

NATIONAL PHYSICIAN DATABASE



FULL-TIME EQUIVALENT
PHYSICIANS REPORT
CANADA, 1996/97 TO 1998/99



Canadian Institute
for Health Information

**Full-Time Equivalent Physicians Report
Canada, 1996/97 to 1998/99**

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: 1-896104-49-5

© 2001 Canadian Institute for Health Information

**Full-Time Equivalent Physicians Report
Canada, 1996/97 to 1998/99**

Table of Contents

Foreword	1
Preface	1
Introduction	3
Methodological Notes.....	4
Background.....	4
Data Sources and Collection.....	8
Data Quality.....	12
Data Definitions.....	13
Computations.....	13
Data Limitations	15
Privacy and Confidentiality	16
Products and Services	17
Data Highlights	18
Full-Time Equivalent Fee-for-Service Physicians	18
Gender and Year.....	21
Age Group and Year.....	22
Place of MD Graduation	23
Population per FTE Physician	24
Population per FTE Physician by Specialty Group.....	25
FTE Physicians per 100,000 Population	27

Full-Time Equivalent Physicians Report Canada, 1996/97 to 1998/99

Data Tables

Table 1-1: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, by Year and Type of Practice	31
---	----

Table 1-2: Percent Change in Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, by Year and Type of Practice	32
---	----

Full-Time Equivalent Fee-for-Service Physicians by Specialty, Canada and the Provinces

Table 2-1: 1996/97	33
--------------------------	----

Table 2-2: 1997/98	34
--------------------------	----

Table 2-3: 1998/99	35
--------------------------	----

Table 3-1: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, by Year and Gender	36
---	----

Table 3-2: Fee-for-Service Physician Counts, Canada and the Provinces, by Year and Gender	37
--	----

Table 3-3: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, by Year and Age Group	38
--	----

Table 3-4: Fee-for-Service Physician Counts, Canada and the Provinces, by Year and Age Group	39
---	----

Table 3-5: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, by Year and Place of MD Graduation	40
---	----

Table 3-6: Fee-for-Service Physician Counts, Canada and the Provinces, by Year and Place of MD Graduation	41
--	----

Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1996/97

Table 4-1: Family Medicine	42
----------------------------------	----

Table 4-2: Medical Specialists	43
--------------------------------------	----

Table 4-3: Internal Medicine	44
------------------------------------	----

Table 4-4: Neurology and EEG	45
------------------------------------	----

Table 4-5: Psychiatry and Neuropsychiatry	46
---	----

Table 4-6: Pediatrics	47
-----------------------------	----

Table 4-7: Dermatology	48
------------------------------	----

Table 4-8: Physical Medicine/Rehabilitation	49
---	----

**Full-Time Equivalent Physicians Report
Canada, 1996/97 to 1998/99**

Data Tables (cont'd)

Table 4-9: Anesthesia	50
Table 4-10: Surgical Specialists	51
Table 4-11: General Surgery	52
Table 4-12: Thoracic/Cardiovascular Surgery	53
Table 4-13: Urology	54
Table 4-14: Orthopedic Surgery	55
Table 4-15: Plastic Surgery	56
Table 4-16: Neurosurgery	57
Table 4-17: Ophthalmology	58
Table 4-18: Otolaryngology	58
Table 4-19: Obstetrics/Gynecology	60
Table 4-20: Specialists	61
Table 4-21: Total Physicians	62

Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1997/98

Table 5-1: Family Medicine	63
Table 5-2: Medical Specialists	64
Table 5-3: Internal Medicine	65
Table 5-4: Neurology and EEG	66
Table 5-5: Psychiatry and Neuropsychiatry	67
Table 5-6: Pediatrics	68
Table 5-7: Dermatology	69
Table 5-8: Physical Medicine/Rehabilitation	70
Table 5-9: Anesthesia	71
Table 5-10: Surgical Specialists	72
Table 5-11: General Surgery	73
Table 5-12: Thoracic/Cardiovascular Surgery	74
Table 5-13: Urology	75
Table 5-14: Orthopedic Surgery	76
Table 5-15: Plastic Surgery	77
Table 5-16: Neurosurgery	78
Table 5-17: Ophthalmology	79

**Full-Time Equivalent Physicians Report
Canada, 1996/97 to 1998/99**

Data Tables (cont'd)

Table 5-18: Otolaryngology	80
Table 5-19: Obstetrics/Gynecology	81
Table 5-20: Specialists	82
Table 5-21: Total Physicians	83

Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1998/99

Table 6-1: Family Practice	84
Table 6-2: Medical Specialists	85
Table 6-3: Internal Medicine	86
Table 6-4: Neurology and EEG	87
Table 6-5: Psychiatry and Neuropsychiatry	88
Table 6-6: Pediatrics	89
Table 6-7: Dermatology	90
Table 6-8: Physical Medicine/Rehabilitation	91
Table 6-9: Anesthesia	92
Table 6-10: Surgical Specialists	93
Table 6-11: General Surgery	94
Table 6-12: Thoracic/Cardiovascular Surgery	95
Table 6-13: Urology	96
Table 6-14: Orthopedic Surgery	97
Table 6-15: Plastic Surgery	98
Table 6-16: Neurosurgery	99
Table 6-17: Ophthalmology	100
Table 6-18: Otolaryngology	101
Table 6-19: Obstetrics/Gynecology	102
Table 6-20: Specialists	103
Table 6-21: Total Physicians	104

**Full-Time Equivalent Physicians Report
Canada, 1996/97 to 1998/99**

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
Appendix G—Revisions to the NPDB Full-Time Equivalent Benchmarks.....	G-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, 1996/97 to 1998/99* 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 Databases in the development and publication of this report.

Preface

The *"Full-Time Equivalent Physicians Report, Canada, 1996/97 to 1998/99"* is the third 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"* and *"Full-Time Equivalent Physicians Report, Canada, 1993/94 to 1995/96"* produced in 1997 and 1999 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. Phase 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. In previously published reports, the 1985/86 physician utilization data was used 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 on Physician Databases in 2000/01.

“A new set of benchmarks and FTE counts should be simulated with 1993–94 or 1994–95 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 the change to the base year and is available from the Consultant, NPDB, CIHI.

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.

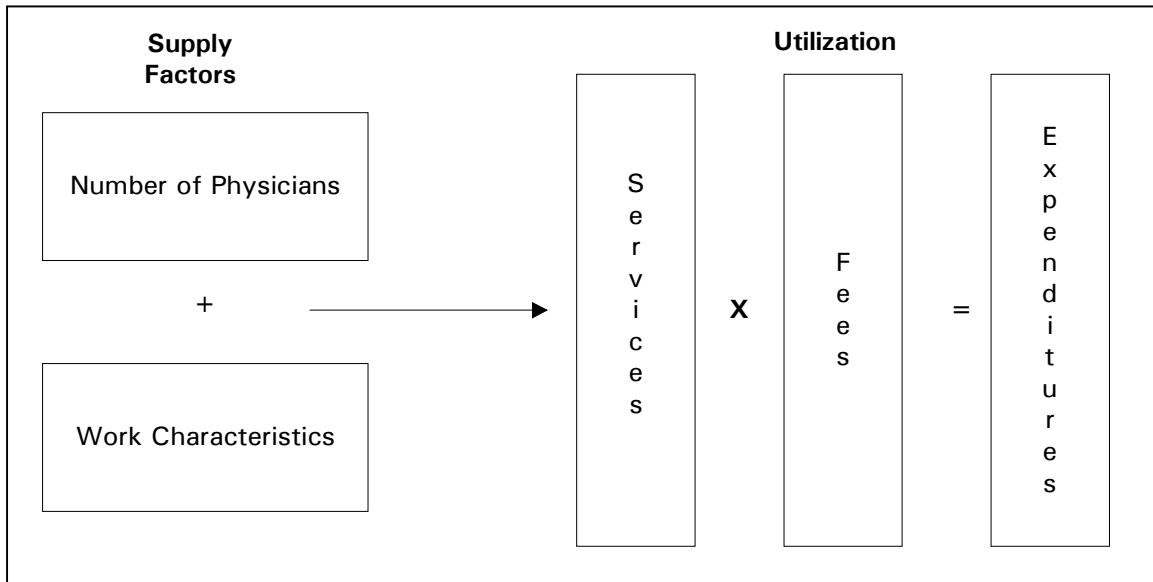


Figure 1. Relationship between income and FTE values

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.

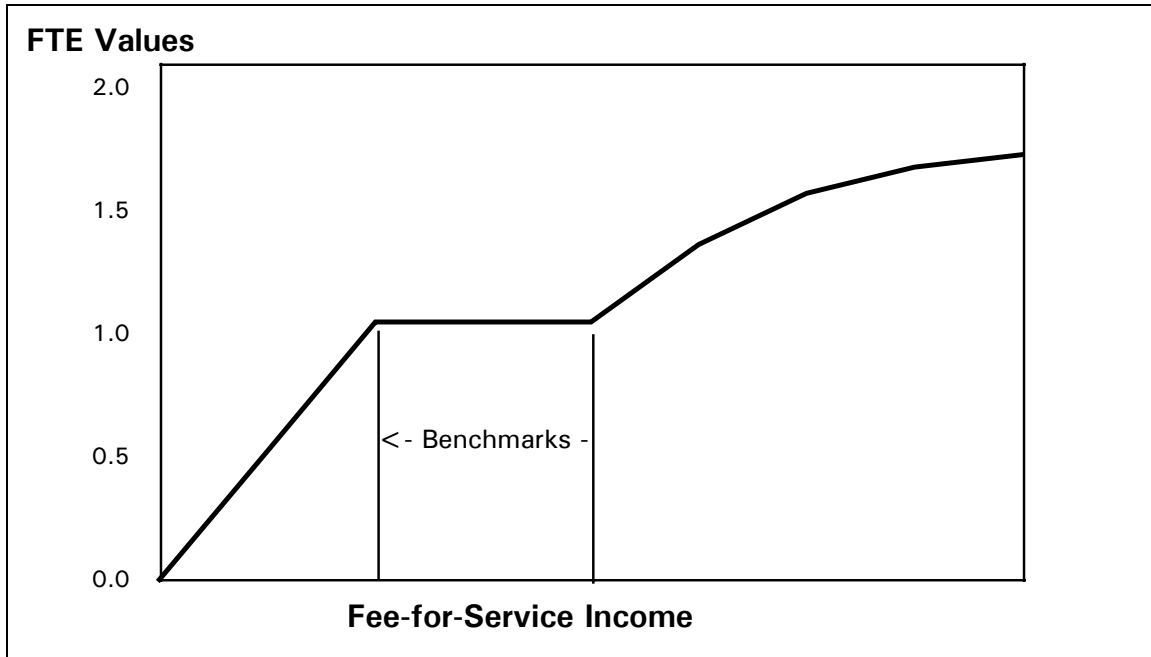


Figure 2. Relationship between income and FTE values.

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.

The current report uses 1995/96 physician utilization data to establish the base year as required when implementing the FTE methodology. In previously published reports, the 1985/86 physician utilization data was used to establish the base year. The benchmarks and the FTE counts can vary depending on the base year used. For a complete analysis of how the base year change affects the benchmarks and FTE counts please refer to Appendix G.

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 Prince Edward Island, New Brunswick, Manitoba, Saskatchewan and British Columbia and on a date of service basis for Newfoundland, Nova Scotia, Quebec, Ontario and Alberta. 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.

It should be noted that for its 1998/99 data submission, British Columbia moved to submitting data based on the Date of Service rather than Date of Payment as in previous years. For the purposes of the Data Analysis section of this publication this may impact on inter-year comparisons for British Columbia as well as at the national level.

Table 1. NPDB File Submission: Date of Service vs. Date of Payment

Prov	1996/97		1997/98		1998/99	
	DOS	DOP	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 Ontario payment data include only Social Contract adjustments, all other adjustments are not included. In Saskatchewan payment data exclude lump sum payments made in lieu of retroactive amendments to the Payment Schedule. These payments totalled \$1.4 million in 1995/96, \$4.6 million in 1997/98 and \$3.6 million in 1998/99. There were no such payments made in 1996/97. British Columbia payments for 1996/97 exclude Northern and Isolation Allowances and proration. These payments totalled \$7.5 million and \$1.8 million respectively. They do however include fee-for-service payments made by the Insurance Corporation of British Columbia (ICBC) and the Workmen's Compensation Board (WCB). These amounted to \$9.4 million and \$4.9 million respectively. For 1997/98, British Columbia payments include Northern and Isolation Allowances (\$8.6 million) and proration (\$39.7 million) but exclude payments made by the ICBC (\$9.4 million), the WCB (\$4.9 million) as well as midwife referral claims. For 1998/99, British Columbia payments include proration (\$28.5 million) and payments made by the ICBC (\$9.1 million), the WCB (\$26.4 million) as well as midwife referral claims (\$200,000) but exclude Northern and Isolation Allowances (\$8.3 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 ²
Nfld.	96/97	854	77	23	N/A	N/A
	97/98	907	72	28	"	"
	98/99	929	71	29	"	"
P.E.I.	96/97	191	92	2	N/A	6
	97/98	194	76	2	N/A	22
	98/99	197	55	4	1	40
N.S. ³	96/97	1,798	67.6	3.7	N/A	27.1
	97/98	1,797	59.5	2.6	"	33.9
	98/99	1,795	63.1	2.9	"	29.5
N.B.	96/97	1,253	36.6	3.6	0.7	59.0
	97/98	1,263	60.2	3.3	0.6	35.9
	98/99	1,328	58.3	3.2	1.0	37.4
Que. ⁴	96/97	14,700	88	4	9	
	97/98	14,291	88	3	9	
	98/99	14,112	88	3	9	
Ont. ⁵	96/97	20,214	94	N/A	N/A	6
	97/98	20,694	94	"	"	6
	98/99	20,734	93	"	"	7
Man.	96/97	2,017	47	10 Salary/Sessional		43
	97/98	2,110	41	15 Salary/Sessional		44
	98/99	2,100	40	16 Salary/Sessional		45
Sask.	96/97	1,424	83.7	N/A	N/A	16.3
	97/98	1,439	81.2	"	"	18.8
	98/99	1,490	81.3	"	"	18.7
Alta. ⁶	96/97	4,228	98	N/A	1	1
	97/98	4,268	98	"	1	1
	98/99	4,442	98	"	1	1
B.C.	96/97	7,477	78.2	1.2	1.6	19.0
	97/98	7,607	78.4	0.9	1.5	19.2
	98/99	7,670	78.9	0.7	1.5	18.9

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 1996/97 Nova Scotia counts include 28 physicians receiving radiology/internal medicine/pathology payments only. For 1997/98 Nova Scotia counts include 29 physicians receiving radiology/internal medicine/pathology payments only and 43 physicians receiving psychiatric payments only. For 1998/99 Nova Scotia counts include 35 physicians receiving radiology/internal medicine/pathology payments only and 47 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. For previous Full-Time Equivalent Physicians Reports produced by CIHI the base year was 1985/86.
 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 PSC 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.

In 1997/98, Newfoundland changed how it paid uncertified specialists. In 1996/97 they were coded as uncertified specialists and grouped with Family Medicine for the purposes of the NPDB. Starting in October 1997, uncertified specialists were allowed to bill as specialists and were thus coded as specialists. For the purposes of the NPDB, physician specialties are based on the specialty under which a physician has received the most payments. For some physicians in 1997/98, the highest payments may have occurred prior to the October change and coded as an uncertified specialty in which case the NPDB would consider them as Family Medicine. For other physicians the highest payments may have occurred following October in which case they would have been considered specialists. For 1998/99, the assigned specialties for Newfoundland uncertified specialists are based on the specialty under which a physician has received the most payments which is more likely to be as specialists.

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

Payments to radiologists, pathologists and laboratory directors are excluded. 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;
- 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;
- Physician Services Benefit Rates, Canada, 1998/99;
- 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 Highlights

The data highlights section is based on aggregate data for Canada and specific areas of note. Please refer to the data tables section for detailed information on Full-Time Equivalent physician statistics. Data in section 1 of the data tables are grouped by type of practice, province and year. Section 2 contains tables by specialty, province and year. Section 3 includes data on age, sex, country of graduation and years since graduation. Data in sections 4 through 8 are grouped by specialty and whether the physicians fall below, between or above the benchmarks. Appendixes D and E contain population per full-time equivalent fee-for-service physician and number of full-time equivalent fee-for-service physicians per 100,000 population.

Full-Time Equivalent Fee-for-Service Physicians

The trend in the total number of full-time equivalent (FTE) fee-for service physicians versus the total number of fee-for-service physicians is shown in Figure 3. The number of FTE's rose by 1.5% between 1996/97 and 1997/98 and then declined by 0.15% between 1997/98 and 1998/99. This resulted in an overall increase of 1.3% between 1996/97 and 1998/99. Conversely, the total number of fee-for-service physicians decreased by 0.9% between 1996/97 and 1997/98 and rose again by 0.3% between 1997/98 and 1998/99.

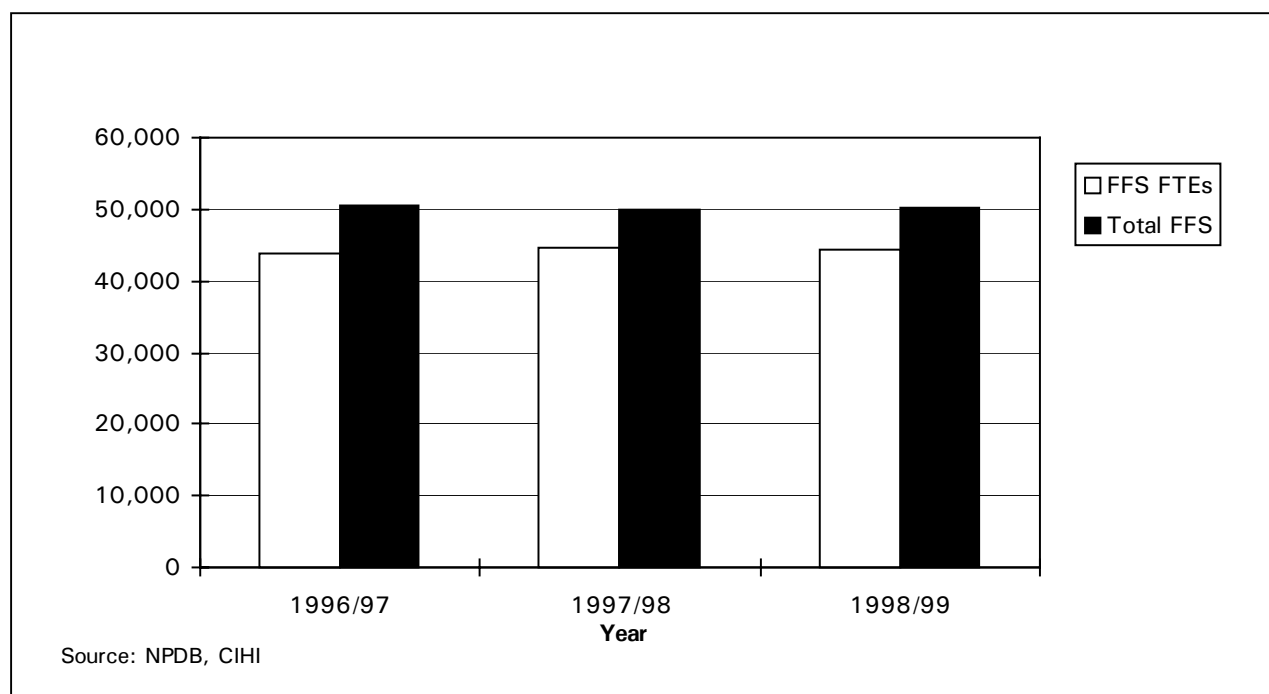


Figure 3. Full-time Equivalent Fee-for-Service Physicians and Total Fee-for-Service Physicians, Canada, 1996/97 to 1998/99

Figure 4 shows the number of FTE's by type of practice. Both Family Medicine and Surgical Specialist FTE's increased between 1996/97 and 1997/98 (0.8% and 1.2%, respectively) and then decreased between 1997/98 and 1998/99 (0.5% and 0.2%, respectively). The number of Medical Specialists increased by 2.8% between 1996/97 and 1997/98 and 0.6% between 1997/98 and 1998/99. Figure 5 shows the trends in the percent change in FTE's by specialty group. Please see Table 1-1 for further information.

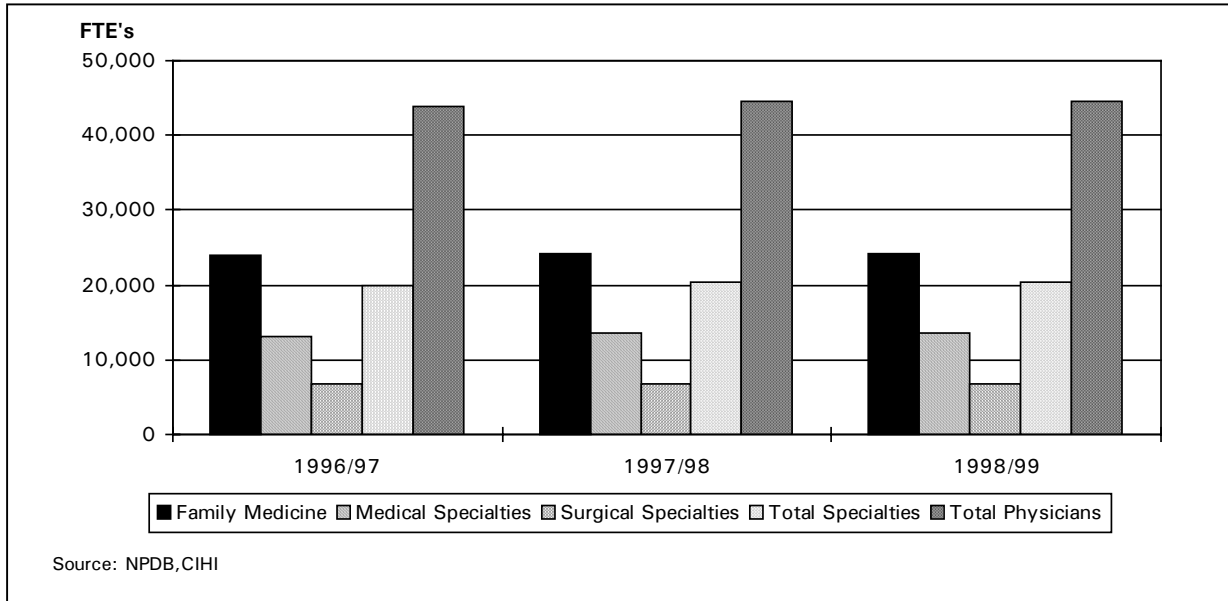


Figure 4. Full-time Equivalent Fee-for-Service Physicians by Type of Practice, Canada, 1996/97 to 1998/99

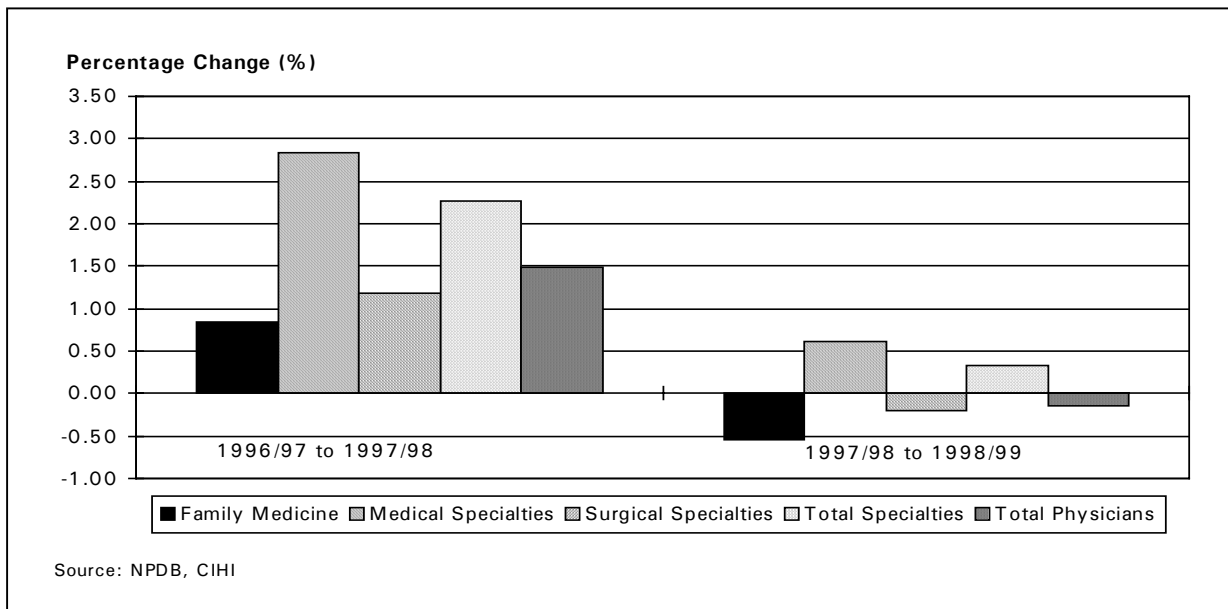


Figure 5. Percent Change in Full-time Equivalent Fee-for-Service Physicians by Type of Practice, Canada, 1996/97 to 1997/98 and 1997/98 to 1998/99

The provincial distribution of FTE physicians by year is shown in Figure 6. Six out of ten provinces incurred an increase between 1996/97 and 1997/98 with Newfoundland and British Columbia leading at 6.4% and 4.2%, respectively, and Quebec showing the lowest increase at 0.13%. Nova Scotia (-5.0%), Saskatchewan (-3.7%), Prince Edward Island (-2.5%) and Manitoba (-1.5%) experienced decreases in the numbers of FTEs. Between 1997/98 and 1998/99, the situation was somewhat contrary to what had occurred in the previous period.

Many of the provinces that had an increase in the FTE counts between 1996/97 and 1997/98 experienced decreases between 1997/98 and 1998/99. Those provinces that had a decrease in their FTE counts experienced an increase. Alberta and Prince Edward Island lead the increases at 4.8% and 3.4%, respectively and Manitoba and Quebec showed the lowest increases at 0.08% and 0.07% respectively. FTE figures for Newfoundland (-6.7%), Nova Scotia (-2.5%), British Columbia (-1.0%) and Ontario (-0.8%) decreased. The distribution over the three-year period shows more than half of the provinces had increased FTE counts, Alberta (8.1%), followed by British Columbia (3.2%), New Brunswick (3.0%), Ontario (1.2%), Prince Edward Island (0.9%) and Quebec (0.2%). The others experienced a decrease, Nova Scotia (-7.4%), Saskatchewan (-2.4%), Manitoba (-1.4%), and Newfoundland (-0.8%). Please see Table 1–2 for full details.

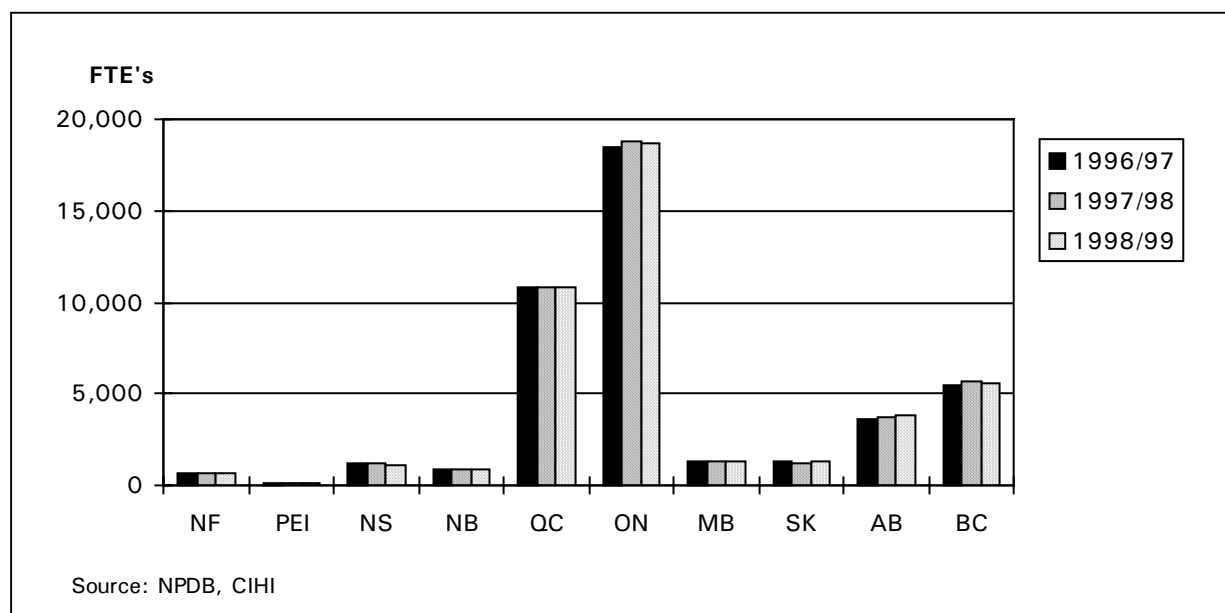


Figure 6. Full-time Equivalent Fee-for-Service Physicians by Province, Canada, 1996/97 to 1998/99

Table 4 shows the rankings of the percentage of FTE's above the higher benchmark by province and year. The rankings are consistent across the three-year period with Prince Edward Island, Newfoundland, Saskatchewan, Ontario and New Brunswick consistently among the top five while British Columbia, Nova Scotia, Alberta, Manitoba and Quebec consistently among the bottom five. The only real fluctuations in ranking over the three-year period occurred for Prince Edward Island and Newfoundland where shifts between first and third and fourth place occurred.

Table 4. Rankings of Provinces by Percentage of FTE Physicians Above the Upper Benchmark, by Province, 1996/97 to 1998/99

Province	1996/97	1997/98	1998/99
Nfld.	3	1	4
P.E.I.	1	4	1
N.S.	9	10	9
N.B.	5	5	5
Que.	6	6	6
Ont.	4	3	3
Man.	7	8	8
Sask.	2	2	2
Alta.	8	7	7
B.C.	10	9	10

Source: NPDB, CIHI

Gender and Year

Figure 7 shows the distribution of FTE physicians by gender and year. The ratio of males to females has shifted over the three-year period with an increase in the number of female FTE's. The ratio was 79.1% males to 20.9% females in 1996/97 and changed to 77.7%:22.3% by 1998/99. See Table 3-1 for further information.

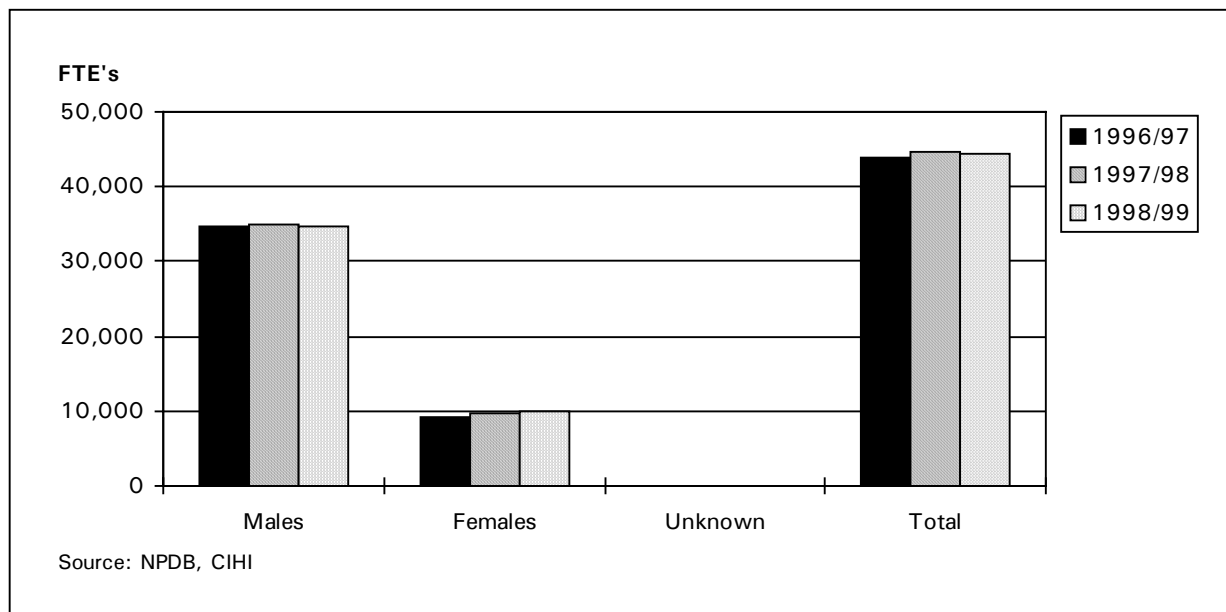


Figure 7. Full-time Equivalent Fee-for-Service Physicians by Gender, Canada, 1996/97 to 1998/99

The gender distribution of fee-for-service physicians is shown in Figure 8. The trend is the same as with the FTE's. The ratio of males to females is lower across all three years; 75.0%:25.0% in 1996/97 and 73.3%:26.7% in 1998/99.

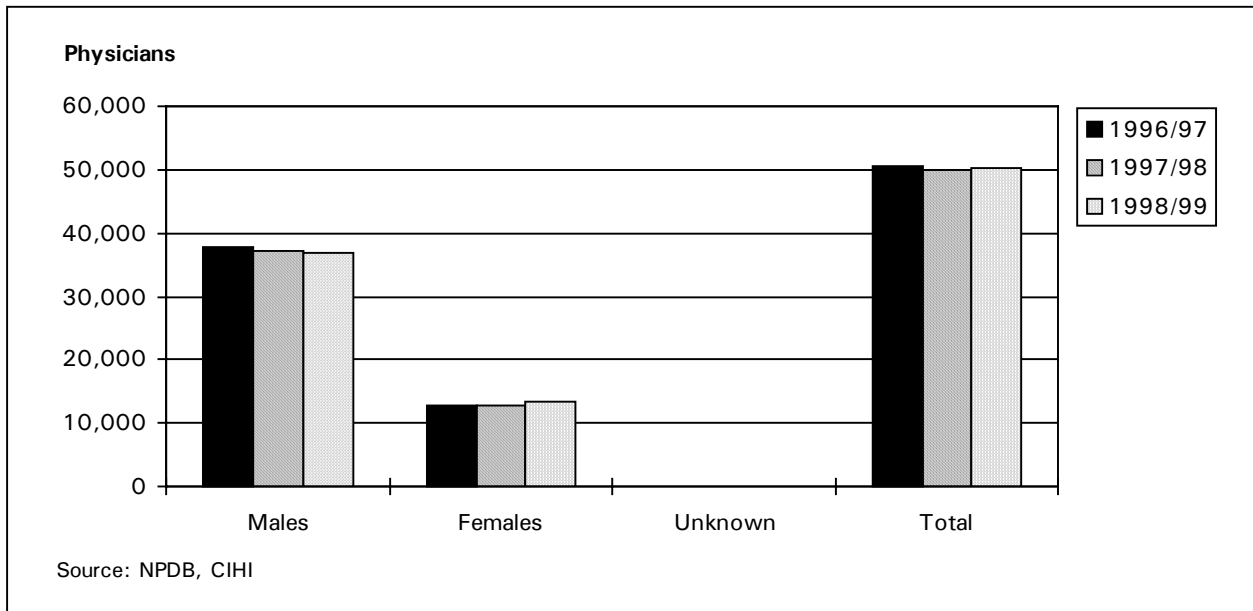


Figure 8. Fee-for-Service Physicians by Gender, Canada, 1996/97 to 1998/99

Age Group and Year

The distribution of FTE's by age group and year is shown in Figure 9. There were consistent decreases in the numbers of FTE's in the younger age groups (20-29 years, 30-39 years) between 1996/97 and 1998/99 and consistent increases for the 50 to 59, and 80 +, age groups. The 40 to 49 and 60 to 69 age groups revealed increased FTE's between 1996/97 to 1997/98 and decreases between 1997/98 and 1998/99. The 70 to 79 age group saw decreased FTE's between 1996/97 and 1997/98 and increases between 1997/98 and 1998/99. See Table 3-3 for further details.

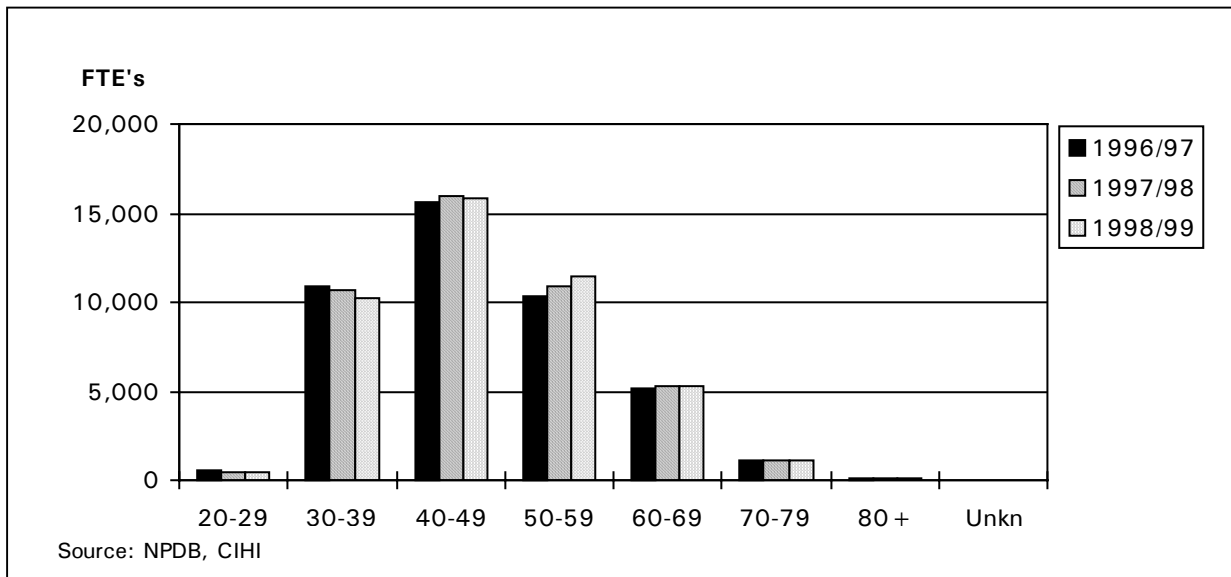


Figure 9. Full-time Equivalent Physicians by Age Group, Canada, 1996/97 to 1998/99

Place of MD Graduation

The majority of full-time equivalent fee-for-service physicians in Canada are also graduates of Canadian medical schools, ranging from 74.7% in 1996/97 to 75.3% in 1998/99 (Figure 10). The number of graduates of foreign medical schools remained stable across all three years, accounting for 25.0% in 1996/97, dropping slightly to 21.0% by 1998/99. Of these, the number of graduates from the USA remained at 0.7% for all three years.

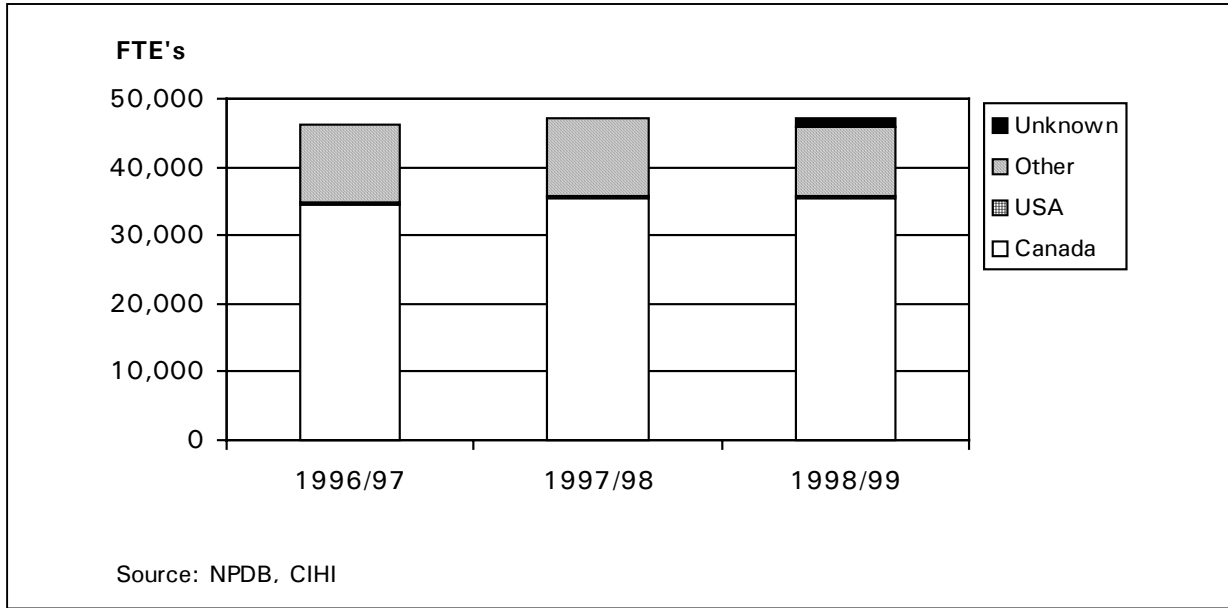


Figure 10. Full-time Equivalent Physicians by Place of Graduation, Canada, 1996/97 to 1998/99

Population per FTE Physician

Nationally, the number of people per FTE physician fluctuated slightly between 1996/97 and 1998/99 (Figure 11). It decreased from 680:1 in 1996/97 to 671:1 in 1997/98 and then rose again to 677:1 in 1998/99.

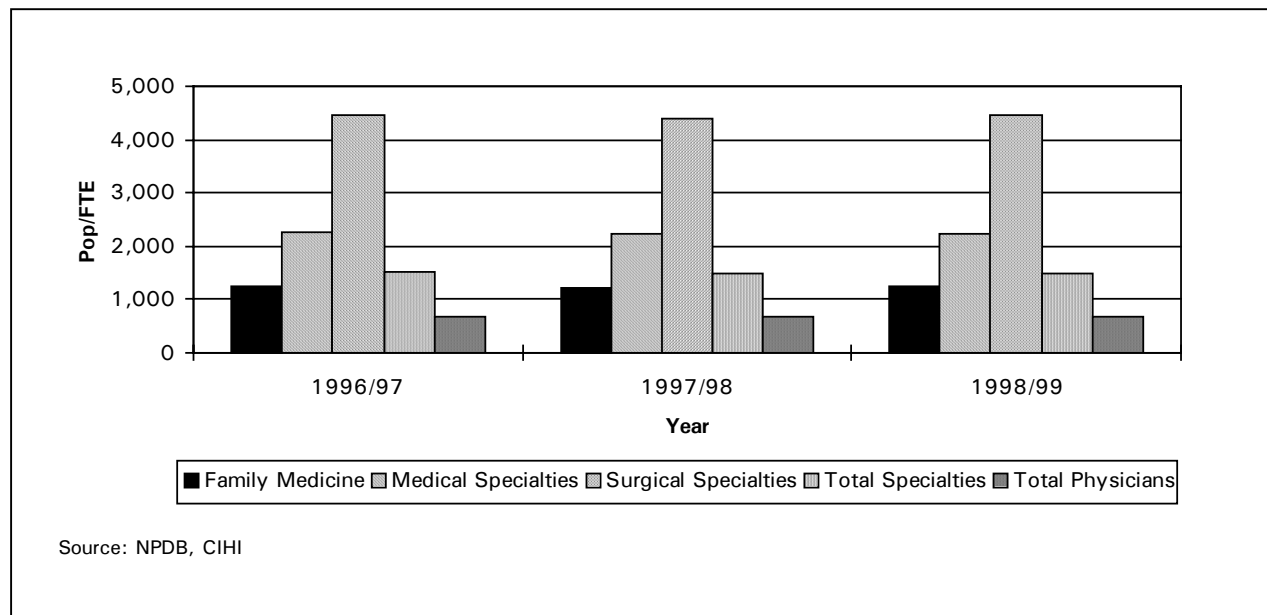


Figure 11. Population per Full-time Equivalent Fee-for-Service Physician by Type of Practice, Canada, 1996/97 to 1998/99

Provincially, Prince Edward Island consistently has the most people per FTE physician (Table 5). Ontario consistently has the least number of people per FTE, preceded by Quebec and British Columbia. For 1998/99, Prince Edward Island and Manitoba shared first place with the highest population per FTE physician while Newfoundland and Nova Scotia shared second place.

Table 5. Ranking of Population per FTE Physician, by Province, 1996/97 to 1998/99

Province	1996/97	1997/98	1998/99
Nfld.	3	6	2
P.E.I.	1	1	1
N.S.	7	5	2
N.B.	2	3	3
Que.	9	9	7
Ont.	10	10	8
Man.	4	2	1
Sask.	6	4	4
Alta.	5	7	5
B.C.	8	8	6

Source: NPDB, CIHI

Population per FTE Physician by Specialty Group

When examining the number of people per FTE by specialty group there are very different patterns based on specialty groupings. Nationally, the population per Family Medicine FTE ratio decreased slightly between 1996/97 and 1997/98 (1,240:1 to 1,231:1, respectively) and rose in 1998/99 to 1,248:1 (Figure 12).

The distribution is more significant at the provincial level (Figure 12). There were decreases in the population per Family Medicine FTE between 1996/97 and 1998/99 in three of the provinces. Alberta, New Brunswick and Quebec had lower ratios in 1998/99 than in 1996/97 (by 3.6%, 1.8%, and 0.7%, respectively). Prince Edward Island saw no change. All other provinces showed increases in the population per Family Medicine FTE ratio between 1996/97 and 1998/99, ranging from 1.0% for Ontario to 12.3% for Nova Scotia.

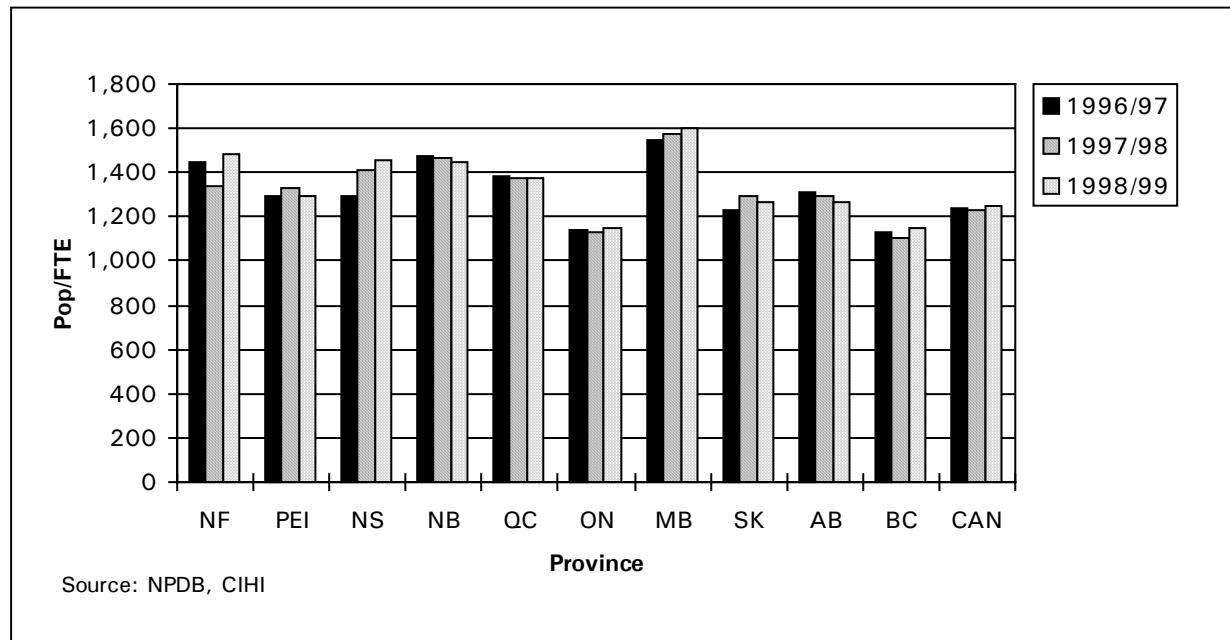


Figure 12. Population per Family Medicine Full-time Equivalent Fee-for-Service Physician by Province, Canada, 1996/97 to 1998/99

The national population per Medical Specialty FTE ratio dropped from 2,278:1 to 2,217:1 between 1996/97 and 1997/98 (2.7%) and then increased slightly to 2,222:1 in 1998/99 for a three-year decrease of 2.5% (Figure 13). The majority of provinces saw their population per Medical Specialty FTE ratios drop between 1996/97 and 1998/99. Ontario showed the lowest drop (-0.9%) and Newfoundland the highest (-10.3%). All provinces except Nova Scotia (by 4.1%) and Saskatchewan (by 1.9%) had lower ratios in 1998/99 than in 1996/97.

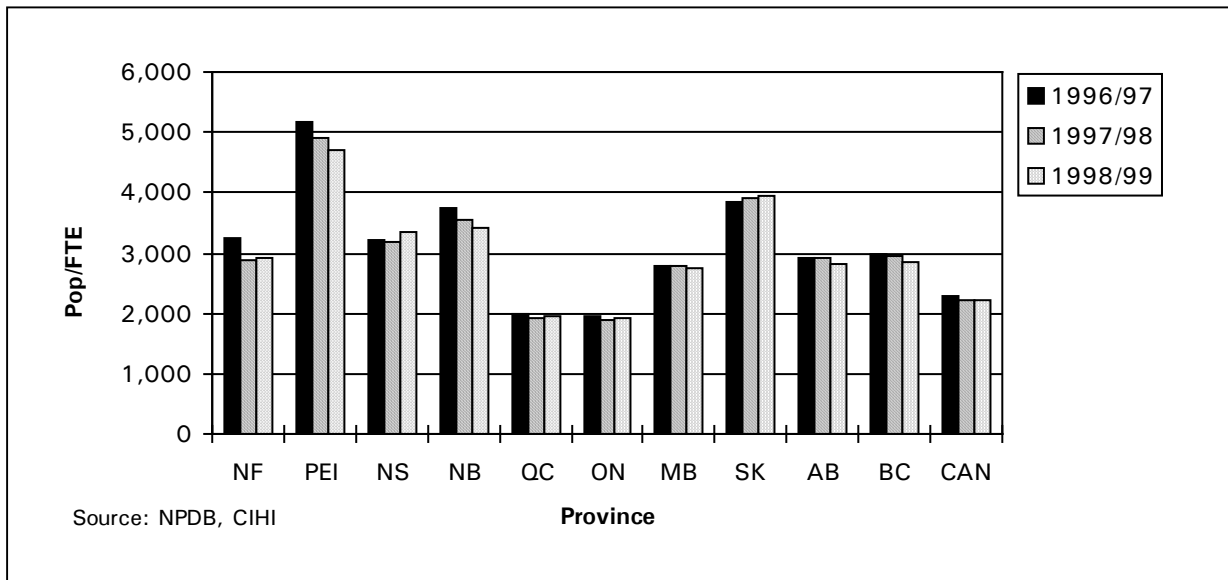


Figure 13. Population per Medical Specialty Full-time Equivalent Fee-for-Service Physician by Province, Canada, 1996/97 to 1998/99

At the national level, the ratio for Surgical Specialty FTE's decreased from 4,449:1 in 1996/97 to 4,401:1 in 1997/98 (-1.1%). It then rose to 4,447:1 in 1998/99 (1.0%) for a three-year decrease of 0.04% (Figure 14). All provinces with the exception of Prince Edward Island, Saskatchewan and British Columbia decreased their Population per Surgical Specialty FTE ratio between 1996/97 and 1997/98 with Newfoundland having the largest decrease of 6.8%. All ratios except for Quebec, Ontario and Saskatchewan decreased in 1998/99, resulting in more than half of them showing overall decreases across the three-year period. Only Saskatchewan had a steady rise in the ratio between 1996/97 and 1998/99, an overall increase of 3.9%.

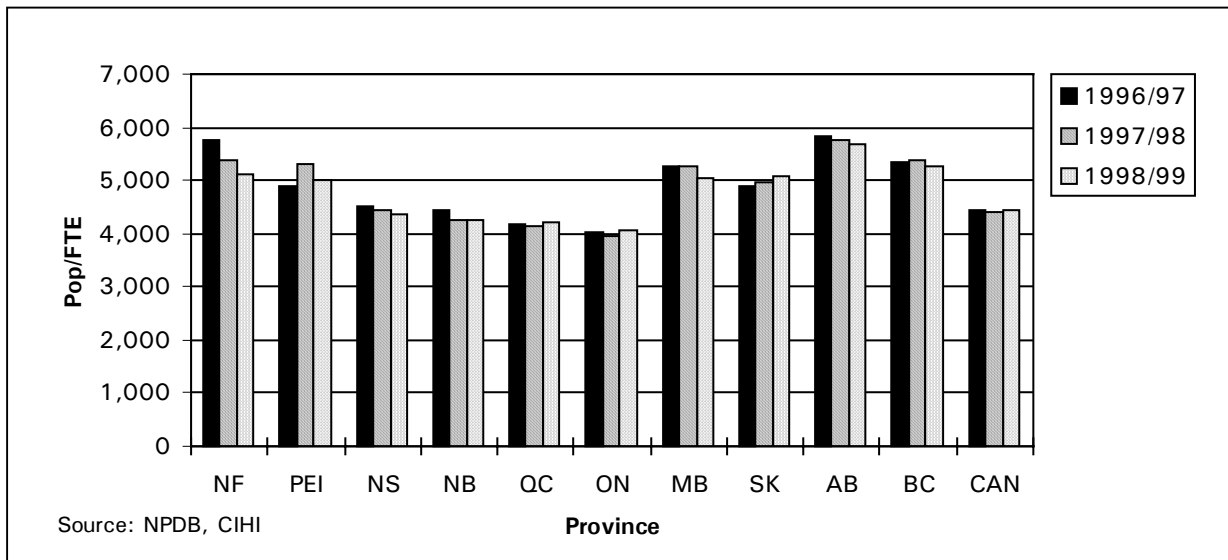


Figure 14. Population per Surgical Specialty Full-time Equivalent Fee-for-Service Physician by Province, Canada, 1996/97 to 1998/99

FTE Physicians per 100,000 Population

In Figure 15 the associated FTE physicians per 100,000 population figures are shown. The number of FTE physicians per 100,000 population was 147 in 1996/97, rose to 149 in 1997/98 and dropped again in 1998/99 to 148.

The number of Family Medicine FTE's per 100,000 population remained at 81 between 1996/97 and 1997/98 and dropped to 80 in 1998/99. Medical Specialist FTE's rose from 44 per 100,000 population to 45 in 1997/98 and for 1998/99. The Surgical Specialist FTE's went from 22 to 23 per 100,000 population in 1996/97 and 1997/98 and back to 22 in 1998/99.

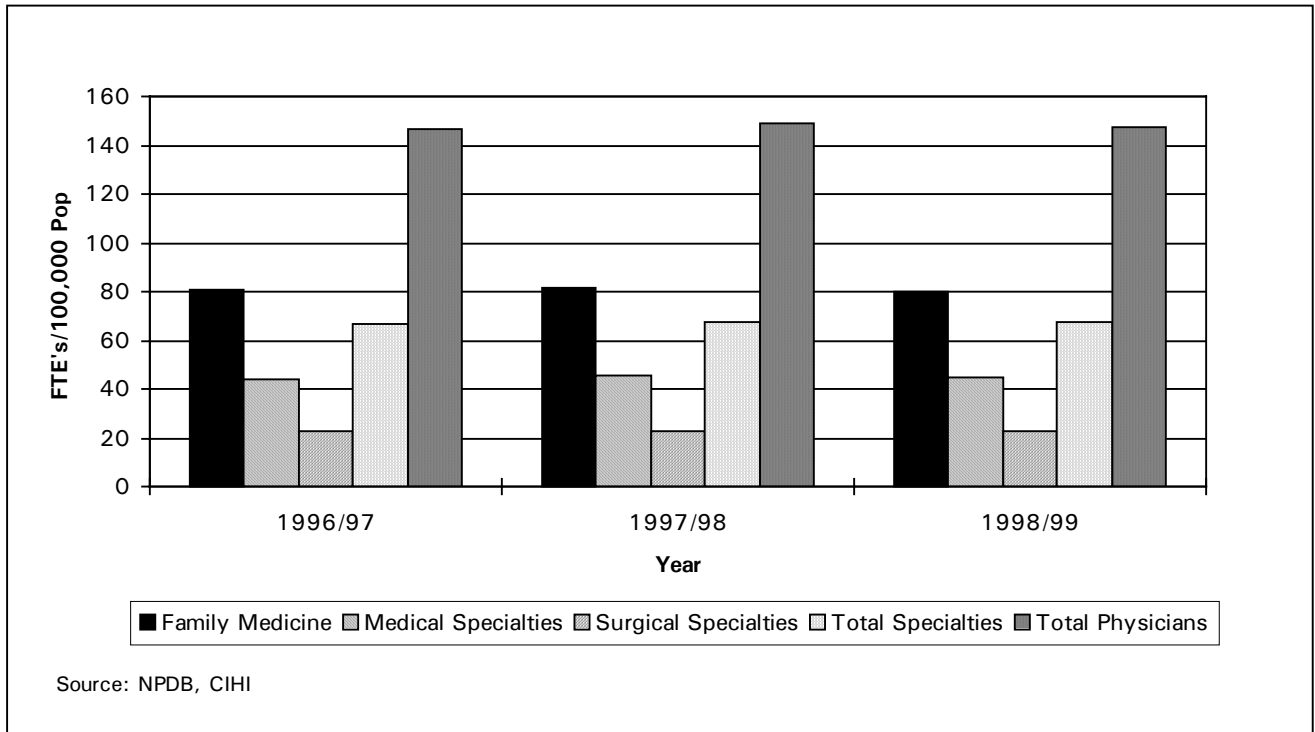


Figure 15. Full-time Equivalent Fee-for-Service Physicians per 100,000 Population by Type of Practice, 1996/97 to 1998/99

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*
1996/97											
Family Medicine	391.27	106.28	718.62	514.38	5,343.61	9,888.41	735.53	829.00	2,121.40	3,422.91	24,071.41
Medical Specialties	174.68	26.54	289.90	202.85	3,707.11	5,778.23	409.51	264.36	953.42	1,303.09	13,109.69
Surgical Specialties	98.29	28.01	207.32	170.02	1,771.58	2,806.42	216.94	208.47	479.47	725.54	6,712.06
Total Specialties	272.97	54.55	497.22	372.87	5,478.69	8,584.65	626.45	472.83	1,432.89	2,028.63	19,821.75
Total Physicians	664.24	160.83	1,215.84	887.25	10,822.30	18,473.06	1,361.98	1,301.83	3,554.29	5,451.54	43,893.16
1997/98											
Family Medicine	412.25	103.08	655.96	510.35	5,306.60	9,977.82	720.76	787.98	2,194.26	3,602.91	24,271.97
Medical Specialties	191.84	27.89	291.17	210.44	3,761.97	6,010.54	405.83	260.32	979.09	1,342.14	13,481.23
Surgical Specialties	102.39	25.84	207.33	175.59	1,767.53	2,860.88	215.47	205.22	494.94	735.68	6,790.87
Total Specialties	294.23	53.73	498.50	386.03	5,529.50	8,871.42	621.30	465.54	1,474.03	2,077.82	20,272.10
Total Physicians	706.48	156.81	1,154.46	896.38	10,836.10	18,849.24	1,342.06	1,253.52	3,668.29	5,680.73	44,544.07
1998/99											
Family Medicine	365.71	105.84	636.35	518.22	5,333.22	9,902.15	707.52	808.69	2,296.92	3,464.87	24,139.49
Medical Specialties	186.65	29.01	276.90	220.30	3,768.61	5,972.20	411.30	260.32	1,035.97	1,401.88	13,563.14
Surgical Specialties	106.45	27.37	212.75	175.68	1,742.39	2,816.27	224.30	201.47	511.19	758.72	6,776.59
Total Specialties	293.10	56.38	489.65	395.98	5,511.00	8,788.47	635.60	461.79	1,547.16	2,160.60	20,339.73
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	5,625.47	44,479.22

Source: NPDB, CIHI

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

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

Notes

Based on gross payments.

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

Please refer to tables 4-1 to 6-21 for detailed footnotes by specialty.

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*
1996/97 and 1997/98											
Family Medicine	5.36	-3.01	-8.72	-0.78	-0.69	0.90	-2.01	-4.95	3.43	5.26	0.83
Medical Specialties	9.82	5.09	0.44	3.74	1.48	4.02	-0.90	-1.53	2.69	3.00	2.83
Surgical Specialties	4.17	-7.75	0.00	3.28	-0.23	1.94	-0.68	-1.56	3.23	1.40	1.17
Total Specialties	7.79	-1.50	0.26	3.53	0.93	3.34	-0.82	-1.54	2.87	2.42	2.27
Total Physicians	6.36	-2.50	-5.05	1.03	0.13	2.04	-1.46	-3.71	3.21	4.20	1.48
1997/98 and 1998/99											
Family Medicine	-11.29	2.68	-2.99	1.54	0.50	-0.76	-1.84	2.63	4.68	-3.83	-0.55
Medical Specialties	-2.71	4.02	-4.90	4.69	0.18	-0.64	1.35	0.00	5.81	4.45	0.61
Surgical Specialties	3.97	5.92	2.61	0.05	-1.42	-1.56	4.10	-1.83	3.28	3.13	-0.21
Total Specialties	-0.38	4.93	-1.78	2.58	-0.33	-0.94	2.30	-0.81	4.96	3.98	0.33
Total Physicians	-6.75	3.45	-2.47	1.99	0.07	-0.84	0.08	1.35	4.79	-0.97	-0.15
1996/97 and 1998/99											
Family Medicine	-6.53	-0.41	-11.45	0.75	-0.19	0.14	-3.81	-2.45	8.27	1.23	0.28
Medical Specialties	6.85	9.31	-4.48	8.60	1.66	3.36	0.44	-1.53	8.66	7.58	3.46
Surgical Specialties	8.30	-2.28	2.62	3.33	-1.65	0.35	3.39	-3.36	6.62	4.57	0.96
Total Specialties	7.37	3.35	-1.52	6.20	0.59	2.37	1.46	-2.33	7.97	6.51	2.61
Total Physicians	-0.82	0.86	-7.39	3.04	0.20	1.18	-1.38	-2.41	8.15	3.19	1.34

Source: NPDB, CIHI

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

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

Notes

Based on gross payments.

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

Please refer to tables 4-1 to 6-21 for detailed footnotes by specialty.

Table 2-1: Full-Time Equivalent Fee-for-Service Physicians by Specialty, Canada and the Provinces, 1996/97

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Family Medicine	391.27	106.28	718.62	514.38	5,343.61	9,888.41	735.53	829.00	2,121.40	3,422.91	24,071.41
Medical Specialties	174.68	26.54	289.90	202.85	3,707.11	5,778.23	409.51	264.36	953.42	1,303.09	13,109.69
Internal Medicine	75.21	11.79	113.89	83.69	1,453.27	2,182.77	141.64	102.36	320.00	433.22	4,917.84
Neurology	7.87	0.08	11.14	13.36	185.55	189.64	17.79	14.39	35.15	58.86	533.83
Psychiatry	39.38	5.15	51.50	27.96	817.99	1,612.36	101.91	41.18	245.05	311.61	3,254.09
Pediatrics	22.46	2.99	24.48	23.89	502.88	730.76	79.57	34.54	147.25	114.12	1,682.94
Dermatology	3.79	0.77	7.39	5.16	168.98	176.56	8.80	5.16	33.11	43.91	453.63
Physical Medicine	n/a	0.18	8.07	4.19	87.80	120.33	8.84	2.60	13.87	15.68	261.56
Anesthesia	25.97	5.58	73.43	44.60	490.64	765.81	50.96	64.13	158.99	325.69	2,005.80
Surgical Specialties	98.29	28.01	207.32	170.02	1,771.58	2,806.42	216.94	208.47	479.47	725.54	6,712.06
General Surgery	29.53	12.52	53.37	31.35	424.85	724.05	58.61	53.66	105.39	164.65	1,657.98
Thoracic/Cardiovascular Surgery	3.15	n/a	11.91	10.35	68.63	22.34	8.80	12.08	17.77	16.18	171.21
Urology	7.74	0.91	16.59	16.48	118.49	202.50	14.39	14.08	28.81	63.44	483.43
Orthopedic Surgery	12.47	3.81	20.27	22.83	264.06	335.58	27.72	29.11	69.00	105.07	889.92
Plastic Surgery	2.04	n/a	9.32	12.52	94.74	140.92	13.30	13.91	31.68	44.42	362.85
Neurosurgery	3.88	n/a	1.88	3.49	50.54	62.82	5.58	8.53	14.81	24.33	175.86
Ophthalmology	11.65	3.23	42.75	30.46	248.38	435.79	24.44	31.75	81.52	146.95	1,056.92
Otolaryngology	8.33	2.00	14.93	15.04	155.40	214.50	12.34	14.28	30.13	54.03	520.98
Obstetrics/Gynecology	19.50	5.54	36.30	27.50	346.49	667.92	51.76	31.07	100.36	106.47	1,392.91
Total Specialties	272.97	54.55	497.22	372.87	5,478.69	8,584.65	626.45	472.83	1,432.89	2,028.63	19,821.75
Total Physicians	664.24	160.83	1,215.84	887.25	10,822.30	18,473.06	1,361.98	1,301.83	3,554.29	5,451.54	43,893.16

Source: NPDB, CIHI

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

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

Notes

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, 1997/98

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Family Medicine	412.25	103.08	655.96	510.35	5,306.60	9,977.82	720.76	787.98	2,194.26	3,602.91	24,271.97
Medical Specialties	191.84	27.89	291.17	210.44	3,761.97	6,010.54	405.83	260.32	979.09	1,342.14	13,481.23
Internal Medicine	78.13	12.89	116.48	86.35	1,479.16	2,301.12	145.90	104.13	337.52	452.77	5,114.45
Neurology	7.29	0.39	10.81	13.62	193.52	195.46	17.21	14.58	36.54	59.10	548.52
Psychiatry	40.87	5.49	51.65	29.11	827.46	1,645.19	98.47	39.17	236.20	317.08	3,290.69
Pediatrics	28.50	2.70	21.35	24.48	509.10	761.11	77.89	33.86	154.99	116.03	1,730.01
Dermatology	4.89	0.73	7.39	5.12	170.58	183.78	7.85	5.04	33.80	47.05	466.23
Physical Medicine	0.01	0.16	7.51	4.23	88.91	127.34	9.09	2.93	13.94	15.19	269.31
Anesthesia	32.15	5.53	75.98	47.53	493.24	796.54	49.42	60.61	166.10	334.92	2,062.02
Surgical Specialties	102.39	25.84	207.33	175.59	1,767.53	2,860.88	215.47	205.22	494.94	735.68	6,790.87
General Surgery	27.84	11.30	51.07	33.67	426.38	736.96	57.02	54.58	109.31	166.55	1,674.68
Thoracic/Cardiovascular Surgery	3.09	n/a	13.64	10.08	70.36	23.17	8.92	8.59	18.58	17.46	173.89
Urology	8.11	0.82	19.64	16.64	119.40	207.72	14.68	14.32	28.74	63.83	493.90
Orthopedic Surgery	12.11	3.66	20.84	24.79	263.76	348.78	28.21	26.68	71.24	104.93	905.00
Plastic Surgery	2.24	n/a	8.84	13.13	90.37	143.46	13.38	14.05	32.46	43.60	361.53
Neurosurgery	4.30	n/a	0.47	3.46	52.93	65.75	5.22	6.97	15.84	24.35	179.29
Ophthalmology	11.96	3.22	43.27	29.76	251.41	449.46	24.27	33.38	84.09	150.42	1,081.24
Otolaryngology	11.31	2.00	14.02	15.21	155.22	219.83	12.06	13.56	31.41	55.41	530.03
Obstetrics/Gynecology	21.43	4.84	35.54	28.85	337.70	665.75	51.71	33.09	103.27	109.13	1,391.31
Total Specialties	294.23	53.73	498.50	386.03	5,529.50	8,871.42	621.30	465.54	1,474.03	2,077.82	20,272.10
Total Physicians	706.48	156.81	1,154.46	896.38	10,836.10	18,849.24	1,342.06	1,253.52	3,668.29	5,680.73	44,544.07

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 5-1 to 5-21 for detailed footnotes by specialty.

Table 2-3: Full-Time Equivalent Fee-for-Service Physicians by Specialty, Canada and the Provinces, 1998/99

	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	3,464.87	24,139.49
Medical Specialties	186.65	29.01	276.90	220.30	3,768.61	5,972.20	411.30	260.32	1,035.97	1,401.88	13,563.14
Internal Medicine	75.86	14.09	112.60	88.54	1,467.10	2,302.78	147.61	107.13	361.16	438.77	5,115.64
Neurology	6.56	0.36	9.48	15.17	194.83	193.65	15.92	14.29	38.70	60.04	549.00
Psychiatry	37.05	4.78	50.06	31.01	839.66	1,615.67	100.36	39.08	251.00	363.14	3,331.81
Pediatrics	28.27	3.08	20.20	25.47	507.37	761.33	77.35	33.40	162.05	144.52	1,763.04
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	19.16	270.69
Anesthesia	33.82	5.76	70.26	50.36	504.18	798.30	52.84	59.73	173.15	333.43	2,081.83
Surgical Specialties	106.45	27.37	212.75	175.68	1,742.39	2,816.27	224.30	201.47	511.19	758.72	6,776.59
General Surgery	27.95	11.74	51.41	34.01	418.20	725.98	55.39	53.19	116.70	164.19	1,658.76
Thoracic/Cardiovascular Surgery	4.60	n/a	15.06	10.20	66.86	24.09	11.53	9.43	18.22	24.70	184.69
Urology	7.76	0.90	18.94	17.69	118.74	204.99	14.91	15.12	31.21	66.75	497.01
Orthopedic Surgery	14.11	3.80	22.75	23.97	263.97	350.90	30.76	24.67	73.57	116.63	925.13
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	145.55	1,069.14
Otolaryngology	12.17	2.00	14.19	14.85	155.71	214.77	12.72	12.84	30.96	53.22	523.43
Obstetrics/Gynecology	21.60	5.34	36.24	28.84	323.25	655.83	51.85	34.59	104.23	112.18	1,373.95
Total Specialties	293.10	56.38	489.65	395.98	5,511.00	8,788.47	635.60	461.79	1,547.16	2,160.60	20,339.73
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	5,625.47	44,479.22

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 6-1 to 6-21 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*
1996/97											
Males	533.93	142.23	946.44	724.57	8,237.49	14,797.11	1,105.86	1,082.12	2,776.32	4,390.57	34,736.64
Females	130.31	18.60	269.40	162.68	2,584.81	3,675.95	256.12	219.71	777.97	1,060.92	9,156.47
Unknown	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.05	0.05
Total	664.24	160.83	1,215.84	887.25	10,822.30	18,473.06	1,361.98	1,301.83	3,554.29	5,451.54	43,893.16
1997/98											
Males	559.93	139.53	882.15	725.96	8,110.02	15,009.76	1,084.61	1,034.96	2,853.25	4,552.55	34,952.72
Females	146.55	17.28	272.31	170.42	2,725.32	3,839.48	257.45	218.56	815.04	1,128.18	9,590.59
Unknown	n/a	n/a	n/a	n/a	0.76	n/a	n/a	n/a	n/a	0.00	0.76
Total	706.48	156.81	1,154.46	896.38	10,836.10	18,849.24	1,342.06	1,253.52	3,668.29	5,680.73	44,544.07
1998/99											
Males	518.76	143.75	847.49	731.24	7,984.05	14,788.75	1,074.18	1,042.67	2,971.69	4,474.67	34,577.25
Females	140.05	18.47	278.51	182.96	2,860.17	3,901.87	268.94	227.81	872.39	1,150.76	9,901.93
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	5,625.47	44,479.22

Source: NPDB, CIHI

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

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

Notes

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

Please refer to tables 4-1 to 6-21 for detailed footnotes by specialty.

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*
1996/97											
Males	649	157	1,231	817	9,094	15,052	1,360	1,072	3,038	5,393	37,863
Females	216	28	430	229	3,438	4,774	418	304	1,079	1,730	12,646
Unknown	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1	1
Total	865	185	1,661	1,046	12,532	19,826	1,778	1,376	4,117	7,124	50,510
1997/98											
Males	668	166	1,137	791	8,661	14,767	1,354	1,038	3,052	5,511	37,145
Females	217	25	441	233	3,541	4,821	421	301	1,098	1,825	12,923
Unknown	n/a	n/a	n/a	n/a	1	n/a	n/a	n/a	n/a	2	3
Total	885	191	1,578	1,024	12,203	19,588	1,775	1,339	4,150	7,338	50,071
1998/99											
Males	666	167	1,118	806	8,342	14,841	1,326	1,049	3,132	5,374	36,821
Females	212	29	449	253	3,754	4,968	414	317	1,183	1,825	13,404
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	7,200	50,227

Source: NPDB, CIHI

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

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

Notes

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

Please refer to tables 4-1 to 6-21 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*
1996/97											
20-29	6.15	1.00	4.99	12.64	172.64	209.06	24.20	17.68	43.69	35.64	527.69
30-39	175.31	32.58	325.15	262.35	2,983.95	4,300.92	331.23	312.55	854.91	1,375.19	10,954.14
40-49	239.98	65.01	433.18	283.71	3,777.98	6,463.54	482.39	389.64	1,507.16	2,025.83	15,668.42
50-59	169.32	36.08	283.73	223.79	2,477.19	4,420.03	301.39	346.08	729.68	1,364.27	10,351.56
60-69	59.61	22.33	136.91	89.14	1,180.08	2,390.38	180.50	192.75	359.14	547.56	5,158.40
70-79	12.56	1.57	23.06	13.11	210.35	626.66	39.97	41.93	52.62	100.26	1,122.09
80 +	n/a	1.21	0.19	2.51	19.23	45.71	2.30	1.20	5.14	2.79	80.28
Unknown	1.31	1.05	8.63	n/a	0.88	16.76	n/a	n/a	1.95	n/a	30.58
Total	664.24	160.83	1,215.84	887.25	10,822.30	18,473.06	1,361.98	1,301.83	3,554.29	5,451.54	43,893.16
1997/98											
20-29	6.09	0.29	4.24	11.23	175.54	193.38	14.86	12.65	50.10	30.21	498.59
30-39	171.56	28.33	260.80	247.81	2,904.22	4,207.92	320.06	281.23	843.45	1,386.43	10,651.81
40-49	255.58	62.24	442.83	300.95	3,845.37	6,530.06	465.11	372.44	1,534.39	2,094.42	15,903.39
50-59	186.47	38.49	278.95	228.30	2,568.81	4,685.80	316.26	354.06	805.10	1,474.89	10,937.13
60-69	71.29	25.03	144.35	94.37	1,153.88	2,516.50	182.28	193.70	369.24	582.66	5,333.30
70-79	14.17	1.20	19.90	11.01	165.53	650.41	41.11	37.87	57.87	109.18	1,108.25
80 +	n/a	1.23	0.17	2.71	20.52	50.23	2.38	1.57	5.79	2.94	87.54
Unknown	1.32	n/a	3.22	n/a	2.23	14.94	n/a	n/a	2.35	n/a	24.06
Total	706.48	156.81	1,154.46	896.38	10,836.10	18,849.24	1,342.06	1,253.52	3,668.29	5,680.73	44,544.07
1998/99											
20-29	2.77	1.36	5.04	12.25	184.15	128.73	15.55	14.14	49.62	28.41	442.02
30-39	148.01	28.54	239.03	230.51	2,799.63	4,060.36	291.65	295.78	873.02	1,304.52	10,271.05
40-49	239.80	63.24	423.85	312.55	3,924.04	6,425.21	480.54	366.01	1,572.18	2,053.78	15,861.20
50-59	189.90	37.68	300.59	246.47	2,674.95	4,826.48	322.41	350.52	911.45	1,572.86	11,433.31
60-69	62.10	28.71	131.81	93.19	1,090.28	2,522.11	185.49	191.96	375.23	562.28	5,243.16
70-79	16.20	1.97	22.41	15.24	153.63	660.22	45.26	48.83	54.68	98.08	1,116.52
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	1.00	20.51
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	5,625.47	44,479.22

Source: NPDB, CIHI

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

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

Notes

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

Please refer to tables 4-1 to 6-21 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*
1996/97											
20-29	31	1	16	22	276	326	52	28	98	87	937
30-39	281	42	479	336	3,508	5,071	504	359	1,113	1,991	13,684
40-49	281	68	553	312	4,035	6,223	569	405	1,564	2,359	16,369
50-59	167	36	348	217	2,586	4,131	325	317	755	1,578	10,460
60-69	74	24	195	119	1,530	2,584	231	198	450	803	6,208
70-79	30	11	57	33	517	1,043	90	63	113	288	2,245
80 +	n/a	2	2	7	74	156	7	6	20	18	292
Unknown	1	1	11	n/a	6	292	n/a	n/a	4	n/a	315
Total	865	185	1,661	1,046	12,532	19,826	1,778	1,376	4,117	7,124	50,510
1997/98											
20-29	25	1	22	22	270	271	34	21	94	83	843
30-39	283	36	425	298	3,379	4,764	497	325	1,050	1,979	13,036
40-49	289	70	562	330	4,061	6,163	572	397	1,587	2,434	16,465
50-59	173	45	328	220	2,674	4,277	342	329	818	1,710	10,916
60-69	85	26	188	119	1,392	2,639	226	203	457	823	6,158
70-79	29	10	49	29	349	1,074	93	59	117	291	2,100
80 +	n/a	3	1	6	75	150	11	5	23	18	292
Unknown	1	n/a	3	n/a	3	250	n/a	n/a	4	n/a	261
Total	885	191	1,578	1,024	12,203	19,588	1,775	1,339	4,150	7,338	50,071
1998/99											
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	1,817	12,529
40-49	304	75	557	341	4,166	6,193	590	398	1,639	2,403	16,666
50-59	187	42	358	239	2,753	4,472	340	331	915	1,814	11,451
60-69	84	30	184	112	1,265	2,677	227	198	454	814	6,045
70-79	29	8	49	35	281	1,102	96	68	117	263	2,048
80 +	n/a	3	2	7	64	157	10	7	27	14	291
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	7,200	50,227

Source: NPDB, CIHI

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

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

Notes

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

Please refer to tables 4-1 to 6-21 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*
1996/97											
Canada	416.64	134.06	929.64	703.21	9,381.52	13,515.58	871.28	566.81	2,467.08	3,820.96	32,806.78
USA	3.06	2.09	9.91	1.04	54.67	136.02	3.55	5.17	26.07	54.09	295.67
Other	243.47	21.50	276.29	183.00	1,384.90	4,798.21	487.15	729.85	1,028.80	1,472.40	10,625.57
Unknown	1.07	3.18	n/a	n/a	1.21	23.25	n/a	n/a	32.34	104.09	165.14
Total	664.24	160.83	1,215.84	887.25	10,822.30	18,473.06	1,361.98	1,301.83	3,554.29	5,451.54	43,893.16
1997/98											
Canada	437.92	130.51	869.97	718.52	9,454.21	13,805.76	859.85	550.49	2,571.29	4,005.21	33,403.73
USA	3.57	1.99	12.45	1.02	55.30	138.35	3.71	3.87	26.42	57.04	303.72
Other	263.93	21.58	270.41	176.84	1,325.36	4,878.37	478.50	699.16	1,037.53	1,513.21	10,664.89
Unknown	1.06	2.73	1.63	n/a	1.23	26.76	n/a	n/a	33.05	105.27	171.73
Total	706.48	156.81	1,154.46	896.38	10,836.10	18,849.24	1,342.06	1,253.52	3,668.29	5,680.73	44,544.07
1998/99											
Canada	420.50	135.48	847.49	736.38	9,502.62	13,764.06	873.81	554.73	2,691.22	3,987.67	33,513.96
USA	3.62	1.71	12.72	1.36	58.22	131.67	4.16	4.31	26.45	51.16	295.38
Other	232.69	21.80	262.98	176.46	n/a	4,754.59	465.15	711.44	1,094.49	1,482.86	9,202.46
Unknown	2.00	3.23	2.81	n/a	1,283.38	40.30	n/a	n/a	31.92	103.78	1,467.42
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	5,625.47	44,479.22

Source: NPDB, CIHI

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

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

Notes

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

Please refer to tables 4-1 to 6-21 for detailed footnotes by specialty.

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*
1996/97											
Canada	497	151	1,245	837	10,917	14,948	1,190	648	2,926	5,067	38,426
USA	3	4	24	2	69	159	9	6	33	81	390
Other	350	28	392	207	1,545	4,673	579	722	1,118	1,840	11,454
Unknown	15	2	n/a	n/a	1	46	n/a	n/a	40	136	240
Total	865	185	1,661	1,046	12,532	19,826	1,778	1,376	4,117	7,124	50,510
1997/98											
Canada	508	154	1,175	815	10,694	14,794	1,196	642	2,961	5,259	38,198
USA	3	3	22	3	67	159	9	6	32	85	389
Other	362	32	376	206	1,441	4,585	570	691	1,117	1,856	11,236
Unknown	12	2	5	n/a	1	50	n/a	n/a	40	138	248
Total	885	191	1,578	1,024	12,203	19,588	1,775	1,339	4,150	7,338	50,071
1998/99											
Canada	498	159	1,176	860	10,638	14,996	1,173	654	3,055	5,179	38,388
USA	4	3	21	3	70	157	8	7	32	80	385
Other	358	32	365	197	n/a	4,569	559	705	1,186	1,809	9,780
Unknown	18	2	5	n/a	1,388	87	n/a	n/a	42	132	1,674
Total	878	196	1,567	1,060	12,096	19,809	1,740	1,366	4,315	7,200	50,227

Source: NPDB, CIHI

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

Notes

Physicians paid under alternative forms of reimbursement such as salary and sessional are not included.
Please refer to tables 4-1 to 6-21 for detailed footnotes by specialty.

Table 4-1: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1996/97

Family Medicine

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	311	39	504	295	2,915	4,335	465	366	1,124	2,614	12,968
# of FTE's	66.39	8.97	208.61	114.08	1,351.53	1,842.03	164.09	133.97	578.93	1,267.62	5,736.22
Within the Benchmarks											
# Physicians and FTE's	56	16	184	94	1,201	1,609	126	98	499	1,008	4,891
Above the Higher Benchmark											
# Physicians	191	59	262	234	2,294	4,763	337	427	815	949	10,331
# of FTE's	268.88	81.31	326.01	306.30	2,791.08	6,437.38	445.44	597.03	1,043.47	1,147.29	13,444.19
Total Physicians											
# Physicians	558	114	950	623	6,410	10,707	928	891	2,438	4,571	28,190
# of FTE's	391.27	106.28	718.62	514.38	5,343.61	9,888.41	735.53	829.00	2,121.40	3,422.91	24,071.41

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 4-2: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1996/97

Medical Specialists

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	85	27	302	86	1,629	2,461	386	131	570	840	6,517
# of FTE's	32.70	6.29	120.54	35.24	809.37	1,031.48	173.91	63.36	285.31	405.98	2,964.18
Within the Benchmarks											
# Physicians and FTE's	28	4	79	35	828	1,044	62	45	212	307	2,644
Above the Higher Benchmark											
# Physicians	83	13	76	96	1,625	2,612	129	106	339	469	5,548
# of FTE's	113.98	16.25	90.36	132.61	2,069.74	3,702.75	173.60	156.00	456.11	590.11	7,501.51
Total Physicians											
# Physicians	196	44	457	217	4,082	6,117	577	282	1,121	1,616	14,709
# of FTE's	174.68	26.54	289.90	202.85	3,707.11	5,778.23	409.51	264.36	953.42	1,303.09	13,109.69

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, 1996/97

Internal Medicine

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	30	8	98	29	663	929	141	53	214	236	2,401
# of FTE's	9.93	1.51	48.61	9.48	331.67	376.02	56.54	20.74	94.67	106.10	1,055.27
Within the Benchmarks											
# Physicians and FTE's	9	3	34	14	351	364	22	11	56	102	966
Above the Higher Benchmark											
# Physicians	41	6	26	41	620	938	43	45	119	170	2,049
# of FTE's	56.28	7.28	31.28	60.21	770.60	1,442.75	63.10	70.62	169.33	225.12	2,896.57
Total Physicians											
# Physicians	80	17	158	84	1,634	2,231	206	109	389	508	5,416
# of FTE's	75.21	11.79	113.89	83.69	1,453.27	2,182.77	141.64	102.36	320.00	433.22	4,917.84

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 4-4: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1996/97

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	1	13	1	80	77	12	4	31	31	254
# of FTE's	2.50	0.08	5.57	0.01	36.42	32.84	6.02	1.29	15.38	16.59	116.70
Within the Benchmarks											
# Physicians and FTE's	3	0	3	0	37	35	1	2	8	16	105
Above the Higher Benchmark											
# Physicians	2	0	2	9	83	79	8	7	8	21	219
# of FTE's	2.37	0.00	2.57	13.35	112.13	121.80	10.77	11.10	11.77	26.27	312.13
Total Physicians											
# Physicians	9	1	18	10	200	191	21	13	47	68	578
# of FTE's	7.87	0.08	11.14	13.36	185.55	189.64	17.79	14.39	35.15	58.86	533.83

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, 1996/97

Psychiatry and Neuropsychiatry

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	10	7	65	21	442	648	66	18	76	271	1,624
# of FTE's	2.65	1.41	19.13	9.03	219.66	297.83	31.31	10.00	41.65	147.69	780.36
Within the Benchmarks											
# Physicians and FTE's	3	1	12	1	182	305	20	3	53	81	661
Above the Higher Benchmark											
# Physicians	22	2	16	13	311	755	40	18	115	69	1,361
# of FTE's	33.73	2.74	20.37	17.93	416.33	1,009.53	50.60	28.18	150.40	82.92	1,812.73
Total Physicians											
# Physicians	35	10	93	35	935	1,708	126	39	244	421	3,646
# of FTE's	39.38	5.15	51.50	27.96	817.99	1,612.36	101.91	41.18	245.05	311.61	3,254.09

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 4-6: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1996/97

Pediatrics

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	24	4	64	12	170	368	60	20	112	111	945
# of FTE's	8.51	0.02	11.93	2.62	77.52	102.59	25.25	8.32	43.26	37.68	317.70
Within the Benchmarks											
# Physicians and FTE's	5	0	8	7	146	125	10	11	42	37	391
Above the Higher Benchmark											
# Physicians	7	2	4	10	213	346	34	11	48	31	706
# of FTE's	8.95	2.97	4.55	14.27	279.36	503.17	44.32	15.22	61.99	39.44	974.24
Total Physicians											
# Physicians	36	6	76	29	529	839	104	42	202	179	2,042
# of FTE's	22.46	2.99	24.48	23.89	502.88	730.76	79.57	34.54	147.25	114.12	1,682.94

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, 1996/97

Dermatology

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	3	1	11	6	73	81	8	5	12	39	239
# of FTE's	0.62	0.77	6.10	4.16	47.84	40.24	3.35	3.16	6.31	21.18	133.73
Within the Benchmarks											
# Physicians and FTE's	1	0	0	1	34	26	2	2	9	10	85
Above the Higher Benchmark											
# Physicians	2	0	1	0	75	88	3	0	13	11	193
# of FTE's	2.17	0.00	1.29	0.00	87.14	110.32	3.45	0.00	17.80	12.73	234.90
Total Physicians											
# Physicians	6	1	12	7	182	195	13	7	34	60	517
# of FTE's	3.79	0.77	7.39	5.16	168.98	176.56	8.80	5.16	33.11	43.91	453.63

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 4-8: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1996/97

Physical Medicine/Rehabilitation

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	0	1	7	2	13	42	4	2	20	28	119
# of FTE's	0.00	0.18	4.06	0.38	5.21	18.86	2.48	0.60	10.00	8.68	50.45
Within the Benchmarks											
# Physicians and FTE's	0	0	3	0	7	26	5	2	1	7	51
Above the Higher Benchmark											
# Physicians	0	0	1	3	48	50	1	0	1	0	104
# of FTE's	0.00	0.00	1.01	3.81	75.59	75.47	1.36	0.00	2.87	0.00	160.11
Total Physicians											
# Physicians	0	1	11	5	68	118	10	4	22	35	274
# of FTE's	0.00	0.18	8.07	4.19	87.80	120.33	8.84	2.60	13.87	15.68	261.56

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, 1996/97

Anesthesia

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	14	5	44	15	188	316	95	29	105	124	935
# of FTE's	8.49	2.32	25.14	9.56	91.05	163.10	48.96	19.25	74.04	68.06	509.97
Within the Benchmarks											
# Physicians and FTE's	7	0	19	12	71	163	2	14	43	54	385
Above the Higher Benchmark											
# Physicians	9	3	26	20	275	356	0	25	35	167	916
# of FTE's	10.48	3.26	29.29	23.04	328.59	439.71	0.00	30.88	41.95	203.63	1,110.83
Total Physicians											
# Physicians	30	8	89	47	534	835	97	68	183	345	2,236
# of FTE's	25.97	5.58	73.43	44.60	490.64	765.81	50.96	64.13	158.99	325.69	2,005.80

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 4-10: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1996/97

Surgical Specialists

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	50	6	129	97	876	1,169	156	74	260	555	3,372
# of FTE's	22.86	2.43	65.51	47.14	466.84	505.97	84.33	40.09	131.38	305.89	1,672.44
Within the Benchmarks											
# Physicians and FTE's	7	8	47	45	436	422	49	32	108	216	1,370
Above the Higher Benchmark											
# Physicians	54	13	78	64	728	1,411	68	97	190	166	2,869
# of FTE's	68.43	17.58	94.81	77.88	868.74	1,878.45	83.61	136.38	240.09	203.65	3,669.62
Total Physicians											
# Physicians	111	27	254	206	2,040	3,002	273	203	558	937	7,611
# of FTE's	98.29	28.01	207.32	170.02	1,771.58	2,806.42	216.94	208.47	479.47	725.54	6,712.06

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, 1996/97

General Surgery

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	14	2	30	21	242	319	49	24	54	100	855
# of FTE's	4.78	0.31	13.20	6.37	108.75	129.98	23.24	12.93	24.34	50.44	374.34
Within the Benchmarks											
# Physicians and FTE's	2	1	7	6	100	112	11	12	26	54	331
Above the Higher Benchmark											
# Physicians	17	8	27	16	177	365	20	23	45	50	748
# of FTE's	22.75	11.21	33.17	18.98	216.10	482.07	24.37	28.73	55.05	60.21	952.64
Total Physicians											
# Physicians	33	11	64	43	519	796	80	59	125	204	1,934
# of FTE's	29.53	12.52	53.37	31.35	424.85	724.05	58.61	53.66	105.39	164.65	1,657.98

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 4-12: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1996/97

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	4	11	24	13	11	3	8	12	91
# of FTE's	1.95	0.00	1.69	7.26	11.92	6.93	6.38	2.41	6.22	7.76	52.52
Within the Benchmarks											
# Physicians and FTE's	0	0	3	0	13	3	1	2	0	6	28
Above the Higher Benchmark											
# Physicians	1	0	6	3	34	10	1	5	9	2	71
# of FTE's	1.20	0.00	7.22	3.09	43.71	12.41	1.42	7.67	11.55	2.42	90.69
Total Physicians											
# Physicians	6	0	13	14	71	26	13	10	17	20	190
# of FTE's	3.15	0.00	11.91	10.35	68.63	22.34	8.80	12.08	17.77	16.18	171.21

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, 1996/97

Urology

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	3	1	12	13	56	74	15	4	9	33	220
# of FTE's	2.25	0.91	9.13	7.51	35.36	33.07	9.98	3.21	6.59	20.07	128.08
Within the Benchmarks											
# Physicians and FTE's	0	0	5	5	34	31	2	7	12	17	113
Above the Higher Benchmark											
# Physicians	5	0	2	3	43	107	2	3	9	21	195
# of FTE's	5.49	0.00	2.46	3.97	49.13	138.43	2.41	3.87	10.22	26.37	242.35
Total Physicians											
# Physicians	8	1	19	21	133	212	19	14	30	71	528
# of FTE's	7.74	0.91	16.59	16.48	118.49	202.50	14.39	14.08	28.81	63.44	483.43

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 4-14: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1996/97

Orthopedic Surgery

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	8	1	9	10	98	165	13	8	46	105	463
# of FTE's	4.43	0.03	2.73	4.64	50.17	71.88	7.84	4.93	21.12	61.14	228.91
Within the Benchmarks											
# Physicians and FTE's	1	1	3	3	55	60	12	5	23	33	196
Above the Higher Benchmark											
# Physicians	6	2	12	13	132	164	7	14	22	10	382
# of FTE's	7.04	2.78	14.54	15.19	158.89	203.70	7.88	19.18	24.88	10.93	465.01
Total Physicians											
# Physicians	15	4	24	26	285	389	32	27	91	148	1,041
# of FTE's	12.47	3.81	20.27	22.83	264.06	335.58	27.72	29.11	69.00	105.07	889.92

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, 1996/97

Plastic Surgery

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	1	0	5	4	47	59	6	6	16	28	172
# of FTE's	0.64	0.00	3.85	2.32	25.59	21.18	3.36	3.13	10.39	18.13	88.59
Within the Benchmarks											
# Physicians and FTE's	0	0	3	7	25	21	1	3	4	15	79
Above the Higher Benchmark											
# Physicians	1	0	2	3	36	77	7	6	14	10	156
# of FTE's	1.40	0.00	2.47	3.20	44.15	98.74	8.94	7.78	17.29	11.29	195.26
Total Physicians											
# Physicians	2	0	10	14	108	157	14	15	34	53	407
# of FTE's	2.04	0.00	9.32	12.52	94.74	140.92	13.30	13.91	31.68	44.42	362.85

Source: NPDB, CIHI

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

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

Notes

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

Base year 1995/96.

Based on gross payments.

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

Table 4-16: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1996/97

Neurosurgery

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	1	0	5	6	27	38	3	3	2	12	97
# of FTE's	0.30	0.00	0.88	1.49	8.99	13.32	1.58	2.30	1.33	6.49	36.68
Within the Benchmarks											
# Physicians and FTE's	0	0	1	2	10	15	4	0	3	10	45
Above the Higher Benchmark											
# Physicians	2	0	0	0	24	27	0	4	9	6	72
# of FTE's	3.58	0.00	0.00	0.00	31.55	34.50	0.00	6.23	10.48	7.84	94.18
Total Physicians											
# Physicians	3	0	6	8	61	80	7	7	14	28	214
# of FTE's	3.88	0.00	1.88	3.49	50.54	62.82	5.58	8.53	14.81	24.33	175.86

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, 1996/97

Ophthalmology

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	5	1	14	9	108	178	14	8	45	100	482
# of FTE's	2.59	0.23	9.15	5.91	65.91	82.45	6.70	2.59	23.62	51.87	251.02
Within the Benchmarks											
# Physicians and FTE's	1	3	11	8	74	51	4	0	8	36	196
Above the Higher Benchmark											
# Physicians	7	0	19	12	95	217	11	18	35	45	459
# of FTE's	8.06	0.00	22.60	16.55	108.47	302.34	13.74	29.16	49.90	59.08	609.90
Total Physicians											
# Physicians	13	4	44	29	277	446	29	26	88	181	1,137
# of FTE's	11.65	3.23	42.75	30.46	248.38	435.79	24.44	31.75	81.52	146.95	1,056.92

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 4-18: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1996/97

Otolaryngology

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	2	0	19	7	89	84	18	4	12	51	286
# of FTE's	0.97	0.00	8.84	4.16	49.66	31.84	10.34	2.99	6.55	30.62	145.97
Within the Benchmarks											
# Physicians and FTE's	1	2	4	7	40	37	2	0	10	18	121
Above the Higher Benchmark											
# Physicians	5	0	2	3	58	112	0	7	11	5	203
# of FTE's	6.36	0.00	2.09	3.88	65.74	145.66	0.00	11.29	13.58	5.41	254.01
Total Physicians											
# Physicians	8	2	25	17	187	233	20	11	33	74	610
# of FTE's	8.33	2.00	14.93	15.04	155.40	214.50	12.34	14.28	30.13	54.03	520.98

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 4-19: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1996/97

Obstetrics/Gynecology

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	11	1	31	16	185	239	27	14	68	114	706
# of FTE's	4.95	0.95	16.04	7.48	110.49	115.32	14.91	5.60	31.22	59.37	366.33
Within the Benchmarks											
# Physicians and FTE's	2	1	10	7	85	92	12	3	22	27	261
Above the Higher Benchmark											
# Physicians	10	3	8	11	129	332	20	17	36	17	583
# of FTE's	12.55	3.59	10.26	13.02	151.00	460.60	24.85	22.47	47.14	20.10	765.58
Total Physicians											
# Physicians	23	5	49	34	399	663	59	34	126	158	1,550
# of FTE's	19.50	5.54	36.30	27.50	346.49	667.92	51.76	31.07	100.36	106.47	1,392.91

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 4-20: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1996/97

Specialists

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	135	33	431	183	2,505	3,630	542	205	830	1,395	9,889
# of FTE's	55.56	8.72	186.05	82.38	1,276.21	1,537.45	258.24	103.45	416.69	711.87	4,636.62
Within the Benchmarks											
# Physicians and FTE's	35	12	126	80	1,264	1,466	111	77	320	523	4,014
Above the Higher Benchmark											
# Physicians	137	26	154	160	2,353	4,023	197	203	529	635	8,417
# of FTE's	182.41	33.83	185.17	210.49	2,938.48	5,581.20	257.21	292.38	696.20	793.76	11,171.13
Total Physicians											
# Physicians	307	71	711	423	6,122	9,119	850	485	1,679	2,553	22,320
# of FTE's	272.97	54.55	497.22	372.87	5,478.69	8,584.65	626.45	472.83	1,432.89	2,028.63	19,821.75

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, 1996/97

Total Physicians

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	446	72	935	478	5,420	7,965	1,007	571	1,954	4,009	22,857
# of FTE's	121.95	17.69	394.66	196.46	2,627.74	3,379.48	422.33	237.42	995.62	1,979.49	10,372.84
Within the Benchmarks											
# Physicians and FTE's	91	28	310	174	2,465	3,075	237	175	819	1,531	8,905
Above the Higher Benchmark											
# Physicians	328	85	416	394	4,647	8,786	534	630	1,344	1,584	18,748
# of FTE's	451.29	115.14	511.18	516.79	5,729.56	12,018.58	702.65	889.41	1,739.67	1,941.05	24,615.32
Total Physicians											
# Physicians	865	185	1,661	1,046	12,532	19,826	1,778	1,376	4,117	7,124	50,510
# of FTE's	664.24	160.83	1,215.84	887.25	10,822.30	18,473.06	1,361.98	1,301.83	3,554.29	5,451.54	43,893.16

Source: NPDB, CIHI

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

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

Notes

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

Base year 1995/96.

Based on gross payments.

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

Table 5-1: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1997/98

Family Medicine

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	302	42	504	282	2,716	4,011	467	343	1,060	2,675	12,402
# of FTE's	67.96	11.09	207.47	128.98	1,292.76	1,735.01	173.90	128.56	563.35	1,273.28	5,582.36
Within the Benchmarks											
# Physicians and FTE's	46	13	192	90	1,158	1,577	142	97	488	1,017	4,820
Above the Higher Benchmark											
# Physicians	211	59	207	224	2,349	4,885	305	402	886	1,075	10,603
# of FTE's	298.29	78.99	256.49	291.37	2,855.84	6,665.81	404.86	562.42	1,142.91	1,312.63	13,869.61
Total Physicians											
# Physicians	559	114	903	596	6,223	10,473	914	842	2,434	4,767	27,825
# of FTE's	412.25	103.08	655.96	510.35	5,306.60	9,977.82	720.76	787.98	2,194.26	3,602.91	24,271.97

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 5-2: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1997/98

Medical Specialists

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	85	28	262	86	1,500	2,413	398	136	591	824	6,323
# of FTE's	33.31	5.86	109.77	32.66	776.18	1,014.34	179.11	63.22	297.33	385.79	2,897.57
Within the Benchmarks											
# Physicians and FTE's	39	10	84	39	843	1,001	62	53	197	294	2,622
Above the Higher Benchmark											
# Physicians	87	10	81	101	1,674	2,761	121	98	360	522	5,815
# of FTE's	119.53	12.03	97.40	138.78	2,142.79	3,995.20	164.72	144.10	484.76	662.35	7,961.66
Total Physicians											
# Physicians	211	48	427	226	4,017	6,175	581	287	1,148	1,640	14,760
# of FTE's	191.84	27.89	291.17	210.44	3,761.97	6,010.54	405.83	260.32	979.09	1,342.14	13,481.23

Source: NPDB, CIHI

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

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

Notes

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

Base year 1995/96.

Based on gross payments.

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

Table 5-3: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1997/98

Internal Medicine

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	30	10	94	26	584	902	141	49	211	230	2,277
# of FTE's	9.55	2.15	44.72	8.10	304.61	373.26	58.29	19.73	99.16	101.23	1,020.80
Within the Benchmarks											
# Physicians and FTE's	13	5	37	18	372	335	24	15	48	100	967
Above the Higher Benchmark											
# Physicians	40	5	29	41	642	1,015	43	45	136	188	2,184
# of FTE's	55.58	5.74	34.76	60.25	802.55	1,592.86	63.61	69.40	190.36	251.54	3,126.65
Total Physicians											
# Physicians	83	20	160	85	1,598	2,252	208	109	395	518	5,428
# of FTE's	78.13	12.89	116.48	86.35	1,479.16	2,301.12	145.90	104.13	337.52	452.77	5,114.45

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 5-4: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1997/98

Neurology and EEG

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	3	3	9	2	73	77	10	3	31	29	240
# of FTE's	0.73	0.39	5.06	0.16	38.18	33.95	3.66	0.70	15.31	13.45	111.59
Within the Benchmarks											
# Physicians and FTE's	4	0	2	0	42	36	3	3	11	17	118
Above the Higher Benchmark											
# Physicians	2	0	3	9	83	78	8	7	7	23	220
# of FTE's	2.56	0.00	3.75	13.46	113.34	125.51	10.55	10.88	10.23	28.65	318.93
Total Physicians											
# Physicians	9	3	14	11	198	191	21	13	49	69	578
# of FTE's	7.29	0.39	10.81	13.62	193.52	195.46	17.21	14.58	36.54	59.10	548.52

Source: NPDB, CIHI

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

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

Notes

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

Base year 1995/96.

Based on gross payments.

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

Table 5-5: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1997/98

Psychiatry and Neuropsychiatry

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	6	5	59	25	419	649	72	20	80	281	1,616
# of FTE's	1.16	0.98	18.39	9.06	214.38	298.21	33.97	7.51	40.17	148.08	771.91
Within the Benchmarks											
# Physicians and FTE's	6	3	14	3	170	310	21	9	42	77	655
Above the Higher Benchmark											
# Physicians	23	1	15	12	333	762	34	13	117	76	1,386
# of FTE's	33.71	1.51	19.26	17.05	443.08	1,036.98	43.50	22.66	154.03	92.00	1,863.78
Total Physicians											
# Physicians	35	9	88	40	922	1,721	127	42	239	434	3,657
# of FTE's	40.87	5.49	51.65	29.11	827.46	1,645.19	98.47	39.17	236.20	317.08	3,290.69

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 5-6: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1997/98

Pediatrics

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	23	6	36	12	174	364	59	23	123	109	929
# of FTE's	9.96	0.11	10.76	3.18	79.18	96.91	24.40	12.07	53.55	35.00	325.12
Within the Benchmarks											
# Physicians and FTE's	6	0	6	4	155	129	10	8	39	38	395
Above the Higher Benchmark											
# Physicians	9	2	4	13	209	365	33	10	47	34	726
# of FTE's	12.54	2.59	4.59	17.30	274.92	535.20	43.49	13.79	62.44	43.03	1,009.89
Total Physicians											
# Physicians	38	8	46	29	538	858	102	41	209	181	2,050
# of FTE's	28.50	2.70	21.35	24.48	509.10	761.11	77.89	33.86	154.99	116.03	1,730.01

Source: NPDB, CIHI

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

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

Notes

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

Base year 1995/96.

Based on gross payments.

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

Table 5-7: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1997/98

Dermatology

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	6	1	10	6	71	85	8	4	12	33	236
# of FTE's	1.67	0.73	6.24	4.12	47.47	41.71	4.68	2.04	6.97	18.25	133.88
Within the Benchmarks											
# Physicians and FTE's	1	0	0	1	37	18	2	3	6	13	81
Above the Higher Benchmark											
# Physicians	2	0	1	0	74	96	1	0	15	13	202
# of FTE's	2.22	0.00	1.15	0.00	86.11	124.07	1.17	0.00	20.83	15.80	251.35
Total Physicians											
# Physicians	9	1	11	7	182	199	11	7	33	59	519
# of FTE's	4.89	0.73	7.39	5.12	170.58	183.78	7.85	5.04	33.80	47.05	466.23

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 5-8: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1997/98

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	7	2	15	49	8	3	21	35	142
# of FTE's	0.01	0.16	3.45	0.42	6.62	22.14	4.69	1.92	9.95	10.19	59.55
Within the Benchmarks											
# Physicians and FTE's	0	0	3	0	5	26	2	0	1	5	42
Above the Higher Benchmark											
# Physicians	0	0	1	3	49	51	2	1	1	0	108
# of FTE's	0.00	0.00	1.06	3.81	77.29	79.20	2.40	1.01	2.99	0.00	167.76
Total Physicians											
# Physicians	1	1	11	5	69	126	12	4	23	40	292
# of FTE's	0.01	0.16	7.51	4.23	88.91	127.34	9.09	2.93	13.94	15.19	269.31

Source: NPDB, CIHI

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

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

Notes

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

Base year 1995/96.

Based on gross payments.

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

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

Table 5-9: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1997/98

Anesthesia

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	16	2	47	13	164	287	100	34	113	107	883
# of FTE's	10.23	1.34	21.15	7.62	85.74	148.16	49.42	19.25	72.22	59.59	474.72
Within the Benchmarks											
# Physicians and FTE's	9	2	22	13	62	147	0	15	50	44	364
Above the Higher Benchmark											
# Physicians	11	2	28	23	284	394	0	22	37	188	989
# of FTE's	12.92	2.19	32.83	26.91	345.50	501.38	0.00	26.36	43.88	231.33	1,223.30
Total Physicians											
# Physicians	36	6	97	49	510	828	100	71	200	339	2,236
# of FTE's	32.15	5.53	75.98	47.53	493.24	796.54	49.42	60.61	166.10	334.92	2,062.02

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 5-10: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1997/98

Surgical Specialists

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	47	11	121	84	778	1,057	163	79	264	530	3,134
# of FTE's	18.79	4.52	61.63	42.84	434.15	445.43	82.19	34.33	133.04	291.28	1,548.20
Within the Benchmarks											
# Physicians and FTE's	11	7	54	47	420	385	50	30	105	195	1,304
Above the Higher Benchmark											
# Physicians	57	11	73	71	765	1,498	67	101	199	206	3,048
# of FTE's	72.60	14.32	91.70	85.75	913.38	2,030.45	83.28	140.89	256.90	249.40	3,938.67
Total Physicians											
# Physicians	115	29	248	202	1,963	2,940	280	210	568	931	7,486
# of FTE's	102.39	25.84	207.33	175.59	1,767.53	2,860.88	215.47	205.22	494.94	735.68	6,790.87

Source: NPDB, CIHI

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

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

Notes

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

Base year 1995/96.

Based on gross payments.

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

Table 5-11: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1997/98

General Surgery

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	12	3	28	15	203	294	54	27	54	94	784
# of FTE's	1.94	0.89	13.27	6.58	99.31	117.97	23.96	12.88	23.66	47.36	347.82
Within the Benchmarks											
# Physicians and FTE's	1	1	8	6	103	96	7	11	23	42	298
Above the Higher Benchmark											
# Physicians	19	7	23	18	183	388	21	24	51	64	798
# of FTE's	24.90	9.41	29.80	21.09	224.07	522.99	26.06	30.70	62.65	77.19	1,028.86
Total Physicians											
# Physicians	32	11	59	39	489	778	82	62	128	200	1,880
# of FTE's	27.84	11.30	51.07	33.67	426.38	736.96	57.02	54.58	109.31	166.55	1,674.68

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 5-12: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1997/98

Thoracic/Cardiovascular Surgery

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	4	0	2	10	17	12	9	1	7	9	71
# of FTE's	2.01	0.00	1.70	5.96	12.08	6.03	4.76	0.00	3.06	6.18	41.78
Within the Benchmarks											
# Physicians and FTE's	0	0	3	1	6	1	3	1	1	10	26
Above the Higher Benchmark											
# Physicians	1	0	7	3	41	13	1	5	11	1	83
# of FTE's	1.08	0.00	8.94	3.12	52.28	16.14	1.16	7.59	14.52	1.28	106.11
Total Physicians											
# Physicians	5	0	12	14	64	26	13	7	19	20	180
# of FTE's	3.09	0.00	13.64	10.08	70.36	23.17	8.92	8.59	18.58	17.46	173.89

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 5-13: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1997/98

Urology

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	2	1	12	12	51	69	15	5	10	30	207
# of FTE's	0.99	0.82	10.01	6.72	34.37	28.81	9.25	3.12	5.37	19.45	118.91
Within the Benchmarks											
# Physicians and FTE's	0	0	6	6	31	31	2	6	13	14	109
Above the Higher Benchmark											
# Physicians	6	0	3	3	48	114	3	4	9	25	215
# of FTE's	7.12	0.00	3.63	3.92	54.03	147.91	3.43	5.20	10.37	30.38	265.99
Total Physicians											
# Physicians	8	1	21	21	130	214	20	15	32	69	531
# of FTE's	8.11	0.82	19.64	16.64	119.40	207.72	14.68	14.32	28.74	63.83	493.90

Source: NPDB, CIHI

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

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

Notes

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

Base year 1995/96.

Based on gross payments.

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

Table 5-14: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1997/98

Orthopedic Surgery

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	7	1	6	9	98	149	17	10	55	104	456
# of FTE's	3.43	0.05	1.14	4.73	49.97	69.20	8.06	4.10	28.89	60.40	229.97
Within the Benchmarks											
# Physicians and FTE's	3	1	3	5	42	60	11	4	24	33	186
Above the Higher Benchmark											
# Physicians	5	2	14	13	142	174	8	14	16	11	399
# of FTE's	5.68	2.61	16.70	15.06	171.79	219.58	9.15	18.58	18.35	11.53	489.03
Total Physicians											
# Physicians	15	4	23	27	282	383	36	28	95	148	1,041
# of FTE's	12.11	3.66	20.84	24.79	263.76	348.78	28.21	26.68	71.24	104.93	905.00

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 5-15: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1997/98

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	5	3	49	42	3	5	18	28	155
# of FTE's	0.87	0.00	4.04	1.75	27.58	15.67	2.41	2.33	11.69	17.54	83.88
Within the Benchmarks											
# Physicians and FTE's	0	0	2	6	20	16	3	4	5	15	71
Above the Higher Benchmark											
# Physicians	1	0	2	5	34	86	6	6	12	10	162
# of FTE's	1.37	0.00	2.80	5.38	42.79	111.79	7.97	7.72	15.77	11.06	206.65
Total Physicians											
# Physicians	3	0	9	14	103	144	12	15	35	53	388
# of FTE's	2.24	0.00	8.84	13.13	90.37	143.46	13.38	14.05	32.46	43.60	361.53

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 5-16: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1997/98

Neurosurgery

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	0	0	5	5	24	37	5	5	3	14	98
# of FTE's	0.00	0.00	0.47	1.46	11.08	11.79	3.22	2.28	1.84	8.63	40.77
Within the Benchmarks											
# Physicians and FTE's	0	0	0	2	7	12	2	0	6	4	33
Above the Higher Benchmark											
# Physicians	3	0	0	0	27	32	0	3	7	10	82
# of FTE's	4.30	0.00	0.00	0.00	34.85	41.96	0.00	4.69	8.00	11.72	105.52
Total Physicians											
# Physicians	3	0	5	7	58	81	7	8	16	28	213
# of FTE's	4.30	0.00	0.47	3.46	52.93	65.75	5.22	6.97	15.84	24.35	179.29

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 5-17: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1997/98

Ophthalmology

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	5	1	15	11	99	157	14	8	41	88	439
# of FTE's	2.97	0.22	6.44	6.67	56.84	66.69	5.87	1.91	21.52	45.32	214.45
Within the Benchmarks											
# Physicians and FTE's	3	3	17	2	78	54	4	1	9	36	207
Above the Higher Benchmark											
# Physicians	5	0	16	16	101	227	11	19	37	53	485
# of FTE's	5.99	0.00	19.83	21.09	116.57	328.77	14.40	30.47	53.57	69.10	659.79
Total Physicians											
# Physicians	13	4	48	29	278	438	29	28	87	177	1,131
# of FTE's	11.96	3.22	43.27	29.76	251.41	449.46	24.27	33.38	84.09	150.42	1,081.24

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 5-18: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1997/98

Otolaryngology

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	2	0	18	7	83	82	19	3	12	46	272
# of FTE's	1.39	0.00	9.02	5.23	51.42	32.88	10.06	2.35	5.27	25.20	142.82
Within the Benchmarks											
# Physicians and FTE's	1	2	5	6	38	29	2	0	5	19	107
Above the Higher Benchmark											
# Physicians	7	0	0	3	58	117	0	7	17	10	219
# of FTE's	8.92	0.00	0.00	3.98	65.80	157.95	0.00	11.21	21.14	11.21	280.21
Total Physicians											
# Physicians	10	2	23	16	179	228	21	10	34	75	598
# of FTE's	11.31	2.00	14.02	15.21	155.22	219.83	12.06	13.56	31.41	55.41	530.03

Source: NPDB, CIHI

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

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

Notes

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

Base year 1995/96.

Based on gross payments.

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

Table 5-19: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1997/98

Obstetrics/Gynecology

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	13	5	30	12	154	215	27	15	64	117	652
# of FTE's	5.19	2.54	15.54	3.74	91.50	96.39	14.60	5.36	31.74	61.20	327.80
Within the Benchmarks											
# Physicians and FTE's	3	0	10	13	95	86	16	3	19	22	267
Above the Higher Benchmark											
# Physicians	10	2	8	10	131	347	17	19	39	22	605
# of FTE's	13.24	2.30	10.00	12.11	151.20	483.36	21.11	24.73	52.53	25.93	796.51
Total Physicians											
# Physicians	26	7	48	35	380	648	60	37	122	161	1,524
# of FTE's	21.43	4.84	35.54	28.85	337.70	665.75	51.71	33.09	103.27	109.13	1,391.31

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 5-20: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1997/98

Specialists

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	132	39	383	170	2,278	3,470	561	215	855	1,354	9,457
# of FTE's	52.10	10.38	171.40	75.50	1,210.33	1,459.77	261.30	97.55	430.37	677.07	4,445.77
Within the Benchmarks											
# Physicians and FTE's	50	17	138	86	1,263	1,386	112	83	302	489	3,926
Above the Higher Benchmark											
# Physicians	144	21	154	172	2,439	4,259	188	199	559	728	8,863
# of FTE's	192.13	26.35	189.10	224.53	3,056.17	6,025.65	248.00	284.99	741.66	911.75	11,900.33
Total Physicians											
# Physicians	326	77	675	428	5,980	9,115	861	497	1,716	2,571	22,246
# of FTE's	294.23	53.73	498.50	386.03	5,529.50	8,871.42	621.30	465.54	1,474.03	2,077.82	20,272.10

Source: NPDB, CIHI

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

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

Notes

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

Base year 1995/96.

Based on gross payments.

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

Table 5-21: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1997/98

Total Physicians

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Below the Lower Benchmark											
# Physicians	434	81	887	452	4,994	7,481	1,028	558	1,915	4,029	21,859
# of FTE's	120.06	21.47	378.87	204.48	2,503.09	3,194.78	435.20	226.11	993.72	1,950.35	10,028.13
Within the Benchmarks											
# Physicians and FTE's	96	30	330	176	2,421	2,963	254	180	790	1,506	8,746
Above the Higher Benchmark											
# Physicians	355	80	361	396	4,788	9,144	493	601	1,445	1,803	19,466
# of FTE's	490.42	105.34	445.59	515.90	5,912.01	12,691.46	652.86	847.41	1,884.57	2,224.38	25,769.94
Total Physicians											
# Physicians	885	191	1,578	1,024	12,203	19,588	1,775	1,339	4,150	7,338	50,071
# of FTE's	706.48	156.81	1,154.46	896.38	10,836.10	18,849.24	1,342.06	1,253.52	3,668.29	5,680.73	44,544.07

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 6-1: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1998/99

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	2,368	12,228
# of FTE's	64.33	16.93	207.74	135.77	1,220.49	1,781.84	169.20	149.07	583.34	1,193.08	5,521.79
Within the Benchmarks											
# Physicians and FTE's	65	9	184	89	1,139	1,633	116	104	511	976	4,826
Above the Higher Benchmark											
# Physicians	168	57	199	226	2,449	4,805	323	383	927	1,069	10,606
# of FTE's	236.38	79.91	244.61	293.45	2,973.73	6,487.31	422.32	555.62	1,202.58	1,295.79	13,791.70
Total Physicians											
# Physicians	518	118	879	628	6,196	10,613	881	874	2,540	4,413	27,660
# of FTE's	365.71	105.84	636.35	518.22	5,333.22	9,902.15	707.52	808.69	2,296.92	3,464.87	24,139.49

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 6-2: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1998/99

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	972	6,550
# of FTE's	34.27	4.75	111.75	34.08	757.54	1,067.88	177.86	63.62	297.06	458.42	3,007.23
Within the Benchmarks											
# Physicians and FTE's	32	8	86	35	820	997	74	52	222	356	2,682
Above the Higher Benchmark											
# Physicians	88	13	66	110	1,709	2,728	116	99	384	471	5,784
# of FTE's	120.38	16.26	79.15	151.22	2,191.07	3,907.32	159.44	144.70	516.91	587.46	7,873.91
Total Physicians											
# Physicians	221	49	424	233	3,994	6,230	581	284	1,201	1,799	15,016
# of FTE's	186.65	29.01	276.90	220.30	3,768.61	5,972.20	411.30	260.32	1,035.97	1,401.88	13,563.14

Source: NPDB, CIHI

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

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

Notes

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

Base year 1995/96.

Based on gross payments.

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

Table 6-3: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1998/99

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	278	2,369
# of FTE's	10.23	1.69	44.42	6.18	304.75	403.96	51.56	20.90	100.62	116.64	1,060.95
Within the Benchmarks											
# Physicians and FTE's	12	4	44	9	368	347	30	12	65	137	1,028
Above the Higher Benchmark											
# Physicians	39	7	20	51	638	998	44	49	136	143	2,125
# of FTE's	53.63	8.40	24.18	73.36	794.35	1,551.82	66.05	74.23	195.54	185.13	3,026.69
Total Physicians											
# Physicians	86	20	175	85	1,594	2,274	209	109	412	558	5,522
# of FTE's	75.86	14.09	112.60	88.54	1,467.10	2,302.78	147.61	107.13	361.16	438.77	5,115.64

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 6-4: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1998/99

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	44	268
# of FTE's	0.84	0.36	5.00	0.33	39.67	40.82	3.49	0.36	14.63	21.09	126.59
Within the Benchmarks											
# Physicians and FTE's	2	0	1	0	29	30	3	3	14	20	102
Above the Higher Benchmark											
# Physicians	3	0	3	10	92	78	7	7	7	15	222
# of FTE's	3.72	0.00	3.48	14.84	126.16	122.83	9.43	10.93	10.07	18.95	320.41
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	60.04	549.00

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 6-5: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1998/99

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	304	1,652
# of FTE's	3.54	1.28	19.49	5.61	196.15	324.30	38.05	4.99	47.55	160.66	801.62
Within the Benchmarks											
# Physicians and FTE's	1	2	14	5	189	306	24	11	45	88	685
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	485	3,715
# of FTE's	37.05	4.78	50.06	31.01	839.66	1,615.67	100.36	39.08	251.00	363.14	3,331.81

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.

Table 6-6: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1998/99

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	152	962
# of FTE's	8.77	0.14	6.69	3.30	73.53	96.80	25.37	13.46	54.59	63.88	346.53
Within the Benchmarks											
# Physicians and FTE's	8	0	10	7	136	131	10	7	37	50	396
Above the Higher Benchmark											
# Physicians	8	2	3	11	226	367	32	10	54	25	738
# of FTE's	11.50	2.94	3.51	15.17	297.84	533.53	41.98	12.94	70.46	30.64	1,020.51
Total Physicians											
# Physicians	43	8	30	30	525	865	104	45	219	227	2,096
# of FTE's	28.27	3.08	20.20	25.47	507.37	761.33	77.35	33.40	162.05	144.52	1,763.04

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 6-7: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1998/99

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

* 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 6-8: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1998/99

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	33	133
# of FTE's	0.06	0.17	4.00	0.16	6.42	14.54	3.33	1.99	8.75	11.16	50.58
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	41	295
# of FTE's	0.06	0.17	7.00	3.88	87.48	127.24	9.96	2.99	12.75	19.16	270.69

Source: NPDB, CIHI

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

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

Notes

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

Base year 1995/96.

Based on gross payments.

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

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

Table 6-9: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1998/99

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	117	923
# of FTE's	9.87	0.34	26.06	13.63	95.47	148.45	50.84	20.28	62.58	60.59	488.11
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	230.84	1,256.72
Total Physicians											
# Physicians	44	7	96	55	521	840	96	65	206	348	2,278
# of FTE's	33.82	5.76	70.26	50.36	504.18	798.30	52.84	59.73	173.15	333.43	2,081.83

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 6-10: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1998/99

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	602	3,230
# of FTE's	19.82	4.54	60.93	38.62	407.60	474.54	80.66	34.42	132.11	337.12	1,590.36
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	162	3,028
# of FTE's	70.63	15.83	102.82	89.06	931.79	1,973.73	98.64	142.05	271.08	197.60	3,893.23
Total Physicians											
# Physicians	139	29	264	199	1,906	2,966	278	208	574	988	7,551
# of FTE's	106.45	27.37	212.75	175.68	1,742.39	2,816.27	224.30	201.47	511.19	758.72	6,776.59

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 6-11: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1998/99

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	107	775
# of FTE's	3.17	1.06	10.57	3.57	90.60	115.79	20.67	12.96	26.49	56.27	341.15
Within the Benchmarks											
# Physicians and FTE's	6	1	9	7	103	100	9	5	23	55	318
Above the Higher Benchmark											
# Physicians	14	7	25	20	187	378	20	27	54	46	778
# of FTE's	18.78	9.68	31.84	23.44	224.60	510.19	25.72	35.23	67.21	52.92	999.61
Total Physicians											
# Physicians	40	10	61	41	465	779	77	58	132	208	1,871
# of FTE's	27.95	11.74	51.41	34.01	418.20	725.98	55.39	53.19	116.70	164.19	1,658.76

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 6-12: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1998/99

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	13.36	50.88
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	24.70	184.69

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 6-13: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1998/99

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	37	217
# of FTE's	0.83	0.90	8.64	8.20	28.96	33.21	9.43	1.89	7.90	23.09	123.05
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	25.66	259.96
Total Physicians											
# Physicians	7	1	21	20	131	219	19	16	33	75	542
# of FTE's	7.76	0.90	18.94	17.69	118.74	204.99	14.91	15.12	31.21	66.75	497.01

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 6-14: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1998/99

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	95	455
# of FTE's	4.77	0.07	2.56	2.79	48.78	66.49	9.35	6.49	25.02	52.89	219.21
Within the Benchmarks											
# Physicians and FTE's	4	1	2	7	37	53	9	6	29	48	196
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	116.63	925.13

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 6-15: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1998/99

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

* 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 6-16: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1998/99

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 6-17: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1998/99

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	98	429
# of FTE's	1.80	1.58	5.69	5.56	48.24	69.99	7.82	2.10	20.57	51.88	215.23
Within the Benchmarks											
# Physicians and FTE's	3	1	16	4	60	49	3	1	6	37	180
Above the Higher Benchmark											
# Physicians	6	1	18	15	123	224	11	19	41	43	501
# of FTE's	6.74	1.01	22.73	19.97	146.37	315.09	15.65	30.50	59.18	56.67	673.91
Total Physicians											
# Physicians	15	5	49	27	267	426	29	29	85	178	1,110
# of FTE's	11.54	3.59	44.42	29.53	254.61	434.08	26.47	33.60	85.75	145.55	1,069.14

Source: NPDB, CIHI

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

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

Notes

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

Base year 1995/96.

Based on gross payments.

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

Table 6-18: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1998/99

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	54	274
# of FTE's	0.51	0.00	9.08	3.99	48.57	35.28	10.72	0.75	3.97	32.52	145.39
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	74	596
# of FTE's	12.17	2.00	14.19	14.85	155.71	214.77	12.72	12.84	30.96	53.22	523.43

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 6-19: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1998/99

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	140	722
# of FTE's	6.74	0.93	16.26	5.11	94.50	118.00	15.93	6.61	33.18	78.22	375.48
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	13	578
# of FTE's	11.86	2.41	8.98	17.73	131.75	463.83	25.92	24.98	53.05	15.96	756.47
Total Physicians											
# Physicians	33	7	49	35	365	662	61	36	123	171	1,542
# of FTE's	21.60	5.34	36.24	28.84	323.25	655.83	51.85	34.59	104.23	112.18	1,373.95

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 6-20: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1998/99

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	1,574	9,780
# of FTE's	54.09	9.29	172.68	72.70	1,165.14	1,542.42	258.52	98.04	429.17	795.54	4,597.59
Within the Benchmarks											
# Physicians and FTE's	48	15	135	83	1,223	1,365	119	77	330	580	3,975
Above the Higher Benchmark											
# Physicians	144	25	148	184	2,491	4,201	194	199	593	633	8,812
# of FTE's	191.01	32.09	181.97	240.28	3,122.86	5,881.05	258.08	286.75	787.99	785.06	11,767.14
Total Physicians											
# Physicians	360	78	688	432	5,900	9,196	859	492	1,775	2,787	22,567
# of FTE's	293.10	56.38	489.65	395.98	5,511.00	8,788.47	635.60	461.79	1,547.16	2,160.60	20,339.73

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 6-21: Full-Time Equivalent Fee-for-Service Physicians, Canada and the Provinces, 1998/99

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	3,942	22,008
# of FTE's	118.42	26.22	380.42	208.47	2,385.63	3,324.26	427.72	247.11	1,012.51	1,988.62	10,119.38
Within the Benchmarks											
# Physicians and FTE's	113	24	319	172	2,362	2,998	235	181	841	1,556	8,801
Above the Higher Benchmark											
# Physicians	312	82	347	410	4,940	9,006	517	582	1,520	1,702	19,418
# of FTE's	427.39	112.00	426.58	533.73	6,096.59	12,368.36	680.40	842.37	1,990.57	2,080.85	25,558.84
Total Physicians											
# Physicians	878	196	1,567	1,060	12,096	19,809	1,740	1,366	4,315	7,200	50,227
# 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	5,625.47	44,479.22

Source: NPDB, CIHI

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

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

Notes

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

Base year 1995/96.

Based on gross payments.

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

Appendix A

Net Population Estimates

Table A1. Statistics Canada Net Population Estimates for Canada, by Provinces, 1996 to 1998

Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
1996 (PP)	566.8	137.5	932.6	757.3	7,379.6	11,267.9	1,139.7	1,020.6	2,790.7	3,866.7	29,859.4
1997 (PD)	550.2	136.9	924.1	749.4	7,295.3	11,272.3	1,131.4	1,019.1	2,843.1	3,963.9	29,885.7
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

* 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.

PD=Final postcensal estimates.

PR=Updated postcensal estimates.

PP=Preliminary postcensal estimates.

The estimates for 1996 are based on 1991 census counts for 1997 and 1998 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
Chalottetown, 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

Mr. Thorsten Duebel
Physician Services
Alberta Health
P.O. Box 1360, STN Main
16th Floor, 10025 Jasper Avenue
Edmonton, Alberta
T5J 2N3
Phone: (780) 415-0215
Fax: (780) 415-1094
Email: thorsten.duebel@health.gov.ab.ca

BRITISH COLUMBIA

Mr. Rick Whittaker
Information and Analysis Branch
Ministry of Health
1515 Blanshard Street
Victoria, British Columbia
V8W 3C8
Phone: (250) 952-0969
Fax: (250) 952-0979

YUKON

Ms. Joanne Fairlie
Health Care Insurance Services
Yukon Government
P.O. Box 2703
2071 2nd Avenue
Whitehorse, Yukon
Y1A 2C6
Phone: (867) 667-5202
Fax: (867) 393-6486

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 Electromiography
- 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, 1996/97

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Family Medicine	1,449	1,294	1,298	1,472	1,381	1,140	1,549	1,231	1,315	1,130	1,240
Medical Specialties	3,245	5,181	3,217	3,733	1,991	1,950	2,783	3,861	2,927	2,967	2,278
Internal Medicine	7,536	11,662	8,189	9,049	5,078	5,162	8,046	9,971	8,721	8,925	6,072
Neurology	72,020	1,718,750	83,716	56,684	39,771	59,417	64,064	70,924	79,394	65,693	55,934
Psychiatry	14,393	26,699	18,109	27,085	9,022	6,988	11,183	24,784	11,388	12,409	9,176
Pediatrics	25,236	45,987	38,096	31,699	14,675	15,419	14,323	29,548	18,952	33,883	17,742
Dermatology	149,551	178,571	126,198	146,764	43,671	63,819	129,511	197,791	84,286	88,060	65,823
Physical Medicine	n/a	763,889	115,564	180,740	84,050	93,642	128,925	392,538	201,204	246,601	114,159
Anesthesia	21,825	24,642	12,701	16,980	15,041	14,714	22,365	15,915	17,553	11,872	14,887
Surgical Specialties	5,767	4,909	4,498	4,454	4,166	4,015	5,254	4,896	5,820	5,329	4,449
General Surgery	19,194	10,982	17,474	24,156	17,370	15,562	19,445	19,020	26,480	23,484	18,010
Thoracic/Cardiovascular Surgery	179,937	n/a	78,304	73,169	107,527	504,382	129,511	84,487	157,046	238,980	174,402
Urology	73,230	151,099	56,215	45,953	62,280	55,644	79,201	72,486	96,866	60,951	61,766
Orthopedic Surgery	45,453	36,089	46,009	33,171	27,947	33,577	41,115	35,060	40,445	36,801	33,553
Plastic Surgery	277,843	n/a	100,064	60,487	77,893	79,960	85,692	73,372	88,090	87,049	82,291
Neurosurgery	146,082	n/a	496,064	216,991	146,015	179,368	204,247	119,648	188,433	158,927	169,791
Ophthalmology	48,652	42,570	21,815	24,862	29,711	25,856	46,633	32,145	34,233	26,313	28,251
Otolaryngology	68,043	68,750	62,465	50,352	47,488	52,531	92,358	71,471	92,622	71,566	57,314
Obstetrics/Gynecology	29,067	24,819	25,691	27,538	21,298	16,870	22,019	32,848	27,807	36,317	21,437
Total Specialties	2,076	2,521	1,876	2,031	1,347	1,313	1,819	2,158	1,948	1,906	1,506
Total Physicians	853	855	767	854	682	610	837	784	785	709	680

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, 1997/98

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Family Medicine	1,335	1,328	1,409	1,468	1,375	1,130	1,570	1,293	1,296	1,100	1,231
Medical Specialties	2,868	4,909	3,174	3,561	1,939	1,875	2,788	3,915	2,904	2,953	2,217
Internal Medicine	7,042	10,621	7,934	8,679	4,932	4,899	7,755	9,787	8,424	8,755	5,843
Neurology	75,473	351,026	85,486	55,022	37,698	57,671	65,741	69,897	77,808	67,071	54,484
Psychiatry	13,462	24,936	17,892	25,744	8,816	6,852	11,490	26,017	12,037	12,501	9,082
Pediatrics	19,305	50,704	43,283	30,613	14,330	14,810	14,526	30,097	18,344	34,163	17,275
Dermatology	112,515	187,534	125,047	146,367	42,768	61,336	144,127	202,202	84,115	84,249	64,101
Physical Medicine	55,020,000	855,625	123,049	177,163	82,053	88,521	124,466	347,816	203,953	260,955	110,971
Anesthesia	17,114	24,756	12,162	15,767	14,791	14,152	22,894	16,814	17,117	11,835	14,493
Surgical Specialties	5,374	5,298	4,457	4,268	4,127	3,940	5,251	4,966	5,744	5,388	4,401
General Surgery	19,763	12,115	18,095	22,257	17,110	15,296	19,842	18,672	26,010	23,800	17,846
Thoracic/Cardiovascular Surgery	178,058	n/a	67,749	74,345	103,685	486,504	126,839	118,638	153,019	227,027	171,866
Urology	67,842	166,951	47,052	45,036	61,100	54,267	77,071	71,166	98,925	62,101	60,510
Orthopedic Surgery	45,434	37,404	44,343	30,230	27,659	32,319	40,106	38,197	39,909	37,777	33,023
Plastic Surgery	245,625	n/a	104,536	57,075	80,727	78,575	84,559	72,534	87,588	90,915	82,665
Neurosurgery	127,953	n/a	1,966,170	216,590	137,829	171,442	216,743	146,212	179,489	162,789	166,689
Ophthalmology	46,003	42,516	21,357	25,181	29,018	25,080	46,617	30,530	33,810	26,352	27,640
Otolaryngology	48,647	68,450	65,913	49,270	47,000	51,277	93,814	75,155	90,516	71,538	56,385
Obstetrics/Gynecology	25,674	28,285	26,002	25,976	21,603	16,932	21,880	30,798	27,531	36,323	21,480
Total Specialties	1,870	2,548	1,854	1,941	1,319	1,271	1,821	2,189	1,929	1,908	1,474
Total Physicians	779	873	800	836	673	598	843	813	775	698	671

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 5-1 to 5-21 for detailed footnotes by specialty.

Table E-3: Population per Full-Time Equivalent Fee-for-Service Physician by Specialty, Canada and the Provinces, 1998/99

	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	1,152	1,248
Medical Specialties	2,909	4,723	3,350	3,400	1,941	1,908	2,759	3,936	2,813	2,848	2,222
Internal Medicine	7,158	9,723	8,237	8,459	4,987	4,948	7,687	9,564	8,068	9,100	5,890
Neurology	82,774	380,556	97,838	49,374	37,554	58,840	71,275	71,700	75,297	66,501	54,888
Psychiatry	14,656	28,661	18,528	24,153	8,714	7,052	11,306	26,218	11,610	10,995	9,044
Pediatrics	19,208	44,481	45,916	29,407	14,421	14,966	14,670	30,677	17,982	27,627	17,092
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	208,387	111,321
Anesthesia	16,056	23,785	13,201	14,873	14,512	14,273	21,474	17,154	16,829	11,975	14,474
Surgical Specialties	5,101	5,005	4,360	4,263	4,199	4,046	5,059	5,086	5,700	5,262	4,447
General Surgery	19,428	11,670	18,041	22,023	17,495	15,695	20,486	19,263	24,970	24,318	18,166
Thoracic/Cardiovascular Surgery	118,043	n/a	61,587	73,431	109,432	472,989	98,413	108,653	159,934	161,648	163,157
Urology	69,974	152,222	48,970	42,340	61,619	55,585	76,103	67,765	93,368	59,816	60,629
Orthopedic Surgery	38,483	36,053	40,769	31,247	27,718	32,472	36,889	41,532	39,609	34,234	32,572
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	27,432	28,185
Otolaryngology	44,618	68,500	65,363	50,438	46,989	53,053	89,206	79,798	94,121	75,023	57,569
Obstetrics/Gynecology	25,139	25,655	25,593	25,971	22,634	17,374	21,884	29,621	27,957	35,592	21,932
Total Specialties	1,853	2,430	1,894	1,892	1,328	1,297	1,785	2,219	1,883	1,848	1,482
Total Physicians	824	845	824	819	675	610	845	806	758	710	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 6-1 to 6-21 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, 1996/97

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Family Medicine	69	77	77	68	72	88	65	81	76	89	81
Medical Specialties	31	19	31	27	50	51	36	26	34	34	44
Internal Medicine	13	9	12	11	20	19	12	10	11	11	16
Neurology	1	0	1	2	3	2	2	1	1	2	2
Psychiatry	7	4	6	4	11	14	9	4	9	8	11
Pediatrics	4	2	3	3	7	6	7	3	5	3	6
Dermatology	1	1	1	1	2	2	1	1	1	1	2
Physical Medicine	n/a	0	1	1	1	1	1	0	0	0	1
Anesthesia	5	4	8	6	7	7	4	6	6	8	7
Surgical Specialties	17	20	22	22	24	25	19	20	17	19	22
General Surgery	5	9	6	4	6	6	5	5	4	4	6
Thoracic/Cardiovascular Surgery	1	n/a	1	1	1	0	1	1	1	0	1
Urology	1	1	2	2	2	2	1	1	1	2	2
Orthopedic Surgery	2	3	2	3	4	3	2	3	2	3	3
Plastic Surgery	0	n/a	1	2	1	1	1	1	1	1	1
Neurosurgery	1	n/a	0	0	1	1	0	1	1	1	1
Ophthalmology	2	2	5	4	3	4	2	3	3	4	4
Otolaryngology	1	1	2	2	2	2	1	1	1	1	2
Obstetrics/Gynecology	3	4	4	4	5	6	5	3	4	3	5
Total Specialties	48	40	53	49	74	76	55	46	51	52	66
Total Physicians	117	117	130	117	147	164	120	128	127	141	147

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, 1997/98

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada*
Family Medicine	75	75	71	68	73	89	64	77	77	91	81
Medical Specialties	35	20	32	28	52	53	36	26	34	34	45
Internal Medicine	14	9	13	12	20	20	13	10	12	11	17
Neurology	1	0	1	2	3	2	2	1	1	1	2
Psychiatry	7	4	6	4	11	15	9	4	8	8	11
Pediatrics	5	2	2	3	7	7	7	3	5	3	6
Dermatology	1	1	1	1	2	2	1	0	1	1	2
Physical Medicine	0	0	1	1	1	1	1	0	0	0	1
Anesthesia	6	4	8	6	7	7	4	6	6	8	7
Surgical Specialties	19	19	22	23	24	25	19	20	17	19	23
General Surgery	5	8	6	4	6	7	5	5	4	4	6
Thoracic/Cardiovascular Surgery	1	n/a	1	1	1	0	1	1	1	0	1
Urology	1	1	2	2	2	2	1	1	1	2	2
Orthopedic Surgery	2	3	2	3	4	3	2	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	0	1	1	1	1
Ophthalmology	2	2	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	5	6	5	3	4	3	5
Total Specialties	53	39	54	52	76	79	55	46	52	52	68
Total Physicians	128	115	125	120	149	167	119	123	129	143	149

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 5-1 to 5-21 for detailed footnotes by specialty.

Table F-3: Full-Time Equivalent Fee-for-Service Physicians per 100,000 Population by Specialty, Canada and the Provinces, 1998/99

	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	35	45
Internal Medicine	14	10	12	12	20	20	13	10	12	11	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	22
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	54	67
Total Physicians	121	118	121	122	148	164	118	124	132	141	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 6-1 to 6-21 for detailed footnotes by specialty.

Appendix G

Revisions to the NPDB Full-Time Equivalent Benchmark

Revisions to the NPDB Full-Time Equivalent Benchmarks

Introduction

The full-time equivalent benchmarks were originally defined in fiscal 1985/86. At the national level the benchmarks measured the 40th and 60th percentiles of fee-for-service billings by physicians who had fee-for-service billings in all four quarters of the 1985/86 fiscal year. Administrative data from each province were standardized for differences in fee levels before calculating the benchmarks (see methodology). National benchmarks were converted to provincial values by multiplying the national benchmarks by a provincial fee index for each specialty¹.

Consistency of the benchmarks through time was one of the key objectives of the methodology. Accordingly, provincial benchmarks are adjusted each year by indexes of fee changes for each specialty. This approach means that a physician who performed approximately the same number and type of services each year would have the same FTE count from year-to-year. The use of a consistent standard as the basis for measuring FTEs provides a means to assess changes in workload—which would not be possible if the standard were redefined each year.

Physician workloads and practice styles change over time, making it appropriate to revise the benchmarks at certain intervals in order to measure FTE status based on current practice. CIHI has recalculated the FTE benchmarks for the 1995/96 fiscal year. FTE counts based on the new benchmarks are included in this publication.

Comparison of 1985/86 and 1995/96 Benchmarks.

National FTE benchmarks for each specialty reported in NPDB are shown in Table G1, along with an analysis of the effects of fee and utilization changes during the ten year interval. Fee changes shown in Table G1 are a composite of annual changes in each of the provinces, using fixed weights for each province. Within provinces, however, service weights can change each year within a given specialty.

Cumulative fee changes for Family Medicine were just over 34% from 1985/86 to 1995/96. These fee changes would have increased the benchmarks to approximately \$116.7 and \$151.2 thousand if there had been no changes in utilization during the 10 year interval. Comparing actual 1995/96 benchmarks to these simulated levels indicates that utilization (i.e. physician services weighted by fees) has decreased by 4.2% at the 40th percentile and by 2.0% at the 60th percentile.

The fact that utilization has a negative effect on the Family Medicine benchmarks means that FTE counts produced by the new benchmarks are higher than FTE counts produced by the previous benchmarks, which were indexed in each province by fee changes. This means that the 'normal' fee-weighted service outputs of Canadian family practitioners decreased somewhat between 1985/86 and 1995/96. In effect, approximately 24,000

¹ *Physician Services Benefit Rate Report*. CIHI.

FTEs in 1995/96 would generate the same level of fee-for-service billings at constant fees as 23,700 FTEs in 1985/86 (Table G2).

Family Medicine is one of only three specialties where utilization has had a negative effect on the FTE benchmarks. Neurology, Physical Medicine and Neurosurgery show a negative utilization effect for their lower benchmarks and a small positive effect for their upper benchmarks. This could be interpreted to mean that the distribution of physicians by amounts billed has changed somewhat, with physicians at the 40th percentile billing less, at constant prices, and physicians at the 60th percentile billing more than in 1985/86.

Ten of the sixteen medical and surgical specialties have utilization effects over 12% at both the lower and the upper benchmarks and six have utilization effects over 20% at one or both of the benchmarks. This means output increased between 1985/86 and 1995/96.

While it is a straightforward proposition to make a mathematical interpretation of the fee and utilization effects in a comparison of benchmarks, there are a number of factors that could explain differences in billing patterns. In the FTE analysis these explanatory factors are grouped under the heading, 'utilization effects', although the factors themselves are diverse. It is quite likely that some of the factors listed below were present, either singly or in combination, in most of the specialties. These factors affect both the benchmarks and the FTE counts.

- Physicians could be working shorter hours, in the case of negative utilization effects, or longer hours in the case of positive utilization effects.
- Fee changes could have impacted certain services to a greater extent than others, changing the income distribution within a specialty.
- Practice patterns could have changed, reflecting professional practice and lifestyle choices. For example, physicians in some specialties may be providing services more efficiently; or they may have switched to services with higher fees (a phenomenon sometimes referred to as 'utilization creep'). Higher numbers of women in medicine could change both average hours worked and the type of services provided within a specialty.
- An increase in the numbers of physicians participating in alternative payment plans could have changed the fee-for-service payment distribution. Academic block funding, for example, would have moved a number of physicians from fee-for-service billings to alternative payment plans, for which data are not included in NPDB at the present time.

Table G1. Analysis of Changes to National FTE Benchmarks

Specialty	Benchmarks 85/86		Benchmarks 95/96		Fee Increase	Utilization	
	Lower	Upper	Lower	Upper		Lower	Upper
Family Medicine	86,865	112,545	111,783	148,211	34.4%	-4.2%	-2.0%
Int. Medicine	98,097	141,883	146,234	221,093	27.3%	17.1%	22.4%
Neurology	96,643	134,743	110,443	161,896	17.2%	-2.5%	2.5%
Psychiatry	66,251	95,652	112,554	157,219	32.9%	27.8%	23.7%
Pediatrics	77,883	122,311	104,970	170,703	34.6%	0.2%	3.7%
Dermatology	187,096	239,876	261,282	330,344	19.2%	17.1%	15.5%
Phys. Medicine	93,877	129,404	93,439	140,955	7.5%	-7.4%	1.3%
Anaesthesia	116,268	135,711	161,083	193,579	32.1%	4.9%	8.0%
General Surgery	137,626	175,878	202,962	255,863	24.0%	19.0%	17.4%
Thor/Card Surg	191,654	243,661	319,563	397,449	19.5%	39.5%	36.5%
Urology	175,674	211,464	254,084	318,774	20.3%	20.3%	25.3%
Orthopedics	155,125	184,140	222,938	278,738	22.0%	17.8%	24.1%
Plastic Surgery	153,367	189,234	204,851	257,262	17.0%	14.2%	16.2%
Neurosurgery	130,408	165,331	161,785	215,903	24.6%	-0.4%	4.8%
Ophthalmology	163,569	205,862	259,192	344,991	18.3%	34.0%	41.7%
Otolaryngology	182,085	230,019	251,206	319,776	22.0%	13.1%	14.0%
Obs/Gyn	150,772	191,812	206,326	263,019	30.5%	4.9%	5.1%

Comparison of FTE Counts

Physicians and FTE counts in 1995/96, using the original benchmarks which were calculated using the 1985/86 base year and the revised benchmarks which were calculated using the 1995/96 base year, are shown in Table G2. It is important to remember that differences in FTE counts result from the adoption of a new workload standard, based on current practice, and not from any underlying change in methodology. Family Medicine FTEs have increased slightly with the adoption of new benchmarks. FTEs for medical and surgical specialties have decreased, except for Pediatrics. Among medical specialties, changes have been greatest in Dermatology, Internal Medicine and Anaesthesia.

Surgical specialties show the greatest change, with seven of nine specialty groups showing decreases of over 10% in FTE counts. Ophthalmology had the largest decrease while Obstetrics/Gynaecology had the smallest decrease in FTEs among specialties with over 1,000 physicians. Ophthalmology shows a large utilization effect (Table G1), which could be due to greater productivity resulting from the use of technology in this specialty. Interestingly, Ophthalmology ranks eighth among the nine surgical specialties in the level of fee increases over the ten year period. Obstetrics/Gynaecology has had the highest level of fee increases among the surgical specialties and the lowest level of utilization increases.

Table G2. Comparison of 1995/96 FTE Counts Using 1985/96 and 1995/96 Based Benchmarks

Specialty	Physicians 1995/96	FTE Counts		Percent change
		85/86 BM	95/96 BM	
Family Medicine	28,155	23,722.3	23,992.9	1.1%
Medical Specs	14,541	14,148.2	12,958.4	-8.4%
Surgical Specs	7,627	7,678.2	6,729.1	-12.4%
All Physicians	50,323	45,548.7	43,680.4	-4.1%
Internal Medicine	5,316	5,368.2	4,808.5	-10.4%
Neurology	569	548.9	533.0	-2.9%
Psychiatry	3,630	3,571.7	3,230.1	-9.6%
Pediatrics	1,993	1,653.1	1,675.1	1.3%
Dermatology	509	515.6	451.7	-12.4%
Physical Medicine	279	280.5	270.5	-3.6%
Anaesthesia	2,245	2,210.3	1,989.6	-10.0%
General Surgery	1,952	1,902.0	1,686.0	-11.4%
Thor/Card Surgery	182	207.8	169.8	-18.3%
Urology	529	561.3	485.2	-13.6%
Orthopedics	1,059	1,038.4	891.8	-14.1%
Plastic Surgery	403	392.6	361.2	-8.0%
Neurosurgery	207	200.0	179.9	-10.0%
Ophthalmology	1,130	1,246.9	1,031.1	-17.3%
Otolaryngology	613	626.4	537.7	-14.2%
Obs/Gyn	1,552	1,502.9	1,386.4	-7.8%

Trends

FTE counts during 1995/96 to 1998/99 followed similar trends with both sets of benchmarks (Table G3, Figures G4–G6). The spread between FTE counts produced from the two sets of benchmarks remained quite constant, reflecting a common effect of indexing both sets of benchmarks with the same indices of fee increase. Family Medicine FTEs increased moderately in 1996/97 and 1997/98. Family Medicine FTEs decreased in

1998/99, although they remained slightly above the level for 1996/97. Medical specialists increased in all years, although the rate of increase in 1998/99 was modest. Surgical FTEs decreased slightly in 1996/97, increased in 1997/98 and were virtually unchanged in 1998/99.

Table G3. FTE Trends with 1985/86 and 1995/96 Benchmarks

Specialty & Base Year	1995/96	1996/97	1997/98	1998/99
Family Medicine				
1985/86	23,722	23,805	24,012	23,882
1995/96	23,993	24,071	24,272	24,139
Difference	1.1%	1.1%	1.1%	1.1%
Medical Specialists				
1985/86	14,148	14,330	14,747	14,834
1995/96	12,958	13,110	13,481	13,563
Difference	-8.4%	-8.5%	-8.6%	-8.6%
Surgical Specialists				
1985/86	7,678	7,664	7,757	7,753
1995/96	6,729	6,712	6,791	6,777
Difference	-12.4%	-12.4%	-12.5%	-12.6%

Conclusions

FTE benchmarks have been revised to reflect physician fee-for-service practices in 1995/96. Nationally, the new benchmarks show an interesting pattern when compared to the original benchmarks indexed for fee changes. Family Medicine and three of the medical specialties show utilization changes that are negative or positive by less than five percent at both the lower and upper benchmarks. Benchmarks for other specialties indicate utilization increases, which are highest in the case of surgical specialties. A number of factors would influence these changes, including physician workload, practice styles and possibly the effects of alternative payments.

FTE physician counts increase slightly for Family Medicine when using the revised benchmarks. FTEs decrease in aggregate for both medical and surgical specialists. FTE counts during the four years from 1995/96 to 1998/99 show consistent trends with either set of benchmarks. Consequently the new FTE series can be used with the same confidence as the previous series, although it will be necessary to adjust trend analysis for the changes that occur in 1995/96 with the adoption of the new benchmarks.

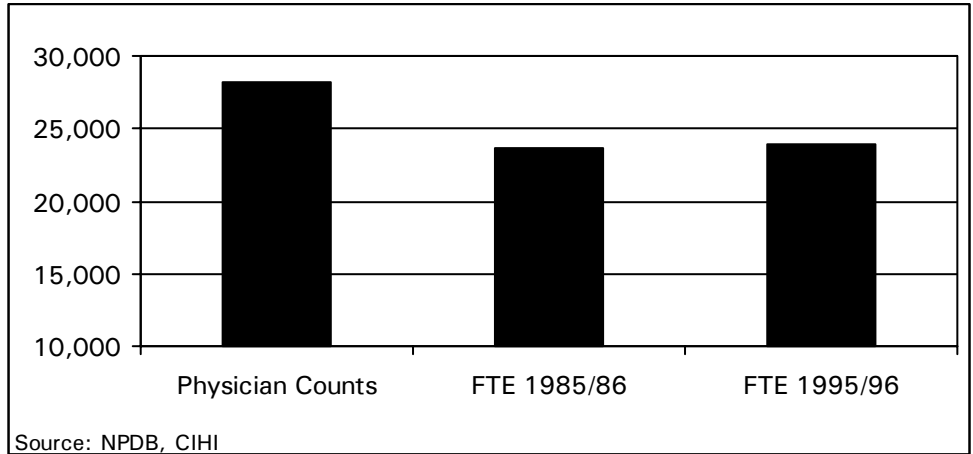


Figure G1. 1998/99 Family Medicine Physician Counts and FTEs Using 1985/86 and 1995/96 Benchmarks

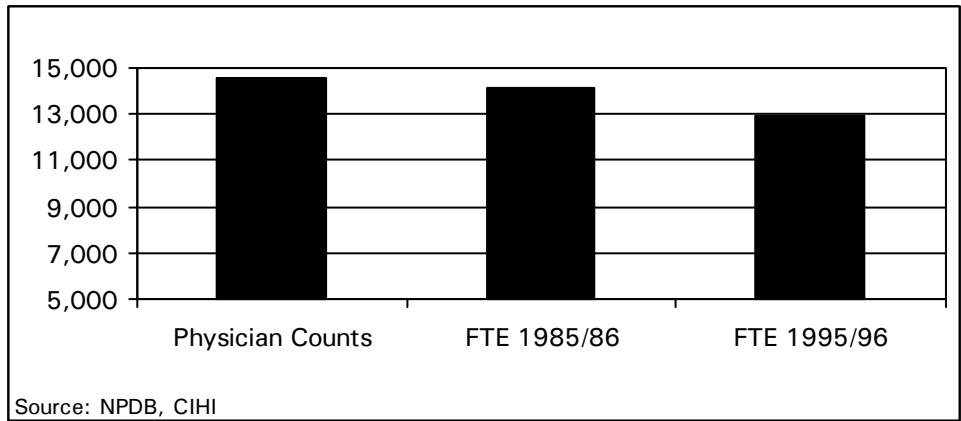


Figure G2. 1998/99 Medical Specialist Physician Counts and FTEs Using 1985/86 and 1995/96 Benchmarks

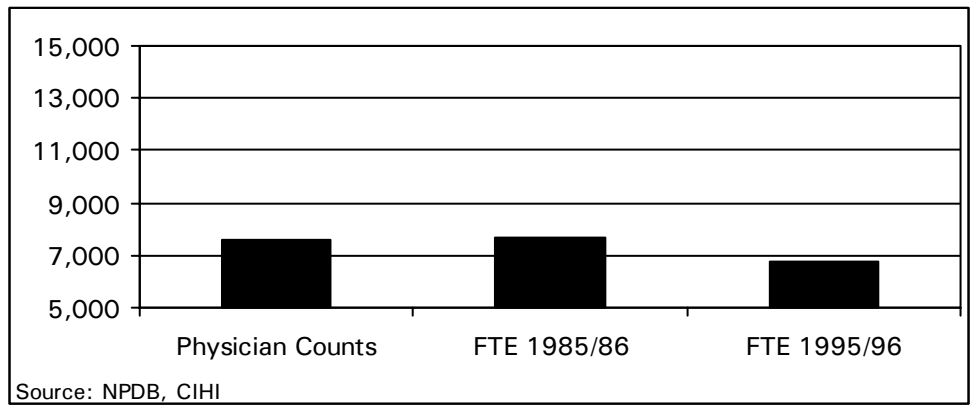


Figure G3. 1998/99 Surgical Specialist Physician Counts and FTEs Using 1985/86 and 1995/96 Benchmarks

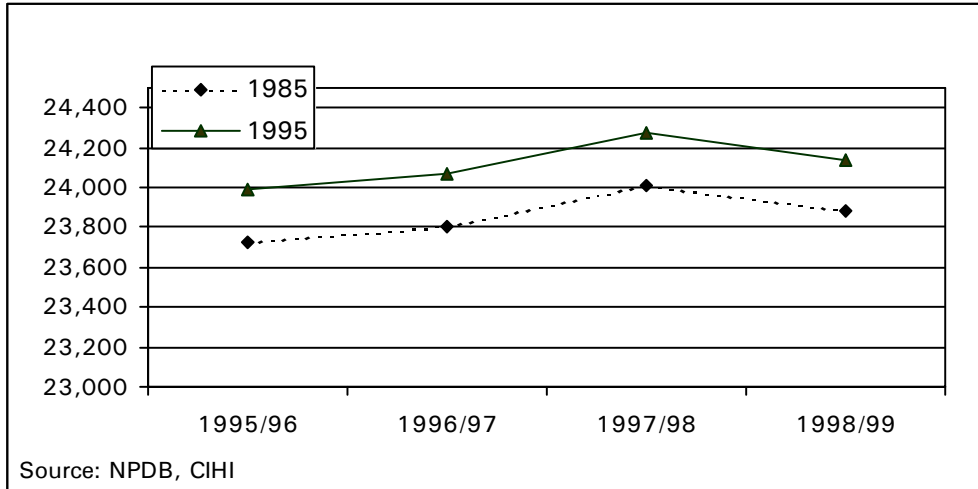


Figure G4. Family Medicine FTEs with 1985/86 and 1995/96 Benchmarks

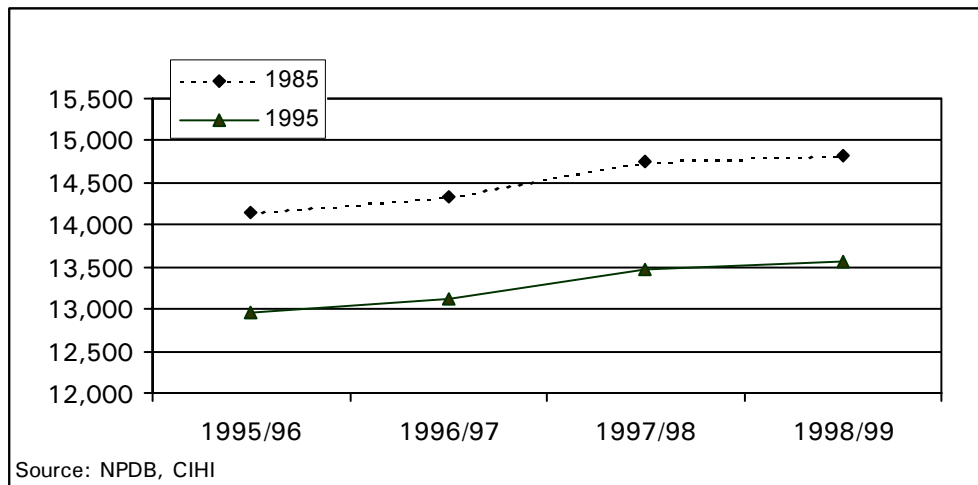


Figure G5. Medical Specialist FTEs with 1985/86 and 1995/96 Benchmarks

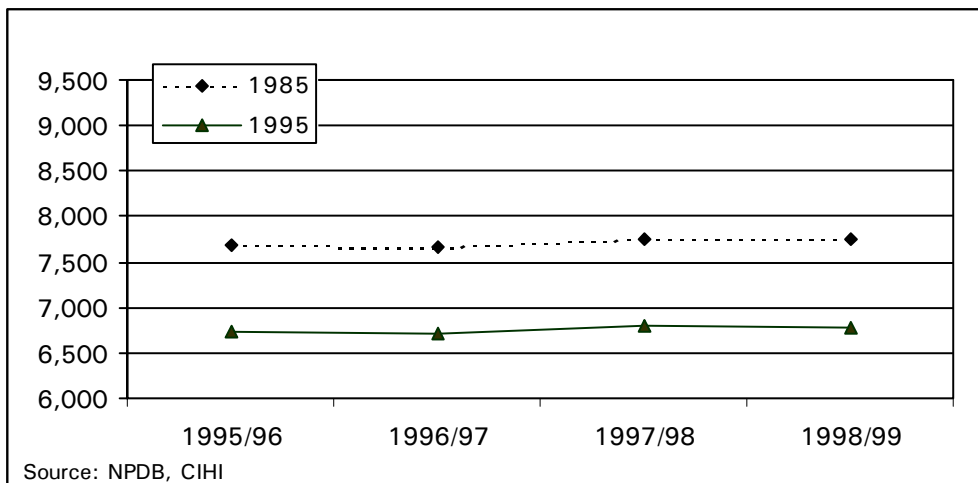


Figure G6. Surgical Specialist FTEs with 1985/86 and 1995/96 Benchmarks