

Primary care clinicians' knowledge, attitudes, and practices concerning dementia

They are willing and need support

Geneviève Arsenault-Lapierre PhD Mary Henein MSc Laura Rojas-Rozo MD MSc Nadia Sourial PhD
Howard Bergman MD FCFP FRCPC FCAHS Yves Couturier PhD Isabelle Vedel MD MPH PhD

The number of persons living with dementia is expected to approximately double in Canada¹ and around the world² by 2030, making it a public health priority.² In 2012, the World Health Organization recommended that governments develop plans to better tackle key issues related to dementia, such as awareness, timely diagnosis, health care service quality, and caregiver support, among others.² As a result, many countries and other jurisdictions have put plans in place to address Alzheimer disease.³

There is ongoing debate as to which of primary care or specialty care should manage dementia. Some Alzheimer disease plans give the primary responsibility for managing patients with dementia to specialists, such as the plans for France, England, and Spain, countries in which family physicians do not diagnose or manage dementia.⁴⁻⁷ Other plans, such as those from Australia, Belgium, Finland, Denmark, and Canada (and from some of Canada's provinces), recommend that in most cases the responsibility to manage the care of dementia patients, from diagnosis to treatment and follow-up, be given to primary care clinicians, with the support of specialized services.

While there is a growing interest in developing and implementing Alzheimer plans in primary care, we do not have a complete picture of their impact on the quality of care, partly because of the uncertainty surrounding the knowledge, attitudes, and practices (KAP) of primary health care professionals. More specifically, it remains unclear whether family physicians and nurses are prepared to manage patients with dementia.^{8,9} While the challenges of caring for patients with dementia in primary care are influenced by a variety of factors—setting, remuneration methods, and training being a few—there is a belief that many primary care clinicians are unprepared, not confident, and even reluctant to care for these patients in their practices,^{10,11} and that, depending on geographic differences in resources (eg, training, support, and remuneration), they prefer to refer patients to specialists immediately.

Evaluating the Quebec Alzheimer Plan's implementation

In Canada, a national dementia strategy was launched in 2019 to meet the needs of persons living with dementia and their caregivers.¹² This strategy is aligned with a series of Canadian recommendations that anchor

dementia care in primary care.¹³⁻¹⁵ Before this report, several provinces had developed plans.¹⁶ Quebec, in 2009, was among the first to develop a comprehensive plan based in primary care.¹⁷ In 2014, the province's Ministry of Health and Social Services launched a pilot phase in 42 interdisciplinary primary care clinics, known as *family medicine groups*. In 2016, this plan was implemented in all family medicine groups across the province, as described by Arsenault-Lapierre et al.¹⁸

Our research team, Research on Organization of Healthcare Services for Alzheimers, was mandated by the Ministry of Health and Social Services to evaluate the implementation of the Quebec Alzheimer Plan among the clinics that had piloted the plan and to assess its impact on quality of care for patients with dementia.^{19,20} This project offered an excellent opportunity to evaluate the KAP of primary care clinicians concerning dementia care and the Quebec Alzheimer Plan. As such, we developed and validated 2 questionnaires, one to assess the KAP of family physicians and the other to assess the KAP of nurses and other health professionals.^{21,22} Briefly, the responses to each questionnaire were scored on a Likert scale (where a higher number reflects more agreement) and grouped into 5 factors for family physicians and 4 factors for nurses and other health professionals. Each factor score is presented as the mean of the responses of the related questions and presented as a score out of 100. The results from these questionnaires, collected from the clinicians of 38 family medicine groups (2 of the 42 practices opted out of the Quebec Alzheimer Plan and 2 others refused to participate in research), allow us to challenge the preconceived notion that primary care clinicians are unprepared, not confident, and reluctant to care for persons in their practices living with dementia.

Clinicians' responses regarding dementia care

The questionnaires were sent to all clinicians in each practice, without knowing their eligibility (ie, working at least 1 day a week in that practice and seeing older patients). We estimated a response rate based on the questionnaires that were returned and known to be ineligible.²¹ A total of 369 eligible family physicians returned a completed questionnaire (68% estimated response rate). Family physicians reported positive *attitudes toward dementia care* (eg, "I think that, in the presence of symptoms, early diagnosis of dementia is important"), *perceived competency and knowledge in dementia care*

(eg, "I believe that I have the skills to diagnose dementia"), positive *attitudes toward collaboration with nurses and other health professionals in managing dementia care* (eg, "I think that my collaboration with a nurse or other health professional in my team is essential to develop care plans for patients with dementia"), and good *practices with regard to cognitive evaluation* (eg, "I look for the presence of cognitive impairment in my patients when they complain about memory problems") (Figure 1). However, family physicians reported a lower score in *attitudes toward the Quebec Alzheimer Plan* (eg, "I think that the changes proposed by the Alzheimer plan will benefit me: they will help me do my work better") compared with scores for the other factors. When this score was looked at more closely, we observed a lower average score for the question related to sufficient training during the implementation of the plan (Figure 2).

There were 144 completed questionnaires returned from nurses and other health professionals (of the 144, 83% of respondents were nurses, 9% were social workers, and 8% were other health professionals such as pharmacists, respiratory therapists, physiotherapists, social assistance technicians, and occupational therapists). The estimated response rate for nurses and other health professionals was 69.5%. They demonstrated positive *attitudes toward patients with dementia and their caregivers* (eg, "I think that several things can be done to improve the quality of life of a patient living with dementia") and reported high levels of *perceived support from community resources*, such as the Alzheimer disease societies (Figure 3).

Figure 1. Questionnaire on knowledge, attitudes, and practices regarding dementia care and the Quebec Alzheimer Plan—scores for family physicians: The 5 factors starting from the top of the graph and going clockwise are practice with regard to cognitive evaluation; perceived competency and knowledge in dementia care; attitudes toward collaboration with nurses and other health professionals in managing dementia care; attitudes toward dementia care; and attitudes toward the Quebec Alzheimer Plan. Scores are presented as the average of family physicians' responses to questions included in that factor, on a scale of 1 to 100.

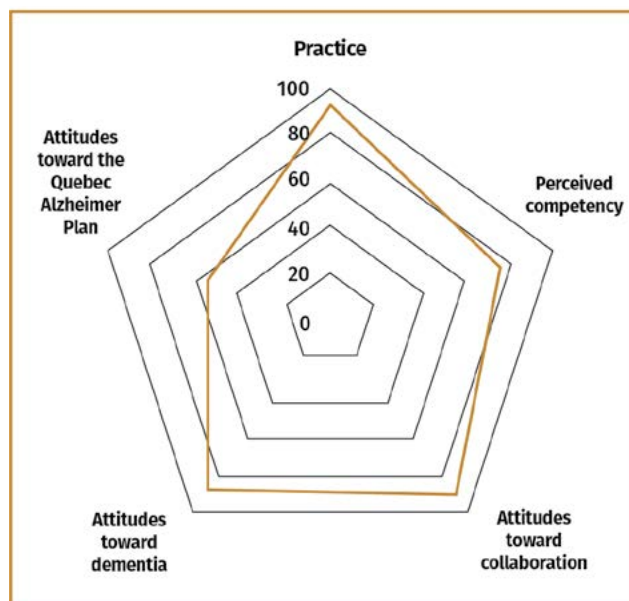


Figure 2. Family physicians' scores for each question relating to their attitudes toward the Quebec Alzheimer Plan:

Individual question scores for family physicians for the factor attitudes toward the Quebec Alzheimer Plan. The factor score was the average of the following 4 question scores (left to right): whether they perceived they had sufficient training, if the plan proposed beneficial changes, whether they understand the vision of the Quebec Alzheimer Plan, and whether they can adapt their practice to the Quebec Alzheimer Plan. Scores are on a scale of 1 to 10, 10 indicating more agreement. The red triangle represents the mean score, and the black line represents the median score for that question across physicians.

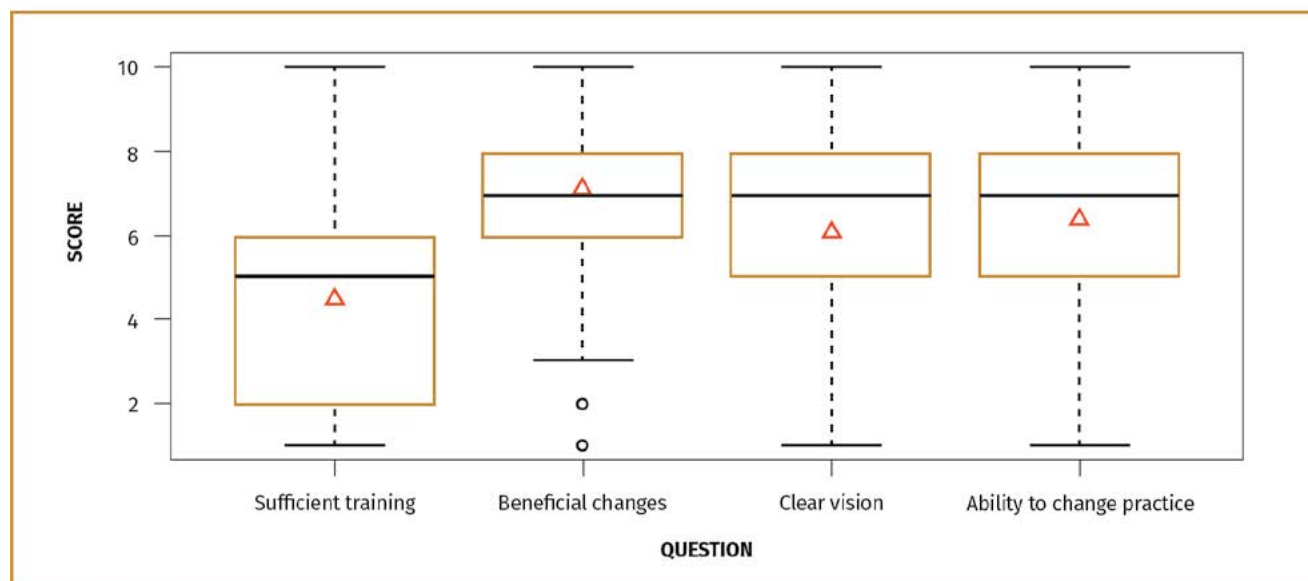
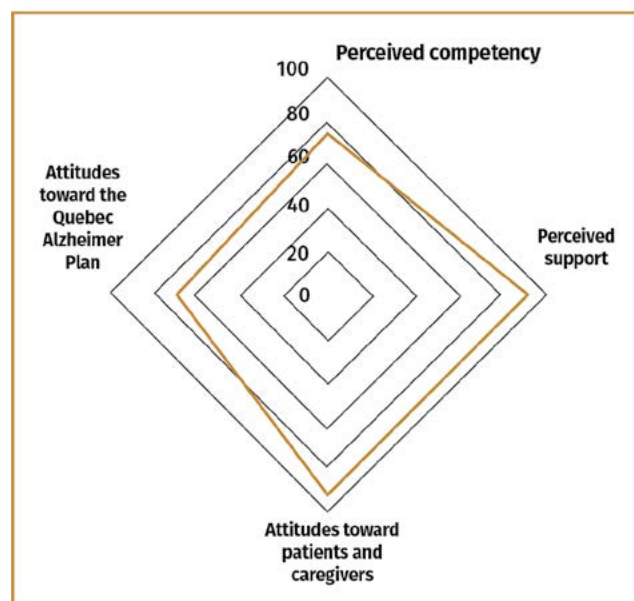


Figure 3. Questionnaire on knowledge, attitudes, and practices regarding dementia care and the Quebec Alzheimer Plan—scores for nurses and other health professionals: The 4 factors starting from the top of the graph and going clockwise are perceived competency and knowledge in dementia care, perceived support from community resources, attitudes toward patients with dementia and their caregivers, and attitudes toward the Quebec Alzheimer Plan. Scores are presented as the average of nurses' and other health professionals' responses to questions included in that factor, on a scale of 1 to 100.



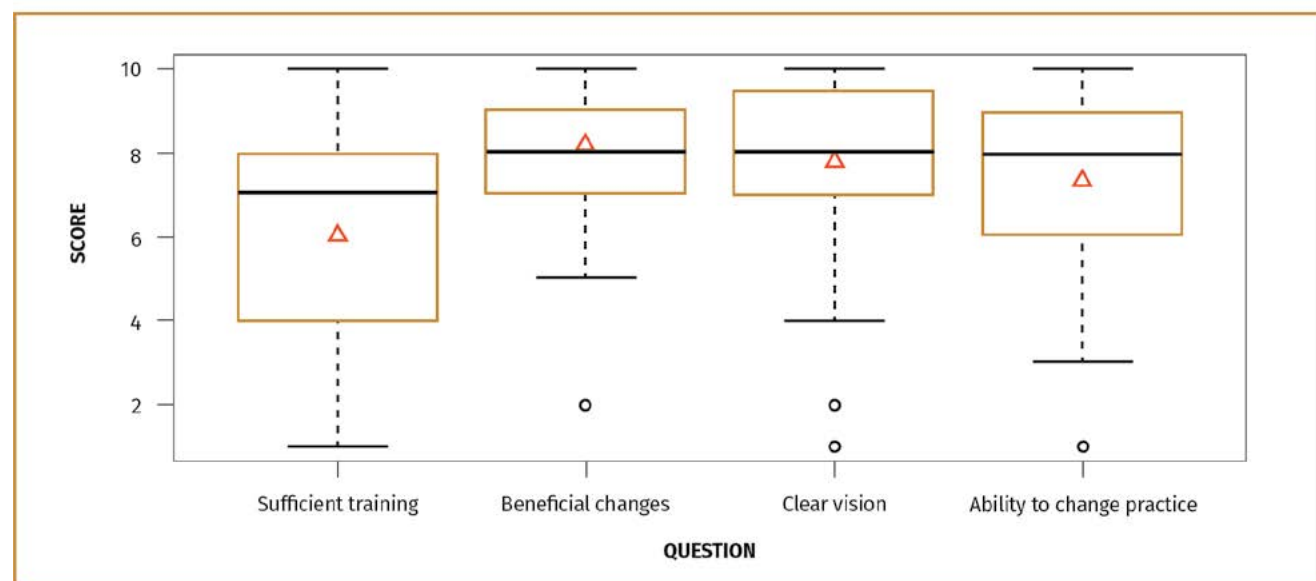
However, compared with their scores on other factors, they reported lower levels of *perceived competency and knowledge in dementia care* (eg, "I believe that I have the skills to identify cognitive impairment"). Finally, they also scored lower on *attitudes toward the Quebec Alzheimer Plan* (eg, "I understand the vision and values of the Quebec Alzheimer Plan") compared with the other factors. Similar to family physicians' scores, nurses and other health professionals scored lower for the question on whether they received sufficient training during the implementation of the plan (Figure 4).

Discussion

The responses from primary care clinicians to our questionnaires showed that family physicians, nurses, and other health professionals who had participated in the implementation of the Quebec Alzheimer Plan had high or positive KAP toward dementia care and the Quebec Alzheimer Plan. These scores suggest that primary care clinicians are interested in and have positive attitudes toward diagnosing and managing dementia care in their practices. This not only aligns with Canadian recommendations^{13,14} but also with the evidence that patients generally value continuity of care²³ and might prefer being diagnosed and treated by their family physicians.²⁴⁻²⁶

The Quebec Alzheimer Plan employed a multifaceted strategy to address primary dementia care,²⁷ including clinical, change management, and financial resources; making use of multidisciplinary teams; and training and coaching in

Figure 4. Nurses' and other health professionals' scores for each question relating to their attitudes toward the Quebec Alzheimer Plan: Individual question scores for the nurses and other health professionals for the factor attitudes toward the Quebec Alzheimer Plan. The factor score was the average of the following 4 question scores (left to right): whether they perceived they had sufficient training, if the plan proposed beneficial changes, whether they understand the vision of the Quebec Alzheimer Plan, and whether they can adapt their practice to the Quebec Alzheimer Plan. Scores are on a scale of 1 to 10, 10 indicating more agreement. The red triangle represents the mean score, and the black line represents the median score for that question across nurses and other health professionals.



dementia care. This comprehensive approach was successful in improving dementia care.²⁸ Our results suggest that the success of the plan might have been driven by the positive attitudes of clinicians toward dementia care. However, positive attitudes are not sufficient, as clinicians indicated they believed they needed more training and coaching to change their practices in the long run.

The responses that we received from clinicians suggest that decision makers need to invest more in training when they are implementing a dementia strategy. This is not a new idea; several studies have supported that training is important for quality-of-care improvement.²⁹⁻³¹ When developing and implementing Alzheimer plans, health organizations and decision makers need to step up and provide more dementia-specific training for clinicians, to ensure that they are not only willing to undertake the care of persons with dementia in their practices, but are also fully prepared. Primary care clinicians must perceive that they have been given sufficient training to undertake most of the care for their patients with dementia. To determine how much and what kind of training is needed, decision makers and health authorities should work in close collaboration with primary care clinicians to develop the curriculum and to ensure that clinicians will participate in training.³²

The results of our study assessing the KAP of clinicians participating in the Quebec Alzheimer Plan suggest that their attitudes toward providing dementia care are positive and willing but that they would benefit from more support and training, as has been expressed in previous studies.³³ These results are important because several national and provincial plans are focusing on primary care tackling dementia care. Indeed, Canadian recommendations have put forward primary care as the foundation on which to further improve dementia care.³⁴

Dr Geneviève Arsenault-Lapierre is Senior Research Associate for the Research on Organization of Healthcare Services for Alzheimers Team at the Lady Davis Institute for Medical Research affiliated with the Jewish General Hospital in Montreal, Que, and McGill University. **Mary Henein** and **Dr Laura Rojas-Rozo** are research assistants for the Research on Organization of Healthcare Services for Alzheimers Team at the Lady Davis Institute for Medical Research. **Dr Nadia Sourial** is Assistant Professor in the Department of Health Management, Evaluation and Policy in the School of Public Health at the University of Montreal. **Dr Howard Bergman** is Assistant Dean of Internal Affairs in the Faculty of Medicine at McGill University, and Professor of Family Medicine in the Department of Medicine and Oncology and the Institute for Health and Social Policy at McGill University. **Dr Yves Couturier** is Tenured Professor at the University of Sherbrooke in Quebec and Scientific Director of the Réseau de connaissances en services et soins de santé intégrés de première ligne. **Dr Isabelle Vedel** is Associate Professor and Graduate Program Director (MSc) at the University of McGill.

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Competing interests

None declared

Correspondence

Dr Geneviève Arsenault-Lapierre; e-mail genevieve.arsenault-lapierre@mail.mcgill.ca

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