The Burden of Debt for Canadian Dental Students: Part 1. Review of the Literature

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ABSTRACT

Debt among Canadian university graduates is increasing, while money apportioned to federal and provincial needs-based student assistance programs has been decreasing since the 1990s. Dental students have had to absorb increased tuition fees at both the undergraduate and post-baccalaureate levels. Existing debt and high tuition fees may adversely influence a potential candidate’s decision to enrol in dental school. Likewise, debt incurred during the minimum 2 years of pre-dental education adds to the future debt load of dental graduates. It seems that few dental students can remain debt-free during their dental education, although data are lacking about the extent of debt among dental students and its impact on their career decisions.

Government statistics focus primarily on tuition costs for baccalaureate-degree students. Tuition and clinic-related fees constitute a significant proportion of costs for dental students; moreover, university administrations perceive dentistry as an expensive curriculum. This first article of a 4-part series examines debt among dental students, both nationally and internationally.

MeSH Key Words: education, dental/economics; students, dental; training support/trends

“Canadians do not need to be told that student debt has become a major problem. Students know it. Their families worry about it. Graduates must deal with it.”

— Finance Minister Paul Martin, 1998 budget speech

For several decades, Canadian dentists have been faced with debt upon graduation. In 1993–1994, the average starting debt for Canadian dental students was Can$2,000 and the average graduating debt was Can$25,700. Since then, the level of debt among dental students has increased considerably, beyond the rate of inflation. Some would argue that debt is a necessary consequence of the expensive schooling required for a lifelong vocation in dentistry, but does the level of debt adversely influence the career choices of candidates wishing to enrol in dentistry? To what extent does debt upon graduation restrict dental graduates’ freedom of career choice within the field? Does rising debt influence a graduate’s choice of practice location or clinical decision making? Are adequate sources of private or governmental funds available for new and continuing loans to students who wish to incur this debt for a career in dentistry?

This is the first of a 4-part series on the issue of dental student debt. The aim of this paper is
Dental Students’ Debt, a Global Issue

Dental students’ debt is a global issue. The results of the British Dental Association’s survey of dental students’ debt in September 2002 indicated an average debt of £12,100 (approximately Can$29,000) for students in their final year, about twice the average debt (£6,228, approximately Can$15,000) of British students completing a 3-year baccalaureate degree. Although these levels of debt reflect the lower tuition fees in British dental schools compared with those in Canadian schools, British government policy about student finances is based on the assumption that students are willing to bear the private costs of their education because of its anticipated benefits. In the United States, current levels of dental students’ debt are so high that many graduates may not be able to manage their indebtedness. Additionally, high levels of debt may have an adverse effect on students’ health: student debt has been reported to contribute to higher levels of stress and burnout among medical graduates.

Between 1997 and 2001, educational debt was cited as one reason for the 25% decline in the number of applicants to dental school in the United States. U.S. dental school seniors reported that their average educational debt on entering dental school in 2003 was US$14,097; their mean debt on graduating was $118,748. Given such numbers, is it possible for dental students to become complacent about debt? Students who have been at university longer are reported to have higher levels of debt and greater tolerance of debt. In Canada, however, young people of lower socioeconomic status are resistant to the use of debt for education financing.

Dental student indebtedness in New Zealand has encouraged students to emigrate so that they can repay their debt. Most of these dental students have significant debt on graduation: the debts of more than 97% of dental students graduating in 1998 were greater than NZ$50,000; many had debts in excess of NZ$100,000 (approximately Can$111,250). Repayment of these loans is readily achievable if graduates work overseas in countries such as the United Kingdom, where recent graduates’ earnings are substantially higher than those in New Zealand.

Dental Students’ Debt, a Canadian Issue

Debt incurred because of higher education affects many students and their families. Websites and chat forums exist solely to discuss the issue of student debt. The requirement for a minimum of at least 2 years of post-secondary education (in Alberta, Manitoba, Saskatchewan and Montreal, Quebec) forces indebtedness on many prospective candidates wishing to enrol in dental school. Canadian newspaper articles regularly report that baccalaureate-degree students are debt-ridden upon graduating from university. Statistics Canada indicates that students’ debt increased by 76% in the 1990s, resulting in an average debt on graduation of $20,500.

Governmental Attitudes to Student Debt

During the 1990s, federal government money for student loans diminished as a result of spending cuts. In defence of his government’s policy, the Minister of Human Resources Skill Development Joseph Volpe asserted that the sum of $20,000 was “pretty easy” to repay. In 1997, Nova Scotia’s Education and Culture Minister Robbie Harrison said that student debt load was “a terrible problem — more can and must be done.” In 2004, former British Columbia Minister of Advanced Education Shirley Bond commented that 70% to 80% of a Canadian student’s higher education is paid for by taxpayers and that students must invest in their own education. Current government agencies increasingly seem to perceive student debt as an inevitable consequence for those wishing to pursue higher education.

Barriers to Higher Education

Despite the prospect of debt, enrolment in baccalaureate-degree programs at Canadian universities increased by more than 20% between 2000 and 2004. During the same period, average tuition increased to $4,025 and the national average grade for entry to university increased to 84%. For Canadians of low socioeconomic status, this increase in fees and academic requirements added to the existing academic, financial and informational barriers to obtaining a post-secondary education. In addition, the proportion of government funding for student assistance based on financial need declined from about 65% to 40% between 1990 and 2004. In a recent poll (April 2004), 80% of 800 adult British Columbia residents questioned indicated that rising tuition and funding issues dominated their concerns about higher education and that these issues made it accessible solely to the middle and upper classes.

Costs of Dental Education

From 1982 to 2002, tuition fees for dentistry in Canada increased overall by 314%. During the academic year 2003–2004 alone, tuition fees in dentistry increased by...
Dental schools that embrace the trend toward a corporate style of management should ensure that changes implemented bring about the cost savings or the desired revenue generation that managers anticipate and do not add to the students’ financial burden.

Government funding of dental school clinics providing treatment by dental students could alleviate the financial burden of university dental education programs and their students. In the United Kingdom, students provide supervised oral health care in dental schools under the umbrella of the National Health Service (NHS). The central government funds this service through NHS, in addition to the university funding government provides for dental school education. In Canada, no such federal health care funding for dental treatment provided by students within dental schools exists. As a result, the burden of costs for the dental school clinics falls on university funding or, increasingly, on the students themselves. Some U.S. dental schools have clinical attachments to extramural clinics for dental students. These clinics benefit the education of dental students, reduce the costs of providing a dental school-based clinic and help meet the needs of underserved populations.

**Role of Government Funding**

 Provincial government initiatives to introduce tuition-fee capping without increasing core funding have also added to universities’ financial burden. Inevitably, such artificial inhibition of the funding of dental education causes a strain on university finances. Since 1994, current federal government transfer payments to provinces for post-secondary education in Canada has decreased by $1.7 billion. Without federal government funding, dental students are forced to absorb a higher proportion of the rising costs.

Although the federal government provides interest-free student loans until the student has completed his or her education, the maximum amount a typical dental student can receive (approximately $12,000 for a single student) is significantly less than current costs of tuition. Needs-based financial assistance would greatly assist candidates choosing to pursue a dental education by helping to reduce the financial hardship incurred by students of lower socioeconomic status.

The Association of Canadian Community Colleges lobbied Parliament in 2001 to change the antiquated Canada Student Loan system developed in the 1960s, calling for a new learner support system to meet the diverse needs of post-secondary students. A legitimate argument exists for having government loans that match the education and living expenses of individual students wishing to pursue professional education. Lending money to dental students is a good low-risk investment for the private sector. It is therefore reasonable for government to enter this arena on the basis of social equity. All students who are accepted into a Canadian dental school should, if they desire, have access to government loans to allow...
them to pursue their studies in dentistry. The incomes of those in the profession are not relevant to government as long as the loans are made at a reasonable rate of interest.

Suitably qualified (perhaps even gifted) candidates from low-income families may be deprived of the choice of a dental career if the cost of an education in dentistry is too high. Compare the mounting evidence of a similar lack of access and funding for lower-income medical school students. The numbers of medical students from lower-income families in Canada have decreased. Worse, medical school graduates from low-income groups have significantly higher debt levels than their peers in the highest income group.

Effects of Future Debt on Students’ Choice of Dental School

The prospect of future debt may restrict the choice of dental school for some students who are pressured to stay at home during their studies. There is a direct financial benefit to living at home while studying. As costs rise, and access to borrowing becomes more difficult and costly, students are less likely to choose the dental school that best meets their needs and interests, and are more likely to select a school close to home.

Effects of Student Debt on Career Choices

Repayment of student loans may take years to complete after graduation from dental school. Working part-time to repay debt as a dental student is difficult because of the intensive nature of the program. Some dental graduates experience difficulty meeting basic expenses in the early years of their dental education. The prospect of a good income in dentistry must then be weighed against the debt incurred during dental school and the time taken to repay it. This may, in part, explain the recent significant decrease in applicants to U.S. dental schools, in addition to changes in the economic climate.

Student debt may influence the career decisions of recent dental graduates, although there is little published evidence of this. Most graduates enter general dental practice. The cost of entering a specialty program of 2–6 years’ duration can be prohibitive for those with high debts incurred during dental school. Dental education also suffers because of student debt; graduates cannot afford to consider an academic career for financial reasons. Military service can help to reduce the burden of debt during dental school, but it commits the student to an extended period of service in the Armed Forces upon graduation. A potential solution might be to follow the model of a U.S. government-led initiative for new physicians that enables them to provide medical services to underserved communities in exchange for relief of some of their debt for each year of service.

Potential Effects of Debt on Clinical Practice

No published studies link recent graduates’ overprescription of dental treatment to student debt. The professional standards introduced in dental school and the disciplinary proceedings published by licensing bodies should be sufficient to discourage recent graduates from engaging in such practices, but the concern remains that excessive debt may tempt financially burdened practitioners to overtreat or overbill patients.

Conclusions

Contemporary information about the burden of debt among Canadian dental students and the effect of debt on their career choices is lacking. Such information would benefit government and university administrations, those contemplating a career in dentistry, and bodies involved in planning for future dental human resources. Finally, despite the relatively high incomes of professional dentists, the full costs must be known so that prospective students can make informed cost–benefit choices. A high prospective income alone is no guarantee that the profession is sustainable at any cost of entry.

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