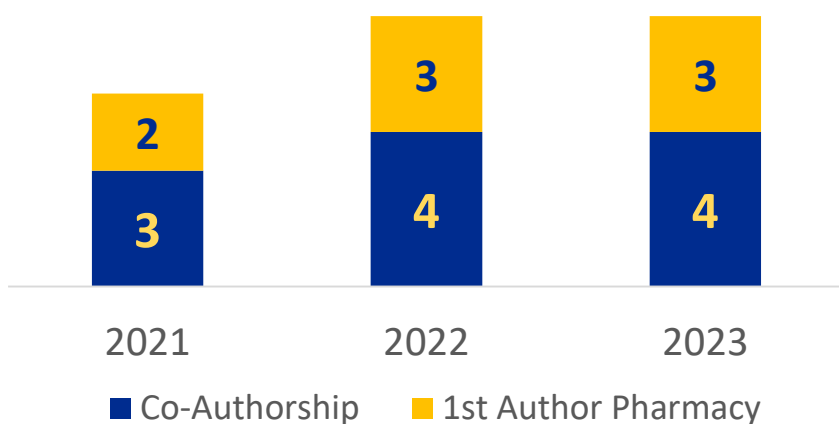
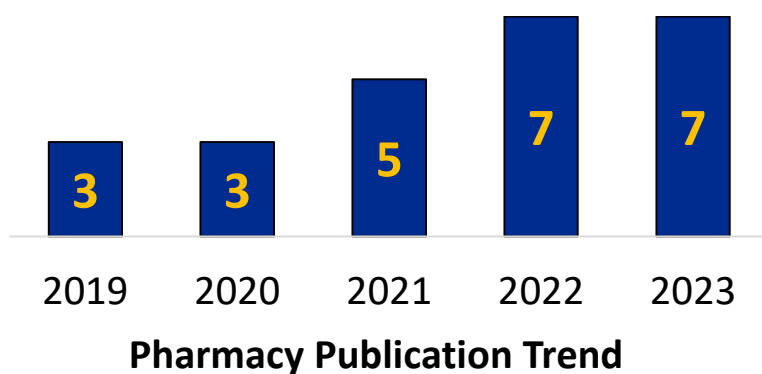


## 2023 Pharmacy Research Achievements

### Publications:

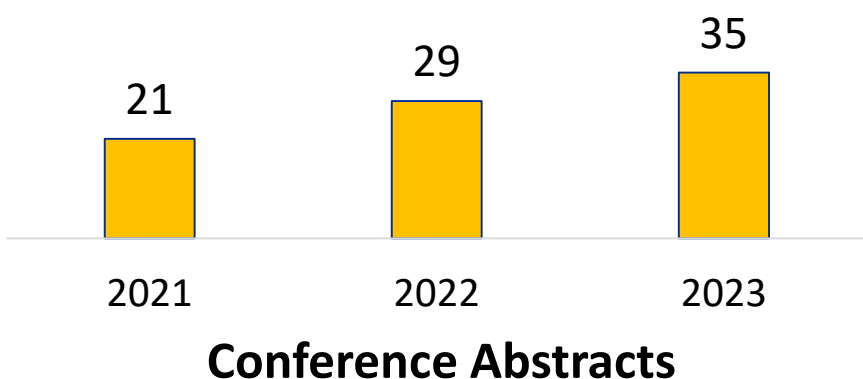
7 Journal Publications in 2023:



### 35 Successful Abstracts:

19 Accepted by the  
Medicines Management MM2023 Conference

4 Accepted by the  
Eastern Health Research Forum



### Core Research Outputs:



- 3 Undergraduate Research Projects
- 6 IFP Research Projects
- 6 Foundation Residency Projects
- 2 Advanced Residency Projects
- 4 Higher Qualification Research Projects

### Research Collaborators:

#### Universities:

- Monash University
- RMIT University
- University of Tasmania
- University of Queensland



#### Eastern Health Departments:

- Office of Research and Ethics
- Eastern Health Clinical School
- Mental Health Program
- Emergency Department
- Cancer Services
- Gastroenterology Department
- General Medicine Unit
- Anaesthesia & Pain Medicine
- Renal Medicine



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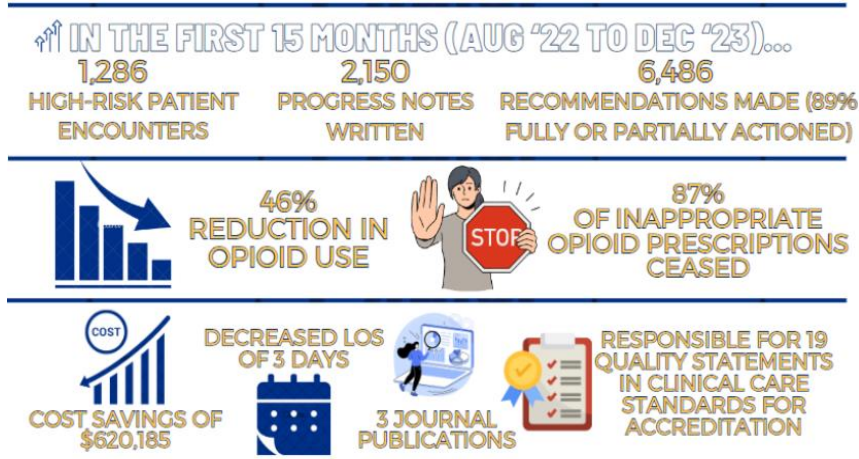
## 2023 Pharmacy Research Achievements

### 2023 Flagship Project

Analgesic Stewardship (AGS) 2023 publications:

- [Szmerling J, Maleki S, Mar G, Goulopoulos A](#). Cultivating optimal analgesic prescribing practices in a metropolitan hospital network: evaluating an analgesic stewardship program. *J Pharm Pract Res*. 2023
- [Maleki S, Szmerling J, Thiruvassagan M, Seah G, Gu G](#). Pharmacist ambulatory pain services for a chronic non-cancer pain clinic: a descriptive study. *J Pharm Pract Res*. 2023 Oct;53(5):241-7.

Service impact infographics:



### PPRG members 2023

|                  |   |
|------------------|---|
| Sam Maleki       | Senior Pharmacist Translational Research (Chair)                  |
| Cathy Ngo        | Mental Health Pharmacist Educator & EH Research Fellow            |
| Jeremy Szmerling | Analgesic Stewardship Service Pharmacist                          |
| Geoffrey Haar    | Senior Pharmacist Gastroenterology                                |
| Stella Koo       | Senior Medicines Information Pharmacist & Clinical Lead AH/PJC/WH |
| Jenny Chen       | Senior Pharmacist Education & Training                            |
| Darshana Meanger | Senior Pharmacist General Medicine                                |
| Sarah Fussell    | Senior Pharmacist Critical Care                                   |
| Violet Zhu       | Senior Pharmacist Emergency Services                              |
| Carolyn Wong     | Senior Pharmacist Mental Health                                   |
| Anne Goulopoulos | Program Director Pharmacy   |
| David Taylor     | Director of Research and University Relations                     |
| Mazdak Zamani    | APD Pharmacy-AH/PJC/WH -Quality Use of Medicine                   |
| Kayin Chan       | APD Pharmacy-MH/YRH/HVH -Operations                               |
| Galahad Gu       | APD Pharmacy-Box Hill Hospital -Clinical Services                 |

### Major projects continuing in 2023

**The effect of an extended-hours emergency department clinical pharmacy service on admission medication prescribing errors**

Principal Investigator: Sam Maleki

Associate Investigators: Galahad Gu, A/Prof Paul Buntine, Dr Mazdak Zamani, Violet Zhu, Kayin Chan, Dr Catherine Martin & Anne Goulopoulos

**Patient-centred approach to optimise cancer patients understanding of complex medication labels**

Principal Investigator: Jessica Tan

Associate Investigator: Bonnie Jongue, Sam Maleki Josephine Foo & Galahad Gu

**12-months evaluation of the AGS program's impact on prescribing practices in a metropolitan hospital network**

Principal Investigator: Jeremy Szmerling

Associate Investigator: Sam Maleki, Galahad Gu, Dr Gordon Mar & Anne Goulopoulos

**Forget-me-not: engaging patients, carers and General Practitioners to review antipsychotics used for delirium and dementia after hospital discharge**

Principal Investigator: Cathy Ngo

Associate Investigator: Stephanie Gibson, Hiba Ali, Dr Gary Yip, Dr Mahesan Anpalahan, Dr Rohith Valsalan & Dr Ken Teo

**Implementation of hospital electronic medical records patient friendly medication lists and interim medication administration charts**

Principal Investigator: Paul Wembridge

Associate Investigator: Saly Rashed, Nick Monypenny & Hamish Rodda

**Space to grow: Telehealth pharmacist clinic services: a survey study of patient experience and satisfaction**

Principal Investigator: Wei Mann Chew

Associate Investigator: Elfie Leung, Dr Iftah Amith, Sarah Duell-Tanti, Dr Thong Le & Michael Pitkin

### Paper of the year 2023

The 2023 pharmacy publication of the year has been awarded to, Ms Sarah Fussell:

[Fussell, S.E., Butler, E.,](#) Curtain, C.M., Bowe, S.J., Roberts, M.A. and Lawlor, L.N. Improving the accuracy of discharge medication documentation in people with kidney disease through pharmacist-led partnered prescribing. *Intern Med J*. 2023; 53: 2102-2110. <https://doi.org/10.1111/imj.15979>

Sarah's paper aimed to determine if pharmacist-led partnered prescribing (PPP) on discharge for patients with kidney disease could reduce errors in documentation of medications in discharge prescriptions and discharge summaries, compared to medical prescribing (MP).

The interventional 2-phase study compared the current workflow of the doctor initiating the discharge prescription (MP) to the subsequent implementation of PPP. Data was collected from 185 patients (95 in MP phase and 90 in PPP phase). Discharge prescriptions with at least one error reduced from 75.8% in the MP phase to 6.7% in the PPP phase ( $P < 0.001$ ). Discharge summaries with at least one error reduced from 53% in the MP phase to 24% in the PPP phase ( $P < 0.001$ ). The most common error category in both phases of the discharge prescription and discharge summary was 'omitted medication'.

Sarah's project showed that the PPP workflow significantly reduced errors in the documentation of discharge medications in both the discharge prescription and the discharge summary.

Sarah also presented these findings at Medicine Management (MM2023) conference.

## 2023 Pharmacy Research Achievements

The Pharmacy Department at EH published seven papers in 2023; including three with pharmacy as first author:

1. **Fussell, S.E., Butler, E.,** Curtain, C.M., Bowe, S.J., Roberts, M.A. and Lawlor, L.N. Improving the accuracy of discharge medication documentation in people with kidney disease through pharmacist-led partnered prescribing. *Intern Med J.* 2023; 53: 2102-2110. <https://doi.org/10.1111/imj.15979>
2. **Maleki, S., Smerling, J., Thiruvassagan, M.,** Seah, G. and Gu, G. Pharmacist ambulatory pain services for a chronic non-cancer pain clinic: a descriptive study. *J Pharm Pract Res.* 2023; 53: 241-247. <https://doi.org/10.1002/jppr.1875>
3. **Wembridge, P., Ngo, C.,** Tran, T.H.T. and Ivar, M.P. Evaluating pharmacy high-needs criteria: a tool for identifying inpatients at risk of medication-related problems. *J Pharm Pract Res.* 2023; 53: 91-95. <https://doi.org/10.1002/jppr.1845>
4. Elliott RA, Taylor SE, **Koo SMK,** Nguyen AD, Liu E, Loh G. Accuracy of medication histories derived from an Australian cloud-based repository of prescribed and dispensed medication records. *Intern Med J.* 2023;53(6):1002-1009. <https://doi:10.1111/imj.15857>
5. Mahera M, Rodda H, Monypenny N, **Wembridge P.** Evaluating an implementation of the Australian National Guidelines for the On-Screen Display of Discharge Summaries. *Aust Health Rev.* 2023;47(5):535-544. <https://doi:10.1071/AH22248>
6. Milton, A. C., Mengesha, Z., Ballesteros, K., McClean, T., Hartog, S., Bray-Rudkin, L., **Ngo, C.,** & Hickie. Supporting Children's Social Connection and Well-Being in School-Age Care: Mixed Methods Evaluation of the Connect, Promote, and Protect Program. *JMIR Pediatr Parent.* 2023;6:e44928. <https://doi:10.2196/44928>
7. Rukshar K. Gobarani, Gregory R. Weeks, Michael J. Abramson, Billie Bonevski, Eldho Paul, Ashley Webb, Sue Kirsas, Brian J. Smith, Dennis Thomas, Sharmilla Perinpanathan, Jacqueline Parkinson, **Darshana Meanger,** Lisa Coward, **Olivia Rofe,** **Paula Lee,** Johnson George. Which smokers enrol in a hospital based smoking cessation trial? Survey of smoking related behaviors, quit attempts, and motivation to quit. *Health Promot J Austral.* 2023; 34(2): 420-428. <https://doi.org/10.1002/hpja.658>

### Oral presentations:

IMPLEMENTATION OF HOSPITAL ELECTRONIC MEDICAL RECORD PATIENT FRIENDLY MEDICATION LISTS AND INTERIM MEDICATION ADMINISTRATION CHARTS

Medicines Management 2023 - 47th National Conference of the Society of Hospital Pharmacists of Australia  
2023-11-03 | Contribute paper  
Contributors: **Paul Wembridge,** Saly Rashed, Nick Monypenny, Hamish Rodda

SPACE TO GROW: TELEHEALTH PHARMACIST CLINIC SERVICES: A SURVEY STUDY OF PATIENT EXPERIENCE AND SATISFACTION

Medicines Management 2023 - 47th National Conference of the Society of Hospital Pharmacists of Australia  
2023-11-03 | Contribute paper  
Contributors: **Wei Mann Chew,** Elfie Leung

PATIENT-CENTRED APPROACH TO OPTIMISE CANCER PATIENTS UNDERSTANDING OF COMPLEX MEDICATION LABELS

North Eastern Melbourne Integrated Cancer Service (NEMICS) Annual Forum  
2023-12-1 | Contribute paper  
Contributors: Bonnie Jongue, Jess Tan, **Sam Maleki,** Josephine Foo

HEPATITIS C VIRUS SCREENING IN PEOPLE WHO ACCESS PUBLIC MENTAL HEALTH SERVICES

The 43rd Annual Society for Mental Health Research (SMHR) Conference  
2023-11-29 | Oral Presentation  
Contributors: **Cathy Ngo,** Judy Hope, Rohit Sawhney, Stephen Bloom, Geoffrey Haar, Andrew Duan

PRESCRIBING COMPLIANCE OF 'PRO RE NATA' (PRN) PSYCHOTROPIC MEDICATIONS TO MENTAL HEALTH QUALITY USE OF MEDICINES (QUM) INDICATOR 7.1: A PRE- AND POST-INTERVENTION AUDIT

2023 Eastern Health Mental Health Research Forum  
2023-11-29 | Oral Presentation  
Contributors: **Sagar Sareen,** Carolyne Wong

EVALUATION OF A NEW CLINICAL PHARMACY SERVICE FOR AMBULATORY PAIN MANAGEMENT CLINICS

2023 Eastern Health Research Forum  
2023-11-29 | Oral Presentation  
Contributors: **Sam Maleki,** Jeremy Smerling, Mahisha Thiruvassagan, Gloria Seah, Galahad Gu

### Recognition & Awards:

Eastern Health Pharmacy Department was the award recipient at the NEMICS 2023 Annual Forum.

**Project title:** Patient-centred approach to optimise cancer patients understanding of complex medication labels

**Contributors:** Jessica Tan, Bonnie Jongue, Sam Maleki Josephine Foo & Galahad Gu



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