

Publication List

Updated June 2022

COVID-19 Insight Series – Whitepaper

In partnership with PHNs, POLAR has produced a series of papers examining the impact of the pandemic on general practice activity. While not intended for publication in its current form, the [papers](#) present a crucial and near real-time view of the general practice perspective during the pandemic.

- 1. Telehealth use in patients with type 2 diabetes in Australian general practice during the COVID-19 pandemic: a retrospective cohort study**
Chisato Imai, Judith Thomas, Rae-Anne Hardie, Christopher Pearce, Tony Badrick, Andrew Georgiou BJGP Open 31 May 2022; BJGPO.2021.0200. DOI: 10.3399/BJGPO.2021.0200
- 2. Haas R, Busija L, Gorelik A, et al**
Patterns of care for people presenting to Australian general practice with musculoskeletal complaints based on routinely collected data: protocol for an observational cohort study using the Population Level Analysis and Reporting (POLAR) database
BMJ Open 2021;11:e055528. doi: 10.1136/bmjopen-2021-055528
- 3. Andrew Georgiou, Julie Li, Christopher Pearce, Adam McLeod et al.** COVID-19 – Protocol for Observational Studies Utilising Near Real-Time Electronic Australian General Practice Data to Promote Effective Care and Best-Practice Policy – A Design Thinking Approach, 13 January 2021, PREPRINT (Version 1) available at Research Square [https://doi.org/10.21203/rs.3.rs-142622/v1]
- 4. Christopher Pearce, Adam McLeod, Natalie Rinehart, Anna Fragkoudi.** Clinical Artificial Intelligence - Technology Application or Change Management. Chapter 8, pp163, in Reddy S, Artificial Intelligence, Applications in Healthcare Delivery.2021
- 5. Franco, G.S., Hardie, R.-A., Li, L., Imai, C., Sezgin, G., Li, J., McLeod, A., Pearce, C. and Georgiou, A.** (2021), Prostate-specific antigen testing of asymptomatic men in Australia: an observational study based on electronic general practice data. Med J Aust. https://doi.org/10.5694/mja2.51147
- 6. Sezgin G, Li L, Westbrook J, Wearne E, Azar D, McLeod A, Pearce C, Ignjatovic V, Monagle P, Georgiou A.** Influence of serum iron test results on the diagnosis of iron deficiency in children: a retrospective observational study. BMJ Open. 2021 Jul 5;11(7):e046865. doi: 10.1136/bmjopen-2020-046865. PMID: 34226221; PMCID: PMC8258555.
- 7. Khalil H, Garrett M, Byrne A, Poon P, Gardner K, Azar D, Craig L, Karimi L.** Mapping end-of-life and anticipatory medications in palliative care patients using a longitudinal general practice database. Palliat Support Care. 2021 Mar 10:1-7. doi: 10.1017/S1478951521000092. Epub ahead of print. PMID: 33750494.

8. **Correll P, Feyer A-M, Phan P-T, et al.** Lumos: a statewide linkage programme in Australia integrating general practice data to guide system redesign. *Integrated Healthcare Journal* 2021; 3:e000074. doi:10.1136/ihj-2021-000074
9. **Wabe N, Thomas J, Hardie R-A, Dai Z, Imai C, Sezgin G, Li J, Georgiou A.** Changes in medication prescribing in general practice during the COVID-19 pandemic. *General Practice Snapshot. Issue 6: 12 May 2021.* Sydney: Macquarie University. <https://doi.org/10.25949/zpw2-wj80>
10. **Imai C, Hardie R-A, Thomas J, Wabe N, Georgiou A.** The impact of the COVID-19 pandemic on general practice-based HbA1c monitoring in type 2 diabetes. *General Practice Snapshot. Issue 5: 31 March 2021.* Sydney: Macquarie University. <https://doi.org/10.25949/Q9BE-BJ06>
11. **Dai Z, Franco G S, Datta S, McGuire P, Li J and Georgiou A.** The impact of the COVID-19 pandemic on general practice consultations in residential aged care facilities. *General Practice Snapshot. Issue 4: 31 March 2021.* Sydney: Macquarie University. <https://doi.org/10.25949/71JM-QG60>
12. **Imai C, Li L, Hardie RA, Georgiou A.** Adherence to guideline-recommended HbA1c testing frequency and better outcomes in patients with type 2 diabetes: a 5-year retrospective cohort study in Australian general practice. *BMJ Qual Saf.* 2021 Feb 4; bmjqs-2020-012026. doi: 10.1136/bmjqs-2020-012026. Epub ahead of print. PMID: 33542066.
13. **Imai C, Thomas J, Hardie R-A, Badrick T, Georgiou A.** The impact of the COVID-19 pandemic on pathology testing in general practice. *General Practice Snapshot. Issue 3: 12 February 2021.* Sydney: Macquarie University. <https://doi.org/10.25949/ZX36-8S49>
14. **Hardie R-A, Sezgin G, Dai Z, Wabe N, Georgiou A.** Socioeconomic and demographic comparisons in the uptake of telehealth services during COVID-19. *COVID-19 General Practice Snapshot. Issue 2: 22 January 2021.* Sydney: Macquarie University; 2021. <https://doi.org/10.25949/YYH4-3T30>
15. **Mesfin Y, Cheng A, Enticott J, Lawrie J, Buttery J** Post-vaccination healthcare attendance rate as a proxy measure for syndromic surveillance of adverse events following immunisation. *Aust NZ J Public Health.* 2021; Online; doi: 10.1111/1753-6405.13052
16. **Hardie R-A, Sezgin G, Dai Z, Georgiou A.** The uptake of GP telehealth services during the COVID-19 pandemic. *COVID-19 General Practice Snapshot. Issue 1: 2 December 2020.* Sydney: Macquarie University; 2020. <https://doi.org/10.25949/C3HE-F430>
17. **Imai C, Hardie R, Franco G, Sezgin G, Tepper T, McLeod A, Pearce C, Westbrook J, Georgiou A.** Harnessing the potential of electronic general practice pathology data in Australia: An examination of the quality use of pathology for type 2 diabetes patients. *International Journal of Medical Informatics.* Volume 141, 2020, 104189.

18. **Pearce CM, McLeod A, Rinehart N, Ferrigi J, Shearer M.** What a Comprehensive, Integrated Data Strategy Looks Like: The Population Level Analysis and Reporting (POLAR) Program. *Stud Health Technol Inform.* 2019 Aug 21;264:303–7.
19. **Pearce CM, McLeod A, Patrick J, Ferrigi J, Bainbridge MM, Rinehart N, et al.** Coding and classifying GP data: the POLAR project. *BMJ Health Care Inform.* 2019 Nov;26(1).
20. **Pearce CM, McLeod A, Rinehart N, Whyte R, Deveny E, Shearer M.** Artificial Intelligence and the Clinical World, a view from the front line. *Med J Aust* 2019.
21. **Pearce C, McLeod A, Rinehart N, Patrick J, Fragkoudi A, Ferrigi J, et al.** POLAR Diversion: Using General Practice Data to Calculate Risk of Emergency Department Presentation at the Time of Consultation. *Applied clinical informatics.* 2019;10(1):151-7
22. **Yan J, Hawes L, Turner LR, Mazza D, Pearce C, Buttery J.** Antimicrobial prescribing for children in primary care. *J Paediatr Child Health.* 2018 Jul 24.
23. **Sezgin G, Georgiou A, Hardie RA, Li L, Pont LG, Badrick T, Franco GS, Westbrook JI, Rinehart N, McLeod A, Pearce C, Shearer M, Whyte R, Deveny E.** Compliance with pathology testing guidelines in Australian general practice: protocol for a secondary analysis of electronic health record data. *BMJ Open.* 2018 Nov 13;8(11):e024223. doi: 10.1136/bmjopen-2018-024223. PMID: 30429148; PMCID: PMC6252775.
24. **Turner LR, Pearce CM, Borg M, McLeod A, Shearer M, Mazza D** Characteristics of patients presenting to an after-hours clinic: results of a MAGNET analysis. *Australian Journal of Primary Health.* 2017 Jul;23(3):294–9.
25. **Turner LR, Cicuttini F, Pearce C, Mazza D** Cardiovascular disease screening in general practice: General practitioner recording of common risk factors. *Prev Med.* 2017;99:282-5
26. **Mazza D, Pearce C, Joe A, Turner LR, Brijnath B, Browning C et al.** Emergency department utilisation by older people in metropolitan Melbourne, 2008/12: findings from the Reducing Older Patient. *Aust Health Rev.* 2017.
27. **Pearce CM, McLeod A, Patrick J, Boyle D, Shearer M, Eustace P et al.** Using Patient Flow Information to Determine Risk of Hospital Presentation: Protocol for a Proof-of-Concept Study. *JMIR Res Protoc.* 2016 Dec 20;5(4):e241.
28. **Liaw ST, Powell-Davies G, Pearce C, Britt H, McGlynn L Harris MF.** Optimising the use of observational electronic health record data: Current issues, evolving opportunities, strategies and scope for collaboration. *Aust Fam Physician.* 2016;45(3):153-6.
29. **Mazza D, Pearce C, Turner LR, De Leon-Santiago M, McLeod A, Ferrigi J et al.** The Melbourne East Monash General Practice Database (MAGNET): Using data from computerised medical records to create a platform for primary care and health services research. *J Innov Health Inform.* 2016;23(2):181.
30. **Joe A, Lowthian JA, Shearer M, Turner LR, Brijnath B, Pearce C et al.** After-hours medical deputising services: patterns of use by older people. *Med J Aust.* 2016;205(9):397-402.

31. **Pearce CM, Bartlett J, McLeod A, Eustace P, Amos R, Shearer M** Effectiveness of local support for the adoption of a national programme--a descriptive study. *Informatics in primary care*. 2014;21(4):171-8.
32. **Liaw ST, Pearce CM, Liyanage H, Liaw GSS, de Lusignan S** An integrated organisation-wide data quality management and information governance framework: theoretical underpinnings. *Informatics in primary care*. 2014;21(4):199-206.
33. **Gardner K, Mazza D** Quality in general practice: Definitions and frameworks. *Australian Family Physician*. 2012;41(3):151-154
34. **Pearce CM, Shearer M, Gardner K, Kelly J, Xu TB** GP Networks as enablers of quality of care: implementing a practice engagement framework in a General Practice Network. *Australian Journal of Primary Health*. 2012;18(2):101-4.
35. **Pearce CM, Shearer M, Gardner K, Kelly J** A division's worth of data. 2011 Mar;40(3):167-70.
36. **McLeod A, Shearer M, Taylor M**. How to use a case manager-A partnership approach January 2009 *Australian Family Physician* 34(1-2):69-71· McLeod A, Shearer M, Taylor M. How to use a case manager-A partnership approach January 2009 *Australian Family Physician* 34(1-2):69-71