COMMENTARY

Smoking Cessation for Pregnant Women

Current Canadian Programs and Future Development

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Pregnant smokers comprise a distinct subgroup for smoking cessation intervention. Today, between 20% and 30% of women smoke during pregnancy.1,2 Among the many who do manage to quit successfully during the prenatal period, 70-90% have relapsed by one year postpartum3 despite a prolonged period of abstinence. Clearly, intense efforts in encouraging smoking cessation during pregnancy have resulted in, at best, temporary abstinence, but have failed to generate long-term improvements in women’s health. More effective smoking cessation programs must be developed to help pregnant and postpartum women quit and maintain their abstinence.

Within the category of ‘pregnant smoker’, diverse subpopulations exist, including Aboriginal and other cultural groups, low-income women, teenage girls and heavy smokers. Another important group that merits increased attention is the ‘spontaneous quitter’. These are pregnant women who are former smokers, having quit either before entering prenatal care or in early pregnancy. Given the high rates of relapse observed postpartum, the programming for ‘pregnant smokers’ needs to be expanded to include these women and girls. The differing social and economic realities experienced by all of these groups lead to unique trajectories of tobacco cessation. However, in Canada, few smoking cessation programs are available that address the unique dynamics of cessation and relapse in these diverse subpopulations of pregnant smokers, and little material exists at all to assist postpartum women quit smoking.

This article summarizes the types of programs currently available to Canadian pregnant smokers, and suggests directions for future program development. As part of a larger project investigating and suggesting better practices in this field, program materials and information (including evaluations) pertaining to pregnant smokers were sought from over 50 agencies in Canada and the US. A multitude of programs for women and for specific groups of women, such as Aboriginals, were obtained, but only nine programs were specifically designed for pregnant and/or postpartum women and/or girls (see Table I). Of these nine, four provided evaluation data. Table II lists additional resources aimed at healthcare providers.

Program landscape

Of the few Canadian programs explicitly targeted to pregnant and postpartum smokers, most are based on popular behavioural change techniques such as motivational interviewing3 and the Transtheoretical Model.4 Many also include components on media education, and some include group counselling. While several programs acknowledge partner smoking as important, little in the way of specific interactive components for partners is available. The highly critical issue of postpartum relapse is ignored almost entirely, and is not the focus of any tailored component. Similarly, tailored materials for specific subpopulations of pregnant smokers – especially spontaneous quitters, teenagers and Aboriginal women – are almost entirely lacking.

Among the most visible organizations providing resources to pregnant smokers wishing to quit are the Canadian Cancer Society (CCS), Health Canada, and the Lung Association. Information about the health effects of smoking during pregnancy, as well as a contact list for smoking cessation programs are also readily available through Health Canada. Unfortunately, in many cases it is difficult to gain access to existing program materials (beyond informational pamphlets) specifically for pregnant smokers. For almost all organizations providing assistance in our research, staff awareness of the range of materials available, even from within their own organization, was a problem.

Directions for programming in Canada

Some important directions for creating more effective programming in Canada are summarized in Table III. In addition to these approaches, two priorities are listed below.

1. Recognize differences in subpopulations of ‘pregnant smokers’. Perhaps the most important step Canadian programmers can take involves increasing awareness of the distinct differences between pregnant and non-pregnant smokers, and further, between different kinds of ‘pregnant smokers’. Each subpopulation of pregnant smoker – for example, Aboriginal women, teenaged girls, spontaneous quitters, heavy smokers and low-income women – experiences the trajectory and context of tobacco cessation differently, and ‘pregnant smokers’ as a group are distinct from other groups of smokers. Key to this difference is the presence of the fetus as an external and time-limited motivation for cessation. Although preliminary efforts have been made, future programs need to focus on these important inter- and intra-group differences.

2. Increase awareness of existing programs. Increased awareness of extant programs should become an immediate priority.

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Based on the current, available evidence in the literature, behaviourally oriented cessation programs based on the Stages of Change can successfully help some women quit, and such programs which already exist should be made more accessible to low-income and rural women whose cessation options may be more limited. However, some research suggests that the Stages of Change model may not adequately characterize the motivations of pregnant smokers with respect to tobacco cessation and is therefore less applicable to pregnant women.

In summary, while there has been a vast effort in promoting tobacco cessation during pregnancy, the results have been marginal. A wider understanding of the role that social and economic context plays in patterns of cessation and relapse among pregnant and postpartum women is urgently needed to adequately inform improved programming.

REFERENCES


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**Book Review**

**Federalism, Democracy and Health Policy in Canada**

*Duane Adams (Ed.) Montréal (Québec): McGill-Queens University Press, 2001;310 pp, $65 (Cloth), $29.95 (Paper)*

Working in the past few years in the areas of healthy public policy (beyond the health care system) and the interface with democracy and equity, I have a special interest in this book. I read it with two questions in mind: 1) What evidence is there of public influence on the health system and health policies? and 2) Has policy helped to shift the health system to a more preventive approach?

The book is a compilation of papers from Canadian scholars through the Saskatchewan Institute of Public Policy from a three-year project focussing on the role of intergovernmental regimes and their effect on policy, federalism and democracy. Six case studies include national health goals; the Federal/Provincial/Territorial conference system (strengths and weaknesses); cost containment in the federalist context; the health facility fees challenge; regionalization and national health surveillance. The ‘technical’ part of the analysis was based on defining a continuum of intergovernmental regimes ranging from ‘federal unilaterality’ (where little or no consultation with provinces occurs) to ‘disentangled federalism’ (where federal and provincial jurisdiction is mutually exclusive, independent and non-hierarchical) and the extent to which they were effective.

From a Public Health perspective, there was frank discussion throughout about the ‘trade-offs’ between the goal of good policy and what the (obviously strained) federal-provincial relationship can accommodate. The section by Adams on National Health Goals illustrates the challenge of jurisdictions and differing accountability. He concludes that the challenge of common goals is fundamentally about nation-building!

Patricia O’Reilly has a similar disappointing conclusion (The Canadian Health System Landscape): “The established intergovernmental machinery, while being an amicable network of bureaucratic colleagues, has delivered very little new health policy to the country in the past decade apart from some new technical and system support programs and institutions such as the Canadian Institute for Health Information …” Not surprisingly, she also describes evidence of the inter-governmental machinery as “ secretive, allowing only a few select professionals and little public …expertise into policy development”.

On health surveillance, Kumanan Wilson comments on “ambiguous health jurisdictions, inefficiencies, duplications and gaps between federal and provincial partners in relation to indicators, capacities, reporting mechanisms which are well known to practitioners, and do pose a health risk to Canadians.” This has, of course, been repeated in other findings, including the Romanow report.

While somewhat technical at times, for the most part the reading is straightforward and informative, even for the non-political science person. The answer to my questions regarding public input was largely negative and, although not explicit, these scholars found little evidence that policy is moving toward population health, notwithstanding the rhetoric. While there is a lot of material here, it can be easily skimmed for the relevant sections. One disappointment was the lack of back index in order to search particular themes such as ‘prevention’.

The reader is left with further evidence (if it were needed) that the present intergovernmental ill will needs to be addressed along with sustainable long-term federal funding for policy decision-making to begin to serve the interest of federalism, public interest, and effective health policy in Canada.

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