

Publication List

Updated January 2023

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. **Oliver, S, Douglas, J, Winkler, D, et al.** The healthcare needs and general practice utilization of people with acquired neurological disability and complex needs: a scoping review. *Health Expect.* 2022; 1- 20. doi:10.1111/hex.13640
2. **Dai, Z., Sezgin, G., Hardie, R. A., McGuire, P., Pearce, C., McLeod, A., & Georgiou, A.** (2023). Sociodemographic determinants of telehealth utilisation in general practice during the COVID-19 pandemic in Australia. *Internal medicine journal*, 10.1111/imj.16006. Advance online publication. <https://doi.org/10.1111/imj.16006>
3. **Thomas J, Imai C, Sezgin G, Hardie R, Weeding S, Pearce C, McLeod A, McGuire P, Datta S, Li J, Wabe N, Franco G S., Dai Z, de Mel G, Gault E, Sheikh MK, Georgiou A.** (2022) A framework for conducting policy-relevant primary care research: a COVID-19 case study in Australia. *Australian Journal of Primary Health* <https://doi.org/10.1071/PY22174>
4. **Hardie R, Thomas J, Li J, Pearce C, Georgiou A.** General practice perspective on the use of telehealth during the COVID-19 pandemic in Australia using an Action Research approach: a qualitative study *BMJ Open* 2022;12:e063179. doi: 10.1136/bmjopen-2022-063179
5. **Imai C, Amin J, Prgomet M, Pearce C, Georgiou A** An Increase in Antibiotic Prescribing for Respiratory Tract Infections Through Telehealth Consultations: Retrospective Study in Australian General Practice *J Med Internet Res* 2022;24(10):e40876 DOI: 10.2196/40876
6. **Chisato Imai, Judith Thomas, Rae-Anne Hardie, Christopher Pearce, Tony Badrick, Andrew Georgiou** Telehealth use in patients with type 2 diabetes in Australian general practice during the COVID-19 pandemic: a retrospective cohort study *BJGP Open* 31 May 2022; BJGPO.2021.0200. DOI: 10.3399/BJGPO.2021.0200
7. **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
8. **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>]

9. **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
10. **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>
11. **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.
12. **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.
13. **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
14. **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>
15. **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>
16. **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>
17. **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.
18. **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>

19. **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>
20. **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
21. **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>
22. **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.
23. **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.
24. **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).
25. **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.
26. **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
27. **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.
28. **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.
29. **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.
30. **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
31. **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.

32. **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.
33. **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.
34. **Mazza D, Pearce C, Turner LR, De Leon-Santiago M, McLeod A, Ferriggi 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.
35. **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.
36. **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.
37. **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.
38. **Gardner K, Mazza D** Quality in general practice: Definitions and frameworks. *Australian Family Physician*. 2012;41(3):151-154
39. **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.
40. **Pearce CM, Shearer M, Gardner K, Kelly J** A division's worth of data. 2011 Mar;40(3):167-70.
41. **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