Outcomes in Bronchiolitis - [link](#)

Pediatric Drugs

- Interventions to Reduce Pediatric Prescribing Errors in Professional Healthcare Settings: A Systematic Review of the Last Decade - [link](#)

Pharmaceutical Journal

- Pharmacotherapy of STEMI: a review of international guidelines - [link](#)

- Conference report: Non-prescription painkillers linked to increased perinatal health risks - [link](#)

Prescribe International Issue 228 [July 2021](#) includes:

- Drug-induced arterial aneurysm and dissection

- Perampanel: Stevens-Johnson syndrome and serious liver disorders

- Proton pump inhibitors: know how to avoid unjustified risks and how to "deprescribe"

- Low-dose methotrexate: 2-year follow-up of adverse events - [link](#)

- Fingolimod: serious liver injury, sometimes -requiring transplantation

- Fusidic acid + betamethasone valerate cream (Dermafusone^o) and infected atopic eczema - [link](#)

Stroke

- Network Meta-Analysis of Ticagrelor for Stroke Prevention in Patients at High Risk for Cardiovascular or Cerebrovascular Events - [link](#)

TAG Mail – 1 July 2021

COVID-19 RESOURCES & ARTICLES OF INTEREST

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

AUSTRALIAN

Australian Institute of Health and Welfare (AIHW)

- Australia's youth: COVID-19 and the impact on young people - [link](#)

Australian Government Department of Health

- ATAGI update following weekly COVID-19 meeting - 23 June 2021 - [link](#)

- Testing Framework for COVID-19 in Australia - [link](#)

National COVID-19 Clinical Evidence Taskforce

- Australian guidelines for the clinical care of people with COVID-19 Version 40.3 - [link](#)

NSW Health

- COVID-19 Weekly Surveillance in NSW - Epidemiological week 24, ending 19 June 2021 - [link](#)

- Authority to Supply Poisons and Restricted Substances - authorised health practitioners and health practitioner students - [link](#)

NSW Health Critical Intelligence Unit

- COVID-19 [Monitor](#) 1 Jul 2021
- Risk Monitoring [Dashboard](#) 30 June 2021
- Living Evidence:
 - COVID-19 vaccines. Last updated 30 June 2021 - [link](#)
 - SARS-CoV-2 variants. Last updated 30 June 2021 – [link](#)
 - Post acute sequelae of COVID-19. Last updated 25 June 2021 - [link](#)
- Evidence Checks:
 - Respirator fit testing evidence check (updated 25/06/2021) – [link](#)
 - Facial hair, masks and COVID-19 transmission (25/06/2021) - [link](#)

TGA

- COVID-19 vaccine weekly safety report 24-06-2021 - [link](#)
- TGA grants provisional determination for the Moderna COVID-19 vaccine, Elasmomeran - [link](#)
- TGA grants third provisional approval to COVID-19 vaccine: Janssen - [link](#)
- [COVID-19 Vaccine Janssen](#): Australian Prescription Medicine [Decision Summary](#); AUSPAR [link](#)

INTERNATIONAL

WHO

- WHO Global COVID-19 Vaccination Strategy: July 2021 Update - [link](#)
- WHO SAGE roadmap for prioritizing uses of COVID-19 vaccines in the context of limited supply (draft document) - [link](#)
- Landscape of observational study designs on the effectiveness of COVID-19 vaccination - [link](#)
- Indicator framework for the evaluation of the public health effectiveness of digital proximity tracing solutions - [link](#)
- Considerations for quarantine of contacts of COVID-19 cases - [link](#)
- Recommendations for national SARS-CoV-2 testing strategies and diagnostic capacities - [link](#)
- Factsheet for health workers: ChAdOx1-S [recombinant] COVID-19 vaccine, June 2021 - [link](#)
- Job aid for COVID-19 vaccine administration, ChAdOx1-S [recombinant] COVID-19 vaccine, June 2021 - [link](#)

Canada

- Health Canada
 - Label changes: AstraZeneca and COVISHIELD COVID-19 vaccines – addition of capillary leak syndrome as a potential side effect - [link](#) ; Pfizer-BioNTech and Moderna COVID-19 vaccine labels to include information on myocarditis and pericarditis - [link](#)
 - COVID-19 vaccines and reports of myocarditis and/or pericarditis - [link](#)
- CADTH
 - COVID-19 Update (Last Updated : [June 21, 2021](#))
 - Webinar: An Update on COVID-19 Vaccines, Jul 7, 2021 02:00 AM AEDT - [register](#)
- National Collaborating Centre for Methods and Tools
 - Rapid Review: What is the effectiveness, immunogenicity and safety of COVID-19 vaccines in persons who have had a prior, confirmed COVID-19 infection? - [link](#)

UK

- BBC Health News
 - Covid: Ivermectin to be studied as possible treatment in UK - [link](#)
- Department of Health and Social care
 - COVID-19 Therapeutic Alert - Palivizumab passive immunisation against respiratory syncytial virus (RSV) in at risk pre-term infants - [link](#)
- MHRA
 - MHRA warns about myocarditis and pericarditis with Moderna and Pfizer COVID-19 vaccines - [link](#)
 - Conditional Marketing Authorisation issued for COVID-19 Vaccine AstraZeneca in Great Britain, with Summary of Product Information, Patient Information Leaflet and Conditions of Authorisation - [link](#)

USA

- American Society of Health-System Pharmacists (ASHP)

-- ASHP discussion forum ([Sign up](#) for free) recent topics of discussion include: systems to track employee vaccinations?; bamlanivimab/etesevimab distribution paused nationwide
-Centers for Disease Control and Prevention (CDC)
-- Morbidity and Mortality Weekly Reports (MMWR)
--- COVID-19 Vaccination Coverage and Intent Among Adults Aged 18–39 Years - US, March–May 2021 - [link](#)
--- Symptoms of Depression, Anxiety, Post-Traumatic Stress Disorder, and Suicidal Ideation Among State, Tribal, Local, and Territorial Public Health Workers During the COVID-19 Pandemic - US, March–April 2021 - [link](#)
- FDA
-- FDA Authorizes Drug (tocilizumab) for Treatment of COVID-19 - [link](#)
-- Revised fact sheets for the [Moderna](#) and [Pfizer-BioNTech](#) COVID-19 vaccines. Provider and patient fact sheets include information about myocarditis and pericarditis following vaccination.

JOURNAL ARTICLES

Acta Paediatrica

- [Editorial](#): Vaccinating children and adolescents against severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) - The Israeli experience

Am J Health-Syst Pharm

- Perspectives on COVID-19 vaccination among kidney and pancreas transplant recipients living in New York City - [link](#)

Annals of Internal Medicine

- [Editorial](#): Thrombosis After Vaccination With Messenger RNA–1273: Is This Vaccine-Induced Thrombosis and Thrombocytopenia or Thrombosis With Thrombocytopenia Syndrome? - [letter](#)
- Accelerating COVID-19 Therapeutic Interventions and Vaccines (ACTIV): Designing Master Protocols for Evaluation of Candidate COVID-19 Therapeutics - [link](#)

Annals of the Rheumatic Diseases

- [Letter](#): Methotrexate and glucocorticoids, but not anticytokine therapy, impair the immunogenicity of a single dose of the BNT162b2 mRNA COVID-19 vaccine in patients with chronic inflammatory arthritis

Antiviral Therapy

- The protease inhibitor lopinavir, boosted with ritonavir, as treatment for COVID-19: a rapid [review](#)

BMC Medicine

- Relation of severe COVID-19 in Scotland to transmission-related factors and risk conditions eligible for shielding support: REACT-SCOT case-control study - [link](#)

BMJ

- Chronic fatigue syndrome and long covid: moving beyond the controversy - [link](#)
- COVID-19 News: Third of people infected have long term symptoms - [link](#); Should we be worried about reports of myocarditis and pericarditis after mRNA vaccines? - [link](#); Third vaccine dose boosts immune response but may not be needed, say researchers - [link](#)
- Efficacy and safety of remdesivir in COVID-19 caused by SARS-CoV-2: a systematic review and meta-analysis - [link](#)
- Hypertension is the major predictor of poor outcomes among inpatients with COVID-19 infection in the UK: a retrospective cohort study - [link](#)

British Journal of Clinical Pharmacology

- Challenge in treating COVID-19 associated pulmonary aspergillosis: Supratherapeutic voriconazole levels - [link](#)

Clinical Infectious Diseases

- Ivermectin for the treatment of COVID-19: A systematic review and meta-analysis of randomized controlled trials - [link](#)

Clinical Microbiology and Infection

- Use of an antiviral mouthwash as a barrier measure in the SARS-CoV-2 transmission in adults with asymptomatic to mild COVID-19: a multicentre, randomized, double-blind controlled trial - [link](#)

Critical Care

- Awake prone positioning in patients with hypoxemic respiratory failure due to COVID-19: the PROFLO multicenter randomized clinical trial - [link](#)

Diabetes Care

- Intensive care unit admission, mechanical ventilation, and mortality among patients with Type 1 diabetes hospitalized for COVID-19 in the U.S. - [link](#)

EClinicalMedicine

- Effect of Tenofovir Disoproxil Fumarate and Emtricitabine on nasopharyngeal SARS-CoV-2 viral load burden amongst outpatients with COVID-19: A pilot, randomized, open-label phase 2 trial - [link](#)
- Nitazoxanide superiority to placebo to treat moderate COVID-19 – A Pilot prove of concept randomized double-blind clinical trial - [link](#)

Emergency Medicine Journal

- Clinical benefits of prone positioning in the treatment of non-intubated patients with acute hypoxic respiratory failure: a rapid systematic review - [link](#)

Emerging Infectious Diseases

- [Research Letter](#): Genomic Evolution of SARS-CoV-2 Virus in Immunocompromised Patient, Ireland

European Heart Journal

- Pulmonary embolism in patients with COVID-19: incidence, risk factors, clinical characteristics, and outcome - [link](#)

Frontiers in Public Health

- Reinfection or Reactivation of Severe Acute Respiratory Syndrome Coronavirus 2: A Systematic [Review](#)

Infection Control & Hospital Epidemiology

- COVID-19 mRNA vaccine effectiveness in asymptomatic healthcare workers - [link](#)

Internal Medicine Journal

- Medical Oncology Group of Australia position statement: COVID-19 vaccination in patients with solid tumours - [link](#)

International Journal of Infectious Diseases

- Countries with similar Covid-19 vaccination rates yet divergent outcomes: are all vaccines created equal? - [link](#)

JAMA

- Association of COVID-19 Vaccination and Facial Nerve Palsy. A Case-Control Study - [link](#), [commentary](#)

- [Research letter](#): Incidence of Bell Palsy in Patients With COVID-19

JAMA Cardiology

- Myocarditis Following Immunization With mRNA COVID-19 Vaccines in Members of the US Military - [link](#) – [editorial](#)

- Patients With Acute Myocarditis Following mRNA COVID-19 Vaccination – [link](#) - [editorial](#)

JAMA Dermatology

- [Research letter](#): Incidence of Cutaneous Reactions After Messenger RNA COVID-19 Vaccines

JAMA Otolaryngol Head Neck Surg

- Association of COVID-19 Vaccination and Facial Nerve Palsy. A Case-Control Study - [link](#)

Journal of Autoimmunity

- Blood clots and bleeding events following BNT162b2 and ChAdOx1 nCoV-19 vaccine: An analysis of European data - [link](#)

Lancet

- Immunogenicity and reactogenicity of BNT162b2 booster in ChAdOx1-S-primed participants (CombiVacS): a multicentre, open-label, randomised, controlled, phase 2 trial - [link](#)
- Invasive mould disease in fatal COVID-19: a systematic review of autopsies - [link](#)
- Effectiveness of BNT162b2 and ChAdOx1 nCoV-19 COVID-19 vaccination at preventing hospitalisations in people aged at least 80 years: a test-negative, case-control study - [link](#)
- Vaccine effectiveness of the first dose of ChAdOx1 nCoV-19 and BNT162b2 against SARS-CoV-2 infection in residents of long-term care facilities in England (VIVALDI): a prospective cohort [study](#)
- Pre-print: Tolerability and Immunogenicity After a Late Second Dose or a Third Dose of ChAdOx1 nCoV-19 (AZD1222) - [link](#)
- Commentary: COVID-19 vaccines for children younger than 12 years: are we ready? - [link](#)

medRxiv pre-prints

- First identification of SARS-CoV-2 Lambda (C.37) variant in Southern Brazil - [link](#)
- COVID-19 pandemic dynamics in India & impact of the SARS-CoV-2 Delta (B.1.617.2) variant - [link](#)
- Reduced neutralisation of the Delta (B.1.617.2) SARS-CoV-2 variant of concern following vaccination - [link](#)
- Characterizing Long COVID: Deep Phenotype of a Complex Condition – [link](#)

Nature Podcast

- Audio long-read: How COVID exposed flaws in evidence-based medicine - [link](#)

Nature Reviews Gastroenterology & Hepatology

- COVID-19: biologic and immunosuppressive therapy in gastroenterology and hepatology - [link](#)

NEJM

- Safety and Efficacy of NVX-CoV2373 Covid-19 Vaccine - [link](#)
- Prevention and Attenuation of Covid-19 with the BNT162b2 and mRNA-1273 Vaccines - [link](#)
- Perspective: Confronting Our Next National Health Disaster — Long-Haul Covid - [link](#)

Pharmaceutical Journal

- Peaks in number of young people prescribed antidepressants coincide with lockdowns - [link](#)

PharmaTimes

- 'Mix and match' COVID-19 vaccine study yields promising results - [link](#)

PLOS ONE

- Global seroprevalence of SARS-CoV-2 antibodies: A systematic review and meta-analysis - [link](#)
- Estimating ventilation rates in rooms with varying occupancy levels: Relevance for reducing transmission risk of airborne pathogens - [link](#)

Scientific Reports

- Detection of SARS-CoV-2 RNA in serum is associated with increased mortality risk in hospitalized COVID-19 patients - [link](#)
- Acute and persistent symptoms in non-hospitalized PCR-confirmed COVID-19 patients - [link](#)
- High prevalence of symptoms among Brazilian subjects with antibodies against SARS-CoV-2 - [link](#)

World Journal of Paediatrics

- Clinical characteristics of COVID-19 in family clusters: a systematic review - [link](#)

REPORTS AND PUBLICATIONS – AUSTRALIA

Agency for Clinical Innovation, NSW (ACI)

- Clinician Connect [29 June 2021](#)
- Features: How to partner with consumers to improve healthcare - [link](#); Local stories showcase Leading Better Value Care - [link](#); Ahead of the curve on trauma management - [link](#)
- Editorials: Working with consumers in healthcare - [link](#); Consumer engagement - nothing about us, without us - [link](#)

-- Network updates: Spotlight on: The Transition Care Network - [link](#); Working together to establish the Maternity and Neonatal Network - [link](#)

Australian Commission on Safety and Quality in Health Care

- Antimicrobial Stewardship in Australian Health Care: new [Chapter 16](#) – Antimicrobial Stewardship in community and residential aged care; [Consumer pamphlet](#): Antibiotics (Antimicrobials) and older people in aged care homes – what you should know

Australian Institute for Health and Welfare (AIHW)

- Inequalities in overweight and obesity and the social determinants of health - [link](#),
- Fact sheet: Inequalities in overweight and obesity among young and older Australians - [link](#)
- Fact sheet: Social determinants of health and overweight and obesity among those aged 18-64 - [link](#)
- Australia's mothers and babies - [link](#)
- Deaths in Australia - [link](#)
- Australia's youth - [link](#), In Brief - [link](#)
- [Australia's youth topics](#) – includes Social Support, Income and finance, Justice and Safety, Health, Education and employment, Housing and Contributions from young people
- General Record of Incidence of Mortality (GRIM) books - [link](#)
- Mortality Over Regions and Time (MORT) books – [link](#)
- Residential Aged Care Quality Indicators — January to March 2021 - [link](#)

NSW Health

- NSW Suicide Monitoring System - Report 8 - Data to April 2021 - [link](#)
- Commissioning for Better Value Strategy 2021-24 - [link](#)

PBS

- National Medicines Policy Review to begin in August 2021 - [link](#)

PSA

- Medicine safety forum: Informing Australia's 10th National Health Priority Area - [link](#)

TGA

- AusPARs:
-- [Cariprazine hydrochloride](#) (Reagila) - for schizophrenia in adult patients
-- [Trabectedin](#) (Yondelis) - for patients with unresectable or metastatic liposarcoma or leiomyosarcoma who received a prior anthracycline-containing regimen
- Australian prescription medicine decision summaries:
-- [Eptinezumab](#) (Vyepti) - for preventive treatment of migraine in adults.
-- [Chlormethine hydrochloride](#) (Ledaga®) - for topical treatment of mycosis fungoides-type cutaneous T-cell lymphoma (MF-type CTCL) in adult patients.

REPORTS AND PUBLICATIONS – INTERNATIONAL

Agency for Healthcare Research and Quality (AHRQ) USA

- Toolkit To Improve Antibiotic Use in Long-Term Care - [link](#)

British National Formulary (BNF) newsletter – [June 2021](#)

- New monographs (BNF for children): midazolam (Miprosed, Ozalin)

Canadian Agency for Drugs and Technologies in Health

- Health Technology Review:
-- Rituximab for the Treatment of Myasthenia Gravis: A 2021 Update - [link](#)
-- Rituximab for the Treatment of Neuromyelitis Optica Spectrum Disorder – [link](#)
-- Rituximab to Treat Primary Membranous Nephropathy (in progress) - [link](#)
-- Conventional Disease-Modifying Antirheumatic Drugs for Treatment of Rheumatoid Arthritis - [link](#)
- Environmental scan:
-- Framework for [Drugs for Rare Diseases](#)
-- Models of Care for [Chronic Pain](#)

- Horizon scan: [PCSK9 Inhibitor Monoclonal Antibodies](#) for the Treatment of Hypercholesterolemia
- In Brief: [Buprenorphine](#) for Opioid Use Disorder
- Guidelines for the Economic Evaluation of Health Technologies: Canada - [link](#)
- Strategies for the Reduction or Discontinuation of Opioids: A 2021 Update - [link](#)
- [Biosimilar](#) Drugs: Tools for patients and health care providers designed to share information on biosimilar drugs.
- First Dose of Antibiotics Administered Using Intravenous Push Versus Intravenous Mini Bag Systems - [link](#)
- Pill Crushing Devices and Pill Swallowing Gels for Use in Health Care Settings - [link](#)
- Codeine for Acute Pain: A Synopsis of the Evidence - [link](#)
- About Optimal Use program - [link](#)

Council for International Organizations of Medical Sciences (CIOMS)

- CIOMS Pharmacovigilance Cumulative Glossary ([Version 1.1](#)) 10 June 2021

electronic Medicines Compendium (eMC) (UK)

- New products
- Ascorbic Acid Pascoe 150 mg/ml Concentrate for solution for injection / infusion for treatment of clinical vitamin C deficiency states not amenable to dietary supply or oral replacement therapy in adults - [link](#)

European Medicines Agency (EMA)

- recommends granting a conditional marketing authorisation in the EU for idecabtagene vicleucel (Abecma) for relapsed and refractory multiple myeloma - [link](#)
- CHMP meeting highlights [June 2021](#) - Eight new medicines recommended for approval including:
 - [Abiraterone](#) Mylan - generic, bioequivalent to Zytiga - for metastatic prostate cancer
 - bimekizumab ([Bimzelx](#)) for moderate to severe plaque psoriasis
 - fingolimod Mylan - generic, bioequivalent to Gilenya - for relapsing-remitting multiple sclerosis with high disease activity
 - ranibizumab ([Byooviz](#)) – biosimilar to Lucentis - for various ocular conditions
 - roxadustat ([Evrenzo](#)) for the anaemia symptoms in patients with chronic kidney disease
 - tafasitamab ([Minjuvi](#)) for relapsed or refractory diffuse large B-cell lymphoma (DLBCL)
 - vosoritide ([Voxzogo](#)) for achondroplasia in patients aged 2 years
 - and six license extensions including:
 - dapagliflozin (Edistride , Forxiga) for chronic kidney disease
 - migalastat (Galafold) for adolescents aged 12 years and older with a confirmed diagnosis of Fabry disease (α -galactosidase A deficiency) and who have an amenable mutation
 - nivolumab (Opdivo) for oesophageal or gastro-oesophageal junction cancer
 - tofacitinib (Xeljanz) for active polyarticular juvenile idiopathic arthritis and juvenile psoriatic arthritis
 - upadacitinib (Rinvoq) for moderate to severe atopic dermatitis

MIMS monthly [updates](#) – July 2021

- New Products:
 - Trifarotene (Aklief) for topical treatment of acne vulgaris of the face and/or trunk in patients \geq 12 years, when many comedones, papules and/or pustules are present. Aklief is contraindicated in pregnancy and women planning a pregnancy.
- New Indications:
 - Ceftazidime (pentahydrate)/avibactam (sodium) (Zavicefta) now indicated for the following infections in infants and paediatric patients (\geq 3 months to $<$ 18 years): complicated intra-abdominal infection in combination with metronidazole, and complicated urinary tract infection including pyelonephritis.
 - Encorafenib (Braftovi), in combination with cetuximab, now indicated for adults who have metastatic colorectal cancer with a BRAF V600E mutation as detected by a validated test, and who have received prior systemic therapy.
 - Ferric carboxymaltose (Ferinject) now indicated for iron deficiency when there is a clinical need to deliver iron rapidly.
 - Fluticasone furoate/umeclidinium (bromide)/vilanterol (trifenatate) (Trelegy Ellipta) now indicated for the maintenance treatment of asthma in adults who are not adequately controlled with a combination of an inhaled corticosteroid and a long-acting β 2-agonist.

- Nivolumab (rch) (Opdivo), in combination with ipilimumab (rch) (Yervoy), now indicated for the first-line treatment of patients with unresectable malignant pleural mesothelioma.
- Tezacaftor/ivacaftor and ivacaftor (Symdeko) now indicated for patients with cystic fibrosis aged 6 years and older who are homozygous for the F508del mutation or who have at least one mutation in the cystic fibrosis transmembrane conductance regulator gene that is responsive to tezacaftor/ivacaftor based on in vitro data and/or clinical evidence.

National Institute for Health and Clinical Excellence (NICE) UK

- Budesonide orodispersible tablet for inducing remission of eosinophilic oesophagitis [\[TA708\]](#)
- Pembrolizumab for untreated metastatic colorectal cancer with high microsatellite instability or mismatch repair deficiency [\[TA709\]](#)
- Ravulizumab for treating atypical haemolytic uraemic syndrome [\[TA710\]](#)
- Guselkumab for treating active psoriatic arthritis after inadequate response to DMARDs [\[TA711\]](#)
- Acne vulgaris: management [\[NG198\]](#)

World Health Organisation (WHO)

- Global report on Artificial Intelligence (AI) in health and six guiding principles for its design and use - [link](#)
- Catalogue of mutations in Mycobacterium tuberculosis complex and their association with drug resistance - [link](#)
- Global guidance for country validation of viral hepatitis B and C elimination - [link](#)
- Update of the “Consolidated Guidelines on HIV, Hepatitis and STI prevention, diagnosis, treatment and care for key populations” - [link](#)

MEDICATION SAFETY

British National Formulary (BNF) newsletter – [June 2021](#)

- Dose changes (BNF and BNF for Children): amiodarone, budesonide (microscopic colitis), glucose (hypoglycaemia), naloxone (acute opioid overdose)
- Updated breast feeding advice: esomeprazole, lansoprazole, pantoprazole, rabeprazole
- Updated guidance: hypoglycaemia polycystic ovary syndrome, immune thrombocytopenic purpura
- MHRA advice on:
 - Atezolizumab (Tecentriq®▼): risk of severe cutaneous adverse reactions
 - Polyethylene glycol (PEG) laxatives and starch-based thickeners: potential interactive effect when mixed, leading to an increased risk of aspiration
 - Tofacitinib (Xeljanz®▼): initial clinical trial results of increased risk of major adverse cardiovascular events and malignancies (excluding NMSC) with use of tofacitinib relative to TNF-alpha inhibitors

electronic Medicines Compendium (eMC) (UK)

- Revised SPCs
 - Arimidex ([anastrozole](#)) - addition of depression as very common adverse drug reaction.
 - Cresemba ([isavuconazonium](#) sulfate) – potential interaction between isavuconazole and protease inhibitors mediated by CYP3A4/5 inhibition - careful monitoring needed for drug toxicity/lack of anti-viral effect. Peripheral oedema added as uncommon ADR for capsule formulation.
 - Epilim ([sodium valproate](#)) – notes that although the safety profile in paediatrics is comparable to adults, based on a limited number of post-marketing cases, Fanconi Syndrome, enuresis and gingival hyperplasia have been reported more frequently in paediatric patients than in adult patients.
 - Etrivex ([clobetasol](#)) Shampoo- warns of cases of osteonecrosis ,serious infections and systemic immunosuppression with long-term use beyond recommended doses and advises considering use of a less potent corticosteroid preparation if treatment is required beyond 4 weeks.
 - Frisium (clobazam) - co-administration of cannabidiol with clobazam can elevate levels of N-desmethyloclobazam which may lead to increased ADR (somnolence and sedation), likely mediated by CYP2C19 inhibition. Dosage adjustment of clobazam may be necessary.
 - Instanyl ([fentanyl](#) citrate) nasal spray - updated to note opioids can cause sleep-related breathing disorders. Overdose symptoms also updated to note that cases of Cheyne Strokes respiration have been observed in cases of fentanyl overdose.

- [Mysimba](#) (naltrexone hydrochloride/bupropion hydrochloride) co-administration with digoxin may decrease plasma digoxin levels. Monitor levels and signs of toxicity on stopping. Lupus erythematosus added as possible adverse reaction (unknown frequency).
- Tenormin ([atenolol](#)) - addition of depression as ADR (unknown frequency).
- Rebrikel ([buprenorphine](#)) transdermal - updated to include caution for sleep-related breathing disorders with recommendation to decrease total opioid dosage in patients who present with CSA and application skin discoloration added as ADR.
- Zyban ([bupropion](#) hydrochloride) - updated to include aggravation of systemic lupus erythematosus syndrome and cutaneous lupus erythematosus as ADRs (unknown frequency).
- Educational Risk Minimization Materials:
 - [natalizumab](#) (Tysabri) - to help reduce risk associated with use in multiple sclerosis
 - [vedolizumab](#) (Entyvio) - to help reduce the risk associated with use in ulcerative colitis and Crohn's disease

ISMP

- Medication Safety Alert! July 1, 2021
- Leaving a Discontinued FentaNYL Infusion Attached to the Patient Leads to a Tragic Error - [link](#)
- Close calls – a sign of resilience or vulnerability? Odds are higher that vulnerabilities are reported
- Infection transmission risk with shared glucometers, fingerstick devices, and insulin pens
- Confusion with INPEN devices
- Mix-ups between KETALAR and ketorolac
- Confirm correct mg and mL dose based on product concentration supplied

Health Canada – MedEffect Notice

- CHAMPIX (varenicline) — Potential Risk Posed by Long-Term Exposure to Nitrosamine Impurity, N-nitrosovarenicline, Exceeding Acceptable Intake Limit - [link](#)
- Health Product InfoWatch [June 2021](#): Dopamine agonist withdrawal syndrome; Summary Safety Review: Kadcyła (trastuzumab emtansine) - [link](#)

Medicines and Healthcare products Regulatory Agency (MHRA) UK

- Temporary advice for management of oral retinoid medicines during the COVID-19 pandemic - [link](#)
- Public Assessment Report: safety of macrolide antibiotics in pregnancy: a review of the epidemiological evidence - [link](#)

MIMS monthly [updates](#) – July 2021

- New Contraindications:
 - Dolutegravir (sodium)/rilpivirine (HCl) (Juluca) and Dolutegravir (sodium)/abacavir (sulfate)/lamivudine (Triumeq): now contraindicated in combination with medicinal products with narrow therapeutic windows that are substrates of organic cation transporter 2 including, but not limited to, dofetilide, pilsicainide or fampridine.
 - Empagliflozin (Jardiance) and empagliflozin/linagliptin (Glyxambi) now contraindicated in patients with severe renal impairment (eGFR < 30 mL/min/1.73 m²), end-stage renal disease, and patients on dialysis; empagliflozin/metformin HCl (Jardiamet) is now contraindicated in patients with severe renal failure (CrCl < 30 mL/min).
 - Fluorouracil (DBL Fluorouracil Injection BP) now contraindicated in patients with known complete dihydropyrimidine dehydrogenase deficiency.
 - Ibuprofen/paracetamol (Mersynofen) now contraindicated in patients with unclarified blood-formation disturbances, cerebrovascular or other active bleeding, and in patients undergoing treatment of perioperative pain in the setting of coronary artery bypass surgery (CABG).

TGA

- Database of TGA listed medicine compliance review [results](#) – 15 outcomes published

PAPERS OF INTEREST

American Journal of Health-System Pharmacy (AJHP)

- Optimizing use of SGLT2 inhibitors and other evidence-based therapies to improve outcomes in patients with type 2 diabetes and chronic kidney disease: An opportunity for pharmacists - [link](#)

- Time between diagnosis and achievement of virologic suppression in people living with HIV - [link](#)
- A pharmacist-managed virtual consult service to improve tuberculosis screening - [link](#)

Annals of Internal Medicine

- Evidence-Based Prescribing and Polypharmacy for Patients with Heart Failure - [link](#)

Australian Health Review, Journal of the Australian Healthcare & Hospitals Association

- Understanding end-of-life care in Australian hospitals - [link](#)
- An evaluation of automated dispensing cabinets and inventory robots for centralised distribution of medication in an Australian hospital - [link](#)
- It's what's under the hood that counts: comparing therapeutic outcomes when using Australian versus UK-produced clinical materials in an Australian mental health program - [link](#)

British Journal of Clinical Pharmacology

- The association between hormonal contraceptive use and glaucoma in women of reproductive age - [link](#)
- Letter: The desperate searching for reliable and convenient criteria of haemodialysis in the lithium-poisoned patient - [link](#)
- Apixaban or enoxaparin: Which is better for thromboprophylaxis after total hip knee replacement arthroplasty in Indian patients? - [link](#)
- Prediction of maternal and fetal pharmacokinetics of indomethacin in pregnancy - [link](#)
- Model-informed precision dosing for alemtuzumab in pediatric and young adult patients undergoing allogeneic hematopoietic cell transplantation - [link](#)
- Current knowledge, challenges and innovations in developmental pharmacology: a combined c4c expert group and ESDPPP White paper - [link](#)
- Evaluation of the pharmacokinetics of pemigatinib in patients with impaired hepatic or renal function - [link](#)

British Journal of General Practice

- Oral ondansetron for paediatric gastroenteritis in primary care: a randomised controlled trial - [link](#)

BMJ Quality and Safety

- Investigating raised creatine kinase - [link](#)

Circulation

- Pravastatin versus Placebo in Pregnancies at High Risk of Term Preeclampsia - [link](#)

Cochrane

- Ivermectin treatment in humans for reducing malaria transmission - [link](#)
- Single versus combination intravenous anti-pseudomonal antibiotic therapy for people with cystic fibrosis - [link](#)

Diabetes Care

- Biochemical Urine Testing of Medication Adherence and Its Association with Clinical Markers in an Outpatient Population of Type 2 Diabetes Patients: Analysis in the DIAbetes and LifEstyle Cohort Twente (DIALECT) - [link](#)
- Glucagon-Like Peptide 1 Receptor Agonists and Chronic Lower Respiratory Disease Exacerbations Among Patients with Type 2 Diabetes - [link](#)

Drug and Therapeutics Bulletin

- What dose of folic acid to use with methotrexate in rheumatoid arthritis? - [link](#)
- [Editorial](#): Community pharmacy discharge medicines service: a step towards improved patient safety?

EClinicalMedicine

- Acute effects of dapagliflozin on renal oxygenation and perfusion in type 1 diabetes with albuminuria: A randomised, double-blind, placebo-controlled crossover trial - [link](#)

European Heart Journal

- Statin associated lower cancer risk and related mortality in patients with heart failure - [link](#)

European Journal of Hospital Pharmacy

- Effect of a pharmacist-led educational intervention on clinical outcomes: a randomised controlled study in patients with hypertension, type 2 diabetes and hypercholesterolaemia - [link](#)
- Effects of angiotensin II receptor blockers on serum potassium level and hyperkalemia risk: retrospective single-centre analysis - [link](#)
- Compliance with status epilepticus management protocol and effect on clinical outcomes in children with status epilepticus - [link](#)
- **Letter:** 'To crush or not to crush, that is the question!' An algorithm can help with the proper administration of solid oral medicines in patients where the oral route is compromised
- Epileptic convulsions probably induced by desloratadine: a case report - [link](#)

Internal Medicine Journal

- Prevalence of drug allergy in South Australia - [link](#)

JAMA

- Viewpoint: Progress in Pharmacotherapy for Obesity - [link](#)
- **Editorial:** Ranitidine and Risk of N-Nitrosodimethylamine (NDMA) Formation

JAMA Internal Medicine

- Comparative Effectiveness of Sodium-Glucose Cotransporter 2 Inhibitors vs Sulfonylureas in Patients With Type 2 Diabetes - [link](#) – [editor's note](#)

JAMA Oncology

- Prognosis of Patients with Early Breast Cancer Receiving 5 Years vs 2 Years of Adjuvant Bisphosphonate Treatment. A Phase 3 Randomized Clinical Trial - [link](#) - [editorial](#)

JAMA Pediatrics

- Temporal Trends in Opioid Prescribing Practices in Children, Adolescents, and Younger Adults in the US From 2006 to 2018 - [link](#)

Journal of Pharmacy Practice

- Obtaining the best possible medication history at hospital admission: description of a pharmacy technician-driven program to identify medication discrepancies – [link](#)

Journal of Pharmacy Practice and Research (JPPR)

- Standard of practice in infectious diseases for pharmacy services - [link](#)
- Stability of buffered benzylpenicillin and flucloxacillin for a paediatric outpatient parenteral antibiotic therapy service – [link](#)

Lancet

- Chlorhexidine plus alcohol versus povidone iodine plus alcohol, combined or not with innovative devices, for prevention of short-term peripheral venous catheter infection and failure (CLEAN 3 study): an investigator-initiated, open-label, single centre, randomised-controlled, two-by-two factorial trial - [link](#)
- Sphingosine 1-phosphate receptor modulators in multiple sclerosis and other conditions - [link](#)

Lancet Gastroenterology & Hepatology

- Non-steroidal anti-inflammatory drugs, intravenous fluids, pancreatic stents, or their combinations for the prevention of post-endoscopic retrograde cholangiopancreatography pancreatitis: a systematic review and network meta-analysis - [link](#)

Lancet Haematology

- Iron preparations for women of reproductive age with iron deficiency anaemia in pregnancy (FRIDA): a systematic review and network meta-analysis - [link](#)

Lancet HIV

- Long-term safety and efficacy of emtricitabine and tenofovir alafenamide vs emtricitabine and tenofovir disoproxil fumarate for HIV-1 pre-exposure prophylaxis: week 96 results from a randomised, double-blind, placebo-controlled, phase 3 trial - [link](#)

Lancet Oncology

- Updated recommendations regarding the management of older patients with breast cancer: a joint paper from the European Society of Breast Cancer Specialists (EUSOMA) and the International Society of Geriatric Oncology (SIOG) - [link](#)

Molecular Diversity Preservation International (MDPI) – Pharmacy Journal

- Role of the Pharmacist in Managing Treatment-Resistant Depression: A Focus on Ketamine - [link](#)

Medical Journal of Australia

- Opioid medication prescribing in Queensland, 1997–2018: a population study - [link](#)

- [Letter](#): Rapid detection, toxicosurveillance and public health response to stimulant adulteration with acetyl fentanyl

New England Journal of Medicine

- Azithromycin or Doxycycline for Asymptomatic Rectal Chlamydia trachomatis - [link](#)

- Cardiovascular and Renal Outcomes with Efpeglenatide in Type 2 Diabetes - [link](#)

- Review article: Cerebral Venous Thrombosis - [link](#)

Paediatric Drugs

- Interventions to reduce pediatric prescribing errors in professional healthcare settings: a systematic review of the last decade - [link](#)

Pharmacotherapy

- Hospitalizations for opioid-related overdose and timing of concurrent opioid and benzodiazepine use: A nested case-control study - [link](#)

- The association between urate-lowering therapies and treatment-related adverse events, liver damage, and major adverse cardiovascular events (MACE): A network meta-analysis of randomized trials - [link](#)

- Effectiveness of Sacubitril/Valsartan Versus Aldosterone Antagonists in Heart Failure with reduced Ejection Fraction: A Retrospective Cohort Study - [link](#)