Supporting Family Doctors to Green Clinical Care and Clinic Operations -A Scoping Review of Toolkits and Aids to Green Primary Care





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Introduction

The climate crisis is a healthcare crisis. Left unabated, worsening environmental health system provides care for. But healthcare also contributes globally to greenhouse gas production, an estimated 4%-7% of total national emissions in developed countries. Many healthcare organizations are committing to green policies, setting targets to support environmentally sustainable healthcare, but much of the focus to date has been on hospitals.

Context

There is a pressing need for healthcare to respond to the climate crisis. Family physicians, given their central role in community healthcare provision, are strategically placed to lead, support, and promote sustainable healthcare, yet 📃 🚈 guidance on how to do this is fragmented. Family doctors, 🥖 challenged by time and resources across most countries, need aids readily available.

Objective

To identify and evaluate toolkits and aids on sustainable healthcare to act as a curated resource for family physicians and their care teams interested in delivering evidence-based sustainable healthcare in their clinical practices (clinic operation and/or adaptation of clinical care).

Methods

A scoping review was completed of the published and grey literature across 4 databases and 2 search engines to identify articles and aids/toolkits from 1990 to present. The protocol is available on the Open Science Framework, osf.io/xp4t3. Toolkits were subsequently evaluated for evidence-base, implementation purpose, process, adaptability to family medicine, and outcome measures.

Results

The search identified 17,751 articles. Screening resulted in 20 published articles presented simple checklists to support greening clinic initiatives, 3 studies focused on partial carbon footprint analyses, and 4 on educational initiatives. Toolkits ranged in sustainability topics and degree of depth covered, and adaptability and outcome measures. None of the resources identified have been formally evaluated for effectiveness.

Table 1. Published Literature: Toolkits & Aids



Aim 🖓 🔫 Autho Describes the course creation Floss M and development and (2021) assesses impact of the PH MOOC. Brazil To determine if an environmental educationa Fogarty A program for general (2008) practitioners would lead to changes in sustainability Australia within their practice. To investigate the effectiveness of a primary Kay VA care health promotion project that addresses environmental (2020) sustainability and equity Australia within primary care partnerships (2, 3, 4, 9, 10) Survey to examine how successful action plans Nichols A reduce carbon emissions as (2011) created and delivered by primary care trusts (PCTs). UK PCTs were abolished in 2013 (2, 3, 8, 9, 10, 11)

Table 2. Published Literature: Interventions



Table 3. Toolkits Supporting Greening Clinical Care



Discussion

The literature identified covered a wide range of topics, with more emphasis placed on clinical operations than direct patient care. All the toolkits identified were free to use and accessible online, and their curation herein as a single resource we anticipate being beneficial for family physicians ready to transition to environmentally sustainable clinical care but without the time to identify resources at hand.

Our review also identified some shortcomings in the literature, including: • minimal guidance on how to implement change and address barriers to

- minimal capacity for estimating carbon footprinting of various processes and
- none of the resources have been evaluated for implementation or cost

A range of aids exist to support greening of clinic operations; however, there is a significant gap in the literature for greening clinical care. Two toolkits (leafed above) were found to be comprehensive, one requiring tracking and reporting of sustainability initiatives. This scoping review provides a starting point for motivated family doctors and community clinics to initiate change and support more environmentally conscious and sustainable healthcare.

Acknowledgements

Research Assistant funding came from the University of Calgary. Journal article Open Access funding was supported through the Primary Health Care Integration Network, Alberta Health Services.

Reference

Wicklum SC, Nuique K, Kelly MA, Nesbitt CC, Zhang JJ, Svrcek CP. Greening Family Medicine Clinic Operations and Clinical Care, where do we start? A Scoping Review of Toolkits and Aids. Family Pratice, 2022. https://doi.org/10.1093/fampra/cmad006.

