

Delivering equitable pain care: Lessons from the Scottish Service Model for Chronic Pain

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In this editorial, we discuss the challenges of implementing pain care in a way that is relevant and accessible to the person with chronic pain, and also guided by research. We use the Scottish Service Model as an example of strategic delivery of pain care.

Chronic pain is a broad, heterogeneous category of conditions, recognised as either a primary condition, secondary condition associated with another condition such as rheumatoid arthritis or both.¹ Heterogeneity extends to biological, psychological and social aspects of the condition. Chronic pain is commonly experienced alongside other long-term conditions (multimorbidity).² It is also experienced unequally with higher severity and prevalence in racially minoritised groups, women, and with socioeconomic disadvantage.^{3–5} There is a high societal cost associated with impact on work, benefits claims and healthcare provision;^{6,7} therefore, getting pain care right matters to both the person with pain and to society as a whole. In our current context of rising health and social inequalities, and cost of living crisis, delivering pain care equitably should be a key consideration for strategic implementation.

Research-based guidelines for chronic pain conditions commonly include exercise, cognitive behavioural therapies and medications.^{8–10} In practice, however, pain care often begins with medication prescription, with potential escalation of this leading to concerning levels of opioid and other prescribing, especially prevalent in areas of deprivation within the UK.^{11,12} Experiences of pain care can seem disjointed and invalidating, with over reliance on medical approaches.^{13,14} While sometimes care may be *available*, it is not always *accessible* to the person with pain if they cannot travel to it, take time off work or away from caring responsibilities, perceive it as relevant, or access digital services. So how do we navigate the needed change from the focus on medical interventions, to research-based rehabilitative and multidisciplinary interventions? How do we shift the focus to long-term, quality of life and functional goals, and the way that these can be delivered accessibly?

In practice, exercise, cognitive behavioural therapies and pharmaceutical care are most effectively implemented in combination, over time, and may require input from a range of services and disciplines. Strategic implementation in a coherent way is important, and availability of care is the first step towards access. The Scottish Service Model for Chronic Pain¹⁵ shows how pain care is stratified at different levels within Scotland (Table 1), governance being different across the four UK nations.¹⁶

The strategic, Scottish Service Model has been built upon by the hard work of many colleagues in driving political change.¹⁵ However, there is still a lot of work to do in delivering equitable pain care and understanding unequal outcomes across Scotland. The recent Pain Management Framework implementation plan¹⁷ includes improved access to physiotherapy, pharmacy and occupational therapy in primary care. In addition to delivering specialist pain care to patients, another important role of specialist services and national networks is in providing guidance, education and support to these primary care staff groups. The framework plans offer a practical and strategic approach similar to the ideas expressed in the Lancet's recent 'rethinking chronic pain' editorial.¹⁸ Importantly in Scotland, services are not subject to competitive tendering contracts, as they are in England, with the Scottish Government and health boards retaining responsibility for these services, which we argue benefits the sustainable implementation of strategic care models.

The framework implementation plan aims to assess variation in services and to use examples of best practice to guide developments in Scotland. Equitable access to, and use of, services is an important aspect of this. Given higher severity and prevalence of chronic pain in areas

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Table 1. Scottish Service Model for Chronic Pain.**Population level**

The 'population' level is also referred to as 'self-management'^{7,15} which includes services which anyone can use, without referral. This may include leisure, healthy reading books in the library, third sector organisations (e.g. Pain Concern and Pain Association Scotland), websites for pain care and information leaflets in local pharmacies.

Primary care

Most patients receive care for chronic pain in primary care and this can include GPs, physiotherapists, pharmacists, occupational therapists and nurses. Prescribing data from 2002 suggests an estimated 4.6 million GP consultations a year are for pain.²⁹

Secondary care

Health boards were supported through a national steering group to employ multidisciplinary specialist chronic pain teams commonly including medical staff, psychology and physiotherapy, supporting the delivery of pain rehabilitation and a pain management programme.^{7,15} Health boards may also offer medical interventions at this level. Occupational therapy, pharmacy and nursing staff may also be employed this level, with scope for development here.

Tertiary care

Tertiary care in Scotland includes the national pain management programme and spinal cord stimulator service.⁷

of deprivation, we should expect higher utilisation of services in these areas. However, Moore et al.¹⁹ reported higher uptake for their group programme from more affluent areas in Glasgow. There is limited understanding of this aspect of service delivery across Scotland; collection of the Scottish Core minimum dataset²⁰ combined with analysis of demographics could be useful here.

Another important consideration, which is difficult to capture in a linear care model, is the idea that people living with chronic pain experience a non-linear 'journey' (or ecosystem),^{21,22} which includes experiences of care and service utilisation. Healthcare structures and pathways are usually designed by healthy people with their abilities, literacy and capacity in mind.²³ They don't always meet the needs of patients, particularly those affected by poverty and trauma, the effects of which can be experienced across generations. This is where trauma-informed care can play a role.²⁴ Scotland has made ambitious plans to make public services trauma-informed,²⁵ but it is unclear what impact these have had. We advocate approaches to healthcare professional education which emphasise the contextual, and biopsychosocial, nature of pain^{26,27} and the importance of relational continuity.²⁸

At a time when the NHS is under significant pressure, we would be ill advised to dismiss the role of ideology and strategic political decisions, or to take the NHS for granted. Political ideology led to the selection of an approach to competitive tendering of services, placing more responsibility on individuals – and providers – with less accountability on higher governance structures and we argue this threatens the sustainability of strategic, and equitable, pain care. In real life, the patient journey is often complex and requires to

take place within a supportive, caring and coherent system of care. While not perfect, the Scottish framework with focus on improving all levels of pain care, strategically, is a welcome development, with aims of improving availability of care; an excellent starting point from which to enhance equity.

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CM conceived the topic and wrote the first draft. All authors contributed to the conceptualisation of the piece, reviewed and edited the work. All authors reviewed and edited the manuscript and approved the final version of the manuscript.

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Ethical approval was not sought for the present study because this is an editorial.

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References

1. Treede R, Rief W, Barke A, et al. Chronic pain as a symptom or a disease: the IASP Classification of Chronic Pain for the International Classification of Diseases (ICD-11). *Pain* 2019; 160: 19–27.
2. Stannard S, Holland E, Crozier SR, et al. Early-onset burdensome multimorbidity: an exploratory analysis of sentinel conditions, condition accrual sequence and duration of three long-term conditions using the 1970 British Cohort Study. *BMJ Open* 2022; 12: e059587.
3. Fayaz A, Croft P, Langford RM, et al. Prevalence of chronic pain in the UK: a systematic review and meta-analysis of population studies. *BMJ Open* 2016; 6: e010364.
4. Prego-Domínguez J, Khazaiepour Z, Mallah N, et al. Socioeconomic status and occurrence of chronic pain: a meta-analysis. *Rheumatology* 2021; 60: 1091–1105.
5. Public Health England. *Chronic pain in adults 2017*. Health Survey for England. Department of Health and Social Care, 2020.
6. Breivik H, Eisenberg E and O'Brien T and OPEN-Minds. The individual and societal burden of chronic pain in Europe: the case for strategic prioritisation and action to improve knowledge and availability of appropriate care. *BMC Public Health* 2013; 13: 1229.
7. Mellor R. *Health care needs assessment of adult chronic pain services in Scotland*, 2018, <https://www.scotphn.net/projects/chronic-pain/introduction/> (accessed on 15th May 2023).
8. Macfarlane GJ, Kronisch C, Dean LE, et al. EULAR revised recommendations for the management of fibromyalgia. *Ann Rheum Dis* 2017; 76: 318–328.
9. National Institute for Clinical Excellence. *Chronic pain (primary and secondary) in over 16s: assessment of all chronic pain and management of chronic primary pain*, 2021, <https://www.nice.org.uk/guidance/ng193> (accessed on 18th May 2023).
10. Scottish Intercollegiate Guidelines Network. *SIGN 136. Management of chronic pain*. A national clinical guideline. Revised edition. 2019. <https://www.sign.ac.uk/our-guidelines/management-of-chronic-pain/>
11. Mordecai L, Reynolds C, Donaldson LJ, et al. Patterns of regional variation of opioid prescribing in primary care in England: a retrospective observational study. *Br J Gen Pract* 2018; 68: e225–e233.
12. Torrance N, Mansoor R, Wang H, et al. Association of opioid prescribing practices with chronic pain and benzodiazepine co-prescription: a primary care data linkage study. *Br J Anaesth* 2018; 120: 1345–1355.
13. Gordon K, Rice H, Allcock N, et al. Barriers to self-management of chronic pain in primary care: a qualitative focus group study. *Br J Gen Pract* 2017; 67: e209–e217.
14. Doebel S, Macfarlane GJ and Hollick RJ. No one wants to look after the fibro patient”. Understanding models, and patient perspectives, of care for fibromyalgia: reviews of current evidence. *Pain* 2020; 161: 1716–1725.
15. Gilbert S, Holdsworth L and Smith B. The Scottish model for chronic pain management services. *Br J Healthcare Management* 2014; 20: 568–577.
16. Faculty of Pain Medicine. *Core standards for pain management services in the UK*. 2nd edn. 2021, <https://www.britishpainsociety.org/static/uploads/resources/files/FPM-Core-Standards-2021.pdf> (accessed 18th May 2023).
17. Scottish Government. *Pain management - service delivery framework: implementation plan*, 2022, <https://www.gov.scot/publications/framework-pain-management-service-delivery-implementation-plan/> (accessed on 30th April 2023).
18. Lancet T. Rethinking chronic pain. *Lancet* 2021 29; 397(10289): 2023.
19. Moore FR, Williams L and Dunbar M. Sociodemographic predictors of attendance at a Scottish pain management programme. *Br J Pain* 2021; 15: 393–400.
20. Laskawska MS, Hébert HL, Richardson C, et al. The core minimum dataset for measuring pain outcomes in pain services across Scotland. Developing and testing a

- brief multi-dimensional questionnaire. *Br J Pain* 2022; 16: 504–517.
21. Macgregor C, Tulle E, Blane DN, et al. *An ecosystem of accepting life with chronic pain: a meta-ethnography*. [poster presented at North British Pain Association Meeting in Sept 2022]. 2022 <https://painconcern.org.uk/north-british-pain-association-autumn-scientific-meeting-2022-poster-prize-winner/> (accessed on 19th May 2023).
 22. Toye F, Belton J, Hannink E, et al. A healing journey with chronic pain: a meta-ethnography synthesizing 195 qualitative studies. *Pain Med* 2021; 22: 1333–1344.
 23. Dixon-Woods M, Cavers D, Agarwal S, et al. Conducting a critical interpretive synthesis of the literature on access to healthcare by vulnerable groups. *BMC Med Res Methodol* 2006; 6: 35.
 24. Gopal DP, Hunter M, Butler D, et al. Trauma-informed care: what does it mean for general practice *Br J Gen Pract* 2023; 73: 229–231.
 25. NHS Education Scotland and Scottish Government. *Scottish psychological trauma training plan*, 2019, <https://transformingpsychologicaltrauma.scot/media/5lvh0lsu/trauma-training-plan-final.pdf> (accessed on 9th Sept 2022).
 26. Carroll SP, Augeard N, Tennant J, et al. How do the attitudes, confidence, knowledge and understanding differ in pre-registration healthcare students towards treating people with chronic pain: an observational, cross-sectional study. *Eur J Physiother* 2021; 23: 311–318.
 27. Thompson K, Johnson MI, Milligan J, et al. Rethinking pain education from the perspectives of people experiencing pain: a meta-ethnography to inform physiotherapy training. *BM J Open* 2022; 12: e046363.
 28. Baker R, Freeman GK, Haggerty JL, et al. Primary medical care continuity and patient mortality: a systematic review. *Br J Gen Pract* 2020; 70: e600–e611.
 29. Belsey J. Primary care workload in the management of chronic pain. A retrospective cohort study using a GP database to identify resource implications for UK primary care. *J Med Econ* 2002; 5: 39–50.