Framework for building primary care capacity to address the social determinants of health

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Abstract

Problem addressed Family physicians have long understood that social factors influence the health of individuals and communities; however, most primary care organizations have yet to develop the capacity to specifically address these social determinants of health (SDOH).

Objective of program To support SDOH interventions and foster an organizational culture in which addressing SDOH is considered part of high-quality primary care.

Program description An academic family health team in Toronto, Ont, established a committee comprising a diverse group of health professionals focused on the SDOH. The committee analyzes how social factors affect patients and supports the development and implementation of interventions. The committee’s current interventions include the following: collecting and analyzing detailed sociodemographic data to identify health inequities; launching an income security health promotion service; establishing a medical-legal partnership; implementing a child literacy program in its clinics; and developing an advocacy and service program to improve access to decent work. Each intervention includes a rigorous evaluation plan to assess implementation and effect. Next steps include developing tools to enable organizations to “move upstream” and adopt a health equity approach to all work, including joining in advocacy.

Conclusion Primary care providers are well situated to address SDOH. This article provides a framework that can assist every large primary care organization in establishing a similar committee dedicated to SDOH, which could help build a network across Canada to share lessons learned and support joint advocacy.

EDITOR’S KEY POINTS

• Several factors have led to resurgent interest in the social determinants of health (SDOH): a growing body of evidence explaining that social characteristics (eg, education, income) strongly predict who acquires various diseases, who dies of these diseases, and who dies prematurely from all causes; societies becoming more unequal in terms of SDOH; and health leaders recognizing that we cannot achieve health system goals without considering SDOH.

• The SDOH Committee at St Michael’s Academic Family Health Team is a good example of how to address SDOH within primary care. This committee oversees SDOH interventions that developed from a careful process of needs assessment, obtaining resources, and ensuring a fit between the intervention and the organization’s strategic plan.

• The authors’ framework illustrates how primary care organizations can intervene in SDOH. It explains how to use data sources to improve patient care, as well as to identify hot spots, where social disadvantage and poor health outcomes intersect.

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Plan d'action pour renforcer les capacités des établissements de soins primaires afin de tenir compte des déterminants sociaux de la santé

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Résumé

Problème à l'étude Les médecins de famille savent depuis longtemps que les facteurs sociaux influencent la santé des personnes et des communautés; jusqu'à présent toutefois, la plupart des organismes qui dispensent des soins primaires n'ont pas encore acquis les capacités nécessaires pour s'occuper de façon active des déterminants sociaux de la santé (DSS).

Objectif du programme Favoriser les interventions relatives aux DSS et promouvoir une culture organisationnelle dans laquelle le fait de s'occuper des DSS est un gage de soins primaires de grande qualité.

Description du programme Une équipe universitaire de santé familiale de Toronto, en Ontario, a réuni un comité composé de professionnels de la santé s'intéressant aux DSS. Ce comité étudie la façon dont les facteurs sociaux affectent les patients, et favorise le développement et la mise en œuvre de certaines interventions. Les interventions déjà mises en place par le comité incluent: recueillir et analyser des données sociodémographiques détaillées de façon à identifier des inéquittés sur le plan de la santé; mettre en place un service de sécurité du revenu comme moyen de promouvoir la santé; établir un partenariat médico-légal; mettre en œuvre un programme d’alphabétisation pour enfants dans ses cliniques; et mettre en œuvre un programme pour favoriser l'accès à des emplois décents. Chacune de ces interventions s'accompagne d'un plan d'évaluation rigoureux de la mise en place et des effets. Les étapes suivantes comprennent la création d'outils devant permettre aux organismes de progresser et d'adopter une approche d'équité en santé dans tout travail, y compris la participation aux activités de plaidoyer.

Conclusion Les dispensateurs de soins primaires sont bien placés pour s’occuper des DSS. Cet article présente un plan d’action visant à aider toutes les grandes organisations de soins primaires à créer un comité semblable pour les DSS, ce qui pourrait contribuer à créer un réseau pancanadien afin de partager les leçons apprises et de soutenir un plaidoyer commun.
Health providers have long recognized that social factors greatly influence the health of their patients. Across societies, socially disadvantaged populations are at much higher risk of having poor health. Hippocrates and the early medical textbooks of ancient civilizations noted the link between illness and poverty. Modern physicians never lost this knowledge but it has not been a priority for much of the past century. The social context of a patient faded to the background with the focus on a biologic understanding of disease. Today, health organizations and practitioners typically do not consider addressing the social determinants of health (SDOH)—“the conditions in which people are born, grow, live, work, and age”—as part of their core business.

We are witnessing resurgent interest in SDOH driven by 3 processes. First, an enormous and growing body of epidemiologic reports confirm the observation that income, wealth, employment status, educational attainment, race or ethnicity, and other individual-level characteristics strongly predict who acquires a range of diseases, who dies of these diseases, and who dies prematurely from all causes. Second, our societies are becoming more unequal in terms of SDOH (eg, wealth, income, and job security), and this appears causally related to growing health inequities. Third, health leaders are recognizing that we cannot achieve health system goals without considering SDOH. For example, most Canadian health systems have adopted the Triple Aim framework: enhancing patients’ experience of care, improving population health, and reducing per capita health care costs. Addressing SDOH is part of achieving each of these goals.

National physician health organizations have played an important role in this movement. The British Medical Association issued a report in 2011 highlighting the role of physicians in addressing SDOH. The Canadian Medical Association followed in 2012 with an analysis of the role of physicians in achieving health equity and placed addressing SDOH at the core of its 2013 national report on improving health. In 2015, the College of Family Physicians of Canada issued the Best Advice Guide: Social Determinants of Health to its members on how to address SDOH, with specific examples at the micro (individual), meso (community), and macro (system) levels.

Some innovative examples of addressing SDOH within primary care exist. Canada’s community health centres have taken action on SDOH since their inception in the 1960s and 1970s. Notable in linking work on SDOH to a movement for social justice, early initiatives included prescribing food to address food insecurity. More recent work has included campaigns to tackle SDOH priorities of the local community. In Australia, a number of community health centres have taken action on SDOH through multidisciplinary primary care teams. In the United Kingdom, general practices have hosted workers from the charity Citizens Advice to focus on helping patients access benefits. Across the United States, Health Leads, a non-profit organization, has helped to train and facilitate volunteers in clinics to assist patients with a variety of social needs. Implementation of this model is in its early phases in Vancouver, BC, with the Basics for Health Society program. In Boston, Mass, an online tool has been developed to direct patients to specific community resources to address SDOH. In San Francisco, Calif, HealthBegins is a large organization that provides tailored advice to multiple health organizations interested in tackling SDOH, including how to best collect sociodemographic data and engage community health workers.

Objective of program

To support directly addressing the SDOH, St Michael’s Hospital Academic Family Health Team (FHT) in Toronto, Ont, developed the SDOH Committee. St Michael’s FHT serves approximately 45 000 patients at 6 clinics located in the inner city of Toronto. More than 75 physicians and nurse practitioners work with more than 100 allied health professionals to provide full-spectrum primary care.

A number of factors supported the development of this committee. First, St Michael’s FHT is a leader in providing primary care to vulnerable populations. A large proportion of patients have low incomes and many have experienced homelessness or are at high risk of homelessness. Second, the FHT’s family physicians and other staff members have a long history of engaging in advocacy around SDOH issues, including improving access to medications for people with HIV, advocating for people who use substances, participating in campaigns to eliminate poverty (eg, Health Providers Against Poverty), establishing the Ontario College of Family Physicians’ Poverty and Health Committee, and opposing cuts to health care for refugees. Third, several novel SDOH-focused initiatives were in early development or were starting up in the FHT during the fall of 2013. The SDOH Committee first met in December 2013 after approval by St Michael’s FHT leadership. Box 1 lists the committee’s objectives.

Program description

The SDOH Committee meets up to 9 times per year, plus a full-day annual retreat, and is made up of multidisciplinary members from across the FHT. The committee is co-chaired by a physician and a community engagement specialist. It includes 8 physicians (including 1 clinician-scientist), 1 community engagement specialist, 2 nurse practitioners, 1 nurse, 1 clinical manager, the FHT Executive Director, 2 health promoters, 2 clerical staff members, 1 social worker, 1 diettitian, 1 lawyer, 1 pharmacist, and 1 patient advisor. Two family medicine residents are part of the committee, one from each of the 2 years of the family medicine residency training program. Medical students have completed electives that include

**Box 1**

Program Description | Building primary care capacity to address SDOH
The committee’s objectives are as follows:

- Identify opportunities for action to directly reduce the negative effects of SDOH and improve the SDOH for our patients
- Provide guidance and coordination to our SDOH intervention programs
- Oversee the evaluation and research of our SDOH intervention programs
- Assist in identifying new resources and the reallocation of existing resources to support our SDOH intervention programs
- Disseminate and share learnings to assist other primary care practitioners and teams with addressing SDOH

SDOH—social determinants of health.

attending committee meetings and observing the work of staff involved with the interventions. Medical students and master’s candidates have also been engaged in the evaluation of interventions. Administrative support is provided by the FHT. The physician partnership provides financial support to the physician Co-Chair to dedicate a half-day every 2 weeks to this effort, and compensates the other committee physicians for meeting time. The Co-Chair sits on the FHT operational committee and also keeps the hospital leadership up to date with committee activities.

Five specific SDOH interventions are currently active in the FHT. These interventions developed from ideas to full programs when a need was identified by a physician or staff member, when the intervention fit well with the strategic direction and plan of the FHT, when a local champion could play a leadership role, when resources were available (eg, funding for staff positions, research grants, donations), and when external supports were in place. The 5 interventions and future directions include the following.

Collecting and analyzing detailed sociodemographic data to identify health inequities. Our Health Equity Data initiative supports the collection of detailed sociodemographic data on all patients. If collected respectfully and with full explanation for the purpose of the questions, such data can serve as a foundation for action on SDOH. Since late 2013, our FHT patients have been routinely surveyed about income, housing status, gender identity, and other key SDOH factors. Answers are incorporated into their secure electronic medical records. The Co-Chair sits on the FHT operational committee and also keeps the hospital leadership up to date with committee activities.

Launching an income security health promotion service. An income security health promotion service was launched in the fall of 2013 to help patients improve their income security. The service was inspired by previous work to develop and implement a clinical tool to address poverty in primary care. The FHT now has 2 full-time income security health promoters. The health promoters are integrated into the clinical team and receive referrals directly from other health providers. Through individual assessments and group education sessions, the program works to increase income (eg, improve knowledge of government benefits and assist with applications, encourage tax filing), reduce expenses (eg, identify free services and goods), and improve financial literacy (eg, budgeting, debt management). This service has been assessed using developmental evaluation, beginning with a retrospective chart review followed by in-depth qualitative interviews with patients and providers. Results have been used to modify the service. Future research will include a pragmatic randomized controlled trial, using wait-listed controls.

Establishing a medical-legal partnership. The FHT, in partnership with a coalition of legal aid clinics, established a medical-legal partnership, called the Health Justice Initiative. A lawyer has provided legal services to FHT patients full-time since January 2015. The project received 3 years of initial funding from Legal Aid Ontario, which has been extended. The Health Justice Initiative has 3 core goals: 1) to provide legal advice on discrete problems and assistance to patients in navigating the justice system, focusing on early intervention to prevent crises and subsequent health consequences; 2) to improve the ability of the health system to detect and respond to legal concerns without a lawyer’s intervention, through training health professionals and developing tools or interventions locally; and 3) to identify systemic legal issues and engage in advocacy and law reform to address SDOH. An implementation evaluation is in progress, including information on the types of problems addressed and the legal outcomes.

Implementing a child literacy program in its clinics. Reach Out and Read (ROAR) is an early childhood literacy program that was first developed in the United States. ROAR involves creating literacy-rich waiting rooms, providing developmentally appropriate advice about reading aloud at each well-child visit, and giving books to children aged 6 months to 5 years and their parents. Children who have access to a ROAR program are more likely to be read to at home and have higher receptive and expressive language scores. Since January 2015, the FHT, with the support of the Toronto Public Library, the Children’s Book Bank, and First Book Canada, has implemented...
ROAR across all its clinics. Data collected in the electronic medical record will be used to evaluate the implementation of ROAR in the FHT.

**Developing an advocacy and service program to improve access to decent work.** Through a grant received in late 2014, members of the SDOH Committee have played a central role in a partnership between Health Providers Against Poverty and the Workers’ Action Centre, leading to the development of the Decent Work and Health Network. Access to decent work is a key SDOH.6 A large body of local evidence finds precarious working conditions are increasing, and these types of working conditions take an enormous toll on the health of individuals, families, and communities.48–50 To date, this advocacy network has focused on compiling the evidence on the link between precarious work and health and engaging with an ongoing provincial review of employment legislation. Building on this work, research is now under way in the FHT to develop a clinical tool and test an intervention to assist patients experiencing precarious work to better understand their rights and connect to local resources.

**Future directions.** At its annual retreat in the spring of 2016, the SDOH Committee embarked on the next phase of its evolution. While continuing to support the specific SDOH programs, it began moving to establish a broader integration of SDOH-related activities across the FHT. To this end, it has established 4 working groups. The first group is looking at ways to integrate a health equity approach into existing FHT programs and services. The second group is developing a health equity–focused community engagement strategy to ensure the FHT is receptive to this type of work. The data collected in the electronic medical record will be used to evaluate the implementation of ROAR in the FHT. The third working group is working to pay for modest honoraria and to cover the cost of parking or transit, as well as the lack of a process to advertise such positions to patients. Three of the patient advisors have been unable to continue their work with the committee and have not yet been replaced. The FHT community agency representatives on the committee. In the future, each SDOH-focused initiative will engage in advocacy for systemic change. Substantial effects on the SDOH are unlikely through individual-level interventions alone.

The committee’s goal over the next several years is to inculcate a culture of addressing SDOH and health equity in all of the FHT activities. **Figure 1** presents a conceptual framework that illustrates how primary care organizations can intervene in SDOH. It is informed by the conceptual frameworks developed for community-oriented primary care and the framework developed by DeVoe and colleagues.53 It begins with triangulation across 4 sources of data, including robust sociodemographic data (eg, Health Equity Data initiative). There are a number of ways that these data can be used to improve patient care. For example, a physician can change the medications prescribed to a patient to account for his or her income, or refer the patient to specific services. The data

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**Program Description | Building primary care capacity to address SDOH**

The SDOH Committee came about from a confluence of fortunate circumstances: a concentration of expertise and historic interest in the SDOH, the launch in short succession of several novel and relevant programs, and a broader health policy context that is increasingly receptive to this type of work. Some important lessons have been learned through the committee’s first years of existence. First, this type of initiative requires strong organizational commitment in order to have an effect, including funding for committee members and a Chair, administrative support, time at executive meetings, and the incorporation of SDOH-focused goals into strategic plans. Committee initiatives are advanced through connections, partnerships, and advocacy developed and carried out by FHT management and staff. The committee and its work is seen as central to the work of the entire FHT. Second, SDOH interventions are developed to be sustainable, which might require matching or in-kind support from the FHT and the integration of interventions into standard clinical care pathways. Third, evaluation and research are built into each program. The committee recognizes a responsibility to both understand the effectiveness of programs and to disseminate any findings. A recent systematic review found that the quality of evidence to support SDOH interventions is low, with most studies being small-scale observational studies, and many lessons learned are not widely disseminated.51 Finally, the role of the committee in the FHT has evolved. Clear boundaries have now been drawn between day-to-day management and the overall coordination, development, and strategic planning role of the committee.

The inclusion of individuals directly affected by the committee’s work was seen as essential from the committee’s inception. The FHT and St Michael’s Hospital are committed to the engagement of patients in planning.52 Four patient advisors joined the SDOH Committee. Patient engagement was delayed owing to a lack of specific funds to pay for modest honoraria and to cover the cost of parking or transit, as well as the lack of a process to advertise such positions to patients. Three of the patient advisors have been unable to continue their work with the committee and have not yet been replaced. The FHT community engagement specialist, hired in early 2015, has also helped advance patient engagement as part of the organization’s culture. Next steps include the inclusion of community agency representatives on the committee. In the future, each SDOH-focused initiative will engage in advocacy for systemic change. Substantial effects on the SDOH are unlikely through individual-level interventions alone.

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can also be used in practice management to analyze a physician’s roster of patients to identify hot spots, where social disadvantage and poor health outcomes intersect. At an organizational level, health organizations might change business practices, such as the hours of operation or training of front-desk staff, or create new programs to address SDOH. All this can build toward a truly “upstream” change through policy advocacy.

The committee is working toward establishing tools and skills to enable an SDOH-focused approach to program planning and evaluation throughout the FHT. The success of these efforts will rest on continued support and input from the FHT management, staff, and physicians, as well as patients and community members.

**Conclusion**

Our work on SDOH interventions is just beginning. We have seen the rapid establishment of a number of initiatives. Taking action for SDOH issues is dynamic and complex. We have begun to dedicate a portion of each committee annual retreat to presentations from “unusual suspects,” including community members, activists, other professionals, and policy makers, followed by critical reflection. Through engagement with diverse perspectives and expertise in SDOH, we will innovate new interventions that improve the health of our patients and our community.

Based on our experiences, and based on the pressing need to address the most fundamental and powerful determinants of health, we propose that every large primary care organization establish an SDOH committee. These committees would serve to identify and support innovative approaches to addressing the SDOH in a practical manner. Committees could also form a network across regions and internationally to share lessons learned and support joint advocacy on issues of common concern. We look forward to such collaboration and supporting others in their SDOH journeys.

**Figure 1. Framework for SDOH interventions in primary care, from “downstream” data to “upstream” advocacy**

SDOH—social determinants of health.
Program Description | Building primary care capacity to address SDOH

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Contributors
Both authors contributed equally to the concept and design of the program; data gathering, analysis, and interpretation; and preparing the manuscript for submission.

Competing interests
Dr Bloch and Pinto jointly developed the Social Determinants of Health Committee in St Michael’s Academic Family Health Team. Dr Bloch continues to serve as committee Co-Chair.

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