

NATIONAL PHYSICIAN DATABASE



FULL-TIME EQUIVALENT
PHYSICIANS REPORT, CANADA
1998/1999 AND 1999/2000



Canadian Institute
for Health Information

Institut canadien
d'information sur la santé

**Full-Time Equivalent Physicians Report
Canada, 1998/1999 and 1999/2000**

All rights reserved.

No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or by any information storage and retrieval system now known or to be invented, without the prior permission in writing from the owner of the copyright, except by a reviewer who wishes to quote brief passages in connection with a review written for inclusion in a magazine, newspaper or broadcast.

Requests for permission should be addressed to:

Canadian Institute for Health Information
377 Dalhousie Street
Suite 200
Ottawa, Ontario
K1N 9N8

Telephone: (613) 241-7860
Fax: (613) 241-8120
www.cihi.ca

ISBN: 1-55392-065-1

© 2002 Canadian Institute for Health Information

Cette publication est disponible en français sous le titre « Médecins équivalents à temps plein Canada, 1998-1999 à 1999-2000 » ISBN 1-55392-066-X

Full-Time Equivalent Physicians Report Canada, 1998/1999 and 1999/2000

Table of Contents

Foreword	1
Preface	1
Introduction.....	3
Methodological Notes	5
Background	5
Data Sources and Collection	10
Data Quality	13
Data Definitions	14
Computations	15
Data Limitations	16
Privacy and Confidentiality.....	17
Products and Services	18

Data Tables

Table 1-1: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, by Year and Type of Practice	21
Table 1-2: Percent Change in Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, by Year and Type of Practice.....	21
Table 2-1: Full-Time Equivalent Fee-for-Service Physicians by Specialty, Canada and the Provinces, 1998/1999	22
Table 2-2: Full-Time Equivalent Fee-for-Service Physicians by Specialty, Canada and the Provinces, 1999/2000	23
Table 3-1: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, by Year and Gender.....	24
Table 3-2: Fee-for-Service Physician Counts, Canada and the Provinces, by Year and Gender	24
Table 3-3: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, by Year and Age Group.....	25

**Full-Time Equivalent Physicians Report
Canada, 1998/1999 and 1999/2000**

Data Tables (cont'd)

Table 3-4: Fee-for-Service Physician Counts, Canada and the Provinces,
by Year and Age Group 26

Table 3-5: Full-Time Equivalent Fee-for-Service Physicians, Canada
and the Provinces, by Year and Place of MD Graduation 27

Table 3-6: Fee-for-Service Physician Counts, Canada and the Provinces,
by Year and Place of MD Graduation 27

Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1998/1999

Table 4-1: Family Medicine 28

Table 4-2: Medical Specialists 28

Table 4-3: Internal Medicine 29

Table 4-4: Neurology and EEG 29

Table 4-5: Psychiatry and Neuropsychiatry 30

Table 4-6: Pediatrics 30

Table 4-7: Dermatology 31

Table 4-8: Physical Medicine/Rehabilitation 31

Table 4-9: Anesthesia 32

Table 4-10: Surgical Specialists 32

Table 4-11: General Surgery 33

Table 4-12: Thoracic/Cardiovascular Surgery 33

Table 4-13: Urology 34

Table 4-14: Orthopedic Surgery 34

Table 4-15: Plastic Surgery 35

Table 4-16: Neurosurgery 35

Table 4-17: Ophthalmology 36

Table 4-18: Otolaryngology 36

Table 4-19: Obstetrics/Gynecology 37

Table 4-20: Specialists 37

Table 4-21: Total Physicians 38

**Full-Time Equivalent Physicians Report
Canada, 1998/1999 and 1999/2000**

Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1999/2000

Table 5-1: Family Medicine	39
Table 5-2: Medical Specialists	39
Table 5-3: Internal Medicine	40
Table 5-4: Neurology and EEG	40
Table 5-5: Psychiatry and Neuropsychiatry	41
Table 5-6: Pediatrics	41
Table 5-7: Dermatology	42
Table 5-8: Physical Medicine/Rehabilitation	42
Table 5-9: Anesthesia	43
Table 5-10: Surgical Specialists.....	43
Table 5-11: General Surgery	44
Table 5-12: Thoracic/Cardiovascular Surgery.....	44
Table 5-13: Urology	45
Table 5-14: Orthopedic Surgery	45
Table 5-15: Plastic Surgery.....	46
Table 5-16: Neurosurgery.....	46
Table 5-17: Ophthalmology	47
Table 5-18: Otolaryngology	47
Table 5-19: Obstetrics/Gynecology.....	48
Table 5-20: Specialists.....	48
Table 5-21: Total Physicians.....	49

Appendices

Appendix A—Net Population Estimates.....	A-1
Appendix B—NPDB Provincial Authorization Officers	B-1
Appendix C—NPDB Specialty Categories	C-1
Appendix D—Fee-for-Service Radiology and Laboratory Coverage in NPDB	D-1
Appendix E—Population per Physician	E-1
Appendix F—Physicians per 100,000 Population	F-1

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.

Formed in 1993, CIHI brought together expertise and health information services from the Hospital Medical Records Institute, The MIS Group, and selected components of Health Canada and Statistics Canada. 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, 1998/1999 and 1999/2000* 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 Health Ministries and the CIHI Expert Group on Physician-Related Databases in the development and publication of this report.

Preface

The *"Full-Time Equivalent Physicians Report, Canada, 1998/1999 and 1999/2000"* is the fourth Full-Time Equivalent Physicians Report produced by CIHI since the National Physician Database (NPDB) was moved to CIHI from Health Canada. 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"* and the *"Full-Time Equivalent Physicians Report, Canada, 1996/97 to 1998/99"* produced in 1997, 1999 and 2001 respectively by CIHI, the *"Full-Time Equivalent Physicians, Interprovincial Comparisons, Methodology and Statistics: Supplement 1990/91"* in August, 1992 by the Health Information Division at Health Canada. The report contained figures derived using data from the Medical Care Database (MCDB), the predecessor of the National Physician Database (NPDB). In August 1995, both databases were transferred to the Canadian Institute for Health Information (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

The National Physician Database (NPDB) has been used by the federal and provincial/territorial governments, medical stakeholder groups, and various private organizations and researchers as a national data source for the full-time equivalent physician counts for Canada.

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

- provide a consistent basis for interprovincial and intraprovincial comparisons of physicians supply;
- 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. Phases 2 and 3 of NPDB will include data on non fee-for-service activity of physicians.

The current report uses 1995/96 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 1985/86 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 1993–94 or 94–95 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 also be noted that 1998/99 data for British Columbia was updated within NPDB. Consequently, 1998/99 results presented in earlier reports differ from those given in the current report. These changes are reflected in results given for the province of British Columbia as well as national results.

Any questions regarding the publication or the NPDB should be directed to:

Consultant, NPDB
Health Human Resources, CIHI
Suite 200–377 Dalhousie Street
Ottawa, ON
K1N 9N8

e-mail: npdb@cihi.ca

Tel: (613) 241-7860
Fax: (613) 241-8120

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 moved 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-Related 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 project. 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 will add 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 interprovincial 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 resultant 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 specialties of practitioner. 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 the provincial schedule of benefits. As well, interprovincial comparability will be weak because of differing benefit levels among the provinces.

To try to improve interprovincial, 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. Interprovincial comparability is improved but still there is no indication that the full-time benchmark in one province would reflect the same intensity of production as the full-time benchmark in any other province. 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 & Welfare, provincial medicare agencies, and academic consultants. The working group identified the following objectives of a FTE measure:

- provide a consistent basis for interprovincial and intraprovincial comparisons of physicians supply;
- 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.

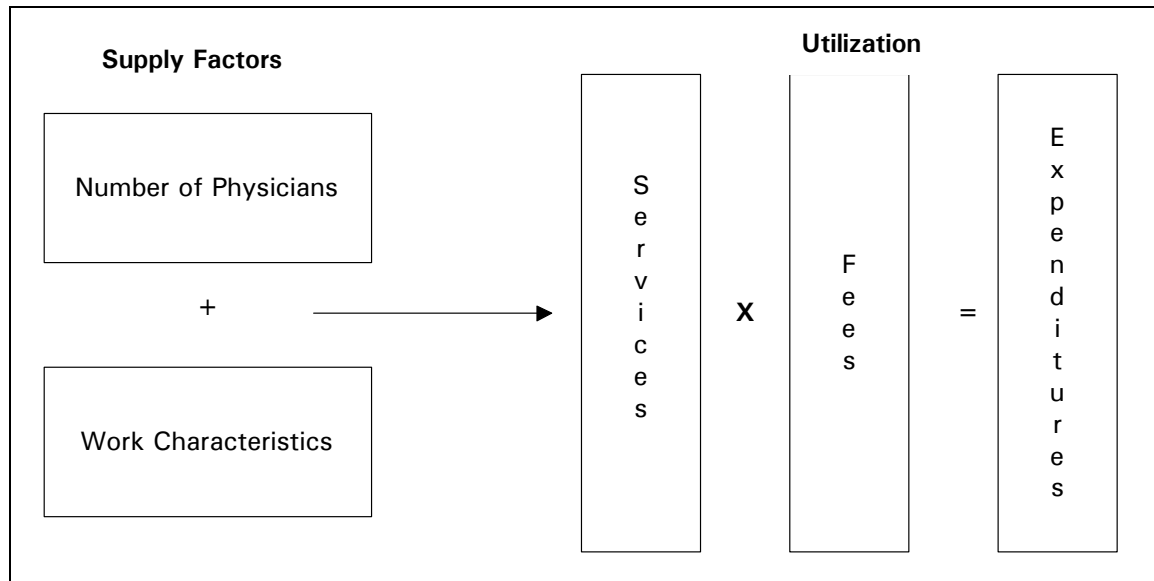


Figure 1. Relationship between income and FTE values

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 cutoff 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

The measure was designed to count 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 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 recognize 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.

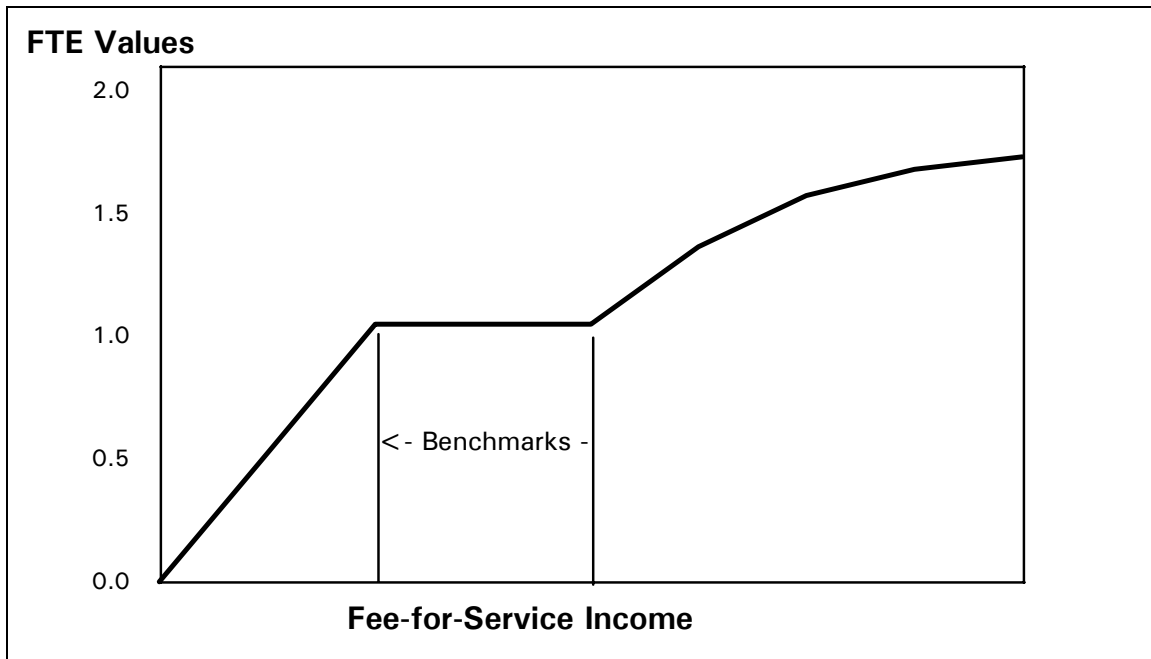


Figure 2. Relationship between income and FTE values.

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 1995/96 utilization data to establish a base year for implementing the FTE methodology. Earlier reports used 1985/86 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 the provincial medical insurance programs to CIHI. The claims data and associated demographic data of the physician and patient 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.

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. British Columbia's shift from date of payment to date of service reporting was noted in the 1996/97 to 1998/99 FTE report. 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 vs. Date of Payment

Prov	1998/1999		1999/2000	
	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 totalled \$3.6 million in 1998/99 and \$0.9 million in 1999/00. For 1998/1999, British Columbia payments include proration (\$28.5 million) and payments made by the ICBC (\$9.1 million), the WCB (\$25.4 million) as well as midwife referral claims (\$208,000) but exclude Northern and Isolation Allowances (\$8.3 million). For 1999/2000, British Columbia payments include payments made by the ICBC (\$8.9 million), the WCB (\$27.7 million) as well as midwife referral claims (\$350,000) but exclude Northern and Isolation Allowances (\$8.9 million).

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 few 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	Combination
Nfld.	1998/1999	929	71	29	N/A	N/A
	1999/2000	948	70	30	"	"
P.E.I.	1998/1999	197	55	4	1	40
	1999/2000	197	62	4	4	30
N.S. ³	1998/1999	1,795	63.1	2.9	N/A	29.5
	1999/2000	1,838	52.8	1.4	0.1	45.7
N.B.	1998/1999	1,328	58.3	3.2	1.0	37.4
	1999/2000	1,350	51.2	4.5	1.0	43.3
Que. ⁴	1998/1999	14,293	87	3	9	1
	1999/2000	14,530	83	7	7	3
Ont. ⁵	1998/1999	20,734	93	N/A	N/A	7
	1999/2000	20,868	93	"	"	7
Man.	1998/1999	2,100	40	16 Salary/Sessional		45
	1999/2000	2,149	30.2	17.5 Salary/Sessional		52.3
Sask.	1998/1999	1,490	81.3	N/A	N/A	18.7
	1999/2000	1,533	81.6	"	"	18.4
Alta. ⁶	1998/1999	4,442	98	N/A	1	1
	1999/2000	4,636	98	"	1	1
B.C.	1998/1999	7,670	78.9	0.7	1.5	18.9
	1999/2000	7,742	78.7	0.6	1.4	19.2

Notes

N/A = Not applicable.

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 patient 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. Physicians under combination payment mode include physicians who are paid fee-for-service, salary and sessional or any combination there of. May also include some other modes of payments such as capitation.
3. For 1998/99 Nova Scotia counts include 35 physicians receiving radiology/internal medicine/pathology payments only and 47 physicians receiving psychiatric payments only. Nova Scotia counts for 1999/2000 include 38 physicians receiving radiology/internal medicine/pathology payments only and 62 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 this publication, 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

Any 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 administrative systems and edit checks are done on the data by the province prior to processing the NPDB files. As CIHI has no control over provincial 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 the provinces 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 annual reports.

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

Data Definitions

Full-Time Equivalent (FTE)

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

Province of Practice

Province of practice is the province where the physician is registered and receives payments from the provincial medical care plan. Physicians may practice in more than one province 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, especially at the national level.

Specialty

Physician specialty designations on the NPDB are assigned by the provincial 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 later 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, 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.

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

Unique Physician Identifier (UPI)

Unique identifier created by the province 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 1995/96.
 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 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 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 or the Collège des médecins du Québec. 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.

For the purposes of this report the payment plan specialty is used. Provinces 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 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.

Radiology and Pathology (Laboratory) Physicians

With the exception of Ontario, payments to radiologists, pathologists and laboratory directors are excluded. Results for Ontario include payments to laboratory directors. 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 the other provinces. 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 files. Instead a Unique Physician Identifier (UPI) is generated by the province using components of the physicians 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. 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 and indicator of interest, CIHI may not be able to release data to the client without prior approval from the province(s)/territory(s). 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 the CIHI Privacy and Confidentiality Policy. CIHI's pledge is to "at all times respect personal privacy and safeguard individual record confidentiality and system security". There are eight principles (accountability, limiting collection, limiting use, limiting disclosure, consent, integrity, security and openness) which govern the policy and are applied in conjunction with more detailed policies on data integrity and systems security, data linkage, institutional-level confidentiality, microdata disclosure, surveys and personal privacy. For a complete description of the CIHI Privacy and Confidentiality Policy please contact the Consultant, NPDB, CIHI.

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 form 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, 1989/90 to 1993/94;
- Average Payment per Physician Report, Canada, 1993/94 to 1995/96;
- Average Payment per Physician Report, Canada, 1996/97 to 1998/99;
- Full-Time Equivalent Physicians Report, Canada, 1989/90 to 1993/94;
- Full-Time Equivalent Physicians Report, Canada, 1993/94 to 1995/96;
- Full-Time Equivalent Physicians Report, Canada, 1996/97 to 1998/99;
- National Grouping System Report, Canada, 1989/90 to 1993/94;
- National Grouping System Report, Canada, 1994/95 and 1995/96;
- National Grouping System Report, Canada, 1996/97 to 1998/99;
- Physician Services Benefit Rates, Canada, 1993/94;
- Physician Services Benefit Rates, Canada, 1995/96;
- Reciprocal Billing Report, Canada, 1993/94;
- Reciprocal Billing Report, Canada, 1995/96;
- Reciprocal Billing Report, Canada, 1998/99;
- Rapport sur les catégories du système de groupement national, Canada, 1989–1990 à 1993–1994;
- Rapport sur les paiements moyens par médecin, Canada, 1989–1990 à 1993–1994;
and
- Médecins équivalents à temps plein, Canada, 1989–1990 à 1993–1994.

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*
1998/1999											
Family Medicine	365.71	105.84	636.35	518.22	5,333.22	9,902.15	707.52	808.69	2,296.92	3,480.07	24,154.69
Medical Specialties	186.65	29.01	276.90	220.30	3,768.61	5,972.20	411.30	260.32	1,035.97	1,439.33	13,600.59
Surgical Specialties	106.45	27.37	212.75	175.68	1,742.39	2,816.27	224.30	201.47	511.19	769.11	6,786.98
Total Specialties	293.10	56.38	489.65	395.98	5,511.00	8,788.47	635.60	461.79	1,547.16	2,208.44	20,387.57
Total Physicians	658.81	162.22	1,126.00	914.20	10,844.22	18,690.62	1,343.12	1,270.48	3,844.08	5,688.51	44,542.26
1999/2000											
Family Medicine	423.58	104.71	619.26	501.39	5,502.82	10,816.50	748.11	810.46	2,363.04	3,524.78	25,414.65
Medical Specialties	163.24	29.93	225.42	226.83	3,792.59	5,700.26	427.10	261.70	1,081.83	1,501.21	13,410.11
Surgical Specialties	96.02	28.36	211.01	181.55	1,781.25	2,574.69	220.95	204.18	525.12	800.34	6,623.47
Total Specialties	259.26	58.29	436.43	408.38	5,573.84	8,274.95	648.05	465.88	1,606.95	2,301.55	20,033.58
Total Physicians	682.84	163.00	1,055.69	909.77	11,076.66	19,091.45	1,396.16	1,276.34	3,969.99	5,826.33	45,448.23

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*
1998/1999 and 1999/2000											
Family Medicine	15.82	-1.07	-2.69	-3.25	3.18	9.23	5.74	0.22	2.88	1.28	5.22
Medical Specialties	-12.54	3.17	-18.59	2.96	0.64	-4.55	3.84	0.53	4.43	4.30	-1.40
Surgical Specialties	-9.80	3.62	-0.82	3.34	2.23	-8.58	-1.49	1.35	2.73	4.06	-2.41
Total Specialties	-11.55	3.39	-10.87	3.13	1.14	-5.84	1.96	0.89	3.86	4.22	-1.74
Total Physicians	3.65	0.48	-6.24	-0.48	2.14	2.14	3.95	0.46	3.28	2.42	2.03

Source: NPDB, CIHI

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

^ Preliminary. Ontario will re-submit its 1999 data to exclude medical laboratory directors. The impact is expected to be minimal.

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, 1998/1999

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Family Medicine	365.71	105.84	636.35	518.22	5,333.22	9,902.15	707.52	808.69	2,296.92	3,480.07	24,154.69
Medical Specialties	186.65	29.01	276.90	220.30	3,768.61	5,972.20	411.30	260.32	1,035.97	1,439.33	13,600.59
Internal Medicine	75.86	14.09	112.60	88.54	1,467.10	2,302.78	147.61	107.13	361.16	466.37	5,143.24
Neurology	6.56	0.36	9.48	15.17	194.83	193.65	15.92	14.29	38.70	65.04	554.00
Psychiatry	37.05	4.78	50.06	31.01	839.66	1,615.67	100.36	39.08	251.00	364.02	3,332.69
Pediatrics	28.27	3.08	20.20	25.47	507.37	761.33	77.35	33.40	162.05	148.26	1,766.78
Dermatology	5.03	0.77	7.30	5.87	167.99	173.23	7.26	3.70	37.16	42.82	451.13
Physical Medicine	0.06	0.17	7.00	3.88	87.48	127.24	9.96	2.99	12.75	19.20	270.73
Anesthesia	33.82	5.76	70.26	50.36	504.18	798.30	52.84	59.73	173.15	333.62	2,082.02
Surgical Specialties	106.45	27.37	212.75	175.68	1,742.39	2,816.27	224.30	201.47	511.19	769.11	6,786.98
General Surgery	27.95	11.74	51.41	34.01	418.20	725.98	55.39	53.19	116.70	166.49	1,661.06
Thoracic/Cardiovascular Surgery	4.60	n/a	15.06	10.20	66.86	24.09	11.53	9.43	18.22	24.82	184.81
Urology	7.76	0.90	18.94	17.69	118.74	204.99	14.91	15.12	31.21	66.90	497.16
Orthopedic Surgery	14.11	3.80	22.75	23.97	263.97	350.90	30.76	24.67	73.57	118.93	927.43
Plastic Surgery	2.44	n/a	9.14	13.13	89.18	141.45	14.03	13.93	33.00	48.40	364.70
Neurosurgery	4.28	n/a	0.60	3.46	51.87	64.18	6.64	4.10	17.55	27.10	179.78
Ophthalmology	11.54	3.59	44.42	29.53	254.61	434.08	26.47	33.60	85.75	148.79	1,072.38
Otolaryngology	12.17	2.00	14.19	14.85	155.71	214.77	12.72	12.84	30.96	54.05	524.26
Obstetrics/Gynecology	21.60	5.34	36.24	28.84	323.25	655.83	51.85	34.59	104.23	113.63	1,375.40
Total Specialties	293.10	56.38	489.65	395.98	5,511.00	8,788.47	635.60	461.79	1,547.16	2,208.44	20,387.57
Total Physicians	658.81	162.22	1,126.00	914.20	10,844.22	18,690.62	1,343.12	1,270.48	3,844.08	5,688.51	44,542.26

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

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, 1999/2000

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.^	Man.	Sask.	Alta.	B.C.	Canada*
Family Medicine	423.58	104.71	619.26	501.39	5,502.82	10,816.50	748.11	810.46	2,363.04	3,524.78	25,414.65
Medical Specialties	163.24	29.93	225.42	226.83	3,792.59	5,700.26	427.10	261.70	1,081.83	1,501.21	13,410.11
Internal Medicine	75.33	13.18	66.75	93.78	1,511.69	2,215.75	144.75	107.23	380.46	477.84	5,086.76
Neurology	6.42	0.37	6.12	15.01	196.06	182.84	14.69	15.75	41.70	68.62	547.58
Psychiatry	26.88	5.16	50.35	28.48	828.54	1,530.99	96.96	39.42	268.39	375.62	3,250.79
Pediatrics	22.58	3.72	20.81	25.62	489.68	727.60	76.16	32.93	163.61	151.00	1,713.71
Dermatology	4.00	0.67	7.23	5.98	170.50	159.19	7.42	3.69	36.29	47.41	442.38
Physical Medicine	0.01	0.17	4.62	4.11	87.97	122.87	9.09	3.51	12.74	21.42	266.51
Anesthesia	28.02	6.66	69.54	53.85	508.15	761.02	78.03	59.17	178.64	359.30	2,102.38
Surgical Specialties	96.02	28.36	211.01	181.55	1,781.25	2,574.69	220.95	204.18	525.12	800.34	6,623.47
General Surgery	27.64	11.85	51.66	35.68	426.89	680.22	51.61	53.28	119.42	177.93	1,636.18
Thoracic/Cardiovascular Surgery	3.71	n/a	14.39	10.09	68.66	23.00	14.03	10.47	19.43	24.82	188.60
Urology	7.92	1.72	18.62	17.03	124.16	191.48	14.35	15.30	32.18	66.75	489.51
Orthopedic Surgery	11.50	3.73	22.76	27.34	270.76	317.30	31.06	25.77	75.37	119.92	905.51
Plastic Surgery	1.58	n/a	10.26	12.37	90.77	124.87	14.10	14.48	32.40	49.46	350.29
Neurosurgery	4.34	n/a	0.13	3.64	48.05	59.53	5.75	3.93	18.40	28.37	172.14
Ophthalmology	10.65	3.61	46.75	28.32	265.00	373.11	25.93	32.99	87.01	156.21	1,029.58
Otolaryngology	9.66	1.72	11.18	14.38	158.88	196.38	12.96	12.73	33.02	57.62	508.53
Obstetrics/Gynecology	19.02	5.73	35.26	32.70	328.08	608.80	51.16	35.23	107.89	119.26	1,343.13
Total Specialties	259.26	58.29	436.43	408.38	5,573.84	8,274.95	648.05	465.88	1,606.95	2,301.55	20,033.58
Total Physicians	682.84	163.00	1,055.69	909.77	11,076.66	19,091.45	1,396.16	1,276.34	3,969.99	5,826.33	45,448.23

Source: NPDB, CIHI

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

^ Preliminary. Ontario will re-submit its 1999 data to exclude medical laboratory directors. The impact is expected to be minimal.

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*
1998/1999											
Males	518.76	143.75	847.49	731.24	7,984.05	14,788.75	1,074.18	1,042.67	2,971.69	4,532.54	34,635.12
Females	140.05	18.47	278.51	182.96	2,860.17	3,901.87	268.94	227.81	872.39	1,155.93	9,907.10
Unknown	n/a	n/a	n/a	0.00	n/a	n/a	n/a	n/a	n/a	0.04	0.04
Total	658.81	162.22	1,126.00	914.20	10,844.22	18,690.62	1,343.12	1,270.48	3,844.08	5,688.51	44,542.26
1999/2000											
Males	538.86	143.74	788.46	718.55	8,065.51	15,016.75	1,107.97	1,039.03	3,054.71	4,636.38	35,109.96
Females	143.98	19.26	267.23	191.22	3,011.15	4,074.70	288.19	237.31	915.28	1,189.36	10,337.68
Unknown	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.59	0.59
Total	682.84	163.00	1,055.69	909.77	11,076.66	19,091.45	1,396.16	1,276.34	3,969.99	5,826.33	45,448.23

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*
1998/1999											
Males	666	167	1,118	806	8,342	14,841	1,326	1,049	3,132	5,315	36,762
Females	212	29	449	253	3,754	4,968	414	317	1,183	1,800	13,379
Unknown	n/a	n/a	n/a	1	n/a	n/a	n/a	n/a	n/a	1	2
Total	878	196	1,567	1,060	12,096	19,809	1,740	1,366	4,315	7,116	50,143
1999/2000											
Males	643	181	1,022	830	8,379	14,803	1,318	1,057	3,208	5,320	36,761
Females	201	40	434	284	3,979	5,136	444	341	1,244	1,849	13,952
Unknown	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2	2
Total	844	221	1,456	1,114	12,358	19,939	1,762	1,398	4,452	7,171	50,715

Source: NPDB, CIHI

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

^ Preliminary. Ontario will re-submit its 1999 data to exclude medical laboratory directors. The impact is expected to be minimal.

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*
1998/1999											
20-29	2.77	1.36	5.04	12.25	184.15	128.73	15.55	14.14	49.62	28.65	442.26
30-39	148.01	28.54	239.03	230.51	2,799.63	4,060.36	291.65	295.78	873.02	1,311.26	10,277.79
40-49	239.80	63.24	423.85	312.55	3,924.04	6,425.21	480.54	366.01	1,572.18	2,082.54	15,889.96
50-59	189.90	37.68	300.59	246.47	2,674.95	4,826.48	322.41	350.52	911.45	1,588.82	11,449.27
60-69	62.10	28.71	131.81	93.19	1,090.28	2,522.11	185.49	191.96	375.23	571.34	5,252.22
70-79	16.20	1.97	22.41	15.24	153.63	660.22	45.26	48.83	54.68	101.11	1,119.55
80+	n/a	0.72	0.19	2.55	17.54	55.27	2.22	3.24	5.18	4.54	91.45
Unknown	0.03	n/a	3.08	1.44	n/a	12.24	n/a	n/a	2.72	0.25	19.76
Total	658.81	162.22	1,126.00	914.20	10,844.22	18,690.62	1,343.12	1,270.48	3,844.08	5,688.51	44,542.26
1999/2000											
20-29	9.18	1.07	5.96	13.58	178.87	103.94	14.58	18.76	39.79	27.11	412.84
30-39	140.76	30.58	210.97	224.72	2,780.87	4,103.88	282.55	296.10	914.03	1,241.31	10,225.77
40-49	245.23	58.04	393.50	311.18	3,983.43	6,484.97	514.82	368.99	1,587.82	2,134.08	16,082.06
50-59	202.17	43.85	289.13	238.33	2,791.60	5,065.88	345.76	334.86	982.27	1,698.33	11,992.18
60-69	67.68	24.24	127.65	103.58	1,149.93	2,559.23	185.13	196.97	377.07	607.22	5,398.70
70-79	17.55	4.59	23.62	15.86	169.74	699.58	51.39	58.22	61.35	112.08	1,213.98
80+	0.25	0.34	1.64	2.52	22.22	63.62	1.93	2.44	5.17	6.20	106.33
Unknown	0.02	0.29	3.22	n/a	n/a	10.35	n/a	n/a	2.49	n/a	16.37
Total	682.84	163.00	1,055.69	909.77	11,076.66	19,091.45	1,396.16	1,276.34	3,969.99	5,826.33	45,448.23

Source: NPDB, CIHI

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

^ Preliminary. Ontario will re-submit its 1999 data to exclude medical laboratory directors. The impact is expected to be minimal.

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*
1998/1999											
20-29	18	4	19	24	292	211	29	28	77	74	776
30-39	254	34	395	299	3,275	4,591	448	336	1,080	1,804	12,516
40-49	304	75	557	341	4,166	6,193	590	398	1,639	2,386	16,649
50-59	187	42	358	239	2,753	4,472	340	331	915	1,796	11,433
60-69	84	30	184	112	1,265	2,677	227	198	454	797	6,028
70-79	29	8	49	35	281	1,102	96	68	117	245	2,030
80+	n/a	3	2	7	64	157	10	7	27	13	290
Unknown	2	n/a	3	3	n/a	406	n/a	n/a	6	1	421
Total	878	196	1,567	1,060	12,096	19,809	1,740	1,366	4,315	7,116	50,143
1999/2000											
20-29	26	3	23	27	288	181	26	31	63	69	737
30-39	233	42	343	316	3,259	4,543	422	356	1,132	1,712	12,358
40-49	283	77	514	352	4,224	6,267	613	404	1,665	2,428	16,827
50-59	187	50	342	244	2,884	4,693	369	328	985	1,877	11,959
60-69	82	32	174	128	1,333	2,715	219	197	447	825	6,152
70-79	31	11	53	38	304	1,163	106	74	131	248	2,159
80+	1.00	2	4	9	66	172	7	8	25	12	306
Unknown	1	4.00	3	n/a	n/a	205	n/a	n/a	4	n/a	217
Total	844	221	1,456	1,114	12,358	19,939	1,762	1,398	4,452	7,171	50,715

Source: NPDB, CIHI

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

^ Preliminary. Ontario will re-submit its 1999 data to exclude medical laboratory directors. The impact is expected to be minimal.

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*
1998/1999											
Canada	420.50	135.48	847.49	736.38	9,502.62	13,764.06	873.81	554.73	2,691.22	4,029.55	33,555.84
USA	3.62	1.71	12.72	1.36	58.22	131.67	4.16	4.31	26.45	52.14	296.36
Other	232.69	21.80	262.98	176.46	n/a	4,754.59	465.15	711.44	1,094.49	1,501.65	9,221.25
Unknown	2.00	3.23	2.81	n/a	1,283.38	40.30	n/a	n/a	31.92	105.17	1,468.81
Total	658.81	162.22	1,126.00	914.20	10,844.22	18,690.62	1,343.12	1,270.48	3,844.08	5,688.51	44,542.26
1999/2000											
Canada	447.74	136.75	808.90	743.73	9,724.63	14,144.84	902.63	556.64	2,769.97	4,149.36	34,385.19
USA	3.46	1.57	9.89	2.08	60.10	133.16	3.80	5.09	26.73	53.34	299.22
Other	230.18	21.85	233.47	163.23	n/a	4,733.61	489.73	714.61	1,141.14	1,514.67	9,242.49
Unknown	1.46	2.83	3.43	0.73	1,291.93	79.84	n/a	n/a	32.15	108.96	1,521.33
Total	682.84	163.00	1,055.69	909.77	11,076.66	19,091.45	1,396.16	1,276.34	3,969.99	5,826.33	45,448.23

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*
1998/1999											
Canada	498	159	1,176	860	10,638	14,996	1,173	654	3,055	5,121	38,330
USA	4	3	21	3	70	157	8	7	32	79	384
Other	358	32	365	197	n/a	4,569	559	705	1,186	1,787	9,758
Unknown	18	2	5	n/a	1,388	87	n/a	n/a	42	129	1,671
Total	878	196	1,567	1,060	12,096	19,809	1,740	1,366	4,315	7,116	50,143
1999/2000											
Canada	499	180	1,103	910	10,898	15,132	1,192	672	3,167	5,195	38,948
USA	3	2	17	4	73	157	8	6	32	80	382
Other	321	33	330	196	n/a	4,527	562	720	1,213	1,764	9,666
Unknown	21	6	6	4.00	1,387	123	n/a	n/a	40	132	1,719
Total	844	221	1,456	1,114	12,358	19,939	1,762	1,398	4,452	7,171	50,715

Source: NPDB, CIHI

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

^ Preliminary. Ontario will re-submit its 1999 data to exclude medical laboratory directors. The impact is expected to be minimal.

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, 1998/1999

Family Medicine

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	285	52	496	313	2,608	4,175	442	387	1,102	2,317	12,177
# of FTE's	64.33	16.93	207.74	135.77	1,220.49	1,781.84	169.20	149.07	583.34	1,193.79	5,522.50
Within the Benchmarks											
# Physicians and FTE's	65	9	184	89	1,139	1,633	116	104	511	977	4,827
Above the Higher Benchmark											
# Physicians	168	57	199	226	2,449	4,805	323	383	927	1,078	10,615
# of FTE's	236.38	79.91	244.61	293.45	2,973.73	6,487.31	422.32	555.62	1,202.58	1,309.28	13,805.19
Total Physicians											
# Physicians	518	118	879	628	6,196	10,613	881	874	2,540	4,372	27,619
# of FTE's	365.71	105.84	636.35	518.22	5,333.22	9,902.15	707.52	808.69	2,296.92	3,480.07	24,154.69

Source: NPDB, CIHI

Table 4-2: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1998/1999

Medical Specialists

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	101	28	272	88	1,465	2,505	391	133	595	902	6,480
# of FTE's	34.27	4.75	111.75	34.08	757.54	1,067.88	177.86	63.62	297.06	442.21	2,991.02
Within the Benchmarks											
# Physicians and FTE's	32	8	86	35	820	997	74	52	222	340	2,666
Above the Higher Benchmark											
# Physicians	88	13	66	110	1,709	2,728	116	99	384	519	5,832
# of FTE's	120.38	16.26	79.15	151.22	2,191.07	3,907.32	159.44	144.70	516.91	657.12	7,943.57
Total Physicians											
# Physicians	221	49	424	233	3,994	6,230	581	284	1,201	1,761	14,978
# of FTE's	186.65	29.01	276.90	220.30	3,768.61	5,972.20	411.30	260.32	1,035.97	1,439.33	13,600.59

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, 1998/1999

Internal Medicine

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	35	9	111	25	588	929	135	48	211	239	2,330
# of FTE's	10.23	1.69	44.42	6.18	304.75	403.96	51.56	20.90	100.62	106.32	1,050.63
Within the Benchmarks											
# Physicians and FTE's	12	4	44	9	368	347	30	12	65	122	1,013
Above the Higher Benchmark											
# Physicians	39	7	20	51	638	998	44	49	136	178	2,160
# of FTE's	53.63	8.40	24.18	73.36	794.35	1,551.82	66.05	74.23	195.54	238.05	3,079.61
Total Physicians											
# Physicians	86	20	175	85	1,594	2,274	209	109	412	539	5,503
# of FTE's	75.86	14.09	112.60	88.54	1,467.10	2,302.78	147.61	107.13	361.16	466.37	5,143.24

Source: NPDB, CIHI

Table 4-4: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1998/1999

Neurology and EEG

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	4	3	11	1	74	91	8	2	30	36	260
# of FTE's	0.84	0.36	5.00	0.33	39.67	40.82	3.49	0.36	14.63	15.48	120.98
Within the Benchmarks											
# Physicians and FTE's	2	0	1	0	29	30	3	3	14	19	101
Above the Higher Benchmark											
# Physicians	3	0	3	10	92	78	7	7	7	24	231
# of FTE's	3.72	0.00	3.48	14.84	126.16	122.83	9.43	10.93	10.07	30.56	332.02
Total Physicians											
# Physicians	9	3	15	11	195	199	18	12	51	79	592
# of FTE's	6.56	0.36	9.48	15.17	194.83	193.65	15.92	14.29	38.70	65.04	554.00

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, 1998/1999

Psychiatry and Neuropsychiatry

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	9	6	59	20	381	695	75	15	88	296	1,644
# of FTE's	3.54	1.28	19.49	5.61	196.15	324.30	38.05	4.99	47.55	159.54	800.50
Within the Benchmarks											
# Physicians and FTE's	1	2	14	5	189	306	24	11	45	90	687
Above the Higher Benchmark											
# Physicians	22	1	13	15	340	730	30	14	120	93	1,378
# of FTE's	32.51	1.50	16.57	20.40	454.51	985.37	38.31	23.09	158.45	114.48	1,845.19
Total Physicians											
# Physicians	32	9	86	40	910	1,731	129	40	253	479	3,709
# of FTE's	37.05	4.78	50.06	31.01	839.66	1,615.67	100.36	39.08	251.00	364.02	3,332.69

Source: NPDB, CIHI

Table 4-6: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1998/1999

Pediatrics

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	27	6	17	12	163	367	62	28	128	144	954
# of FTE's	8.77	0.14	6.69	3.30	73.53	96.80	25.37	13.46	54.59	64.59	347.24
Within the Benchmarks											
# Physicians and FTE's	8	0	10	7	136	131	10	7	37	48	394
Above the Higher Benchmark											
# Physicians	8	2	3	11	226	367	32	10	54	29	742
# of FTE's	11.50	2.94	3.51	15.17	297.84	533.53	41.98	12.94	70.46	35.67	1,025.54
Total Physicians											
# Physicians	43	8	30	30	525	865	104	45	219	221	2,090
# of FTE's	28.27	3.08	20.20	25.47	507.37	761.33	77.35	33.40	162.05	148.26	1,766.78

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, 1998/1999

Dermatology

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	2	1	10	6	66	84	10	5	15	44	243
# of FTE's	0.96	0.77	6.09	4.87	41.55	39.01	5.22	1.64	8.34	24.40	132.85
Within the Benchmarks											
# Physicians and FTE's	2	0	0	1	35	27	1	1	4	11	82
Above the Higher Benchmark											
# Physicians	2	0	1	0	79	85	1	1	18	6	193
# of FTE's	2.07	0.00	1.21	0.00	91.44	107.22	1.04	1.06	24.82	7.42	236.28
Total Physicians											
# Physicians	6	1	11	7	180	196	12	7	37	61	518
# of FTE's	5.03	0.77	7.30	5.87	167.99	173.23	7.26	3.70	37.16	42.82	451.13

Source: NPDB, CIHI

Table 4-8: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1998/1999

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	8	2	16	41	7	5	19	31	131
# of FTE's	0.06	0.17	4.00	0.16	6.42	14.54	3.33	1.99	8.75	11.20	50.62
Within the Benchmarks											
# Physicians and FTE's	0	0	3	0	8	24	4	1	4	8	52
Above the Higher Benchmark											
# Physicians	0	0	0	3	45	60	2	0	0	0	110
# of FTE's	0.00	0.00	0.00	3.72	73.06	88.70	2.63	0.00	0.00	0.00	168.11
Total Physicians											
# Physicians	1	1	11	5	69	125	13	6	23	39	293
# of FTE's	0.06	0.17	7.00	3.88	87.48	127.24	9.96	2.99	12.75	19.20	270.73

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 4-9: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1998/1999

Anesthesia

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	23	2	56	22	177	298	94	30	104	112	918
# of FTE's	9.87	0.34	26.06	13.63	95.47	148.45	50.84	20.28	62.58	60.68	488.20
Within the Benchmarks											
# Physicians and FTE's	7	2	14	13	55	132	2	17	53	42	337
Above the Higher Benchmark											
# Physicians	14	3	26	20	289	410	0	18	49	189	1,018
# of FTE's	16.95	3.42	30.20	23.73	353.71	517.85	0.00	22.45	57.57	230.94	1,256.82
Total Physicians											
# Physicians	44	7	96	55	521	840	96	65	206	343	2,273
# of FTE's	33.82	5.76	70.26	50.36	504.18	798.30	52.84	59.73	173.15	333.62	2,082.02

Source: NPDB, CIHI

Table 4-10: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1998/1999

Surgical Specialists

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	67	10	133	77	721	1,125	155	83	257	589	3,217
# of FTE's	19.82	4.54	60.93	38.62	407.60	474.54	80.66	34.42	132.11	337.72	1,590.96
Within the Benchmarks											
# Physicians and FTE's	16	7	49	48	403	368	45	25	108	224	1,293
Above the Higher Benchmark											
# Physicians	56	12	82	74	782	1,473	78	100	209	170	3,036
# of FTE's	70.63	15.83	102.82	89.06	931.79	1,973.73	98.64	142.05	271.08	207.39	3,903.02
Total Physicians											
# Physicians	139	29	264	199	1,906	2,966	278	208	574	983	7,546
# of FTE's	106.45	27.37	212.75	175.68	1,742.39	2,816.27	224.30	201.47	511.19	769.11	6,786.98

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 4-11: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1998/1999

General Surgery

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	20	2	27	14	175	301	48	26	55	104	772
# of FTE's	3.17	1.06	10.57	3.57	90.60	115.79	20.67	12.96	26.49	57.79	342.67
Within the Benchmarks											
# Physicians and FTE's	6	1	9	7	103	100	9	5	23	54	317
Above the Higher Benchmark											
# Physicians	14	7	25	20	187	378	20	27	54	47	779
# of FTE's	18.78	9.68	31.84	23.44	224.60	510.19	25.72	35.23	67.21	54.70	1,001.39
Total Physicians											
# Physicians	40	10	61	41	465	779	77	58	132	205	1,868
# of FTE's	27.95	11.74	51.41	34.01	418.20	725.98	55.39	53.19	116.70	166.49	1,661.06

Source: NPDB, CIHI

Table 4-12: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1998/1999

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	5	9	19	17	9	0	5	24	93
# of FTE's	2.00	0.00	3.41	6.15	11.69	8.09	4.12	0.00	2.06	13.48	51.00
Within the Benchmarks											
# Physicians and FTE's	0	0	2	2	7	4	5	0	1	9	30
Above the Higher Benchmark											
# Physicians	2	0	8	2	38	9	2	6	12	2	81
# of FTE's	2.60	0.00	9.65	2.05	48.17	12.00	2.41	9.43	15.16	2.34	103.81
Total Physicians											
# Physicians	7	0	15	13	64	30	16	6	18	35	204
# of FTE's	4.60	0.00	15.06	10.20	66.86	24.09	11.53	9.43	18.22	24.82	184.81

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.

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 4-13: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1998/1999

Urology

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	1	1	12	11	48	78	14	4	11	36	216
# of FTE's	0.83	0.90	8.64	8.20	28.96	33.21	9.43	1.89	7.90	23.23	123.19
Within the Benchmarks											
# Physicians and FTE's	0	0	5	6	32	28	3	8	14	18	114
Above the Higher Benchmark											
# Physicians	6	0	4	3	51	113	2	4	8	20	211
# of FTE's	6.93	0.00	5.30	3.49	57.78	143.78	2.48	5.23	9.31	25.67	259.97
Total Physicians											
# Physicians	7	1	21	20	131	219	19	16	33	74	541
# of FTE's	7.76	0.90	18.94	17.69	118.74	204.99	14.91	15.12	31.21	66.90	497.16

Source: NPDB, CIHI

Table 4-14: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1998/1999

Orthopedic Surgery

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	9	1	12	6	92	159	15	15	51	93	453
# of FTE's	4.77	0.07	2.56	2.79	48.78	66.49	9.35	6.49	25.02	53.19	219.51
Within the Benchmarks											
# Physicians and FTE's	4	1	2	7	37	53	9	6	29	50	198
Above the Higher Benchmark											
# Physicians	5	2	15	12	147	184	11	8	17	14	415
# of FTE's	5.34	2.73	18.19	14.18	178.19	231.41	12.41	12.18	19.55	15.74	509.92
Total Physicians											
# Physicians	18	4	29	25	276	396	35	29	97	157	1,066
# of FTE's	14.11	3.80	22.75	23.97	263.97	350.90	30.76	24.67	73.57	118.93	927.43

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, 1998/1999

Plastic Surgery

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	2	0	7	3	51	50	3	7	15	31	169
# of FTE's	0.00	0.00	4.12	1.79	27.71	17.90	2.24	3.11	9.18	18.71	84.76
Within the Benchmarks											
# Physicians and FTE's	0	0	1	6	15	21	2	2	6	16	69
Above the Higher Benchmark											
# Physicians	2	0	3	5	37	79	7	7	14	12	166
# of FTE's	2.44	0.00	4.02	5.34	46.47	102.55	9.79	8.82	17.82	13.69	210.94
Total Physicians											
# Physicians	4	0	11	14	103	150	12	16	35	59	404
# of FTE's	2.44	0.00	9.14	13.13	89.18	141.45	14.03	13.93	33.00	48.40	364.70

Source: NPDB, CIHI

Table 4-16: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1998/1999

Neurosurgery

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	0	0	6	4	21	35	1	6	7	16	96
# of FTE's	0.00	0.00	0.60	1.46	8.55	9.79	0.38	0.51	3.74	10.18	35.21
Within the Benchmarks											
# Physicians and FTE's	0	0	0	2	10	10	2	0	3	7	34
Above the Higher Benchmark											
# Physicians	3	0	0	0	26	34	4	2	9	8	86
# of FTE's	4.28	0.00	0.00	0.00	33.32	44.39	4.26	3.59	10.81	9.92	110.57
Total Physicians											
# Physicians	3	0	6	6	57	79	7	8	19	31	216
# of FTE's	4.28	0.00	0.60	3.46	51.87	64.18	6.64	4.10	17.55	27.10	179.78

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 4-17: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1998/1999

Ophthalmology

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	6	3	15	8	84	153	15	9	38	92	423
# of FTE's	1.80	1.58	5.69	5.56	48.24	69.99	7.82	2.10	20.57	49.12	212.47
Within the Benchmarks											
# Physicians and FTE's	3	1	16	4	60	49	3	1	6	36	179
Above the Higher Benchmark											
# Physicians	6	1	18	15	123	224	11	19	41	49	507
# of FTE's	6.74	1.01	22.73	19.97	146.37	315.09	15.65	30.50	59.18	63.67	680.91
Total Physicians											
# Physicians	15	5	49	27	267	426	29	29	85	177	1,109
# of FTE's	11.54	3.59	44.42	29.53	254.61	434.08	26.47	33.60	85.75	148.79	1,072.38

Source: NPDB, CIHI

Table 4-18: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1998/1999

Otolaryngology

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	3	0	18	8	79	80	20	2	10	55	275
# of FTE's	0.51	0.00	9.08	3.99	48.57	35.28	10.72	0.75	3.97	33.35	146.22
Within the Benchmarks											
# Physicians and FTE's	0	2	3	8	42	29	2	0	8	16	110
Above the Higher Benchmark											
# Physicians	9	0	2	2	57	116	0	8	14	4	212
# of FTE's	11.66	0.00	2.11	2.86	65.14	150.49	0.00	12.09	18.99	4.70	268.04
Total Physicians											
# Physicians	12	2	23	18	178	225	22	10	32	75	597
# of FTE's	12.17	2.00	14.19	14.85	155.71	214.77	12.72	12.84	30.96	54.05	524.26

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.

Table 4-19: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1998/1999

Obstetrics/Gynecology

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	21	3	31	14	152	252	30	14	65	138	720
# of FTE's	6.74	0.93	16.26	5.11	94.50	118.00	15.93	6.61	33.18	78.67	375.93
Within the Benchmarks											
# Physicians and FTE's	3	2	11	6	97	74	10	3	18	18	242
Above the Higher Benchmark											
# Physicians	9	2	7	15	116	336	21	19	40	14	579
# of FTE's	11.86	2.41	8.98	17.73	131.75	463.83	25.92	24.98	53.05	16.96	757.47
Total Physicians											
# Physicians	33	7	49	35	365	662	61	36	123	170	1,541
# of FTE's	21.60	5.34	36.24	28.84	323.25	655.83	51.85	34.59	104.23	113.63	1,375.40

Source: NPDB, CIHI

Table 4-20: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1998/1999

Specialists

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	168	38	405	165	2,186	3,630	546	216	852	1,491	9,697
# of FTE's	54.09	9.29	172.68	72.70	1,165.14	1,542.42	258.52	98.04	429.17	779.93	4,581.98
Within the Benchmarks											
# Physicians and FTE's	48	15	135	83	1,223	1,365	119	77	330	564	3,959
Above the Higher Benchmark											
# Physicians	144	25	148	184	2,491	4,201	194	199	593	689	8,868
# of FTE's	191.01	32.09	181.97	240.28	3,122.86	5,881.05	258.08	286.75	787.99	864.51	11,846.59
Total Physicians											
# Physicians	360	78	688	432	5,900	9,196	859	492	1,775	2,744	22,524
# of FTE's	293.10	56.38	489.65	395.98	5,511.00	8,788.47	635.60	461.79	1,547.16	2,208.44	20,387.57

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 4-21: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1998/1999

Total Physicians

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	453	90	901	478	4,794	7,805	988	603	1,954	3,808	21,874
# of FTE's	118.42	26.22	380.42	208.47	2,385.63	3,324.26	427.72	247.11	1,012.51	1,973.72	10,104.48
Within the Benchmarks											
# Physicians and FTE's	113	24	319	172	2,362	2,998	235	181	841	1,541	8,786
Above the Higher Benchmark											
# Physicians	312	82	347	410	4,940	9,006	517	582	1,520	1,767	19,483
# of FTE's	427.39	112.00	426.58	533.73	6,096.59	12,368.36	680.40	842.37	1,990.57	2,173.79	25,651.78
Total Physicians											
# Physicians	878	196	1,567	1,060	12,096	19,809	1,740	1,366	4,315	7,116	50,143
# of FTE's	658.81	162.22	1,126.00	914.20	10,844.22	18,690.62	1,343.12	1,270.48	3,844.08	5,688.51	44,542.26

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.

Table 5-1: 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	275	68	514	338	2,705	4,335	422	409	1,174	2,243	12,483
# of FTE's	65.95	17.84	209.63	147.78	1,217.91	1,905.43	152.57	145.63	635.25	1,134.05	5,632.04
Within the Benchmarks											
# Physicians and FTE's	45	16	183	89	1,154	1,675	105	101	512	956	4,836
Above the Higher Benchmark											
# Physicians	217	54	184	206	2,554	5,247	367	396	930	1,177	11,332
# of FTE's	312.63	70.87	226.63	264.61	3,130.91	7,236.07	490.54	563.83	1,215.79	1,434.73	14,946.61
Total Physicians											
# Physicians	537	138	881	633	6,413	11,257	894	906	2,616	4,376	28,651
# of FTE's	423.58	104.71	619.26	501.39	5,502.82	10,816.50	748.11	810.46	2,363.04	3,524.78	25,414.65

Source: NPDB, CIHI

Table 5-2: 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	84	36	183	110	1,570	2,400	364	144	624	910	6,425
# of FTE's	30.28	9.39	80.56	33.76	813.97	1,019.58	165.19	69.96	311.38	454.53	2,988.60
Within the Benchmarks											
# Physicians and FTE's	25	7	71	42	879	942	102	52	258	324	2,702
Above the Higher Benchmark											
# Physicians	77	11	60	110	1,610	2,598	122	94	375	561	5,618
# of FTE's	107.96	13.54	73.86	151.07	2,099.62	3,738.68	159.91	139.74	512.45	722.68	7,719.51
Total Physicians											
# Physicians	186	54	314	262	4,059	5,940	588	290	1,257	1,795	14,745
# of FTE's	163.24	29.93	225.42	226.83	3,792.59	5,700.26	427.10	261.70	1,081.83	1,501.21	13,410.11

Source: NPDB, CIHI

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

^ Preliminary. Ontario will re-submit its 1999 data to exclude medical laboratory directors. The impact is expected to be minimal.

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, 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	50	32	596	888	153	57	218	245	2,281
# of FTE's	9.86	2.84	20.72	9.75	314.30	381.79	59.04	26.10	99.99	111.49	1,035.88
Within the Benchmarks											
# Physicians and FTE's	12	4	27	12	392	324	24	11	78	113	997
Above the Higher Benchmark											
# Physicians	38	5	15	49	630	971	44	46	138	188	2,124
# of FTE's	53.47	6.34	19.03	72.03	805.39	1,509.96	61.71	70.13	202.47	253.35	3,053.88
Total Physicians											
# Physicians	83	18	92	93	1,618	2,183	221	114	434	546	5,402
# of FTE's	75.33	13.18	66.75	93.78	1,511.69	2,215.75	144.75	107.23	380.46	477.84	5,086.76

Source: NPDB, CIHI

Table 5-4: 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	2	3	1	1	59	83	6	3	30	37	225
# of FTE's	0.98	0.37	0.52	0.36	29.45	37.63	2.56	0.34	15.12	14.60	101.93
Within the Benchmarks											
# Physicians and FTE's	2	0	1	1	35	27	4	3	17	19	109
Above the Higher Benchmark											
# Physicians	3	0	4	9	93	76	6	8	7	27	233
# of FTE's	3.44	0.00	4.60	13.65	131.61	118.21	8.13	12.41	9.58	35.02	336.65
Total Physicians											
# Physicians	7	3	6	11	187	186	16	14	54	83	567
# of FTE's	6.42	0.37	6.12	15.01	196.06	182.84	14.69	15.75	41.70	68.62	547.58

Source: NPDB, CIHI

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

^ Preliminary. Ontario will re-submit its 1999 data to exclude medical laboratory directors. The impact is expected to be minimal.

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, 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	54	31	439	669	76	18	101	302	1,708
# of FTE's	2.04	1.98	21.01	8.04	220.88	312.27	34.23	8.89	51.91	167.94	829.19
Within the Benchmarks											
# Physicians and FTE's	1	2	16	1	189	287	30	9	51	91	677
Above the Higher Benchmark											
# Physicians	15	1	10	15	311	683	26	13	125	94	1,293
# of FTE's	23.84	1.18	13.34	19.44	418.66	931.72	32.73	21.53	165.48	116.68	1,744.60
Total Physicians											
# Physicians	23	14	80	47	939	1,639	132	40	277	487	3,678
# of FTE's	26.88	5.16	50.35	28.48	828.54	1,530.99	96.96	39.42	268.39	375.62	3,250.79

Source: NPDB, CIHI

Table 5-6: 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	365	57	25	127	148	1,003
# of FTE's	10.77	1.05	7.22	3.66	104.23	94.68	23.78	11.29	53.99	64.58	375.25
Within the Benchmarks											
# Physicians and FTE's	3	0	9	7	127	122	15	12	40	45	380
Above the Higher Benchmark											
# Physicians	6	2	4	11	194	354	28	7	53	34	693
# of FTE's	8.81	2.67	4.59	14.96	258.45	510.92	37.38	9.64	69.62	41.42	958.46
Total Physicians											
# Physicians	36	7	30	35	536	841	100	44	220	227	2,076
# of FTE's	22.58	3.72	20.81	25.62	489.68	727.60	76.16	32.93	163.61	151.00	1,713.71

Source: NPDB, CIHI

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

^ Preliminary. Ontario will re-submit its 1999 data to exclude medical laboratory directors. The impact is expected to be minimal.

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, 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	74	8	4	13	43	226
# of FTE's	0.00	0.67	5.91	4.98	41.69	34.32	4.33	1.61	8.83	24.74	127.08
Within the Benchmarks											
# Physicians and FTE's	4	0	0	1	38	33	1	1	7	12	97
Above the Higher Benchmark											
# Physicians	0	0	1	0	77	71	2	1	14	8	174
# of FTE's	0.00	0.00	1.32	0.00	90.81	91.87	2.09	1.08	20.46	10.67	218.30
Total Physicians											
# Physicians	4	1	11	7	182	178	11	6	34	63	497
# of FTE's	4.00	0.67	7.23	5.98	170.50	159.19	7.42	3.69	36.29	47.41	442.38

Source: NPDB, CIHI

Table 5-8: 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	40	9	5	19	30	125
# of FTE's	0.01	0.17	1.57	0.43	4.72	17.88	3.75	1.51	8.74	10.32	49.10
Within the Benchmarks											
# Physicians and FTE's	0	0	2	1	11	22	4	2	4	9	55
Above the Higher Benchmark											
# Physicians	0	0	1	2	45	56	1	0	0	2	107
# of FTE's	0.00	0.00	1.05	2.68	72.25	82.99	1.34	0.00	0.00	2.10	162.41
Total Physicians											
# Physicians	1	1	7	7	68	118	14	7	23	41	287
# of FTE's	0.01	0.17	4.62	4.11	87.97	122.87	9.09	3.51	12.74	21.42	266.51

Source: NPDB, CIHI

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

^ Preliminary. Ontario will re-submit its 1999 data to exclude medical laboratory directors. The impact is expected to be minimal.

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 5-9: 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	281	55	32	116	105	857
# of FTE's	6.62	2.31	23.61	6.54	98.70	141.01	37.50	20.22	72.80	60.86	470.17
Within the Benchmarks											
# Physicians and FTE's	3	1	16	19	87	127	24	14	61	35	387
Above the Higher Benchmark											
# Physicians	15	3	25	24	260	387	15	19	38	208	994
# of FTE's	18.40	3.35	29.93	28.31	322.45	493.01	16.53	24.95	44.84	263.44	1,245.21
Total Physicians											
# Physicians	32	10	88	62	529	795	94	65	215	348	2,238
# of FTE's	28.02	6.66	69.54	53.85	508.15	761.02	78.03	59.17	178.64	359.30	2,102.38

Source: NPDB, CIHI

Table 5-10: 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	128	95	674	1,077	151	75	255	562	3,090
# of FTE's	19.83	8.91	55.69	41.37	383.37	459.66	70.40	34.95	134.18	311.72	1,520.08
Within the Benchmarks											
# Physicians and FTE's	10	4	52	48	369	337	52	23	120	211	1,226
Above the Higher Benchmark											
# Physicians	51	12	81	76	843	1,328	77	104	204	227	3,003
# of FTE's	66.19	15.45	103.32	92.18	1,028.88	1,778.03	98.55	146.23	270.94	277.62	3,877.39
Total Physicians											
# Physicians	121	29	261	219	1,886	2,742	280	202	579	1,000	7,319
# of FTE's	96.02	28.36	211.01	181.55	1,781.25	2,574.69	220.95	204.18	525.12	800.34	6,623.47

Source: NPDB, CIHI

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

^ Preliminary. Ontario will re-submit its 1999 data to exclude medical laboratory directors. The impact is expected to be minimal.

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, 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	296	42	25	56	94	757
# of FTE's	4.49	0.43	9.58	8.18	84.80	117.79	11.70	12.72	26.84	53.29	329.82
Within the Benchmarks											
# Physicians and FTE's	3	1	17	3	79	89	13	9	34	42	290
Above the Higher Benchmark											
# Physicians	15	8	19	20	214	349	21	24	47	70	787
# of FTE's	20.15	10.42	25.08	24.50	263.09	473.43	26.91	31.56	58.58	82.64	1,016.36
Total Physicians											
# Physicians	38	10	61	47	467	734	76	58	137	206	1,834
# of FTE's	27.64	11.85	51.66	35.68	426.89	680.22	51.61	53.28	119.42	177.93	1,636.18

Source: NPDB, CIHI

Table 5-12: 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	16	12	1	3	23	83
# of FTE's	2.71	0.00	0.72	5.94	6.63	7.34	6.57	0.22	1.92	13.24	45.29
Within the Benchmarks											
# Physicians and FTE's	1	0	2	2	8	5	5	1	3	8	35
Above the Higher Benchmark											
# Physicians	0	0	10	2	42	8	2	6	11	3	84
# of FTE's	0.00	0.00	11.67	2.15	54.03	10.66	2.46	9.25	14.51	3.58	108.31
Total Physicians											
# Physicians	6	0	15	13	61	29	19	8	17	34	202
# of FTE's	3.71	0.00	14.39	10.09	68.66	23.00	14.03	10.47	19.43	24.82	188.60

Source: NPDB, CIHI

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

^ Preliminary. Ontario will re-submit its 1999 data to exclude medical laboratory directors. The impact is expected to be minimal.

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 5-13: 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	79	16	7	16	31	215
# of FTE's	0.89	1.72	7.06	4.19	27.92	34.61	10.17	5.11	11.85	18.10	121.62
Within the Benchmarks											
# Physicians and FTE's	0	0	6	8	39	24	2	4	13	18	114
Above the Higher Benchmark											
# Physicians	6	0	4	4	49	105	2	5	6	24	205
# of FTE's	7.03	0.00	5.56	4.84	57.24	132.87	2.18	6.19	7.33	30.65	253.89
Total Physicians											
# Physicians	7	2	21	22	130	208	20	16	35	73	534
# of FTE's	7.92	1.72	18.62	17.03	124.16	191.48	14.35	15.30	32.18	66.75	489.51

Source: NPDB, CIHI

Table 5-14: 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	11	11	91	153	13	9	54	94	448
# of FTE's	5.01	0.06	2.65	6.22	51.63	59.83	8.45	3.89	27.89	53.49	219.12
Within the Benchmarks											
# Physicians and FTE's	1	1	2	8	41	48	10	2	27	40	180
Above the Higher Benchmark											
# Physicians	5	2	15	11	141	165	11	15	18	24	407
# of FTE's	5.49	2.67	18.11	13.12	178.13	209.47	12.61	19.88	20.48	26.43	506.39
Total Physicians											
# Physicians	16	5	28	30	273	366	34	26	99	158	1,035
# of FTE's	11.50	3.73	22.76	27.34	270.76	317.30	31.06	25.77	75.37	119.92	905.51

Source: NPDB, CIHI

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

^ Preliminary. Ontario will re-submit its 1999 data to exclude medical laboratory directors. The impact is expected to be minimal.

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, 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	50	3	6	12	35	167
# of FTE's	0.15	0.00	4.08	2.19	29.21	22.95	2.09	3.27	7.06	20.67	91.67
Within the Benchmarks											
# Physicians and FTE's	0	0	2	7	16	20	3	2	8	20	78
Above the Higher Benchmark											
# Physicians	1	0	3	3	36	64	6	7	14	7	141
# of FTE's	1.43	0.00	4.18	3.18	45.56	81.92	9.01	9.21	17.34	8.79	180.62
Total Physicians											
# Physicians	2	0	12	15	100	134	12	15	34	62	386
# of FTE's	1.58	0.00	10.26	12.37	90.77	124.87	14.10	14.48	32.40	49.46	350.29

Source: NPDB, CIHI

Table 5-16: 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	29	4	4	6	13	90
# of FTE's	0.00	0.00	0.13	0.59	16.21	8.53	2.74	0.32	3.36	8.79	40.67
Within the Benchmarks											
# Physicians and FTE's	1	0	0	2	10	9	2	0	3	6	33
Above the Higher Benchmark											
# Physicians	2	0	0	1	18	31	1	2	9	11	75
# of FTE's	3.34	0.00	0.00	1.05	21.84	42.00	1.01	3.61	12.04	13.58	98.47
Total Physicians											
# Physicians	3	0	4	6	55	69	7	6	18	30	198
# of FTE's	4.34	0.00	0.13	3.64	48.05	59.53	5.75	3.93	18.40	28.37	172.14

Source: NPDB, CIHI

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

^ Preliminary. Ontario will re-submit its 1999 data to exclude medical laboratory directors. The impact is expected to be minimal.

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, 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	20	11	75	133	16	6	34	85	389
# of FTE's	2.84	2.61	9.64	5.20	43.14	62.64	7.39	2.43	18.97	42.59	197.45
Within the Benchmarks											
# Physicians and FTE's	2	1	13	3	58	45	2	0	11	37	172
Above the Higher Benchmark											
# Physicians	5	0	18	15	134	191	12	19	38	58	490
# of FTE's	5.81	0.00	24.11	20.12	163.86	265.47	16.54	30.56	57.04	76.62	660.13
Total Physicians											
# Physicians	13	4	51	29	267	369	30	25	83	180	1,051
# of FTE's	10.65	3.61	46.75	28.32	265.00	373.11	25.93	32.99	87.01	156.21	1,029.58

Source: NPDB, CIHI

Table 5-18: 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	70	19	2	8	52	248
# of FTE's	0.09	1.72	7.16	1.25	45.23	30.50	9.96	0.75	4.18	29.07	129.91
Within the Benchmarks											
# Physicians and FTE's	0	0	2	7	40	24	3	0	6	16	98
Above the Higher Benchmark											
# Physicians	7	0	2	5	62	109	0	8	17	11	221
# of FTE's	9.57	0.00	2.02	6.13	73.65	141.88	0.00	11.98	22.84	12.55	280.62
Total Physicians											
# Physicians	10	2	21	16	173	203	22	10	31	79	567
# of FTE's	9.66	1.72	11.18	14.38	158.88	196.38	12.96	12.73	33.02	57.62	508.53

Source: NPDB, CIHI

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

^ Preliminary. Ontario will re-submit its 1999 data to exclude medical laboratory directors. The impact is expected to be minimal.

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, 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	30	18	135	251	26	15	66	135	693
# of FTE's	3.65	2.37	14.67	7.61	78.60	115.47	11.33	6.24	32.11	72.48	344.53
Within the Benchmarks											
# Physicians and FTE's	2	1	8	8	78	73	12	5	15	24	226
Above the Higher Benchmark											
# Physicians	10	2	10	15	147	306	22	18	44	19	593
# of FTE's	13.37	2.36	12.59	17.09	171.48	420.33	27.83	23.99	60.78	22.78	772.60
Total Physicians											
# Physicians	26	6	48	41	360	630	60	38	125	178	1,512
# of FTE's	19.02	5.73	35.26	32.70	328.08	608.80	51.16	35.23	107.89	119.26	1,343.13

Source: NPDB, CIHI

Table 5-20: 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	144	49	311	205	2,244	3,477	515	219	879	1,472	9,515
# of FTE's	50.11	18.30	136.25	75.13	1,197.34	1,479.24	235.59	104.91	445.56	766.25	4,508.68
Within the Benchmarks											
# Physicians and FTE's	35	11	123	90	1,248	1,279	154	75	378	535	3,928
Above the Higher Benchmark											
# Physicians	128	23	141	186	2,453	3,926	199	198	579	788	8,621
# of FTE's	174.15	28.99	177.18	243.25	3,128.50	5,516.71	258.46	285.97	783.39	1,000.30	11,596.90
Total Physicians											
# Physicians	307	83	575	481	5,945	8,682	868	492	1,836	2,795	22,064
# of FTE's	259.26	58.29	436.43	408.38	5,573.84	8,274.95	648.05	465.88	1,606.95	2,301.55	20,033.58

Source: NPDB, CIHI

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

^ Preliminary. Ontario will re-submit its 1999 data to exclude medical laboratory directors. The impact is expected to be minimal.

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, 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	419	117	825	543	4,949	7,812	937	628	2,053	3,715	21,998
# of FTE's	116.06	36.14	345.88	222.91	2,415.25	3,384.67	388.16	250.54	1,080.81	1,900.30	10,140.72
Within the Benchmarks											
# Physicians and FTE's	80	27	306	179	2,402	2,954	259	176	890	1,491	8,764
Above the Higher Benchmark											
# Physicians	345	77	325	392	5,007	9,173	566	594	1,509	1,965	19,953
# of FTE's	486.78	99.86	403.81	507.86	6,259.41	12,752.78	749.00	849.80	1,999.18	2,435.03	26,543.51
Total Physicians											
# Physicians	844	221	1,456	1,114	12,358	19,939	1,762	1,398	4,452	7,171	50,715
# of FTE's	682.84	163.00	1,055.69	909.77	11,076.66	19,091.45	1,396.16	1,276.34	3,969.99	5,826.33	45,448.23

Source: NPDB, CIHI

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

^ Preliminary. Ontario will re-submit its 1999 data to exclude medical laboratory directors. The impact is expected to be minimal.

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 A-1. Statistics Canada Net Population Estimates for Canada, by Provinces, 1998 and 1999

Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
1998 (PR)	543.0	137.0	927.5	749.0	7,316.6	11,394.3	1,134.7	1,024.6	2,914.0	3,992.7	30,133.4
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

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

Note: 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

NPDB Provincial Authorization Officers

Provincial Authorization Officers

NEWFOUNDLAND

Dr. Ed Hunt
Medical Consultant
Medical Services Division
Department of Health & Community
Services
300 Prince Phillip Drive
3rd Floor, West Block Federation
Building
P. O. Box 8700
St. John's, NF A1B 4J6
Phone: (709) 729-3157
Fax: (709) 729-5238
Email: Ehunt@mail.gov.nf.ca

PRINCE EDWARD ISLAND

Mrs. Johanne Irwin
Physician Services Manager
PEI Health & Social Services
16 Garfield St.
P.O. Box 2000
Charlottetown, Prince Edward Island
C1A 7N8
Phone: (902) 368-6736
Fax: (902) 368-6136

NOVA SCOTIA

Mr. Derek C. Dinham
Executive Director, Insured Programs
Branch
Department of Health
P.O. Box 488
Joseph Howe Building
1690 Hollis Street, 12th Floor
Halifax, Nova Scotia
B3J 2R8
Phone: (902) 424-6880
Fax: (902) 424-0605

NEW BRUNSWICK

Ms. Fay Mackie
Director of Medicare
Medicare/Prescription Drug Program
Dept. of Health & Community Services
P.O. Box 5100
Carleton Place
Fredericton, New Brunswick
E3B 5G8
Phone: (506) 453-2415
Fax: (506) 453-2726
Email: FAYMA@gov.nb.ca

QUÉBEC

M. Jacques Barry
Chef
Service des statistiques
Régie du l'assurance-maladie du
Québec
1125 Chemin St.-Louis
Sillery, Québec
G1S 1E7
Phone: (418) 682-5163
Fax: (418) 643-7381

ONTARIO

Ms. Susan Fitzpatrick
Manager
Information and Project Management
Provider Services Branch
Ministry of Health
2nd Floor, MacDonald Cartier Building
49 Place d'Armes, P.O. Box 48
Kingston, Ontario
K7L 5J3
Phone: (613) 548-6524
Fax: (613) 548-6309

MANITOBA

Ms. Deborah Malazdrewicz
Manager
Senior Manager
Decision Support Services
Manitoba Health
221 - 599 Empress Street
Winnipeg, Manitoba
R3G 3H2
Phone: (204) 786-7169
Fax: (204) 772-7213

SASKATCHEWAN

Ms. Carmelle Mondor
Research Officer
Medical Services and Health
Registration Branch
Department of Health
3475 Albert Street
Regina, Saskatchewan
S4S 6X6
Phone: (306) 787-3450
Fax: (306) 787-3761
Email: cmondor@health.gov.sk.ca

ALBERTA

Linda Mattern,
Director Health Workforce Planning
Alberta Health and Wellness
P.O. Box 1360 Station Main
22nd Floor, 10025 Jasper Avenue
Edmonton, Alberta
T5J 2N3
Phone (780) 422-2720
Fax (780) 422-2880

BRITISH COLUMBIA

Ms. Deb McGinnis
A/Senior Manager
Health Information Access Centre
(HIAC)
Ministry of Health Planning & Ministry
of Health Services
7-1, 1515 Blanshard Street
Victoria, BC V8W 3C8
Phone: (250) 952-0969
Fax: (250) 952-0979

YUKON

Mr. Joe MacGillivray
Director
Insured Health Services
Yukon Government
P.O. Box 2703
2071 2nd Avenue
Whitehorse, Yukon
Y1A 2C6
Phone: (867) 667-5202
Fax: (867) 393-6486
Email: Joe.MacGillivray@gov.yk.ca

NORTHWEST TERRITORIES

Mr. Warren St. Germaine
Director
Financial & Management Services
Department of Health and Social
Services
Government of the Northwest
Territories
P.O. Box 1320
7th Floor, Center Square Tower
Yellowknife, Northwest Territories,
X1A 2L9
Phone: (867) 920-8931
Fax: (867) 920-4969

Appendix C

NPDB Specialty Categories

NPDB Physician Specialty Groupings

- 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 are relatively small. The previous version of this publication reported the figures as a separate specialty within the Medical Specialists broad specialty grouping.

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

- In 1992/93 (the last year that private laboratory pathologists were allowed to bill fee-for-service), the total provincial expenditure on laboratory services was 70 million dollars of which approximately 19 million was included in the NPDB file submissions (17 million for private laboratory pathologists and 2.57 million for laboratory tests in physicians offices billed fee-for-service).
- In 1990/91, only 37 percent of the top 20 radiology services ranked by cost were billed fee-for-service and included in the NPDB file submissions. The remaining 63 percent of radiology services were provided in-hospital or 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, 1998/1999

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Family Medicine	1,485	1,294	1,458	1,445	1,372	1,151	1,604	1,267	1,269	1,147	1,248
Medical Specialties	2,909	4,723	3,350	3,400	1,941	1,908	2,759	3,936	2,813	2,774	2,216
Internal Medicine	7,158	9,723	8,237	8,459	4,987	4,948	7,687	9,564	8,068	8,561	5,859
Neurology	82,774	380,556	97,838	49,374	37,554	58,840	71,275	71,700	75,297	61,388	54,392
Psychiatry	14,656	28,661	18,528	24,153	8,714	7,052	11,306	26,218	11,610	10,968	9,042
Pediatrics	19,208	44,481	45,916	29,407	14,421	14,966	14,670	30,677	17,982	26,930	17,056
Dermatology	107,952	177,922	127,055	127,598	43,554	65,776	156,295	276,919	78,418	93,244	66,795
Physical Medicine	9,050,000	805,882	132,500	193,041	83,637	89,550	113,926	342,676	228,549	207,953	111,304
Anesthesia	16,056	23,785	13,201	14,873	14,512	14,273	21,474	17,154	16,829	11,968	14,473
Surgical Specialties	5,101	5,005	4,360	4,263	4,199	4,046	5,059	5,086	5,700	5,191	4,440
General Surgery	19,428	11,670	18,041	22,023	17,495	15,695	20,486	19,263	24,970	23,982	18,141
Thoracic/Cardiovascular Surgery	118,043	n/a	61,587	73,431	109,432	472,989	98,413	108,653	159,934	160,866	163,051
Urology	69,974	152,222	48,970	42,340	61,619	55,585	76,103	67,765	93,368	59,682	60,611
Orthopedic Surgery	38,483	36,053	40,769	31,247	27,718	32,472	36,889	41,532	39,609	33,572	32,491
Plastic Surgery	222,541	n/a	101,477	57,045	82,043	80,554	80,877	73,553	88,303	82,494	82,625
Neurosurgery	126,869	n/a	1,545,833	216,474	141,056	177,537	170,889	249,902	166,040	147,332	167,613
Ophthalmology	47,054	38,162	20,880	25,364	28,736	26,249	42,867	30,494	33,983	26,834	28,100
Otolaryngology	44,618	68,500	65,363	50,438	46,989	53,053	89,206	79,798	94,121	73,870	57,478
Obstetrics/Gynecology	25,139	25,655	25,593	25,971	22,634	17,374	21,884	29,621	27,957	35,138	21,909
Total Specialties	1,853	2,430	1,894	1,892	1,328	1,297	1,785	2,219	1,883	1,808	1,478
Total Physicians	824	845	824	819	675	610	845	806	758	702	677

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

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, 1999/2000

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont. ^	Man.	Sask.	Alta.	B.C.	Canada*
Family Medicine	1,275	1,323	1,506	1,497	1,333	1,066	1,525	1,264	1,254	1,142	1,196
Medical Specialties	3,308	4,627	4,137	3,310	1,935	2,024	2,671	3,915	2,739	2,681	2,266
Internal Medicine	7,168	10,508	13,970	8,005	4,854	5,206	7,880	9,555	7,787	8,424	5,974
Neurology	84,112	374,324	152,369	50,013	37,427	63,086	77,645	65,054	71,048	58,659	55,494
Psychiatry	20,089	26,841	18,520	26,359	8,856	7,534	11,764	25,992	11,039	10,716	9,348
Pediatrics	23,915	37,231	44,810	29,301	14,985	15,853	14,976	31,114	18,108	26,657	17,732
Dermatology	135,000	206,716	128,976	125,535	43,038	72,459	153,720	277,669	81,640	84,902	68,691
Physical Medicine	54,000,000	814,706	201,840	182,652	83,414	93,877	125,479	291,909	232,551	187,918	114,020
Anesthesia	19,272	20,796	13,410	13,941	14,440	15,157	14,617	17,316	16,585	11,203	14,454
Surgical Specialties	5,624	4,884	4,419	4,135	4,120	4,480	5,162	5,018	5,642	5,029	4,588
General Surgery	19,537	11,688	18,051	21,040	17,189	16,957	22,100	19,230	24,809	22,622	18,572
Thoracic/Cardiovascular Surgery	145,553	n/a	64,802	74,400	106,873	501,509	81,297	97,861	152,481	162,176	161,121
Urology	68,182	80,523	50,081	44,081	59,100	60,240	79,484	66,967	92,067	60,303	62,077
Orthopedic Surgery	46,957	37,131	40,971	27,458	27,101	36,353	36,722	39,759	39,309	33,566	33,558
Plastic Surgery	341,772	n/a	90,887	60,687	80,841	92,374	80,894	70,760	91,441	81,383	86,749
Neurosurgery	124,424	n/a	7,173,077	206,236	152,714	193,763	198,365	260,712	161,016	141,882	176,527
Ophthalmology	50,704	38,366	19,947	26,508	27,690	30,915	43,988	31,058	34,050	25,768	29,514
Otolaryngology	55,901	80,523	83,408	52,204	46,185	58,737	88,009	80,487	89,724	69,858	59,755
Obstetrics/Gynecology	28,391	24,171	26,446	22,957	22,366	18,947	22,295	29,083	27,460	33,751	22,624
Total Specialties	2,083	2,376	2,137	1,838	1,316	1,394	1,760	2,199	1,844	1,749	1,517
Total Physicians	791	850	883	825	662	604	817	803	746	691	669

Source: NPDB, CIHI

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

^ Preliminary. Ontario will re-submit its 1999 data to exclude medical laboratory directors. The impact is expected to be minimal.

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, 1998/1999

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Family Medicine	67	77	69	69	73	87	62	79	79	87	80
Medical Specialties	34	21	30	29	52	52	36	25	36	36	45
Internal Medicine	14	10	12	12	20	20	13	10	12	12	17
Neurology	1	0	1	2	3	2	1	1	1	2	2
Psychiatry	7	3	5	4	11	14	9	4	9	9	11
Pediatrics	5	2	2	3	7	7	7	3	6	4	6
Dermatology	1	1	1	1	2	2	1	0	1	1	1
Physical Medicine	0	0	1	1	1	1	1	0	0	0	1
Anesthesia	6	4	8	7	7	7	5	6	6	8	7
Surgical Specialties	20	20	23	23	24	25	20	20	18	19	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	3	3	2	3	4	3	3	2	3	3	3
Plastic Surgery	0	n/a	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	3	4	2	3	3	4	4
Otolaryngology	2	1	2	2	2	2	1	1	1	1	2
Obstetrics/Gynecology	4	4	4	4	4	6	5	3	4	3	5
Total Specialties	54	41	53	53	75	77	56	45	53	55	68
Total Physicians	121	118	121	122	148	164	118	124	132	142	148

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

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, 1999/2000

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.^	Man.	Sask.	Alta.	B.C.	Canada*
Family Medicine	78	76	66	67	75	94	66	79	80	88	84
Medical Specialties	30	22	24	30	52	49	37	26	37	37	44
Internal Medicine	14	10	7	12	21	19	13	10	13	12	17
Neurology	1	0	1	2	3	2	1	2	1	2	2
Psychiatry	5	4	5	4	11	13	9	4	9	9	11
Pediatrics	4	3	2	3	7	6	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	7	7	7	7	7	6	6	9	7
Surgical Specialties	18	20	23	24	24	22	19	20	18	20	22
General Surgery	5	9	6	5	6	6	5	5	4	4	5
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	n/a	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	3	2	3	3	4	3
Otolaryngology	2	1	1	2	2	2	1	1	1	1	2
Obstetrics/Gynecology	4	4	4	4	4	5	4	3	4	3	4
Total Specialties	48	42	47	54	76	72	57	45	54	57	66
Total Physicians	126	118	113	121	151	166	122	125	134	145	150

Source: NPDB, CIHI

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

^ Preliminary. Ontario will re-submit its 1999 data to exclude medical laboratory directors. The impact is expected to be minimal.

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.