

NATIONAL PHYSICIAN DATABASE



FULL-TIME EQUIVALENT
PHYSICIANS REPORT, CANADA
1999/2000 AND 2000/2001



Canadian Institute
for Health Information
Institut canadien
d'information sur la santé

**Full-time Equivalent Physicians Report
Canada, 1999/2000 and 2000/2001**

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Full-time Equivalent Physicians Report Canada, 1999/2000 and 2000/2001

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Foreword

The Canadian Institute for Health Information (CIHI) is a national organization mandated to coordinate the development and maintenance of a comprehensive and integrated health information system for Canada. One way it fulfills this role is by forging alliances with leaders in the health and health information fields.

CIHI's mission is based upon collaborative planning with all provincial, territorial and federal governments, as well as all other major partners in national health care services. The Institute is responsible for providing accurate and timely information necessary to establish sound health policies, manage the Canadian health system effectively, and create public awareness of factors affecting good health.

The *Full-time Equivalent Physicians Report, Canada, 1999/2000 and 2000/2001* is produced by Health Human Resources at CIHI to support health human resource planning and utilization analysis. CIHI wishes to acknowledge the support of the Provincial/Territorial Health Ministries and the CIHI Expert Group on Physician Databases in the development and publication of this report.

Preface

The Full-time Equivalent Physicians Report, Canada, 1999/2000 and 2000/2001 is the fifth Full-time Equivalent Physicians Report produced by CIHI since the National Physician Database (NPDB) was transferred from Health Canada to CIHI. Other previously produced reports include: the *Full-time Equivalent Physicians Report, Canada, 1989/90 to 1993/94*, the *Full-time Equivalent Physicians Report, Canada, 1993/94 to 1995/96*, the *Full-time Equivalent Physicians Report, Canada, 1996/97 to 1998/99* and the *Full-time Equivalent Physicians Report, Canada, 1998/1999 to 1999/2000* produced in 1997, 1999, 2001 and 2002 respectively by CIHI. The *Full-time Equivalent Physicians, Interprovincial Comparisons, Methodology and Statistics: Supplement 1990/91*, produced in 1992 by the Health Information Division at Health Canada, contained figures derived from the Medical Care Database (MCDB), the predecessor of the National Physician Database (NPDB). In 1995, both databases were transferred to CIHI.

The MCDB was developed following the implementation of the Medical Care Act in 1967 and was used to monitor the services provided and payments made by the provincial/territorial medical insurance plans. The NPDB expanded on the MCDB by including information on physician demographic and practice characteristics, and the age and gender of patients.

Introduction

Federal/provincial/territorial governments, medical stakeholder groups, private companies and researchers have used the National Physician Database (NPDB) as an information resource to estimate full-time equivalent physician counts for Canada.

The Full-time Equivalent (FTE) methodology was developed to:

- provide a consistent basis for comparing physician supply across and within provinces/territories;
- provide a consistent basis for measuring changes through time in physician supply; and
- recognize workload differences among individual specialities.

The figures should be used cautiously when determining physician supply requirements, as non fee-for-service payments are not included at this time.

The current report uses 1995/1996 physician utilization data to establish the base year as required when implementing the FTE methodology. Previously published reports, pertaining to pre 1996/1997 results, used 1985/1986 physician utilization data to establish the base year. In 1998, CIHI commissioned an external review of the NPDB economic indicators, including the FTE methodology. The following recommendation from the review, pertaining to the FTE methodology, was approved by the CIHI Expert Group in 2000/2001.

“A new set of benchmarks and FTE counts should be simulated with 1993/1994 or 1994/1995 data. If CIHI decides to convert to the new benchmarks, they should be indexed back at least 5 or 10 years and the FTEs recalculated.” (The Effects of New Reimbursement Measures on NPDB Economic Indicators, May 1998).

A full simulation exercise was conducted on base year changes and is described in Appendix G of the publication entitled *Full-time Equivalent Physicians Report, Canada, 1996/97 to 1998/99*.

It should be noted that in 2000/2001, Saskatchewan changed its policy allowing those physicians granted a locum license by the College of Physicians and Surgeons of Saskatchewan for more than eleven months to obtain their own billing number. The policy amendment also applied to locums for shorter periods of time where the College indicated the physicians' intent to establish a practice for a period of more than eleven months. In previous years, these locum physicians would have billed through a sponsoring physician who had a billing number. This policy change has the effect of increasing the number of physicians or full-time equivalent physicians and alternately reducing the average payments.

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Methodological Notes

Background

The National Physician Database (NPDB) provides information on the demographic characteristics of physicians and their level of activity within the Canadian medical care system and is used by governments, professional associations, consulting firms, pharmaceutical companies, researchers and the media for medical human resource planning and utilization analysis. The establishment of the database was approved in 1987 by the Conference of Deputy Ministers of Health upon the recommendation of the Advisory Committee on Health Human Resources (ACHHR).

On August 1, 1995, the NPDB was transferred to the Canadian Institute for Health Information (CIHI). CIHI assumed the responsibilities of Health Canada in maintaining the database. Previously, the NPDB was under the direction of the Working Group on Medical Care Statistics (WGMCS), which was disbanded when the database was transferred to CIHI. An Expert Group on Physician Databases was convened in April 1996 and advises CIHI on data quality, methodology and product development matters relating to the NPDB and the Southam Medical Database (SMDB).

The NPDB is a multi-year, multi-phase initiative. Phase 1, which is operational, contains data on the demographic characteristics and activity levels of fee-for-service physicians. Information on activity levels includes total payments, total services, average payment per physician and a full-time equivalent physicians measurement. Phase 2 is adding data on clinical activities remunerated under alternative reimbursement plans (such as salaries, contracts and sessional fees), and Phase 3 will contain data on non-clinical care activities of physicians (such as teaching, research and administration).

Historical Measurement of a Full-time Equivalent (FTE) Physician

In Canada, physician supply has historically been measured in terms of the number of physicians available. These data are often extended to physician/population ratios for comparisons or analyses of changes over time. Traditionally these statistics have been used in planning exercises and for the assessment of policy decisions. In particular they have been used for the following purposes:

- to assess the factors contributing to the increases in medical care costs,
- to provide input to physician manpower requirement studies, and
- to assess trends in physicians' remuneration.

The number of fee-for-service physicians has always been viewed as an important health economic indicator because of the "gatekeeper" role that physicians play in the health care delivery system.

The use of simple counts of physicians for analysis implies that all physicians are equal in terms of their capacity to provide patient care. This is clearly not plausible; some physicians are semi-retired, some work part-time and many are not in active clinical practice. Even considering only fee-for-service physicians, the availability of medical services will vary

considerably as a result of trade-offs individual physicians have made between income and leisure time. To try to produce a more meaningful measurement of physician supply, the practice of counting full-time and full-time equivalent physicians was adopted.

The first and simplest methods of defining full-time physicians involved the use of income thresholds. A dollar amount was specified and any practitioner whose income met or exceeded this amount was counted as one full-time physician. Physicians whose total billing was less than this amount were excluded from the count. The resulting estimates of physician supply depended strongly on what threshold was chosen. Furthermore, the supply of medical services by part-time physicians was ignored in the count. Depending on the choice of threshold, statistics could be generated with this algorithm that indicated anything from a serious lack of physician resources to a complete oversupply of all practitioner specialties. An improvement of this early method involved the counting of part-time physicians as a fraction of a full-time physician.

Apart from the problems caused by the arbitrary choice of income threshold, there are other limitations to this methodology. The statistics are not suitable for any time series analysis as the sub-set of physicians earning in excess of any fixed dollar benchmark will be affected over time by increases in provincial/territorial fee schedules. As well, comparability will be weak because of differing benefit levels among the provinces/territories.

To try to improve jurisdictional, inter-specialty and time series comparisons, thresholds were redefined in terms of percentile levels of physician earnings. For example, instead of counting all physicians receiving payments in excess of \$30,000 as full-time, all practitioners billing within the top 70 percent of physicians could be considered full-time. Percentile thresholds have clear advantages over the dollar values. The impact of benefit schedule increases are automatically adjusted. Jurisdictional comparability is improved but still there is no indication that the full-time benchmark in one province/territory would reflect the same intensity of production as the full-time benchmark in any other jurisdiction. Additionally, percentile thresholds implicitly adjust for changes over time, the service price and the changes in service utilization/volume per physician. Full-time equivalent methods based on the average or median earnings are variations on this methodology.

Development of an Improved Measure of Full-time Equivalence (FTE)

The development of a new measure for FTE was undertaken in 1984 by a working group comprised of representatives from National Health and Welfare, provincial medicare agencies, and academic consultants. The working group identified the following objectives of a FTE measure:

- provide a consistent basis for physician supply comparisons within and across provinces/territories;
- provide a consistent basis for measuring changes through time in physician supply; and
- recognize workload differences among individual specialties.

Conceptual Model

All measures of full-time equivalence are to some degree arbitrary, in the sense that there is no "best" measure to be derived through statistical techniques. The choice of a measure was therefore determined by the objectives, and by data availability. The measure developed by the Working Group was based on the following conceptual model.

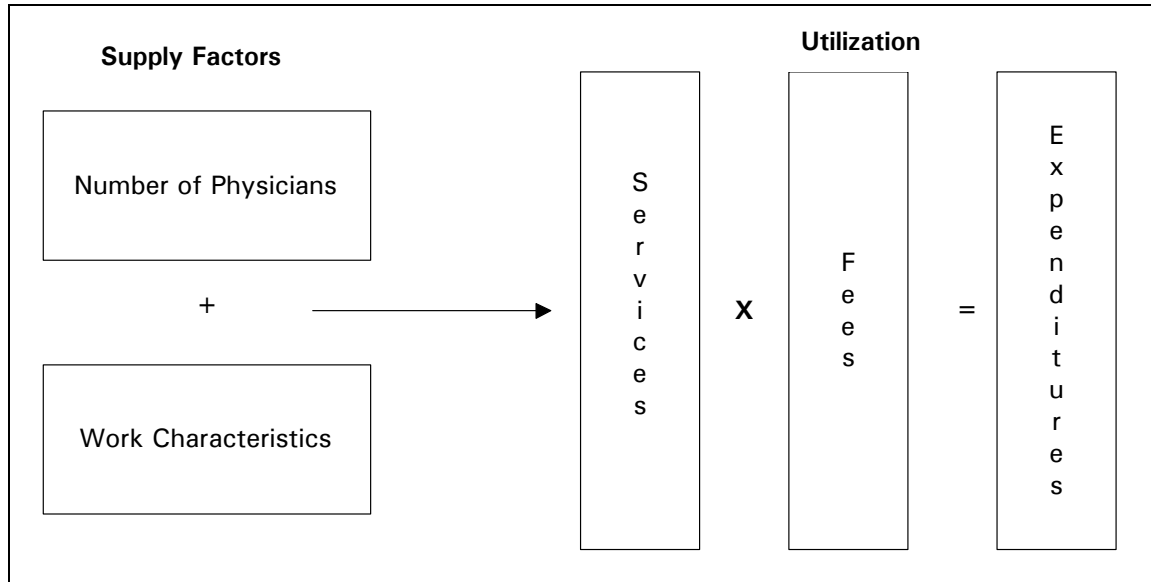


Figure 1. Relationship between income and FTE values

In an economic context, physicians and hours of work are seen as measures of supply. Services produced by physicians are the most basic measure of utilization, while expenditure is the product of services and fees. The relationship between these three variables is illustrated in Figure 1. The realistic choices for estimation of full-time equivalence were (1) hours of work, (2) services provided, and (3) payments.

An internal study indicated a high degree of variability in income per hour worked by fee-for-service physicians, after standardizing for specialty. Consequently, a FTE measure based on hours of work would not provide accurate estimates of the *potential output* (in terms of clinical services) of the physician population. As FTE measures are used most often in a context where output or expenditure is an important consideration, it was decided that a measure of output would be preferable to hours of work, which is essentially an input measure.

Although services are measures of output, they are not weighted for intensity or value. Expenditure measures services weighted by fees. Payments to physicians were therefore chosen as the most appropriate measure of output with which to determine full-time equivalence.

Rationale

In the model adopted, gross income per physician is used to measure output or workload. As there is a wide range of output among physicians within the same specialty, a single cut-off to measure full-time equivalence status did not seem appropriate. It was therefore decided to use a range of output that would be realistic for a typical full-time physician.

It was essential that this range could be defined statistically, and after some experimentation the 40th to 60th percentiles of fee adjusted, nationally defined payment distributions were chosen as the benchmarks within which to measure full-time equivalence.

Simulations of alternative percentiles indicated that the FTE counts were relatively insensitive to different benchmark ranges, as long as those ranges were symmetric (e.g. the 30th to 70th percentiles yielded approximately the same total counts as the 40th to 60th percentiles).

Comprehensiveness

CIHI's current FTE methodology is designed to provide a weighted count of all physicians providing fee-for-service care under the Canadian medicare system. Physicians with payments less than the lower benchmark are counted as fractions of a FTE; physicians within or equal to the benchmarks are counted as one; and physicians above the benchmark are counted as more than one FTE. The decision to count physicians above the benchmark as more than one FTE was based on a recognition that many physicians have large workloads and the FTE measure should reflect this.

At the same time, an algorithm incorporating logarithms was used to prevent high-income physicians from having a very large FTE (for example, a physician whose income is three times the upper benchmark will have a FTE of 2.1, while a physician whose income is four times the upper benchmark will have a FTE of 2.4). The relationship between income and FTE count is illustrated in Figure 2.

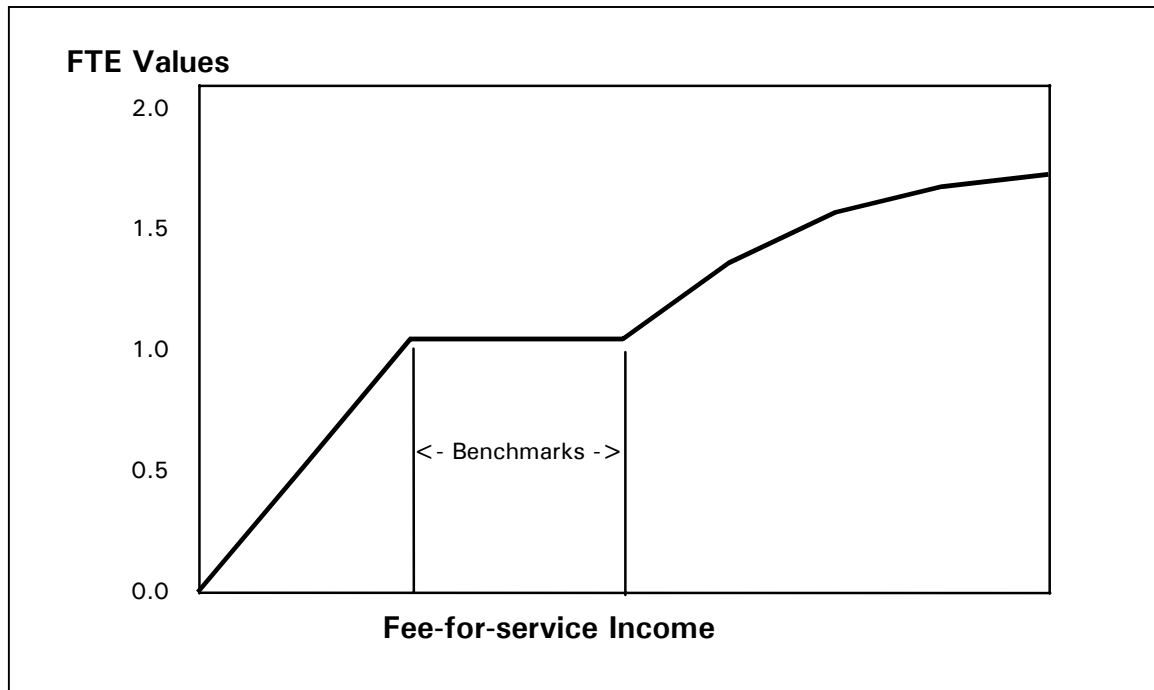


Figure 2. Relationship between income and FTE values.

Consistency

In order to provide consistency across provinces and through time, it was necessary to remove the effects of different fee levels on physician income. The methodology adopted allowed payments to each physician to be standardized for interprovincial fee differences in order to compute national benchmarks for a base year. The national benchmarks were then converted to provincial values. Each year, the provincial benchmarks are indexed by specialty specific fee increases or decreases.

Benchmark values and FTE physician counts vary depending on the base year used for analysis. As of 2001, CIHI's full-time equivalent physician reports, including the current report, use 1995/1996 utilization data to establish a base year for implementing the FTE methodology. Earlier reports used 1985/1986 utilization data. A complete description of how base year changes can affect benchmarks and FTE counts is given in Appendix G of the *Full-time Equivalent Physicians Report, Canada, 1996/97 to 1998/99*, published in 2001.

Data Sources and Collection

NPDB Data

Data are derived from physician fee-for-service claims data submitted by provincial/territorial medical insurance programs to CIHI. The claims data and associated physician and patient demographic data are submitted in seven files, three of which are submitted annually and four quarterly. Quarterly files are submitted usually within six months of the end of a quarter and annual files within six months of the end of the fiscal year.

Files submitted include:

Title	Description
05 File	Utilization by Age/Sex of Patient File
25 File	Dental Services and Other Non-physician Services File (file not submitted by all provinces)
30 File	Reciprocal Billing File (Quebec does not submit this file)
35 File	Physician Characteristics File
40 File	Utilization by Fee Code and UPI File
45 File	Utilization by UPI, Sex and Age Group of Patient File
55 File	Changes to UPI File

Any files that do not meet appropriate layouts, as defined in the NPDB Data Submission Specifications Manual, are returned to the provinces for correction and subsequent re-submission.

For a complete description of the record layouts of these files please see the NPDB Data Submission Specifications Manual, available from the Senior Analyst, NPDB, CIHI.

FTE Figures

Two utilization files are used to create the full-time equivalent figures, Utilization by Fee Code and UPI File (40 File) and the Reciprocal Billing File (30 File). The Utilization by Fee Code and UPI File contains all direct payments for fee-for-service claims by physicians, laboratories and diagnostic facilities as well as services received by medical care plan beneficiaries out-of-province/territory but not processed through the reciprocal billing system (i.e. essentially services received out-of-Canada and in Quebec as well as services excluded from the reciprocal billing agreement). The Reciprocal Billing File contains data on out-of-province/territory services processed by the Reciprocal Billing System. This means each province/territory sends data on services their physicians provided to out-of-province/territory patients. Quebec does not participate in reciprocal billing arrangements.

Type of Data: Date of Service vs. Date of Payment

Generally, utilization data files are submitted on a date of payment basis for Newfoundland, Prince Edward Island, New Brunswick, Manitoba and Saskatchewan and on a date of service basis for Nova Scotia, Quebec, Ontario, Alberta and British Columbia. Provinces submitting on a date of service basis wait six months or until 98 percent of services are captured before submitting data files for processing. Please see Table 1 for a yearly breakdown by province of the type of data file submission.

Table 1. NPDB File Submission: Date of Service (DOS) vs. Date of Payment (DOP)

Prov	1999/2000		2000/2001	
	DOS	DOP	DOS	DOP
Nfld.		✓		✓
P.E.I.		✓		✓
N.S.	✓		✓	
N.B.		✓		✓
Que.	✓		✓	
Ont.	✓		✓	
Man.		✓		✓
Sask.		✓		✓
Alta.	✓		✓	
B.C.	✓		✓	

Type of Data: Billing vs. Payment Data

All provinces, except Quebec, submit payment data. Billing data reflect the full amount the physician billed the provincial Medical Services Plan for a particular fee code item. Payment data reflect what was actually paid to the physician. The amount paid would be the billed amount less any adjustments applied due to threshold values being met, income capping or clawbacks. In Saskatchewan payment data exclude lump sum payments made in lieu of retroactive amendments to the Payment Schedule. These payments totaled \$0.9 million in 1999/2000 and approximately \$11.5 million in 2000/2001.

Payment Mode: Level of Fee-for-service Coverage

The FTE data are based on physician billings/payments for fee-for-service physicians only. The extent to which different forms of non fee-for-service payments are used by provinces to remunerate physicians has changed over the past several years (see Table 2). Many alternative forms of payment such as salaried and sessional have become more commonplace. The use of alternative payment plans differs by province and by specialty.

Alternative forms of reimbursement are currently not submitted to the NPDB and are not included in the statistics presented in this report.

Table 2. Payment Mode: Total Physicians and Percent by Payment Mode¹

Prov	Year	Total Physicians	Percent by Payment Mode			
			FFS Only	Salary Only	Sessional Only	Other ²
Nfld.	1999/2000	948	70	30	N/A	N/A
	2000/2001	941	70	30	"	"
P.E.I.	1999/2000	197	62	4	4	30
	2000/2001	223	55	5	9	31
N.S. ³	1999/2000	1,838	52.8	1.4	0.1	45.7
	2000/2001	1,988	37.9	1.2	0.1	60.8
N.B.	1999/2000	1,350	51.2	4.5	1.0	43.3
	2000/2001	1,355	50.3	5.9	0.8	43.0
Que. ⁴	1999/2000	14,530	83	3	7	7
	2000/2001	14,752	82	3	7	8
Ont. ⁵	1999/2000	20,868	93	N/A	N/A	7
	2000/2001	21,023	83	"	"	17
Man.	1999/2000	2,149	30.2	17.5 Salary/Sessional		52.3
	2000/2001	2,193	30.0	17.2 Salary/Sessional		52.8
Sask.	1999/2000	1,533	81.6	"	"	18.4
	2000/2001	1,565	81.7	"	"	18.3
Alta. ⁶	1999/2000	4,636	98	N/A	1	1
	2000/2001	4,856	98	"	1	1
B.C.	1999/2000	7,957	73.1	0.6	1.4	24.9
	2000/2001	8,074	73.2	0.4	1.5	24.9

N/A = Not applicable.

Notes

1. Some physicians are primarily on one form of alternative reimbursement, but in special cases can bill fee-for-service. For example, In Ontario, physicians under alternative reimbursement plans can bill fee-for-service when treating out-of-province patients and can bill fee-for-service when providing services to in-province patients when the services they are providing are outside the scope of their alternative payment agreement and the services are insured services. In Prince Edward Island, pediatricians on salary can bill fee-for-service when they are on call or if there is a special request from the family for the physician to see their child.
2. "Other" includes physicians who are paid through other single alternative modes (e.g. contract, capitation) as well as those who are paid through any combination of fee-for-service and/or alternative modes.
3. For 1999/2000, Nova Scotia counts include 38 physicians receiving radiology/internal medicine/pathology payments only and 62 physicians receiving psychiatric payments only. Nova Scotia counts for 2000/2001 include 29 physicians receiving radiology/internal medicine/pathology payments only and 49 physicians receiving psychiatric payments only.
4. Payment mode distributions for Quebec are based on the distribution of payments.
5. Figures for Ontario reflect the number of physicians who are eligible to bill on a fee-for-service basis. These counts will differ from those in Appendix E, which reflects physicians who have received payments in each fiscal year. Please contact the Consultant, NPDB for further information.
6. Figures provided are estimates.

Population Data

Canadian population figures used in this publication are compiled by the Demography Division of Statistics Canada. Statistics Canada prepares by special request, estimates of the "covered population" for use with the NPDB data. The covered population reflects people who received medical services paid for by provincial medical insurance programs. The covered population is the total population less the members of the Canadian Armed Forces, the Royal Canadian Mounted Police and inmates in federal penitentiaries. These groups of people have their medical services covered by a federal medical insurance program. Estimates are for October 1 of the given year and are revised annually. See Appendix A for the net population data.

Note to Readers: Readers wishing further information on data provided through the cooperation of Statistics Canada may obtain copies of related publications by mail from: Publication Sales, Statistics Canada, Ottawa, Ontario, K1A 0K9, by calling 1-613-951-7277 or toll free 1-800-267-6677. Readers may also facsimile their order by dialing 1-613-951-1584.

Data Quality

Error/Validation Routines

The NPDB files are derived from provincial/territorial administrative systems and edit checks are conducted on the data prior to processing the NPDB files. As CIHI has no control over provincial/territorial edit checks, all data files received by CIHI are processed through the NPDB error/validation routines. The error/validation routines are limited in scope because the data cannot be confirmed against the source. Error/validation routines include review of the total record counts, service counts and dollar amounts for each file, checking each value in the fields against acceptable values, checking for invalid fee codes, checking for Unique Physician Identifier (UPI) numbers in illogical formats and logical review of the processed data. Any files that do not pass through the error/validation routines are returned to data providers for correction and subsequent re-submission.

Additional Data Quality Checks

Service counts, dollar amounts and other economic indicators are validated against previous years data and provincial/territorial annual reports.

Data providers are given the opportunity to review their own data for validity and consistency. This publication was reviewed by the provincial/territorial medical insurance plan authorization officers prior to publication. For a complete list of the provincial/territorial authorization officers, please see Appendix B.

Data Definitions

Full-time Equivalent (FTE)

A full-time equivalent is a measure that is used to estimate whether a physician is working full-time versus part-time.

Province/Territory of Practice

Province/territory of practice is the jurisdiction where the physician is registered and receives payments from the provincial/territorial medical care plan. Physicians may practice in more than one jurisdiction in a given fiscal year. For example the physician may move from one province to another during the fiscal year, or may provide services in two provinces on a regular basis (e.g. a physician providing services in provincial border areas such as Ottawa-Hull). This can result in the double counting of physicians except at the national level where physician counts are not based on province/territory of practice.

Specialty

Physician specialty designations on the NPDB are assigned by the provincial/territorial medical care plans and grouped within the NPDB to a national equivalent. Of the two specialties, latest acquired certified specialty and plan payment specialty, the latter is used for the purposes of this report.

In three provinces, Nova Scotia, Quebec, and British Columbia, data for Public Health Specialists are reported in the Family Medicine figures. For all provinces/territories, uncertified specialists and Community Medicine are also grouped with Family Medicine except in Ontario, where Community Medicine, Public Health, Occupational Medicine and Pediatric Cardiology are received as Internal Medicine Specialties. Internal Medicine includes the sub-specialties such as Cardiology, Gastroenterology, Haematology, Rheumatology, Genetics and Medical Oncology. Psychiatry includes Neuropsychiatry. Neurology includes EEG specialists, and Physical Medicine includes specialists in Electromyography. Specialists in the double specialty of Ophthalmology/Otolaryngology are included with the Ophthalmologists.

Additionally, the very few Plastic Surgeons and Urologists in Prince Edward Island are grouped into the General Surgery category for privacy and confidentiality reasons.

Physicians in Quebec may have two different status' which include two different specialties, one for in-province billings and one for billings outside Quebec. These two different status' appear on the 35 file (Physician Characteristics File) as two different records with the same Unique Physician Identifier which results in duplicate records on the file as far as individual physician's are concerned. Only the second record is retained on the NPDB system. This results in incorrect specialty assignment for some payments. Approximately 100 physicians per year are affected by this incorrect assignment.

For a complete listing of the specialty designations and their groupings please see Appendix C.

Unique Physician Identifier (UPI)

A unique identifier is created by the province/territory using components of the physician's first and last names (scrambled using an algorithm), the physician's date of birth, sex and place of graduation.

Computations

Counts

All counts are based on the number of physicians receiving payments from each provincial plan on a fee-for-service basis. Canada totals represent the sum of the provincial numbers. Concurrently registered physicians will appear as separate physicians in each province, and will be double counted at the national level.

FTE Measure

1. Select a base year for estimation. The current base year is 1995/1996.
 2. Create a national base year FTE database.
 - Select from the NPDB all the records for physicians who received at least one fee payment during each quarter of the base year for services provided within the physician's province of residence to in-province patients.
 - Create for each province and each specialty of physician, a data set that includes each physician's total payments in this fiscal year.
 - To eliminate the interprovincial differences in payments that are due to differences in fee levels, adjust the gross income of each physician by the relevant Physician Services Benefit Rates (PSBR) index.
- Note:** FTE statistics are not calculated for physicians in the specialties of radiology or laboratory medicine. Physicians who received payments under more than one specialty during the year are assigned to the specialty under which they received the majority of their payments.
3. Calculate base year lower and upper benchmarks.
 - Within each specialty, rank order the payment amounts and establish the distribution of physicians by payment levels.
 - Label the payment value corresponding to the 40th percentile rank as the national lower benchmark and that of the 60th as the national upper benchmark.
 - To calculate the provincial lower and upper benchmarks, adjust the national benchmarks by the PSBR index.
 4. Calculate the benchmarks for years other than the base year.
 - Inflate (or deflate for years prior to the base year) the provincial benchmarks for each specialty by the specialty specific annual fee increase percentages.

5. Create FTE database for estimation.

- Select from the NPDB, all the records for physicians who received at least one fee payment during a fiscal year for services provided within the physician's province of residence to in-province patients.
- Create for each province and each specialty of physicians, a data set that includes each physician's total billing in the fiscal year.

6. Calculate the FTE statistics.

- Count physicians with payments within or equal to the benchmarks as 1 FTE.
- Count physicians with payments below the lower benchmark as a fraction of a FTE equal to the ratio of his/her payments to the lower benchmark.
- Count physicians with payments above the upper benchmark using a log-linear relationship, i.e. as 1 FTE plus the logarithm of the ratio of his/her payments to the upper benchmark.

Data Limitations

Specialty Designations

Provinces/territories are requested to provide two types of specialty information on the NPDB files—latest acquired certified specialty and payment plan specialty. The latest acquired certified specialty is the most recently acquired specialty designation from the Royal College of Physicians and Surgeons of Canada, the Collège des médecins du Québec or the College of Family Physicians of Canada. The payment plan specialty may or may not be different from the latest certified specialty and should reflect the specialty area in which the physician provides the majority of their services. The payment plan specialty is not provided by all provinces/territories.

For the purpose of this report, the payment plan specialty is used. Provinces/territories may provide latest certified specialty instead of plan payment specialty if they do not have the plan payment specialty information available. The latest certified specialty may or may not coincide with specialty orientation of the work actually carried out by a physician.

Additionally, any physician who practised under more than one specialty during the fiscal year was assigned the specialty under which he/she received the majority of his/her payments.

CIHI full-time equivalent physician statistics may vary from provincial/territorial statistics because of differences in the way specialties are grouped. For example, CIHI groups Neuropsychiatry in with Psychiatry whereas Quebec groups it with Neurology. CIHI includes Electromyography with Physical Medicine whereas Quebec does not. The subspecialties which constitute CIHI's Internal Medicine Specialty are reported individually in Quebec reports. Please see Appendix C for CIHI specialty groupings.

Finally, base year FTE benchmark calculations for Quebec include payments made through the provincial workers' compensation board. Similar payments are not reported by other provinces/territories, except British Columbia where such payments are reported after the base year (1995/1996). As such, this report includes workers' compensation payments for Quebec and excludes them for British Columbia. In order to improve interprovincial comparability, future NPDB reports will exclude workers' compensation payments from base year benchmark calculations as well as other NPDB indicators.

Radiology and Pathology (Laboratory) Physicians

Radiologists, pathologists and laboratory directors are excluded from this report. Payments for radiology and laboratory services performed by a physician, who is neither a radiologist, pathologist nor laboratory director, are included. Medical care plan fee payments to radiologists or pathologists are nil or very small in the four Atlantic provinces, relatively small in Quebec, but substantial in other jurisdictions. Omitting such payments in all provinces improves interprovincial comparability. See Appendix D for information on the extent of fee-for-service payments for radiology and laboratory services that are included in the NPDB data files, but excluded from this report.

Privacy and Confidentiality

There are three safeguards utilized by CIHI to protect the privacy and confidentiality of the physician data.

Unique Physician Identifier (UPI)

Physician names are not used on the provincial/territorial files. Instead, a Unique Physician Identifier (UPI) is generated by the data provider using components of the physician's name, their date of birth, gender and place of graduation. The name portion of the UPI is scrambled using an algorithm known only to the provinces/territories. The UPI helps protect the privacy and confidentiality of the physician and allows for the tracking of the physician throughout their career in Canada.

NPDB Data Access/Release Policy

The release of data from the NPDB is governed by the NPDB Data Access/Release Policy which was established by the provincial/territorial ministries of health and is administered by CIHI. Depending on the type of client, the level of data aggregation, the province/territory and indicator of interest, CIHI may not be able to release data to the client without prior approval from the province(s)/territory(ies). This policy is in place to help protect the privacy and confidentiality of the physicians.

CIHI Privacy and Confidentiality Policy

The release of any data from NPDB, whether as a regular product or as a custom request, is governed by CIHI's *Principles and Policies for the Protection of Personal Health Information and Policies for Institution-identifiable Information*. Refer to CIHI's Web site (www.cihi.ca) for further information including a copy of the policies and procedures document.

Products and Services

There are three types of products that are generated from the NPDB—ad hoc requests, publications and special projects. Ad hoc requests are generally short queries that do not require major programming resources. Services counts and dollars amounts by specific fee codes or procedures are the most common forms of ad hoc request. Most ad hoc requests can be handled through standard reports that are generated annually. Publications currently available include:

- Average Payment per Physician Report, Canada
- Full-time Equivalent Physicians Report, Canada
- National Grouping System Categories Report, Canada
- Reciprocal Billing Report, Canada

For details on publication years and reporting periods covered by these reports, please refer to the CIHI Web site (www.cihi.ca).

Special projects require project planning and the commitment of extra resources. Please contact Health Human Resources at CIHI for costs associated with these products and services.

Data Tables

Table 1-1: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, by Year and Type of Practice

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
1999/2000											
Family Medicine	431.29	104.71	627.62	501.39	5,499.93	9,977.99	749.56	810.26	2,363.04	3,432.97	24,498.76
Medical Specialties	163.12	29.93	228.29	226.83	3,801.63	5,983.94	427.11	261.68	1,081.83	1,493.78	13,698.14
Surgical Specialties	95.91	28.36	213.75	181.49	1,782.07	2,808.19	220.95	204.18	525.12	789.50	6,849.52
Total Specialties	259.03	58.29	442.04	408.32	5,583.70	8,792.13	648.06	465.86	1,606.95	2,283.28	20,547.66
Total Physicians	690.32	163.00	1,069.66	909.71	11,083.63	18,770.12	1,397.62	1,276.12	3,969.99	5,716.25	45,046.42
2000/2001											
Family Medicine	382.89	102.87	618.10	502.36	5,582.18	10,056.66	793.89	836.54	2,452.49	3,434.38	24,762.36
Medical Specialties	175.15	30.97	227.37	221.60	3,529.70	6,126.54	464.10	271.04	1,129.15	1,504.54	13,680.16
Surgical Specialties	103.67	28.06	215.00	178.56	1,701.00	2,875.06	226.99	206.69	536.06	776.65	6,847.74
Total Specialties	278.82	59.03	442.37	400.16	5,230.70	9,001.60	691.09	477.73	1,665.21	2,281.19	20,527.90
Total Physicians	661.71	161.90	1,060.47	902.52	10,812.88	19,058.26	1,484.98	1,314.27	4,117.70	5,715.57	45,290.26

Source: NPDB, CIHI

Table 1-2: Percent Change in Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, from Year to Year by Type of Practice

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
1999/2000 and 2000/2001											
Family Medicine	-11.22	-1.76	-1.52	0.19	1.50	0.79	5.91	3.24	3.79	0.04	1.08
Medical Specialties	7.37	3.47	-0.40	-2.31	-7.15	2.38	8.66	3.58	4.37	0.72	-0.13
Surgical Specialties	8.09	-1.06	0.58	-1.61	-4.55	2.38	2.73	1.23	2.08	-1.63	-0.03
Total Specialties	7.64	1.27	0.07	-2.00	-6.32	2.38	6.64	2.55	3.63	-0.09	-0.10
Total Physicians	-4.14	-0.67	-0.86	-0.79	-2.44	1.54	6.25	2.99	3.72	-0.01	0.54

Source: NPDB, CIHI

* Canada totals are ten province totals, the Yukon and Northwest Territories are not available.

n/a = Not Applicable - There were no full-time equivalent fee-for-service physicians for this specialty for this province.

Notes

Based on gross payments.

Physicians paid under alternative forms of reimbursement such as salary and sessional are not included.

Please refer to tables 4-1 to 5-21 for detailed footnotes by specialty.

Table 2-1: Full-time Equivalent Fee-for-service Physicians by Specialty, Canada and the Provinces, 1999/2000

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Family Medicine	431.29	104.71	627.62	501.39	5,499.93	9,977.99	749.56	810.26	2,363.04	3,432.97	24,498.76
Medical Specialties	163.12	29.93	228.29	226.83	3,801.63	5,983.94	427.11	261.68	1,081.83	1,493.78	13,698.14
Internal Medicine	75.29	13.18	67.50	93.78	1,520.30	2,315.51	144.76	107.23	380.46	477.24	5,195.25
Neurology	6.42	0.37	6.22	15.01	196.06	192.99	14.69	15.75	41.70	67.77	556.98
Psychiatry	26.82	5.16	50.98	28.48	828.54	1,616.29	96.96	39.42	268.39	375.07	3,336.11
Pediatrics	22.57	3.72	21.04	25.62	489.68	756.13	76.16	32.91	163.61	150.67	1,742.11
Dermatology	4.00	0.67	7.38	5.98	170.44	161.73	7.42	3.69	36.29	47.37	444.97
Physical Medicine	0.01	0.17	4.66	4.11	87.97	129.95	9.09	3.51	12.74	20.37	272.58
Anesthesia	28.01	6.66	70.51	53.85	508.64	811.34	78.03	59.17	178.64	355.29	2,150.14
Surgical Specialties	95.91	28.36	213.75	181.49	1,782.07	2,808.19	220.95	204.18	525.12	789.50	6,849.52
General Surgery	27.61	11.85	52.26	35.68	426.91	722.61	51.61	53.28	119.42	176.83	1,678.06
Thoracic/Cardiovascular Surgery	3.71	n/a	14.59	10.09	68.64	24.40	14.03	10.47	19.43	24.81	190.17
Urology	7.91	1.72	18.83	17.03	124.16	206.80	14.35	15.30	32.18	66.73	505.01
Orthopedic Surgery	11.49	3.73	23.13	27.34	270.76	351.07	31.06	25.77	75.37	113.71	933.43
Plastic Surgery	1.58	**	10.42	12.34	90.77	142.48	14.10	14.48	32.40	47.42	365.99
Neurosurgery	4.34	n/a	0.13	3.64	48.05	64.85	5.75	3.93	18.40	27.55	176.64
Ophthalmology	10.64	3.61	47.29	28.29	265.02	427.68	25.93	32.99	87.01	155.90	1,084.36
Otolaryngology	9.66	1.72	11.38	14.38	158.85	214.97	12.96	12.73	33.02	57.51	527.18
Obstetrics/Gynecology	18.97	5.73	35.72	32.70	328.91	653.33	51.16	35.23	107.89	119.04	1,388.68
Total Specialties	259.03	58.29	442.04	408.32	5,583.70	8,792.13	648.06	465.86	1,606.95	2,283.28	20,547.66
Total Physicians	690.32	163.00	1,069.66	909.71	11,083.63	18,770.12	1,397.62	1,276.12	3,969.99	5,716.25	45,046.42

Source: NPDB, CIHI

* Canada totals are ten province totals, the Yukon and Northwest Territories are not available.

** PEI plastic surgeons are included with general surgeons.

n/a = Not Applicable - There were no full-time equivalent fee-for-service physicians for this specialty for this province.

Notes

Based on gross payments.

Physicians paid under alternative forms of reimbursement such as salary and sessional are not included.

Quebec and New Brunswick figures are based solely on direct physician payments.

Please refer to tables 4-1 to 4-21 for detailed footnotes by specialty.

Table 2-2: Full-time Equivalent Fee-for-service Physicians by Specialty, Canada and the Provinces, 2000/2001

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Family Medicine	382.89	102.87	618.10	502.36	5,582.18	10,056.66	793.89	836.54	2,452.49	3,434.38	24,762.36
Medical Specialties	175.15	30.97	227.37	221.60	3,529.70	6,126.54	464.10	271.04	1,129.15	1,504.54	13,680.16
Internal Medicine	77.53	13.10	68.77	94.49	1,481.74	2,421.85	162.96	111.80	392.53	489.48	5,314.25
Neurology	5.64	0.48	7.24	14.76	177.00	194.02	15.93	18.16	43.51	66.00	542.74
Psychiatry	30.09	5.27	49.36	25.59	697.40	1,614.63	102.96	40.88	279.04	378.23	3,223.45
Pediatrics	22.62	3.00	19.24	25.40	456.47	762.70	78.96	33.48	175.85	150.13	1,727.85
Dermatology	4.25	0.67	8.00	5.26	161.52	156.12	7.62	3.95	37.21	46.38	430.98
Physical Medicine	n/a	0.11	4.41	3.72	81.84	136.09	11.49	3.62	13.20	21.09	275.57
Anesthesia	35.02	8.34	70.35	52.38	473.73	841.13	84.18	59.15	187.81	353.23	2,165.32
Surgical Specialties	103.67	28.06	215.00	178.56	1,701.00	2,875.06	226.99	206.69	536.06	776.65	6,847.74
General Surgery	25.75	11.96	52.12	35.56	399.60	734.77	52.74	51.04	121.68	154.48	1,639.70
Thoracic/Cardiovascular Surgery	5.16	n/a	13.95	9.39	71.06	25.25	14.75	10.45	20.02	40.67	210.70
Urology	7.52	2.29	18.82	16.66	118.93	214.82	14.61	14.16	32.74	63.38	503.93
Orthopedic Surgery	14.71	3.88	24.73	27.16	256.84	367.03	32.30	29.34	76.63	113.66	946.28
Plastic Surgery	2.86	**	11.01	12.23	81.03	140.96	13.00	14.80	32.90	45.70	354.49
Neurosurgery	4.74	n/a	0.85	3.57	41.23	64.96	4.88	5.88	17.42	26.34	169.87
Ophthalmology	11.57	3.23	47.91	27.83	270.00	428.48	27.57	33.05	89.70	154.93	1,094.27
Otolaryngology	11.12	1.00	8.74	13.95	149.81	221.13	13.50	12.50	33.53	58.20	523.48
Obstetrics/Gynecology	20.24	5.70	36.87	32.21	312.50	677.66	53.64	35.47	111.44	119.29	1,405.02
Total Specialties	278.82	59.03	442.37	400.16	5,230.70	9,001.60	691.09	477.73	1,665.21	2,281.19	20,527.90
Total Physicians	661.71	161.90	1,060.47	902.52	10,812.88	19,058.26	1,484.98	1,314.27	4,117.70	5,715.57	45,290.26

Source: NPDB, CIHI

* Canada totals are ten province totals, the Yukon and Northwest Territories are not available.

** PEI plastic surgeons are included with general surgeons.

n/a = Not Applicable - There were no full-time equivalent fee-for-service physicians for this specialty for this province.

Notes

Based on gross payments.

Physicians paid under alternative forms of reimbursement such as salary and sessional are not included.

Quebec and New Brunswick figures are based solely on direct physician payments.

Please refer to tables 5-1 to 5-21 for detailed footnotes by specialty.

Table 3-1: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, by Year and Gender

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
1999/2000											
Males	544.54	143.74	798.69	718.52	8,071.61	14,751.89	1,109.00	1,038.88	3,054.71	4,545.58	34,777.16
Females	145.78	19.26	270.97	191.19	3,012.02	4,018.23	288.62	237.24	915.28	1,170.10	10,268.69
Unknown	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.57	0.57
Total	690.32	163.00	1,069.66	909.71	11,083.63	18,770.12	1,397.62	1,276.12	3,969.99	5,716.25	45,046.42
2000/2001											
Males	521.35	140.61	793.99	710.56	7,795.03	14,903.80	1,171.94	1,068.93	3,151.51	4,540.11	34,797.83
Females	140.36	21.29	266.48	191.96	3,017.85	4,154.46	313.04	245.34	966.19	1,174.42	10,491.39
Unknown	n/a	0.00	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.04	1.04
Total	661.71	161.90	1,060.47	902.52	10,812.88	19,058.26	1,484.98	1,314.27	4,117.70	5,715.57	45,290.26

Source: NPDB, CIHI

Table 3-2: Fee-for-service Physician Counts, Canada and the Provinces, by Year and Gender

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
1999/2000											
Males	643.00	181.00	1,022.00	830.00	8,379.00	14,717.00	1,333.00	1,056.00	3,208.00	5,317.00	36,686.00
Females	201.00	40.00	434.00	284.00	3,979.00	5,110.00	453.00	341.00	1,244.00	1,849.00	13,935.00
Unknown	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2.00	2.00
Total	844.00	221.00	1,456.00	1,114.00	12,358.00	19,827.00	1,786.00	1,397.00	4,452.00	7,168.00	50,623.00
2000/2001											
Males	604.00	173.00	1,041.00	835.00	8,470.00	14,704.00	1,356.00	1,109.00	3,337.00	5,363.00	36,992.00
Females	209.00	40.00	452.00	292.00	4,185.00	5,301.00	470.00	365.00	1,321.00	1,904.00	14,539.00
Unknown	n/a	1.00	n/a	n/a	n/a	n/a	n/a	n/a	n/a	3.00	4.00
Total	813.00	214.00	1,493.00	1,127.00	12,655.00	20,005.00	1,826.00	1,474.00	4,658.00	7,270.00	51,535.00

Source: NPDB, CIHI

* Canada totals are ten province totals, the Yukon and Northwest Territories being not currently available.

n/a = Not Applicable - There were no full-time equivalent fee-for-service physicians for this category for this province.

Notes

Physicians paid under alternative forms of reimbursement such as salary and sessional are not included.

Please refer to tables 4-1 to 5-21 for detailed footnotes by specialty.

Table 3-3: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, by Year and Age Group

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
1999/2000											
20-29	9.40	1.07	6.08	13.58	178.86	103.93	14.59	18.69	39.79	26.30	412.29
30-39	142.49	30.58	213.98	224.72	2,782.39	3,908.44	283.40	296.10	914.03	1,215.88	10,012.01
40-49	247.89	58.04	398.61	311.12	3,985.35	6,417.13	515.17	368.86	1,587.82	2,092.79	15,982.78
50-59	204.41	43.85	292.84	238.33	2,793.88	5,046.65	345.76	334.84	982.27	1,666.96	11,949.79
60-69	68.18	24.24	129.25	103.58	1,150.99	2,531.98	185.38	196.97	377.07	597.86	5,365.50
70-79	17.68	4.59	23.96	15.86	169.91	688.04	51.39	58.22	61.35	110.29	1,201.29
80+	0.25	0.34	1.68	2.52	22.25	62.22	1.93	2.44	5.17	6.17	104.97
Unknown	0.02	0.29	3.26	n/a	n/a	11.73	n/a	n/a	2.49	n/a	17.79
Total	690.32	163.00	1,069.66	909.71	11,083.63	18,770.12	1,397.62	1,276.12	3,969.99	5,716.25	45,046.42
2000/2001											
20-29	3.05	0.68	6.39	12.83	173.05	93.27	15.66	23.71	38.93	30.82	398.39
30-39	135.37	34.29	198.76	217.89	2,578.41	3,828.11	289.59	290.21	956.88	1,156.47	9,685.98
40-49	235.38	55.88	387.48	315.67	3,926.47	6,355.13	524.69	406.28	1,588.83	2,059.08	15,854.89
50-59	204.54	40.59	317.85	234.67	2,777.19	5,367.56	397.02	342.96	1,078.41	1,722.74	12,483.53
60-69	65.40	25.30	118.75	101.88	1,135.78	2,599.30	201.20	188.51	378.03	625.58	5,439.73
70-79	17.81	4.97	25.01	17.41	201.79	730.40	52.44	59.48	70.91	115.37	1,295.59
80+	0.16	0.19	2.95	2.17	19.30	71.58	3.39	3.12	4.17	5.51	112.54
Unknown	n/a	0.00	3.28	n/a	0.89	12.91	0.99	n/a	1.54	n/a	19.61
Total	661.71	161.90	1,060.47	902.52	10,812.88	19,058.26	1,484.98	1,314.27	4,117.70	5,715.57	45,290.26

Source: NPDB, CIHI

* Canada totals are ten province totals, the Yukon and Northwest Territories being not currently available.

n/a = Not Applicable - There were no full-time equivalent fee-for-service physicians for this category for this province.

Notes

Physicians paid under alternative forms of reimbursement such as salary and sessional are not included.

Please refer to tables 4-1 to 5-21 for detailed footnotes by specialty.

Table 3-4: Fee-for-service Physician Counts, Canada and the Provinces, by Year and Age Group

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
1999/2000											
20-29	26	3	23	27	288	180	27	31	63	69	737
30-39	233	42	343	316	3,259	4,492	440	356	1,132	1,712	12,325
40-49	283	77	514	352	4,224	6,237	617	403	1,665	2,426	16,798
50-59	187	50	342	244	2,884	4,680	369	328	985	1,877	11,946
60-69	82	32	174	128	1,333	2,703	220	197	447	824	6,140
70-79	31	11	53	38	304	1,158	106	74	131	248	2,154
80+	1	2	4	9	66	167	7	8	25	12	301
Unknown	1	4	3	n/a	n/a	210	n/a	n/a	4	n/a	222
Total	844	221	1,456	1,114	12,358	19,827	1,786	1,397	4,452	7,168	50,623
2000/2001											
20-29	15	2	21	22	290	161	42	46	57	83	739
30-39	218	47	346	302	3,196	4,432	422	366	1,198	1,649	12,176
40-49	272	72	517	368	4,322	6,214	624	437	1,683	2,461	16,970
50-59	201	46	374	247	3,042	4,908	405	337	1,100	1,956	12,616
60-69	77	34	172	136	1,391	2,717	228	201	453	838	6,247
70-79	29	9	50	44	350	1,195	96	77	143	267	2,260
80+	1	3	10	8	63	188	8	10	21	16	328
Unknown	n/a	1	3	n/a	1	190	1	n/a	3	n/a	199
Total	813	214	1,493	1,127	12,655	20,005	1,826	1,474	4,658	7,270	51,535

Source: NPDB, CIHI

* Canada totals are ten province totals, the Yukon and Northwest Territories being not currently available.
n/a = Not Applicable - There were no full-time equivalent fee-for-service physicians for this category for this province.

Notes

Physicians paid under alternative forms of reimbursement such as salary and sessional are not included.
Please refer to tables 4-1 to 5-21 for detailed footnotes by specialty.

Table 3-5: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, by Year and Place of MD Graduation

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
1999/2000											
Canada	452.90	136.75	819.53	743.67	9,730.66	13,864.67	902.66	556.57	2,769.97	4,067.97	34,045.35
USA	3.46	1.57	10.03	2.08	60.16	132.46	3.80	5.09	26.73	52.56	297.94
Other	232.49	21.85	236.63	163.23	n/a	4,693.33	491.16	714.46	1,141.14	1,488.43	9,182.72
Unknown	1.47	2.83	3.47	0.73	1,292.81	79.66	n/a	n/a	32.15	107.29	1,520.41
Total	690.32	163.00	1,069.66	909.71	11,083.63	18,770.12	1,397.62	1,276.12	3,969.99	5,716.25	45,046.42
2000/2001											
Canada	433.00	136.04	819.07	742.56	9,522.60	14,131.67	959.77	564.58	2,860.50	4,057.63	34,227.42
USA	4.78	1.66	8.79	2.24	59.66	125.35	5.03	3.65	29.18	54.67	295.01
Other	221.34	22.68	228.68	154.66	n/a	4,682.71	520.18	746.04	1,195.00	1,495.66	9,266.95
Unknown	2.59	1.52	3.93	3.06	1,230.62	118.53	n/a	n/a	33.02	107.61	1,500.88
Total	661.71	161.90	1,060.47	902.52	10,812.88	19,058.26	1,484.98	1,314.27	4,117.70	5,715.57	45,290.26

Source: NPDB, CIHI

Table 3-6: Fee-for-service Physician Counts, Canada and the Provinces, by Year and Place of MD Graduation

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
1999/2000											
Canada	499	180	1,103	910	10,898	15,038	1,198	672	3,167	5,192	38,857
USA	3	2	17	4	73	156	9	6	32	80	382
Other	321	33	330	196	n/a	4,511	579	719	1,213	1,764	9,666
Unknown	21	6	6	4	1,387	122	n/a	n/a	40	132	1,718
Total	844	221	1,456	1,114	12,358	19,827	1,786	1,397	4,452	7,168	50,623
2000/2001											
Canada	479	168	1,135	916	11,171	15,251	1,216	667	3,315	5,265	39,583
USA	7	2	17	4	79	158	10	5	35	83	400
Other	312	37	331	198	n/a	4,439	600	802	1,271	1,790	9,780
Unknown	15	7	10	9	1,405	157	n/a	n/a	37	132	1,772
Total	813	214	1,493	1,127	12,655	20,005	1,826	1,474	4,658	7,270	51,535

Source: NPDB, CIHI

* Canada totals are ten province totals, the Yukon and Northwest Territories being not currently available.
n/a = Not Applicable - There were no full-time equivalent fee-for-service physicians for this category for this province.

Notes

Physicians paid under alternative forms of reimbursement such as salary and sessional are not included.
Please refer to tables 4-1 to 5-21 for detailed footnotes by specialty.

Table 4-1: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 1999/2000

Family Medicine

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	273	68	506	338	2,705	4,099	443	408	1,174	2,367	12,381
# of FTE's	65.71	17.84	205.98	147.78	1,216.86	1,825.27	154.02	145.43	635.25	1,217.88	5,632.02
Within the Benchmarks											
# Physicians and FTE's	37	16	177	89	1,164	1,620	105	101	512	994	4,815
Above the Higher Benchmark											
# Physicians	227	54	198	206	2,544	4,831	367	396	930	1,012	10,765
# of FTE's	328.58	70.87	244.64	264.61	3,119.07	6,532.72	490.54	563.83	1,215.79	1,221.09	14,051.74
Total Physicians											
# Physicians	537	138	881	633	6,413	10,550	915	905	2,616	4,373	27,961
# of FTE's	431.29	104.71	627.62	501.39	5,499.93	9,977.99	749.56	810.26	2,363.04	3,432.97	24,498.76

Source: NPDB, CIHI

Table 4-2: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 1999/2000

Medical Specialists

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	85	36	180	110	1,565	2,566	365	144	624	914	6,589
# of FTE's	31.25	9.39	79.11	33.76	811.91	1,082.12	165.20	69.94	311.38	455.39	3,049.45
Within the Benchmarks											
# Physicians and FTE's	25	7	68	42	872	1,024	102	52	258	328	2,778
Above the Higher Benchmark											
# Physicians	76	11	66	110	1,622	2,712	122	94	375	553	5,741
# of FTE's	106.87	13.54	81.18	151.07	2,117.72	3,877.82	159.91	139.74	512.45	710.39	7,870.69
Total Physicians											
# Physicians	186	54	314	262	4,059	6,302	589	290	1,257	1,795	15,108
# of FTE's	163.12	29.93	228.29	226.83	3,801.63	5,983.94	427.11	261.68	1,081.83	1,493.78	13,698.14

Source: NPDB, CIHI

* Canada totals are ten province totals, the Yukon and Northwest Territories are not available.

n/a = Not Applicable - There were no full-time equivalent fee-for-service physicians for this specialty for this province.

Notes

Benchmarks are based on the 40th and 60th percentiles.

Base year 1995/96.

Based on gross payments.

Physicians paid under alternative forms of reimbursement such as salary and sessional are not included.

Table 4-3: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 1999/2000

Internal Medicine

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	33	9	48	32	591	943	154	57	218	246	2,331
# of FTE's	9.85	2.84	19.13	9.75	312.16	399.66	59.05	26.10	99.99	111.98	1,050.51
Within the Benchmarks											
# Physicians and FTE's	13	4	28	12	386	351	24	11	78	112	1,019
Above the Higher Benchmark											
# Physicians	37	5	16	49	641	1,017	44	46	138	188	2,181
# of FTE's	52.44	6.34	20.37	72.03	822.14	1,564.85	61.71	70.13	202.47	253.26	3,125.74
Total Physicians											
# Physicians	83	18	92	93	1,618	2,311	222	114	434	546	5,531
# of FTE's	75.29	13.18	67.50	93.78	1,520.30	2,315.51	144.76	107.23	380.46	477.24	5,195.25

Source: NPDB, CIHI

Table 4-4: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 1999/2000

Neurology and EEG

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	3	3	1	1	59	89	6	3	30	37	232
# of FTE's	1.98	0.37	0.53	0.36	29.45	40.79	2.56	0.34	15.12	14.29	105.79
Within the Benchmarks											
# Physicians and FTE's	1	0	1	1	35	28	4	3	17	22	112
Above the Higher Benchmark											
# Physicians	3	0	4	9	93	80	6	8	7	24	234
# of FTE's	3.44	0.00	4.69	13.65	131.61	124.20	8.13	12.41	9.58	31.48	339.19
Total Physicians											
# Physicians	7	3	6	11	187	197	16	14	54	83	578
# of FTE's	6.42	0.37	6.22	15.01	196.06	192.99	14.69	15.75	41.70	67.77	556.98

Source: NPDB, CIHI

* Canada totals are ten province totals, the Yukon and Northwest Territories are not available.

n/a = Not Applicable - There were no full-time equivalent fee-for-service physicians for this specialty for this province.

Notes

Benchmarks are based on the 40th and 60th percentiles.

Base year 1995/96.

Based on gross payments.

Physicians paid under alternative forms of reimbursement such as salary and sessional are not included.

Table 4-5: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 1999/2000

Psychiatry and Neuropsychiatry

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	7	11	53	31	439	719	76	18	101	302	1,757
# of FTE's	2.02	1.98	20.42	8.04	220.88	337.40	34.23	8.89	51.91	167.63	853.40
Within the Benchmarks											
# Physicians and FTE's	1	2	16	1	189	314	30	9	51	92	705
Above the Higher Benchmark											
# Physicians	15	1	11	15	311	709	26	13	125	93	1,319
# of FTE's	23.80	1.18	14.56	19.44	418.66	964.89	32.73	21.53	165.48	115.44	1,777.71
Total Physicians											
# Physicians	23	14	80	47	939	1,742	132	40	277	487	3,781
# of FTE's	26.82	5.16	50.98	28.48	828.54	1,616.29	96.96	39.42	268.39	375.07	3,336.11

Source: NPDB, CIHI

Table 4-6: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 1999/2000

Pediatrics

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	27	5	17	17	215	397	57	25	127	148	1,035
# of FTE's	10.77	1.05	7.37	3.66	104.23	100.25	23.78	11.27	53.99	64.32	380.69
Within the Benchmarks											
# Physicians and FTE's	3	0	9	7	127	130	15	12	40	45	388
Above the Higher Benchmark											
# Physicians	6	2	4	11	194	365	28	7	53	34	704
# of FTE's	8.80	2.67	4.67	14.96	258.45	525.88	37.38	9.64	69.62	41.35	973.42
Total Physicians											
# Physicians	36	7	30	35	536	892	100	44	220	227	2,127
# of FTE's	22.57	3.72	21.04	25.62	489.68	756.13	76.16	32.91	163.61	150.67	1,742.11

Source: NPDB, CIHI

* Canada totals are ten province totals, the Yukon and Northwest Territories are not available.

n/a = Not Applicable - There were no full-time equivalent fee-for-service physicians for this specialty for this province.

Notes

Benchmarks are based on the 40th and 60th percentiles.

Base year 1995/96.

Based on gross payments.

Physicians paid under alternative forms of reimbursement such as salary and sessional are not included.

Table 4-7: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 1999/2000

Dermatology

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	0	1	10	6	67	79	8	4	13	43	231
# of FTE's	0.00	0.67	6.04	4.98	41.67	36.08	4.33	1.61	8.83	24.70	128.91
Within the Benchmarks											
# Physicians and FTE's	4	0	0	1	38	35	1	1	7	12	99
Above the Higher Benchmark											
# Physicians	0	0	1	0	77	73	2	1	14	8	176
# of FTE's	0.00	0.00	1.34	0.00	90.77	90.65	2.09	1.08	20.46	10.67	217.06
Total Physicians											
# Physicians	4	1	11	7	182	187	11	6	34	63	506
# of FTE's	4.00	0.67	7.38	5.98	170.44	161.73	7.42	3.69	36.29	47.37	444.97

Source: NPDB, CIHI

Table 4-8: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 1999/2000

Physical Medicine/Rehabilitation

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	1	1	4	4	12	46	9	5	19	32	133
# of FTE's	0.01	0.17	1.59	0.43	4.72	21.13	3.75	1.51	8.74	11.34	53.39
Within the Benchmarks											
# Physicians and FTE's	0	0	2	1	11	22	4	2	4	8	54
Above the Higher Benchmark											
# Physicians	0	0	1	2	45	59	1	0	0	1	109
# of FTE's	0.00	0.00	1.07	2.68	72.25	86.82	1.34	0.00	0.00	1.03	165.19
Total Physicians											
# Physicians	1	1	7	7	68	127	14	7	23	41	296
# of FTE's	0.01	0.17	4.66	4.11	87.97	129.95	9.09	3.51	12.74	20.37	272.58

Source: NPDB, CIHI

* Canada totals are ten province totals, the Yukon and Northwest Territories are not available.

n/a = Not Applicable - There were no full-time equivalent fee-for-service physicians for this specialty for this province.

Notes

Benchmarks are based on the 40th and 60th percentiles.

Base year 1995/96.

Based on gross payments.

Physicians paid under alternative forms of reimbursement such as salary and sessional are not included.

Physical Medicine/Rehabilitation for Newfoundland uses benchmarks for Internal Medicine because there were no physicians for that specialty and province for the base year.

Table 4-9: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 1999/2000

Anesthesia

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	14	6	47	19	182	293	55	32	116	106	870
# of FTE's	6.62	2.31	24.03	6.54	98.80	146.81	37.50	20.22	72.80	61.13	476.76
Within the Benchmarks											
# Physicians and FTE's	3	1	12	19	86	144	24	14	61	37	401
Above the Higher Benchmark											
# Physicians	15	3	29	24	261	409	15	19	38	205	1,018
# of FTE's	18.39	3.35	34.48	28.31	323.84	520.53	16.53	24.95	44.84	257.16	1,272.38
Total Physicians											
# Physicians	32	10	88	62	529	846	94	65	215	348	2,289
# of FTE's	28.01	6.66	70.51	53.85	508.64	811.34	78.03	59.17	178.64	355.29	2,150.14

Source: NPDB, CIHI

Table 4-10: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 1999/2000

Surgical Specialists

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	60	13	123	95	674	1,149	153	75	255	581	3,178
# of FTE's	19.81	8.91	51.76	41.31	383.64	491.12	70.40	34.95	134.18	323.21	1,559.29
Within the Benchmarks											
# Physicians and FTE's	10	4	55	48	369	371	52	23	120	209	1,261
Above the Higher Benchmark											
# Physicians	51	12	83	76	843	1,455	77	104	204	210	3,115
# of FTE's	66.10	15.45	106.99	92.18	1,029.43	1,946.07	98.55	146.23	270.94	257.29	4,029.23
Total Physicians											
# Physicians	121	29	261	219	1,886	2,975	282	202	579	1,000	7,554
# of FTE's	95.91	28.36	213.75	181.49	1,782.07	2,808.19	220.95	204.18	525.12	789.50	6,849.52

Source: NPDB, CIHI

* Canada totals are ten province totals, the Yukon and Northwest Territories are not available.

n/a = Not Applicable - There were no full-time equivalent fee-for-service physicians for this specialty for this province.

Notes

Benchmarks are based on the 40th and 60th percentiles.

Base year 1995/96.

Based on gross payments.

Physicians paid under alternative forms of reimbursement such as salary and sessional are not included.

Table 4-11: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 1999/2000

General Surgery

	Nfld.	P.E.I.^	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	20	1	25	24	174	315	42	25	56	94	776
# of FTE's	4.48	0.43	9.78	8.18	84.80	122.28	11.70	12.72	26.84	52.67	333.88
Within the Benchmarks											
# Physicians and FTE's	3	1	16	3	79	99	13	9	34	43	300
Above the Higher Benchmark											
# Physicians	15	8	20	20	214	370	21	24	47	69	808
# of FTE's	20.13	10.42	26.48	24.50	263.11	501.33	26.91	31.56	58.58	81.16	1,044.18
Total Physicians											
# Physicians	38	10	61	47	467	784	76	58	137	206	1,884
# of FTE's	27.61	11.85	52.26	35.68	426.91	722.61	51.61	53.28	119.42	176.83	1,678.06

Source: NPDB, CIHI

Table 4-12: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 1999/2000

Thoracic/Cardiovascular Surgery

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	5	0	3	9	11	18	12	1	3	23	85
# of FTE's	2.71	0.00	0.73	5.94	6.62	8.76	6.57	0.22	1.92	13.23	46.70
Within the Benchmarks											
# Physicians and FTE's	1	0	2	2	8	4	5	1	3	8	34
Above the Higher Benchmark											
# Physicians	0	0	10	2	42	9	2	6	11	3	85
# of FTE's	0.00	0.00	11.86	2.15	54.02	11.64	2.46	9.25	14.51	3.58	109.47
Total Physicians											
# Physicians	6	0	15	13	61	31	19	8	17	34	204
# of FTE's	3.71	0.00	14.59	10.09	68.64	24.40	14.03	10.47	19.43	24.81	190.17

Source: NPDB, CIHI

* Canada totals are ten province totals, the Yukon and Northwest Territories are not available

^ PEI plastic surgeons are included with general surgeons

n/a = Not Applicable - There were no full-time equivalent fee-for-service physicians for this specialty for this province

Notes

Benchmarks are based on the 40th and 60th percentiles

Base year 1995/96.

Based on gross payments.

Physicians paid under alternative forms of reimbursement such as salary and sessional are not included

Table 4-13: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 1999/2000

Urology

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	1	2	11	10	42	84	16	7	16	31	220
# of FTE's	0.89	1.72	7.19	4.19	27.92	35.78	10.17	5.11	11.85	18.10	122.92
Within the Benchmarks											
# Physicians and FTE's	0	0	6	8	39	27	2	4	13	18	117
Above the Higher Benchmark											
# Physicians	6	0	4	4	49	114	2	5	6	24	214
# of FTE's	7.02	0.00	5.64	4.84	57.24	144.02	2.18	6.19	7.33	30.63	265.09
Total Physicians											
# Physicians	7	2	21	22	130	225	20	16	35	73	551
# of FTE's	7.91	1.72	18.83	17.03	124.16	206.80	14.35	15.30	32.18	66.73	505.01

Source: NPDB, CIHI

Table 4-14: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 1999/2000

Orthopedic Surgery

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	10	2	10	11	91	165	14	9	54	108	474
# of FTE's	5.00	0.06	1.71	6.22	51.63	65.03	8.45	3.89	27.89	62.79	232.67
Within the Benchmarks											
# Physicians and FTE's	1	1	3	8	41	54	10	2	27	39	186
Above the Higher Benchmark											
# Physicians	5	2	15	11	141	184	11	15	18	11	413
# of FTE's	5.49	2.67	18.42	13.12	178.13	232.04	12.61	19.88	20.48	11.92	514.76
Total Physicians											
# Physicians	16	5	28	30	273	403	35	26	99	158	1,073
# of FTE's	11.49	3.73	23.13	27.34	270.76	351.07	31.06	25.77	75.37	113.71	933.43

Source: NPDB, CIHI

* Canada totals are ten province totals, the Yukon and Northwest Territories are not available.

n/a = Not Applicable - There were no full-time equivalent fee-for-service physicians for this specialty for this province.

Notes

Benchmarks are based on the 40th and 60th percentiles.

Base year 1995/96.

Based on gross payments.

Physicians paid under alternative forms of reimbursement such as salary and sessional are not included.

Table 4-15: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 1999/2000

Plastic Surgery

	Nfld.	P.E.I.^	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	1	0	7	5	48	55	3	6	12	39	176
# of FTE's	0.15	0.00	4.17	2.16	29.21	25.15	2.09	3.27	7.06	23.27	96.53
Within the Benchmarks											
# Physicians and FTE's	0	0	2	7	16	22	3	2	8	17	77
Above the Higher Benchmark											
# Physicians	1	0	3	3	36	74	6	7	14	6	150
# of FTE's	1.43	0.00	4.25	3.18	45.56	95.33	9.01	9.21	17.34	7.15	192.46
Total Physicians											
# Physicians	2	0	12	15	100	151	12	15	34	62	403
# of FTE's	1.58	0.00	10.42	12.34	90.77	142.48	14.10	14.48	32.40	47.42	365.99

Source: NPDB, CIHI

Table 4-16: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 1999/2000

Neurosurgery

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	0	0	4	3	27	34	4	4	6	13	95
# of FTE's	0.00	0.00	0.13	0.59	16.21	11.28	2.74	0.32	3.36	8.41	43.04
Within the Benchmarks											
# Physicians and FTE's	1	0	0	2	10	10	2	0	3	7	35
Above the Higher Benchmark											
# Physicians	2	0	0	1	18	32	1	2	9	10	75
# of FTE's	3.34	0.00	0.00	1.05	21.84	43.57	1.01	3.61	12.04	12.14	98.60
Total Physicians											
# Physicians	3	0	4	6	55	76	7	6	18	30	205
# of FTE's	4.34	0.00	0.13	3.64	48.05	64.85	5.75	3.93	18.40	27.55	176.64

Source: NPDB, CIHI

* Canada totals are ten province totals, the Yukon and Northwest Territories are not available.

^ PEI plastic surgeons are included with general surgeons.

n/a = Not Applicable - There were no full-time equivalent fee-for-service physicians for this specialty for this province.

Notes

Benchmarks are based on the 40th and 60th percentiles.

Base year 1995/96.

Based on gross payments.

Physicians paid under alternative forms of reimbursement such as salary and sessional are not included.

Table 4-17: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 1999/2000

Ophthalmology

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	6	3	19	11	75	141	16	6	34	86	397
# of FTE's	2.84	2.61	8.80	5.17	43.16	66.90	7.39	2.43	18.97	43.46	201.73
Within the Benchmarks											
# Physicians and FTE's	2	1	13	3	58	51	2	0	11	36	177
Above the Higher Benchmark											
# Physicians	5	0	19	15	134	221	12	19	38	58	521
# of FTE's	5.80	0.00	25.49	20.12	163.86	309.78	16.54	30.56	57.04	76.44	705.63
Total Physicians											
# Physicians	13	4	51	29	267	413	30	25	83	180	1,095
# of FTE's	10.64	3.61	47.29	28.29	265.02	427.68	25.93	32.99	87.01	155.90	1,084.36

Source: NPDB, CIHI

Table 4-18: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 1999/2000

Otolaryngology

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	3	2	17	4	71	78	19	2	8	52	256
# of FTE's	0.09	1.72	7.32	1.25	45.21	33.59	9.96	0.75	4.18	28.96	133.03
Within the Benchmarks											
# Physicians and FTE's	0	0	2	7	40	26	3	0	6	16	100
Above the Higher Benchmark											
# Physicians	7	0	2	5	62	120	0	8	17	11	232
# of FTE's	9.57	0.00	2.06	6.13	73.64	155.38	0.00	11.98	22.84	12.55	294.15
Total Physicians											
# Physicians	10	2	21	16	173	224	22	10	31	79	588
# of FTE's	9.66	1.72	11.38	14.38	158.85	214.97	12.96	12.73	33.02	57.51	527.18

Source: NPDB, CIHI

* Canada totals are ten province totals, the Yukon and Northwest Territories are not available.

n/a = Not Applicable - There were no full-time equivalent fee-for-service physicians for this specialty for this province.

Notes

Benchmarks are based on the 40th and 60th percentiles.

Base year 1995/96.

Based on gross payments.

Physicians paid under alternative forms of reimbursement such as salary and sessional are not included.

Table 4-19: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 1999/2000

Obstetrics/Gynecology

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	14	3	27	18	135	259	27	15	66	135	699
# of FTE's	3.65	2.37	11.93	7.61	78.88	122.35	11.33	6.24	32.11	72.32	348.79
Within the Benchmarks											
# Physicians and FTE's	2	1	11	8	78	78	12	5	15	25	235
Above the Higher Benchmark											
# Physicians	10	2	10	15	147	331	22	18	44	18	617
# of FTE's	13.32	2.36	12.79	17.09	172.03	452.98	27.83	23.99	60.78	21.72	804.89
Total Physicians											
# Physicians	26	6	48	41	360	668	61	38	125	178	1,551
# of FTE's	18.97	5.73	35.72	32.70	328.91	653.33	51.16	35.23	107.89	119.04	1,388.68

Source: NPDB, CIHI

Table 4-20: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 1999/2000

Specialists

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	145	49	303	205	2,239	3,715	518	219	879	1,495	9,767
# of FTE's	51.06	18.30	130.87	75.07	1,195.55	1,573.24	235.60	104.89	445.56	778.60	4,608.74
Within the Benchmarks											
# Physicians and FTE's	35	11	123	90	1,241	1,395	154	75	378	537	4,039
Above the Higher Benchmark											
# Physicians	127	23	149	186	2,465	4,167	199	198	579	763	8,856
# of FTE's	172.97	28.99	188.17	243.25	3,147.15	5,823.89	258.46	285.97	783.39	967.68	11,899.92
Total Physicians											
# Physicians	307	83	575	481	5,945	9,277	871	492	1,836	2,795	22,662
# of FTE's	259.03	58.29	442.04	408.32	5,583.70	8,792.13	648.06	465.86	1,606.95	2,283.28	20,547.66

Source: NPDB, CIHI

* Canada totals are ten province totals, the Yukon and Northwest Territories are not available.

n/a = Not Applicable - There were no full-time equivalent fee-for-service physicians for this specialty for this province.

Notes

Benchmarks are based on the 40th and 60th percentiles.

Base year 1995/96.

Based on gross payments.

Physicians paid under alternative forms of reimbursement such as salary and sessional are not included.

Table 4-21: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 1999/2000

Total Physicians

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	418	117	809	543	4,944	7,814	961	627	2,053	3,862	22,148
# of FTE's	116.77	36.14	336.85	222.85	2,412.41	3,398.51	389.62	250.32	1,080.81	1,996.48	10,240.76
Within the Benchmarks											
# Physicians and FTE's	72	27	300	179	2,405	3,015	259	176	890	1,531	8,854
Above the Higher Benchmark											
# Physicians	354	77	347	392	5,009	8,998	566	594	1,509	1,775	19,621
# of FTE's	501.55	99.86	432.81	507.86	6,266.22	12,356.61	749.00	849.80	1,999.18	2,188.77	25,951.66
Total Physicians											
# Physicians	844	221	1,456	1,114	12,358	19,827	1,786	1,397	4,452	7,168	50,623
# of FTE's	690.32	163.00	1,069.66	909.71	11,083.63	18,770.12	1,397.62	1,276.12	3,969.99	5,716.25	45,046.42

Source: NPDB, CIHI

* Canada totals are ten province totals, the Yukon and Northwest Territories are not available.

n/a = Not Applicable - There were no full-time equivalent fee-for-service physicians for this specialty for this province.

Notes

Benchmarks are based on the 40th and 60th percentiles.

Base year 1995/96.

Based on gross payments.

Physicians paid under alternative forms of reimbursement such as salary and sessional are not included.

Table 5-1: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 2000/2001

Family Medicine

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	221	56	528	361	2,856	4,315	455	463	1,265	2,460	12,980
# of FTE's	58.20	17.88	210.67	154.57	1,280.07	1,900.32	143.93	159.94	668.79	1,230.82	5,825.19
Within the Benchmarks											
# Physicians and FTE's	50	10	180	89	1,252	1,524	108	98	486	976	4,773
Above the Higher Benchmark											
# Physicians	196	56	184	202	2,471	4,846	387	413	1,000	1,015	10,770
# of FTE's	274.69	74.99	227.43	258.79	3,050.11	6,632.34	541.96	578.60	1,297.70	1,227.56	14,164.17
Total Physicians											
# Physicians	467	122	892	652	6,579	10,685	950	974	2,751	4,451	28,523
# of FTE's	382.89	102.87	618.10	502.36	5,582.18	10,056.66	793.89	836.54	2,452.49	3,434.38	24,762.36

Source: NPDB, CIHI

Table 5-2: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 2000/2001

Medical Specialists

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	103	44	198	117	2,081	2,559	366	140	680	925	7,213
# of FTE's	27.20	10.27	81.53	39.72	1,049.02	1,090.66	171.21	69.31	351.29	450.69	3,340.90
Within the Benchmarks											
# Physicians and FTE's	33	6	69	40	766	969	105	49	242	340	2,619
Above the Higher Benchmark											
# Physicians	80	12	61	102	1,322	2,822	138	104	392	557	5,590
# of FTE's	114.95	14.70	76.84	141.88	1,714.68	4,066.88	187.89	152.73	535.86	713.85	7,720.26
Total Physicians											
# Physicians	216	62	328	259	4,169	6,350	609	293	1,314	1,822	15,422
# of FTE's	175.15	30.97	227.37	221.60	3,529.70	6,126.54	464.10	271.04	1,129.15	1,504.54	13,680.16

Source: NPDB, CIHI

* Canada totals are ten province totals, the Yukon and Northwest Territories are not available.

n/a = Not Applicable - There were no full-time equivalent fee-for-service physicians for this specialty for this province.

Notes

Benchmarks are based on the 40th and 60th percentiles.

Base year 1995/96.

Based on gross payments.

Physicians paid under alternative forms of reimbursement such as salary and sessional are not included.

Table 5-3: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 2000/2001

Internal Medicine

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	33	10	52	38	728	921	161	56	231	258	2,488
# of FTE's	7.93	2.54	21.67	12.18	359.47	394.53	66.01	26.53	114.18	111.06	1,116.10
Within the Benchmarks											
# Physicians and FTE's	16	3	30	7	374	345	29	11	68	113	996
Above the Higher Benchmark											
# Physicians	37	6	13	52	588	1,078	46	49	144	196	2,209
# of FTE's	53.60	7.56	17.10	75.31	748.27	1,682.32	67.95	74.27	210.35	265.42	3,202.15
Total Physicians											
# Physicians	86	19	95	97	1,690	2,344	236	116	443	567	5,693
# of FTE's	77.53	13.10	68.77	94.49	1,481.74	2,421.85	162.96	111.80	392.53	489.48	5,314.25

Source: NPDB, CIHI

Table 5-4: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 2000/2001

Neurology and EEG

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	5	3	3	1	81	84	6	3	39	41	266
# of FTE's	2.56	0.48	0.77	0.34	38.72	38.52	3.05	1.69	20.08	15.00	121.21
Within the Benchmarks											
# Physicians and FTE's	2	0	1	1	42	28	2	1	12	18	107
Above the Higher Benchmark											
# Physicians	1	0	4	9	72	83	8	10	8	26	221
# of FTE's	1.08	0.00	5.47	13.42	96.28	127.50	10.88	15.47	11.43	33.00	314.53
Total Physicians											
# Physicians	8	3	8	11	195	195	16	14	59	85	594
# of FTE's	5.64	0.48	7.24	14.76	177.00	194.02	15.93	18.16	43.51	66.00	542.74

Source: NPDB, CIHI

* Canada totals are ten province totals, the Yukon and Northwest Territories are not available.

n/a = Not Applicable - There were no full-time equivalent fee-for-service physicians for this specialty for this province.

Notes

Benchmarks are based on the 40th and 60th percentiles.

Base year 1995/96.

Based on gross payments.

Physicians paid under alternative forms of reimbursement such as salary and sessional are not included.

Table 5-5: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 2000/2001

Psychiatry and Neuropsychiatry

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	16	17	56	31	638	729	81	15	98	315	1,996
# of FTE's	3.63	1.93	21.78	9.02	307.31	348.86	38.46	6.52	54.99	171.89	964.39
Within the Benchmarks											
# Physicians and FTE's	2	2	13	3	110	292	31	9	58	92	612
Above the Higher Benchmark											
# Physicians	16	1	11	10	206	714	26	16	124	94	1,218
# of FTE's	24.46	1.34	14.58	13.57	280.09	973.77	33.50	25.36	166.05	114.34	1,647.06
Total Physicians											
# Physicians	34	20	80	44	954	1,735	138	40	280	501	3,826
# of FTE's	30.09	5.27	49.36	25.59	697.40	1,614.63	102.96	40.88	279.04	378.23	3,223.45

Source: NPDB, CIHI

Table 5-6: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 2000/2001

Pediatrics

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	23	8	24	17	243	405	47	30	142	137	1,076
# of FTE's	5.82	3.00	8.82	4.25	116.28	105.02	20.46	12.28	63.61	63.07	402.61
Within the Benchmarks											
# Physicians and FTE's	8	0	9	7	118	128	15	10	37	51	383
Above the Higher Benchmark											
# Physicians	5	0	1	10	167	365	31	8	58	29	674
# of FTE's	8.80	0.00	1.42	14.15	222.19	529.68	43.50	11.20	75.24	36.06	942.24
Total Physicians											
# Physicians	36	8	34	34	528	898	93	48	237	217	2,133
# of FTE's	22.62	3.00	19.24	25.40	456.47	762.70	78.96	33.48	175.85	150.13	1,727.85

Source: NPDB, CIHI

* Canada totals are ten province totals, the Yukon and Northwest Territories are not available.

n/a = Not Applicable - There were no full-time equivalent fee-for-service physicians for this specialty for this province.

Notes

Benchmarks are based on the 40th and 60th percentiles.

Base year 1995/96.

Based on gross payments.

Physicians paid under alternative forms of reimbursement such as salary and sessional are not included.

Table 5-7: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 2000/2001

Dermatology

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	5	1	11	6	87	76	10	2	14	38	250
# of FTE's	1.25	0.67	6.57	4.26	54.73	35.13	5.40	0.80	9.32	21.51	139.64
Within the Benchmarks											
# Physicians and FTE's	3	0	0	1	44	29	0	2	5	12	96
Above the Higher Benchmark											
# Physicians	0	0	1	0	54	73	2	1	16	10	157
# of FTE's	0.00	0.00	1.43	0.00	62.79	91.99	2.22	1.15	22.89	12.87	195.34
Total Physicians											
# Physicians	8	1	12	7	185	178	12	5	35	60	503
# of FTE's	4.25	0.67	8.00	5.26	161.52	156.12	7.62	3.95	37.21	46.38	430.98

Source: NPDB, CIHI

Table 5-8: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 2000/2001

Physical Medicine/Rehabilitation

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	0	1	3	3	19	49	7	5	20	32	139
# of FTE's	0.00	0.11	1.41	0.25	7.46	23.88	3.27	1.62	10.20	8.70	56.90
Within the Benchmarks											
# Physicians and FTE's	0	0	3	1	9	25	4	2	3	10	57
Above the Higher Benchmark											
# Physicians	0	0	0	2	42	59	3	0	0	2	108
# of FTE's	0.00	0.00	0.00	2.47	65.38	87.21	4.22	0.00	0.00	2.39	161.67
Total Physicians											
# Physicians	0	1	6	6	70	133	14	7	23	44	304
# of FTE's	0.00	0.11	4.41	3.72	81.84	136.09	11.49	3.62	13.20	21.09	275.57

Source: NPDB, CIHI

* Canada totals are ten province totals, the Yukon and Northwest Territories are not available.

n/a = Not Applicable - There were no full-time equivalent fee-for-service physicians for this specialty for this province.

Notes

Benchmarks are based on the 40th and 60th percentiles.

Base year 1995/96.

Based on gross payments.

Physicians paid under alternative forms of reimbursement such as salary and sessional are not included.

Table 5-9: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 2000/2001

Anesthesia

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	21	4	49	21	285	295	54	29	136	104	998
# of FTE's	6.01	1.54	20.51	9.42	165.05	144.72	34.56	19.87	78.91	59.46	540.05
Within the Benchmarks											
# Physicians and FTE's	2	1	13	20	69	122	24	14	59	44	368
Above the Higher Benchmark											
# Physicians	21	5	31	19	193	450	22	20	42	200	1,003
# of FTE's	27.01	5.80	36.84	22.96	239.68	574.41	25.62	25.28	49.90	249.77	1,257.27
Total Physicians											
# Physicians	44	10	93	60	547	867	100	63	237	348	2,369
# of FTE's	35.02	8.34	70.35	52.38	473.73	841.13	84.18	59.15	187.81	353.23	2,165.32

Source: NPDB, CIHI

Table 5-10: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 2000/2001

Surgical Specialists

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	61	11	137	99	821	1,094	131	75	265	595	3,289
# of FTE's	18.81	5.35	54.45	43.79	464.67	459.19	63.83	30.92	141.47	328.95	1,611.43
Within the Benchmarks											
# Physicians and FTE's	12	5	45	43	394	359	41	31	110	197	1,237
Above the Higher Benchmark											
# Physicians	57	14	91	74	692	1,517	95	101	218	205	3,064
# of FTE's	72.86	17.71	115.55	91.77	842.33	2,056.87	122.16	144.77	284.59	250.70	3,999.31
Total Physicians											
# Physicians	130	30	273	216	1,907	2,970	267	207	593	997	7,590
# of FTE's	103.67	28.06	215.00	178.56	1,701.00	2,875.06	226.99	206.69	536.06	776.65	6,847.74

Source: NPDB, CIHI

* Canada totals are ten province totals, the Yukon and Northwest Territories are not available.

n/a = Not Applicable - There were no full-time equivalent fee-for-service physicians for this specialty for this province.

Notes

Benchmarks are based on the 40th and 60th percentiles.

Base year 1995/96.

Based on gross payments.

Physicians paid under alternative forms of reimbursement such as salary and sessional are not included.

Table 5-11: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 2000/2001

General Surgery

	Nfld.	P.E.I.^	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	19	1	35	25	206	284	33	26	62	100	791
# of FTE's	3.40	0.46	12.24	8.98	107.42	110.55	12.95	10.52	26.96	51.34	344.82
Within the Benchmarks											
# Physicians and FTE's	2	1	8	3	80	95	11	7	23	37	267
Above the Higher Benchmark											
# Physicians	15	8	25	19	174	386	22	25	58	57	789
# of FTE's	20.35	10.50	31.88	23.58	212.18	529.22	28.79	33.52	71.72	66.14	1,027.88
Total Physicians											
# Physicians	36	10	68	47	460	765	66	58	143	194	1,847
# of FTE's	25.75	11.96	52.12	35.56	399.60	734.77	52.74	51.04	121.68	154.48	1,639.70

Source: NPDB, CIHI

Table 5-12: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 2000/2001

Thoracic/Cardiovascular Surgery

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	2	0	2	8	17	17	12	2	5	36	101
# of FTE's	1.61	0.00	0.32	4.01	8.52	8.18	7.38	1.74	3.38	22.92	58.06
Within the Benchmarks											
# Physicians and FTE's	1	0	1	2	7	5	5	0	1	13	35
Above the Higher Benchmark											
# Physicians	2	0	11	3	43	9	2	6	12	4	92
# of FTE's	2.55	0.00	12.63	3.38	55.54	12.07	2.37	8.71	15.64	4.75	117.64
Total Physicians											
# Physicians	5	0	14	13	67	31	19	8	18	53	228
# of FTE's	5.16	0.00	13.95	9.39	71.06	25.25	14.75	10.45	20.02	40.67	210.70

Source: NPDB, CIHI

* Canada totals are ten province totals, the Yukon and Northwest Territories are not available.

^ PEI plastic surgeons are included with general surgeons.

n/a = Not Applicable - There were no full-time equivalent fee-for-service physicians for this specialty for this province.

Notes

Benchmarks are based on the 40th and 60th percentiles.

Base year 1995/96.

Based on gross payments.

Physicians paid under alternative forms of reimbursement such as salary and sessional are not included.

Thoracic/Cardiovascular Surgery for Prince Edward Island uses benchmarks for General Surgery because there were no physicians for that specialty and province for the base year.

Table 5-13: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 2000/2001

Urology

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	1	2	12	9	63	77	16	2	19	33	234
# of FTE's	0.63	1.20	6.81	3.58	39.12	33.58	9.34	0.58	14.59	19.31	128.74
Within the Benchmarks											
# Physicians and FTE's	0	0	5	6	37	24	2	7	12	16	109
Above the Higher Benchmark											
# Physicians	6	1	5	6	36	123	3	5	5	21	211
# of FTE's	6.89	1.09	7.01	7.08	42.81	157.24	3.27	6.58	6.15	28.07	266.19
Total Physicians											
# Physicians	7	3	22	21	136	224	21	14	36	70	554
# of FTE's	7.52	2.29	18.82	16.66	118.93	214.82	14.61	14.16	32.74	63.38	503.93

Source: NPDB, CIHI

Table 5-14: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 2000/2001

Orthopedic Surgery

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	13	3	12	10	114	164	12	7	53	107	495
# of FTE's	6.13	0.17	2.74	5.83	58.56	68.76	7.38	3.49	27.69	60.49	241.24
Within the Benchmarks											
# Physicians and FTE's	3	1	6	9	39	52	4	5	28	38	185
Above the Higher Benchmark											
# Physicians	5	2	13	10	130	190	18	15	19	14	416
# of FTE's	5.58	2.71	15.99	12.33	159.28	246.27	20.92	20.85	20.94	15.17	520.04
Total Physicians											
# Physicians	21	6	31	29	283	406	34	27	100	159	1,096
# of FTE's	14.71	3.88	24.73	27.16	256.84	367.03	32.30	29.34	76.63	113.66	946.28

Source: NPDB, CIHI

* Canada totals are ten province totals, the Yukon and Northwest Territories are not available.

n/a = Not Applicable - There were no full-time equivalent fee-for-service physicians for this specialty for this province.

Notes

Benchmarks are based on the 40th and 60th percentiles.

Base year 1995/96.

Based on gross payments.

Physicians paid under alternative forms of reimbursement such as salary and sessional are not included.

Table 5-15: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 2000/2001

Plastic Surgery

	Nfld.	P.E.I.^	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	1	0	5	3	54	62	2	5	15	40	187
# of FTE's	0.11	0.00	2.71	2.03	27.01	27.06	0.96	2.75	8.99	23.77	95.39
Within the Benchmarks											
# Physicians and FTE's	0	0	3	6	16	16	3	4	9	14	71
Above the Higher Benchmark											
# Physicians	2	0	4	4	31	77	6	6	12	7	149
# of FTE's	2.75	0.00	5.30	4.20	38.02	97.90	9.04	8.05	14.91	7.93	188.10
Total Physicians											
# Physicians	3	0	12	13	101	155	11	15	36	61	407
# of FTE's	2.86	0.00	11.01	12.23	81.03	140.96	13.00	14.80	32.90	45.70	354.49

Source: NPDB, CIHI

Table 5-16: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 2000/2001

Neurosurgery

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	0	0	5	3	35	29	3	5	8	10	98
# of FTE's	0.00	0.00	0.85	0.57	18.92	10.30	1.83	0.54	4.00	4.42	41.43
Within the Benchmarks											
# Physicians and FTE's	0	0	0	3	15	9	1	0	4	12	44
Above the Higher Benchmark											
# Physicians	3	0	0	0	6	33	2	3	8	8	63
# of FTE's	4.74	0.00	0.00	0.00	7.31	45.66	2.05	5.34	9.42	9.92	84.44
Total Physicians											
# Physicians	3	0	5	6	56	71	6	8	20	30	205
# of FTE's	4.74	0.00	0.85	3.57	41.23	64.96	4.88	5.88	17.42	26.34	169.87

Source: NPDB, CIHI

* Canada totals are ten province totals, the Yukon and Northwest Territories are not available.

^ PEI plastic surgeons are included with general surgeons.

n/a = Not Applicable - There were no full-time equivalent fee-for-service physicians for this specialty for this province.

Notes

Benchmarks are based on the 40th and 60th percentiles.

Base year 1995/96.

Based on gross payments.

Physicians paid under alternative forms of reimbursement such as salary and sessional are not included.

Table 5-17: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 2000/2001

Ophthalmology

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	7	2	23	13	84	135	14	4	33	78	393
# of FTE's	2.89	1.18	12.11	6.86	49.84	58.81	6.15	1.38	17.53	39.24	195.99
Within the Benchmarks											
# Physicians and FTE's	2	1	8	2	66	51	4	3	12	33	182
Above the Higher Benchmark											
# Physicians	6	1	21	13	122	225	12	17	40	63	520
# of FTE's	6.68	1.05	27.80	18.97	154.16	318.67	17.42	28.67	60.17	82.69	716.28
Total Physicians											
# Physicians	15	4	52	28	272	411	30	24	85	174	1,095
# of FTE's	11.57	3.23	47.91	27.83	270.00	428.48	27.57	33.05	89.70	154.93	1,094.27

Source: NPDB, CIHI

Table 5-18: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 2000/2001

Otolaryngology

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	4	0	14	7	80	81	17	4	10	53	270
# of FTE's	0.75	0.00	4.66	3.85	52.07	35.35	9.50	2.12	6.00	33.70	148.00
Within the Benchmarks											
# Physicians and FTE's	0	1	3	3	41	29	4	0	5	10	96
Above the Higher Benchmark											
# Physicians	8	0	1	6	48	119	0	7	17	13	219
# of FTE's	10.37	0.00	1.08	7.10	56.74	156.78	0.00	10.38	22.53	14.50	279.48
Total Physicians											
# Physicians	12	1	18	16	169	229	21	11	32	76	585
# of FTE's	11.12	1.00	8.74	13.95	149.81	221.13	13.50	12.50	33.53	58.20	523.48

Source: NPDB, CIHI

* Canada totals are ten province totals, the Yukon and Northwest Territories are not available.

n/a = Not Applicable - There were no full-time equivalent fee-for-service physicians for this specialty for this province.

Notes

Benchmarks are based on the 40th and 60th percentiles.

Base year 1995/96.

Based on gross payments.

Physicians paid under alternative forms of reimbursement such as salary and sessional are not included.

Table 5-19: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 2000/2001

Obstetrics/Gynecology

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	14	3	29	21	168	245	22	20	60	138	720
# of FTE's	3.29	2.34	12.01	8.08	103.21	106.60	8.34	7.80	32.33	73.76	357.76
Within the Benchmarks											
# Physicians and FTE's	4	1	11	9	93	78	7	5	16	24	248
Above the Higher Benchmark											
# Physicians	10	2	11	13	102	355	30	17	47	18	605
# of FTE's	12.95	2.36	13.86	15.13	116.29	493.06	38.30	22.67	63.11	21.53	799.26
Total Physicians											
# Physicians	28	6	51	43	363	678	59	42	123	180	1,573
# of FTE's	20.24	5.70	36.87	32.21	312.50	677.66	53.64	35.47	111.44	119.29	1,405.02

Source: NPDB, CIHI

Table 5-20: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 2000/2001

Specialists

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	164	55	335	216	2,902	3,653	497	215	945	1,520	10,502
# of FTE's	46.01	15.62	135.98	83.51	1,513.69	1,549.85	235.04	100.23	492.76	779.64	4,952.33
Within the Benchmarks											
# Physicians and FTE's	45	11	114	83	1,160	1,328	146	80	352	537	3,856
Above the Higher Benchmark											
# Physicians	137	26	152	176	2,014	4,339	233	205	610	762	8,654
# of FTE's	187.81	32.41	192.39	233.65	2,557.01	6,123.75	310.05	297.50	820.45	964.55	11,719.57
Total Physicians											
# Physicians	346	92	601	475	6,076	9,320	876	500	1,907	2,819	23,012
# of FTE's	278.82	59.03	442.37	400.16	5,230.70	9,001.60	691.09	477.73	1,665.21	2,281.19	20,527.90

Source: NPDB, CIHI

* Canada totals are ten province totals, the Yukon and Northwest Territories are not available.

n/a = Not Applicable - There were no full-time equivalent fee-for-service physicians for this specialty for this province.

Notes

Benchmarks are based on the 40th and 60th percentiles.

Base year 1995/96.

Based on gross payments.

Physicians paid under alternative forms of reimbursement such as salary and sessional are not included.

Table 5-21: Full-time Equivalent Fee-for-service Physicians, Canada and the Provinces, 2000/2001

Total Physicians

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	385	111	863	577	5,758	7,968	952	678	2,210	3,980	23,482
# of FTE's	104.21	33.50	346.65	238.08	2,793.76	3,450.17	378.97	260.17	1,161.55	2,010.46	10,777.52
Within the Benchmarks											
# Physicians and FTE's	95	21	294	172	2,412	2,852	254	178	838	1,513	8,629
Above the Higher Benchmark											
# Physicians	333	82	336	378	4,485	9,185	620	618	1,610	1,777	19,424
# of FTE's	462.50	107.40	419.82	492.44	5,607.12	12,756.09	852.01	876.10	2,118.15	2,192.11	25,883.74
Total Physicians											
# Physicians	813	214	1,493	1,127	12,655	20,005	1,826	1,474	4,658	7,270	51,535
# of FTE's	661.71	161.90	1,060.47	902.52	10,812.88	19,058.26	1,484.98	1,314.27	4,117.70	5,715.57	45,290.26

Source: NPDB, CIHI

* Canada totals are ten province totals, the Yukon and Northwest Territories are not available.

n/a = Not Applicable - There were no full-time equivalent fee-for-service physicians for this specialty for this province.

Notes

Benchmarks are based on the 40th and 60th percentiles.

Base year 1995/96.

Based on gross payments.

Physicians paid under alternative forms of reimbursement such as salary and sessional are not included.

Appendix A

Net Population Estimates

Table A1. Statistics Canada Net Population Estimates for Canada, by Provinces, 1999 to 2000

Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
1999 (PP)	540.0	138.5	932.5	750.7	7,337.9	11,534.7	1,140.6	1,024.6	2,962.7	4,025.2	30,387.4
2000 (PR)	536.2	138.2	934.1	750.5	7,377.4	11,732.3	1,142.9	1,018.4	3,011.5	4,058.7	30,700.2

* Canada totals are ten province totals excluding the Yukon and Northwest Territories.

Notes Net population estimates are produced by excluding from total estimates the members of the Royal Canadian Mounted Police, the Canadian Armed Forces personnel and the number of inmates in Federal and Provincial institutions.

PR=Updated postcensal estimates.

PP=Preliminary postcensal estimates.

The estimates are based on 1996 census counts, adjusted for net census undercoverage

These figures have been rounded independently to the nearest hundred.

Appendix B

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NPDB Authorization Officers

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Appendix C

NPDB Specialty Categories

NPDB Physician Specialty Categories

- 01 ***Family Medicine***
 - 010 Residency
 - 011 General Practice
 - 012 Family Practice
 - 013 Community Medicine/Public Health
 - 014 Emergency Medicine

Medical Specialists

- 02 ***Internal Medicine***
 - 020 General Internal Medicine
 - 021 Cardiology
 - 022 Gastroenterology
 - 023 Respiratory Medicine
 - 024 Endocrinology
 - 025 Nephrology
 - 026 Hematology
 - 027 Rheumatology
 - 028 Clinical Immunology and Allergy
 - 030 Oncology
 - 031 Geriatrics
 - 032 Tropical Medicine
 - 035 Genetics 1
- 04 ***Neurology***
 - 040 Neurology & EEG
 - 041 Neurology
 - 042 EEG
- 05 ***Psychiatry***
 - 050 Psychiatry & Neuropsychiatry
 - 051 Psychiatry
 - 052 Neuropsychiatry
- 06 ***Pediatrics***
 - 060 Pediatrics
- 07 ***Dermatology***
 - 065 Dermatology
- 08 ***Physical Medicine/Rehabilitation***
 - 070 Physical Medicine & Rehabilitation
 - 071 Electromyography
- 09 ***Anesthesia***
 - 075 Anesthesia

Surgical Specialists

- 10 **General Surgery**
 080 General Surgery

- 11 **Thoracic/Cardiovascular Surgery**
 086 Thoracic Surgery
 087 Cardiovascular Surgery
 088 Cardiovascular/Thoracic Surgery

- 12 **Urology**
 090 Urology

- 13 **Orthopedic Surgery**
 095 Orthopedic Surgery

- 14 **Plastic Surgery**
 100 Plastic Surgery

- 15 **Neurosurgery**
 110 Neurosurgery

- 16 **Ophthalmology**
 115 Ophthalmology
 116 Ophthalmology/Otolaryngology

- 17 **Otolaryngology**
 120 Otolaryngology

- 18 **Obstetrics/Gynecology**
 126 Obstetrics
 127 Gynecology
 128 Obstetrics/Gynecology

Note: Although Genetics is no longer a sub-specialty of Internal Medicine it is included in the Internal Medicine category because the number of physician records assigned this specialty is relatively small. The previous version of this publication reported the figures as a separate specialty within the Medical Specialists broad specialty category.

Appendix D

Fee-for-service Radiology and Laboratory Coverage in NPDB

Fee-for-service Radiology and Laboratory Coverage in NPDB

Radiology and laboratory services supplied to CIHI for use in NPDB are not uniform or complete. For this reason the data are not routinely used in the NPDB publications. The following notes were provided by the provincial medical insurance plans regarding the radiology and laboratory services included on the NPDB file submissions.

Newfoundland

- No laboratory services data are supplied to NDPB as these services are paid through the hospital funding.
- Physicians can be paid on a fee-for-service basis for interpretation services on certain diagnostic services such as EEG, ECGs, etc. These services would be included in the NPDB file submissions.

Prince Edward Island

- No laboratory services data are supplied to NDPB as these services are paid through the hospital funding.
- Radiologists interpretation fees are included in the NPDB file submissions.

Nova Scotia

- No laboratory services data are supplied to NDPB as these services are paid through the hospital funding.
- The majority of radiology billings are not included in NPDB file submissions. For Nova Scotia, the majority of radiology billings are not included in fee-for-service earnings.

New Brunswick

- No laboratory services data are supplied to NDPB as these services are paid through the hospital funding.
- All radiology services are included in the NPDB file submissions.

Quebec

- No laboratory services are included.
- Radiology services provided by physicians in private practice are included in the NPDB file submissions.

Ontario

- Approximately 50 percent of all laboratory services are funded through OHIP and therefore are included in the NPDB file submissions. The remaining 50 percent are funded via Public Health (1 percent) and Hospital global budgets (49 percent).
- Information on Radiology services was not available.

Manitoba

- Laboratory services provided in the NPDB file submissions are those provided by privately owned fee-for-service laboratories. Laboratory services provided in urban/rural facilities are not included in the NPDB file submissions.
- Radiology services submitted include all private radiology services and all urban facility radiology services. Rural facility radiology services, approximately 11 percent of the total dollar value for radiology services, are not included in NPDB file submissions.

Saskatchewan

- Since 1993/94, the only laboratory services included in the NPDB file submissions are common in-office laboratory services provided by physicians other than pathologists. Responsibility for private laboratory services provided by specialists in pathology was transferred to District Health Boards in October 1993 and no longer funded on a fee-for-service basis.
- Facility-based radiology services which are funded through District Health Boards are excluded from the NPDB file submissions, as well as radiology services provided through the Screening Program for Breast Cancer.

Alberta

- Up to July 1, 1995 only non-hospital based laboratory services were included.
- Only non-facility based radiology services are included in NPDB file submissions.

British Columbia

- Laboratory and radiology services when performed on a fee-for-service outpatient basis are included in NPDB file submissions, but inpatient services are not included.

Appendix E

Population Per Physician

Table E-1: Population per Full-time Equivalent Fee-for-service Physician by Specialty, Canada and the Provinces, 1999/2000

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Family Medicine	1,252	1,323	1,486	1,497	1,334	1,156	1,522	1,265	1,254	1,173	1,240
Medical Specialties	3,310	4,627	4,085	3,310	1,930	1,928	2,671	3,915	2,739	2,695	2,218
Internal Medicine	7,172	10,508	13,815	8,005	4,827	4,981	7,879	9,555	7,787	8,434	5,849
Neurology	84,112	374,324	149,920	50,013	37,427	59,768	77,645	65,054	71,048	59,395	54,557
Psychiatry	20,134	26,841	18,291	26,359	8,856	7,137	11,764	25,992	11,039	10,732	9,109
Pediatrics	23,926	37,231	44,320	29,301	14,985	15,255	14,976	31,133	18,108	26,715	17,443
Dermatology	135,000	206,716	126,355	125,535	43,053	71,321	153,720	277,669	81,640	84,974	68,291
Physical Medicine	54,000,000	814,706	200,107	182,652	83,414	88,763	125,479	291,909	232,551	197,604	111,481
Anesthesia	19,279	20,796	13,225	13,941	14,427	14,217	14,617	17,316	16,585	11,329	14,133
Surgical Specialties	5,630	4,884	4,363	4,136	4,118	4,108	5,162	5,018	5,642	5,098	4,436
General Surgery	19,558	11,688	17,843	21,040	17,188	15,963	22,100	19,230	24,809	22,763	18,109
Thoracic/Cardiovascular Surgery	145,553	n/a	63,914	74,400	106,904	472,734	81,297	97,861	152,481	162,241	159,791
Urology	68,268	80,523	49,522	44,081	59,100	55,777	79,484	66,967	92,067	60,321	60,172
Orthopedic Surgery	46,997	37,131	40,316	27,458	27,101	32,856	36,722	39,759	39,309	35,399	32,555
Plastic Surgery	341,772	**	89,491	60,835	80,841	80,957	80,894	70,760	91,441	84,884	83,028
Neurosurgery	124,424	n/a	7,173,077	206,236	152,714	177,867	198,365	260,712	161,016	146,105	172,030
Ophthalmology	50,752	38,366	19,719	26,536	27,688	26,970	43,988	31,058	34,050	25,819	28,023
Otolaryngology	55,901	80,523	81,942	52,204	46,194	53,657	88,009	80,487	89,724	69,991	57,641
Obstetrics/Gynecology	28,466	24,171	26,106	22,957	22,310	17,655	22,295	29,083	27,460	33,814	21,882
Total Specialties	2,085	2,376	2,110	1,839	1,314	1,312	1,760	2,199	1,844	1,763	1,479
Total Physicians	782	850	872	825	662	615	816	803	746	704	675

Source: NPDB, CIHI

* Canada totals are ten province totals, the Yukon and Northwest Territories are not available.

** PEI plastic surgeons are included with general surgeons.

n/a = Not Applicable - There were no full-time equivalent fee-for-service physicians for this specialty for this province.

Notes

Net population figures are used to calculate population per physician figures.

Please refer to tables 4-1 to 4-21 for detailed footnotes by specialty.

Table E-2: Population per Full-time Equivalent Fee-for-service Physician by Specialty, Canada and the Provinces, 2000/2001

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont. ^	Man.	Sask.	Alta.	B.C.	Canada*
Family Medicine	1,400	1,343	1,511	1,494	1,322	1,167	1,440	1,217	1,228	1,182	1,240
Medical Specialties	3,061	4,462	4,108	3,387	2,090	1,915	2,463	3,757	2,667	2,698	2,244
Internal Medicine	6,916	10,550	13,583	7,943	4,979	4,844	7,013	9,109	7,672	8,292	5,777
Neurology	95,071	287,917	129,019	50,847	41,680	60,470	71,745	56,079	69,214	61,495	56,565
Psychiatry	17,820	26,224	18,924	29,328	10,578	7,266	11,100	24,912	10,792	10,731	9,524
Pediatrics	23,705	46,067	48,550	29,547	16,162	15,383	14,474	30,418	17,125	27,035	17,768
Dermatology	126,165	206,269	116,763	142,681	45,675	75,149	149,987	257,823	80,933	87,510	71,233
Physical Medicine	n/a	1,256,364	211,814	201,747	90,144	86,210	99,469	281,326	228,144	192,447	111,406
Anesthesia	15,311	16,571	13,278	14,328	15,573	13,948	13,577	17,217	16,035	11,490	14,178
Surgical Specialties	5,172	4,925	4,345	4,203	4,337	4,081	5,035	4,927	5,618	5,226	4,483
General Surgery	20,823	11,555	17,922	21,105	18,462	15,967	21,670	19,953	24,749	26,273	18,723
Thoracic/Cardiovascular Surgery	103,915	n/a	66,961	79,925	103,819	464,646	77,485	97,455	150,425	99,796	145,706
Urology	71,303	60,349	49,633	45,048	62,031	54,615	78,227	71,921	91,982	64,038	60,922
Orthopedic Surgery	36,451	35,619	37,772	27,633	28,724	31,966	35,384	34,710	39,299	35,709	32,443
Plastic Surgery	187,483	**	84,841	61,365	91,045	83,231	87,915	68,811	91,535	88,812	86,604
Neurosurgery	113,122	n/a	1,098,941	210,224	178,933	180,608	234,201	173,197	172,876	154,089	180,728
Ophthalmology	46,344	42,786	19,497	26,967	27,324	27,381	41,454	30,814	33,573	26,197	28,055
Otolaryngology	48,219	138,200	106,876	53,799	49,245	53,056	84,659	81,472	89,815	69,737	58,646
Obstetrics/Gynecology	26,492	24,246	25,335	23,300	23,608	17,313	21,307	28,712	27,024	34,024	21,850
Total Specialties	1,923	2,341	2,112	1,875	1,410	1,303	1,654	2,132	1,808	1,779	1,496
Total Physicians	810	854	881	832	682	616	770	775	731	710	678

Source: NPDB, CIHI

* Canada totals are ten province totals, the Yukon and Northwest Territories are not available.

** PEI plastic surgeons are included with general surgeons.

n/a = Not Applicable - There were no full-time equivalent fee-for-service physicians for this specialty for this province.

Notes

Net population figures are used to calculate population per physician figures.

Please refer to tables 5-1 to 5-21 for detailed footnotes by specialty.

Appendix F

Physicians Per 100,000 Population

Table F-1: Full-time Equivalent Fee-for-service Physicians per 100,000 Population by Specialty, Canada and the Provinces, 1999/2000

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Family Medicine	80	76	67	67	75	87	66	79	80	85	81
Medical Specialties	30	22	24	30	52	52	37	26	37	37	45
Internal Medicine	14	10	7	12	21	20	13	10	13	12	17
Neurology	1	0	1	2	3	2	1	2	1	2	2
Psychiatry	5	4	5	4	11	14	9	4	9	9	11
Pediatrics	4	3	2	3	7	7	7	3	6	4	6
Dermatology	1	0	1	1	2	1	1	0	1	1	1
Physical Medicine	0	0	0	1	1	1	1	0	0	1	1
Anesthesia	5	5	8	7	7	7	7	6	6	9	7
Surgical Specialties	18	20	23	24	24	24	19	20	18	20	23
General Surgery	5	9	6	5	6	6	5	5	4	4	6
Thoracic/Cardiovascular Surgery	1	n/a	2	1	1	0	1	1	1	1	1
Urology	1	1	2	2	2	2	1	1	1	2	2
Orthopedic Surgery	2	3	2	4	4	3	3	3	3	3	3
Plastic Surgery	0	**	1	2	1	1	1	1	1	1	1
Neurosurgery	1	n/a	0	0	1	1	1	0	1	1	1
Ophthalmology	2	3	5	4	4	4	2	3	3	4	4
Otolaryngology	2	1	1	2	2	2	1	1	1	1	2
Obstetrics/Gynecology	4	4	4	4	4	6	4	3	4	3	5
Total Specialties	48	42	47	54	76	76	57	45	54	57	68
Total Physicians	128	118	115	121	151	163	123	125	134	142	148

Source: NPDB, CIHI

* Canada totals are ten province totals, the Yukon and Northwest Territories are not available.

** PEI plastic surgeons are included with general surgeons.

n/a = Not Applicable - There were no full-time equivalent fee-for-service physicians for this specialty for this province.

Notes

Net population figures are used to calculate population per physician figures.

Please refer to tables 4-1 to 4-21 for detailed footnotes by specialty.

Table F-2: Full-time Equivalent Fee-for-service Physicians per 100,000 Population by Specialty, Canada and the Provinces, 2000/2001

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Family Medicine	71	74	66	67	76	86	69	82	81	85	81
Medical Specialties	33	22	24	30	48	52	41	27	37	37	45
Internal Medicine	14	9	7	13	20	21	14	11	13	12	17
Neurology	1	0	1	2	2	2	1	2	1	2	2
Psychiatry	6	4	5	3	9	14	9	4	9	9	10
Pediatrics	4	2	2	3	6	7	7	3	6	4	6
Dermatology	1	0	1	1	2	1	1	0	1	1	1
Physical Medicine	n/a	0	0	0	1	1	1	0	0	1	1
Anesthesia	7	6	8	7	6	7	7	6	6	9	7
Surgical Specialties	19	20	23	24	23	25	20	20	18	19	22
General Surgery	5	9	6	5	5	6	5	5	4	4	5
Thoracic/Cardiovascular Surgery	1	n/a	1	1	1	0	1	1	1	1	1
Urology	1	2	2	2	2	2	1	1	1	2	2
Orthopedic Surgery	3	3	3	4	3	3	3	3	3	3	3
Plastic Surgery	1	**	1	2	1	1	1	1	1	1	1
Neurosurgery	1	n/a	0	0	1	1	0	1	1	1	1
Ophthalmology	2	2	5	4	4	4	2	3	3	4	4
Otolaryngology	2	1	1	2	2	2	1	1	1	1	2
Obstetrics/Gynecology	4	4	4	4	4	6	5	3	4	3	5
Total Specialties	52	43	47	53	71	77	60	47	55	56	67
Total Physicians	123	117	114	120	147	162	130	129	137	141	148

Source: NPDB, CIHI

* Canada totals are ten province totals, the Yukon and Northwest Territories are not available.

** PEI plastic surgeons are included with general surgeons.

n/a = Not Applicable - There were no full-time equivalent fee-for-service physicians for this specialty for this province.

Notes

Net population figures are used to calculate population per physician figures.

Please refer to tables 5-1 to 5-21 for detailed footnotes by specialty.