Dental Service Utilization by Independently Dwelling Older Adults in Manitoba, Canada

Douglas J. Brothwell, MSc; Michelle Jay, DMD; Dieter J. Schönwetter, PhD

ABSTRACT

Objectives: The objectives of this study were to determine the rate of use of dental services by independently living older dentate and edentulous adults and the factors affecting utilization.

Methods: Data were derived from the cross-sectional Manitoba Study of Health and Aging. A personal interview included over 240 questions addressing sociodemographics, well-being, oral and general health, and health service utilization.

Results: The sample included 1,751 participants with a mean age of 76.2 years (standard deviation 7.1); 58.5% were women and 72.7% were edentulous. Only 383 participants (21.9%) reported having visited a dentist in the past 6 months. The visitation rate for dentate seniors was significantly higher than that for edentulous seniors (36.2% vs. 13.5%, p < 0.001). Multiple logistic regression analysis revealed significant independent effects of 5 variables for each group. Predisposing factors predicting visitation for both groups were higher level of education and frequent use of professional services. For dentate adults, dental visitation was predicted by 3 enabling factors (main supporting person not a family member, fewer restrictions on activities of daily living, residence in a major urban centre) but no need factors. For edentulous participants, dental visitation was predicted by only 1 enabling factor (higher income) and 2 need factors (recent dental problems and longer duration of denture use).

Conclusion: Despite some common predisposing factors, the variables influencing dental utilization were different for dentate and edentulous adults; enabling factors played a greater role for the dentate and need factors were of greater importance for the edentulous. These findings seem to indicate that older dentate adults who visit the dentist do so because they can, while older edentulous people who visit the dentist do so because they must.

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Our current trends should be of concern to Canadian dentistry. First, projections suggest that by 2026, 21% of the Canadian population will be ≥ 65 years of age and that by 2041 there will be 3 times the current number of seniors. Second, seniors are retaining more natural teeth than in the past; the rate of edentulism reported in Canadian studies ranges from 24% to 72%. Third, oral disease is common in the elderly, with 70%–87% reportedly requiring dental treatment. Health reports cite poor oral health, such as cavities and gum disease, as contributing to heart disease, diabetes and
respiratory diseases, especially in older adults. Fourth, these high levels of need are not resulting in effective demand for care. Utilization patterns for dental services show that older Canadians are less likely to visit a dentist than younger Canadians.

Oral health is increasingly being seen as essential for maintaining general health and well-being. A major challenge for the dental profession is ensuring that older adults, with their widely variable social and functional status, have appropriate access to dental services. This access is a topic of increased interest and discussion in Canada and elsewhere.

Locke has shown that older adults who visit the dentist more frequently have better oral health and fewer problems and are more satisfied with their oral health than non-visitors. Despite this fact and the high level of need for dental care, older adults tend to seek fewer dental services than younger age groups. The proportion of Canadian adults aged ≥ 65 years who visited a dentist in the preceding 12 months was reported as 23% in the 1978–79 Canada Health Survey, 17.0% for Manitoba in 1986, 34.3% in the 1993–94 Canada Health Survey, 38.0% in the 1996–97 National Population Health Survey and 41.1% in the 2000–01 Canadian Community Health Survey. More recent Canadian data are not available.

Different visitation rates have been reported for edentulous and dentate adults in Ontario. A 1983 study reported that 22% of edentulous and 73% of dentate seniors visited a dentist within the previous year. In 1987, rates of 10% and 46%, respectively, were reported. In 1991, 17% and 72%, respectively, of edentulous and dentate Ontario adults aged 50 years or older reported having seen a dentist or denturist in the previous 12 months.

Certain variables have been found to be associated with dental visitation. Using the Anderson model of predisposing, enabling and need factors related to health service utilization, Evashwick and others reported that, in contrast to physician visits, which were largely explained by the need construct, dental visits were better predicted by predisposing factors. Locker and colleagues determined that dentate, urban-dwelling, dentally insured older adults with higher income and education were more likely to have visited a dentist. Given the large difference in visitation rates between the dentate and edentulous, it may be reasonable to expect the associated variables to be different. These differences have not been well explored in the available literature.

Knowledge of dental visitation rates and the associated determinants are important in understanding and addressing the oral health status of older adults. The purpose of this study was to report these rates among dentate and edentulous older Manitobans in 1991 and 1992, and to assess the determinants of visitation for these 2 groups. Although it has been 15 years since these data were collected, they are reported here to provide a view of the situation at that time.

Methods

Data were derived from the Manitoba Study of Health and Aging (MSHA-1) conducted by the University of Manitoba's Centre on Aging. A complete description of the MSHA-1 study has been published elsewhere and is only briefly summarized here. This cross-sectional study targeted adults, aged ≥ 65 years, living independently. Of an estimated 144,000 people in that age group living in private households in Manitoba, 2,890 who were stratified by age and sex were randomly selected from the Manitoba Health Services Commission (MHSC) list. As a result of over-sampling of the older age groups in the MHSC list, the sample was not representative of the provincial age distribution. For example, although 16.7% of those in the study sample were ≥ 85 years, only 8% of the provincial population was in this age group at the time of this study. This purposive sampling approach was intended to ensure good representation by those who were likely to be facing greater health challenges. For the same reason, these data were used and are presented without adjustment.

Interview

Data in the MSHA-1 were obtained through a series of interviews. Following initial telephone screening for cognitive impairment, these interviews were conducted by telephone, face to face or with caregivers. Questions were asked about sociodemographics, social support, physical and psychosocial well-being, general and oral health, health beliefs and health service utilization.

Risk Variables

Of the 328 variables in the MSHA-1 database, the authors of the current analysis selected those thought to be of interest in understanding dental utilization. These variables, categorized according to the Anderson model of predisposing, enabling and need factors, are presented in Table 1.

Sociodemographic Variables

Sociodemographic variables included the independent variables sex, age, region of residence, years lived in Canada, years of schooling completed, ability to write in English and/or French, employment status, largest source of income and average monthly income.

Health Status Variables

Health status variables included the independent variables physical well-being (e.g., self-perceived general health and health with respect to age), fatigue, ability to see and hear, experience of chronic pain in past 30 days, days spent sick in bed in past 30 days, days spent sick in hospital in past 30 days, number of reported chronic

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health problems, limitation of activities of daily living due to health problems and number of reported limitations to activities of daily living, as well as psychological and psychosocial well-being (e.g., cognitive status, modified mini-mental state score, number of life aspects reported as “dissatisfied,” and self-perceived adequacy of income and assets to satisfy needs). Patterns of service use were also assessed (e.g., having a regular doctor and total number of public/private health services used).

Mental Health Status

Mental health status was assessed by 1 independent variable addressing depression. This variable was created by using the Centre for Epidemiologic Studies’ depression scale. A 4-point scale was used to rate how often negative emotions (described by 20 different statements) were felt during the previous week. Responses were summed to give each participant a score, with higher scores reflecting a greater level of possible depression.

Health Beliefs and Attitudes

Three constructed independent variables addressed health beliefs. Health beliefs and attitudes were assessed using a 5-point Likert scale for 19 statements, which were then categorized to represent 2 dichotomous control loci for health status: external/chance control and internal/self-control. Life satisfaction was measured using a 7-point terrible/delightful scale developed by Andrews and Withey. Participants used the scale to rate how satisfied they felt in terms of 11 different questions on 5 aspects of their lives (health, finances, family relations, friendships and self-esteem). These items were dichotomized into either “less than satisfying” or “satisfying or more.” The items participants responded to as “satisfying or more” were summed to create a new independent variable used to indicate overall level of life satisfaction.

Oral Health Status

Five variables regarding oral health status and the use of dental service were available. Oral health status was defined by 4 questions: “Have you had dental problems (i.e., teeth need care, dentures don’t fit) in the past year?” “Do you wear dentures?” “Do your dentures fit to your satisfaction?” and “How long have you worn dentures?” For the purpose of this study, participants responding positively to the question, “Do you wear dentures?” were classified as edentulous, whereas those responding negatively were classified as dentate.

The fifth question, which addressed dental visitation (“Have you used the services of a dentist in the past 6 months?”) was used as the outcome variable for the purpose of this analysis. Unfortunately, rather than deter-

Table 1 Selected variables from the Manitoba Study of Health and Aging database, categorized according to the Anderson model

<table>
<thead>
<tr>
<th>Predisposing factors</th>
<th>Enabling factors</th>
<th>Need factors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sex</td>
<td>Read English/French</td>
<td>Modified mini-mental state</td>
</tr>
<tr>
<td>Age</td>
<td>Write English/French</td>
<td>Depression score</td>
</tr>
<tr>
<td>Race</td>
<td>Largest source of income</td>
<td>Feel tired</td>
</tr>
<tr>
<td>Employment</td>
<td>Monthly income</td>
<td>Chronic pain</td>
</tr>
<tr>
<td>Spouse employment</td>
<td>Someone to help</td>
<td>Days in hospital last month</td>
</tr>
<tr>
<td>Marital status</td>
<td>Emotional support</td>
<td>Days sick in bed last month</td>
</tr>
<tr>
<td>Live alone</td>
<td>Number of people to count on</td>
<td>Eyesight</td>
</tr>
<tr>
<td>How many people live with</td>
<td>Number of helpers</td>
<td>Hearing</td>
</tr>
<tr>
<td>How is main relative related</td>
<td>Number of companions</td>
<td>Number of health problems</td>
</tr>
<tr>
<td>Children out of household</td>
<td>Troubles prevent activities</td>
<td>General health</td>
</tr>
<tr>
<td>Primary caregiver</td>
<td>Regular physician</td>
<td>Health for age</td>
</tr>
<tr>
<td>Years of education</td>
<td>Cognitive status</td>
<td>Life satisfaction</td>
</tr>
<tr>
<td>Level of schooling</td>
<td>Income satisfaction</td>
<td>Dentate status</td>
</tr>
<tr>
<td>Health beliefs (4 variables)</td>
<td>Region of residence</td>
<td>Dental problem</td>
</tr>
<tr>
<td>Years in Canada</td>
<td>Activities of daily living</td>
<td>Wear dentures</td>
</tr>
<tr>
<td>Number of health services used</td>
<td></td>
<td>Dentures fit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Duration dentures used</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Visit dentist</td>
</tr>
</tbody>
</table>
mining dental visitation within the previous 12 months, the MSHA-1 survey queried dental visitation as 1 variable in a series of 27 questions addressing use of numerous professional services in the previous 6 months. Although use of a visitation period of 6 months allows easy comparison with visitation rates for other professionals, it limits direct comparison with the 12-month dental utilization rates most commonly reported in the literature.

**Ethical Approval**

This study was approved by the Health Research Ethics Board of the University of Manitoba.

**Statistical Analysis**

Associations between the dependent outcome (i.e., having visited a dentist within the past 6 months) and all other variables were assessed using bivariate analyses (analysis of variance and \( \chi^2 \)). All variables showing a significant \( (p < 0.05) \) association on bivariate analyses were entered into stepwise multiple logistic regression to look for independent effects on dental visitation. Separate analyses were conducted for dentate and edentulous participants.

**Results**

**Demographic Characteristics**

Of the 2,890 adults randomly selected from the MHSC sample list, 480 were ineligible (deceased or moved to a personal care home); 162 could not be contacted, and 54 could not be screened (for example, those who were deaf). Of the remaining 2,194 potential participants for the MHSA-1, 443 refused to participate (20.2%). The remaining 1,751 independently living, elderly adults were between 65 and 101 years of age (mean 76.2 years, standard deviation [SD] 7.1) (Table 2). Participants were predominantly white (91.4%), female (58.5%) and married (50.9%). Although 42.0% lived alone, most had some form of social support, such as 1 or more people to count on (96.7%) or to provide emotional support (71.4%), companionship (97.2%) or help (98.3%). In all, 77.0% were born in Canada. Of those born outside Canada, most (64.0%) had lived in Canada for over 60 years and only 2.5% had been in Canada for fewer than 20 years. The mean number of years of education was 6.7 (SD 3.6), with 35.1% completing a minimum level of education at a high school level and < 2% with no formal education. Most participants could read (95.4%) and write (92.1%) in English or French or both. While average monthly household incomes ranged from $200 to $10,000 (mean $1,564.98, SD $1,202.09), fewer than a quarter (24.2%) had a monthly income of $1,800 or above. Old age security and private pensions were most commonly reported as the greatest source of income. Employment was considered to be the largest source of income by < 1% of participants. Most participants (87.0%) felt that their income and assets satisfied their needs adequately or very well. In all, 1,269 participants (72.7% of those who answered the question) were edentulous; only 477 participants (27.3%) were dentate. Most participants reported good general health (75.3%), although nearly a third reported 4 or more limitations in activities of daily living and more than half used 4 or more health services in the previous year (Table 3). Very few (19.5%) reported dental problems in the past year.

**Dentist/Denturist Visitation**

Of the 1,751 participants, 383 (21.9%) reported visiting a dentist or denturist (i.e., licensed provider with a scope of practice limited to care of removable prosthetics) within the previous 6 months. Consistent with previously reported results,29,31 the visitation rate for dentate participants was significantly higher (36.2%) than for edentulous participants (13.5%) based on \( \chi^2 \) analysis \((p < 0.001)\).  

**Table 2** Sociodemographic characteristics of participants

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>No.</th>
<th>Valid %*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age (years)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>65–69</td>
<td>380</td>
<td>21.7</td>
</tr>
<tr>
<td>70–74</td>
<td>336</td>
<td>19.2</td>
</tr>
<tr>
<td>75–79</td>
<td>502</td>
<td>28.7</td>
</tr>
<tr>
<td>≥ 80</td>
<td>533</td>
<td>30.4</td>
</tr>
<tr>
<td>Female</td>
<td>1,025</td>
<td>58.5</td>
</tr>
<tr>
<td>Schooling ≥10 years</td>
<td>843</td>
<td>48.1</td>
</tr>
<tr>
<td>Monthly income ≥ $1,200</td>
<td>753</td>
<td>54.6</td>
</tr>
<tr>
<td>Currently married</td>
<td>890</td>
<td>50.9</td>
</tr>
</tbody>
</table>

*The valid percentage was calculated on the basis of the number of people who answered each question, which was less than 1,751 in some instances.

**Table 3** Health characteristics of participants

<table>
<thead>
<tr>
<th>Variable</th>
<th>No.</th>
<th>Valid %*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self-reported good general health</td>
<td>1,315</td>
<td>75.3</td>
</tr>
<tr>
<td>≥ 4 limitations on activities of daily living</td>
<td>527</td>
<td>30.1</td>
</tr>
<tr>
<td>≥ 4 health services used in past year</td>
<td>982</td>
<td>56.1</td>
</tr>
<tr>
<td>Edentulous</td>
<td>1,269</td>
<td>72.7</td>
</tr>
<tr>
<td>Dental problem in past year</td>
<td>341</td>
<td>19.5</td>
</tr>
</tbody>
</table>

*The valid percentage was calculated on the basis of the number of people who answered each question, which was less than 1,751 in some instances.

Bivariate analysis of dentate participants revealed 18 independent variables that were significantly \((p < 0.05)\) associated with having visited a dentist within the pre-
Dental Service Utilization

Visitation by dentate participants was significantly higher with better reading and writing ability, higher income, higher satisfaction with income, being employed, fewer restrictions on activities of daily living, better eyesight, higher mental function and cognitive status, having others available to provide emotional support, having a regular physician, higher education, not having a recent sickness, urban region of residence, not having an external locus of control (belief that health status is a matter of chance and not under an individual’s control), higher use of other health services, having someone who is not a relative as the person’s main support, and feeling that health is something which must be accepted since there is nothing that can be done about it.

Bivariate analysis of edentulous participants revealed 14 independent variables that were significantly associated with having visited a dentist within the previous 6 months. Visitation by the edentulous participants was significantly higher with being married, better writing ability, higher income and satisfaction with income, being employed, fewer restrictions to the activities of daily living, greater use of health services and residence in a major urban centre had a significant independent positive effect on visitation rate. Sensitivity of the model = 60.9%, specificity of the model = 75.3%.

Table 4  Multiple logistic regression analysis of dental visitation rates by dentate participants

<table>
<thead>
<tr>
<th>Variable</th>
<th>B</th>
<th>p value</th>
<th>OR</th>
<th>95% CI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education</td>
<td>0.388</td>
<td>0.012</td>
<td>1.47</td>
<td>1.09–2.00</td>
</tr>
<tr>
<td>Main supporting relative</td>
<td>0.923</td>
<td>0.013</td>
<td>2.52</td>
<td>1.21–5.22</td>
</tr>
<tr>
<td>Activities of daily living category</td>
<td>0.825</td>
<td>0.030</td>
<td>2.28</td>
<td>1.08–4.81</td>
</tr>
<tr>
<td>Use of health services</td>
<td>0.940</td>
<td>&lt; 0.001</td>
<td>2.56</td>
<td>1.53–4.28</td>
</tr>
<tr>
<td>Region of residence</td>
<td>0.741</td>
<td>0.023</td>
<td>2.10</td>
<td>1.11–3.98</td>
</tr>
</tbody>
</table>

The model shows that higher education, main supporting person not a family member, fewer limitations on activities of daily living, greater use of health services and residence in a major urban centre had a significant independent positive effect on visitation rate. Sensitivity of the model = 60.9%, specificity of the model = 75.3%.

Note: B = regression coefficient, OR = odds ratio, CI = confidence interval.

Table 5  Multiple logistic regression analysis of dental visitation by edentulous participants

<table>
<thead>
<tr>
<th>Variable</th>
<th>B</th>
<th>p value</th>
<th>OR</th>
<th>95% CI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education</td>
<td>0.295</td>
<td>0.011</td>
<td>1.34</td>
<td>1.07–1.69</td>
</tr>
<tr>
<td>Use of health services</td>
<td>1.025</td>
<td>&lt; 0.001</td>
<td>2.97</td>
<td>1.84–4.23</td>
</tr>
<tr>
<td>Dental problems</td>
<td>0.674</td>
<td>0.003</td>
<td>1.96</td>
<td>1.27–3.04</td>
</tr>
<tr>
<td>Length of denture wear (years)</td>
<td>0.528</td>
<td>&lt; 0.001</td>
<td>1.70</td>
<td>1.42–2.02</td>
</tr>
<tr>
<td>Income</td>
<td>0.688</td>
<td>0.004</td>
<td>2.00</td>
<td>1.25–3.17</td>
</tr>
</tbody>
</table>

The model shows that higher education, higher use of health services, recent dental problems, longer length of denture wear and higher income had a significant independent positive effect on visitation rate. Sensitivity of the model = 59.3%, specificity of the model = 85.6%.

Note: B = regression coefficient, OR = odds ratio, CI = confidence interval.

Multivariate Analysis

For dentate participants, multiple logistic regression analysis showed that only 5 variables had a significant independent positive effect on visitation rate: higher education, main supporting person not a family member, fewer limitations on activities of daily living, greater use of health services and residence in a major urban centre (Table 4).

For edentulous participants, multiple logistic regression analysis also showed that 5 variables had a significant independent positive effect on visitation rate: higher education, higher use of health services, recent dental problems, longer length of denture wear and higher income (Table 5).
The importance of dental visitation also applies to edentulous adults. In 1991 and 1992, although edentulism was common among older Manitobans (72.7%), dental visitation within the previous 6 months was not (21.9%). These numbers compare poorly with edentulism and 12-month visitation rates reported for Canada in 2000 (58% and 37%, respectively). Whether the higher rate of edentulism is attributable to the interview question (“Do you wear dentures?”) is not known. Consistent with previous research findings, dentate participants were more than twice as likely to visit a dentist (36.2%) compared with edentulous participants (13.5%). Although some variables predicting visitation were common to both groups (i.e., higher education level and frequent use of professional services), the dentate and edentulous groups each had unique predicting variables.

The Anderson model of health service utilization provides additional insight into what determines dental visitation by dentate and edentulous patients by categorizing associated variables as predisposing, enabling and need factors, which correspond to demographic, economic and health status characteristics, respectively. Unique predictors of visitation for dentate participants included 3 enabling factors: main supporting person not a family member, fewer restrictions on activities of daily living and residing in an urban region. It is interesting that visitation by dentate participants was not explained by any need factors. In contrast, the unique predictors of visitation for edentulous participants included only 1 enabling factor — higher income — and 2 need factors — dental problems and longer duration of denture use. These findings seem to indicate that older dentate participants who visit the dentist do so because they can, while older edentulous participants who visit the dentist do so because they must. It seems likely that the higher visitation rate of dentate participants may reflect visits for preventive reasons.

An unexpected finding of note was that participants whose main supporting person was a family member were less likely to have visited the dentist than those whose main support was a non-family member. Considering that these 2 groups did not differ significantly in terms of limitations on activities of daily living, cognitive status or number of health problems reported, the difference may be related to resistance of family members to provide appropriate support for dental office visits, an issue considered by some to be a form of elder abuse. Another contributing factor could be that older adults are more reluctant to impose on family members for help.

This study investigated dental visitation rates within the previous 6 months rather than the usual 12-month period. Although our results appear to be relatively consistent with those of other studies of Canadian older adults, they cannot be directly compared with previous studies. Furthermore, it is not known whether the associated predictive variables would have been different had participants been queried about visitation in the previous 12 months.

As previously stated, this study is based on data that are now 15 years old. Given the aging of the population and changes in population oral health status that have occurred since 1991, caution should be exercised when interpreting the results in a contemporary context. However, publishing this information at this time will allow for important comparisons to be made by researchers in the future, as we continue to monitor the rates of dental visitation by older Canadians.

### Implications for Future Research and Application

This study provides a first step in identifying the various predictors of dental visitation for independently dwelling dentate and edentulous older adults; these will have implications for both future research and application. Further research should focus on determining the mechanisms through which these variables act. This might be best accomplished by qualitative methods that focus specifically on motivating factors and barriers responsible for older adults visiting or not visiting their dentists. More specifically, a longitudinal study that tracks dental visits by older adults as they move from independent living to more dependent lifestyles would provide valuable information about the factors that help ensure dental visits. If such research replicates current findings — identifying predictors of dental visits such as non-family support and income — steps might be taken to ensure that all older adults have access to dental visits and, thus, improve the oral health and well-being of our aging population.

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The authors have no declared financial interests.

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Independent Living Services (ILS) or Supported Living Services (SLS). Nearly 10 percent of DDS consumers live on their own, in a home or apartment they rent or own, and receive ILS or SLS. (ILS can also be provided to someone who lives in his or her family’s home.) RDHAPs may independently submit insurance claims to receive payment for their services. Currently, 507 RDHAPs are licensed to practice in California and 191 are enrolled as Medi-Cal dental program (Denti-Cal) providers. Dental service utilization calculated as the percentage of beneficiaries who receive any dental procedure during the calendar year. Excludes Medi-Cal beneficiaries enrolled in dental managed care plans due to data limitations. Utilization patterns for dental services show that older Canadians are less likely to visit a dentist than younger Canadians. Oral health is increasingly being seen as essential for maintaining general health and well-being. A major challenge for the dental profession is ensuring that older adults, with their widely variable social and functional status, have appropriate access to dental services. This access is a topic of increased interest and discussion in Canada and elsewhere. Coronal and root decay experience in older adults in Ontario, Canada. J Public Health Dent 1993; 53(3):158–64. Peterson PE. 22. Dolan TA, Atchinson K, Huynh TN. Access to dental care among older adults in the United States. J Dent Educ 2005; 69(9):961–74. Seniors Oral Health Collaboration. The older adults in this sample had relatively high levels of education. Only 28.9% were dissatisfied with their financial status. About a third of respondents (35.8%) rated their general health as fair or poor. MeSH Key Words: Canada/epidemiology; dental health services; emigration and immigration/statistics & numerical data; insurance, dental. Professional ISSUES Use of Dental Services by Immigrant Canadians K. Bruce Newbold, PhD; Amish Patel, BSc. Contact Author Dr. Newbold Email: newbold@mcmaster.ca ABSTRACT Although the health status and health. Disparities in Realized Access: Patterns of Health Services Utilization by Insurance Status among Children with Asthma in Puerto Rico Ruth Ríos-Motta, PhD, José A. Capriles-Quirós, MD, MPH, MHSA, Mario. Skilled Worker Overseas Stream. Manitoba In-Demand Occupations. Federal Immigration Programs. Log into MPNP Online. Settle in Manitoba. Before You Arrive. After You Arrive. Maps and Directories of Services. English and French in Manitoba. Learn About Academic Credential Assessments. Regulated Professions and Trades. Note: Minimum Canadian Language Benchmark (CLB) Levels. The CLB levels listed in the in-demand occupations list are the minimum levels across all Skilled Worker streams; however, some streams/pathways have higher eligibility requirements.