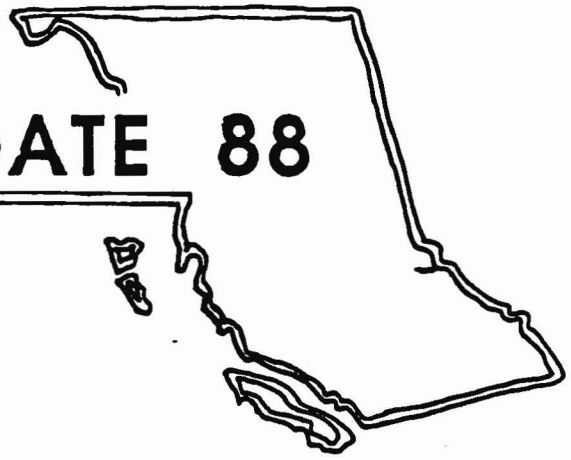
ROLLCALL UPDATE 88



A STATUS REPORT OF SELECTED HEALTH PERSONNEL IN THE PROVINCE OF BRITISH COLUMBIA

HMRU 89:1

Health Manpower Research Unit
Division of Health Services Research and Development
Office of the Coordinator of Health Sciences
The John F. McCreary Health Sciences Centre
The University of British Columbia
Vancouver, British Columbia, V6T 1Z6

March 1989

ISSN 0707-3542

This report is one of a series describing the distribution of health care resources and manpower in the Province of British Columbia. These reports are working documents and comments or suggestions are welcome. The reports are prepared for the Health Manpower Working Group of the Ministry of Health and are subsequently released for general information.

THE UNIVERSITY OF BRITISH COLUMBIA

Health Manpower Research Unit
Division of Health Services
Research and Development

#400-2194 Health Sciences Mall
Vancouver, B.C. Canada V6T 1Z6

Telephone (604) 228-4810
Fax (604) 228-2495

February 14, 1989

Dr. Stephen Gray
Chairman
Health Manpower Working Group
Ministry of Health
1515 Blanshard Street
Victoria, B.C. V8W 3C8

Dear Dr. Gray:

RE: ROLLCALL UPDATE '88

It is my pleasure to transmit to you and to the members of the Health Manpower Working Group the fifth edition of our ROLLCALL UPDATE series, an interim report which appears in 'non-ROLLCALL' years. Since we constantly strive to improve both the content and the format of our regular reports, this edition contains some new features. In addition to the eight health disciplines contained in the previous edition, ROLLCALL UPDATE '88 contains a new chapter on Registered Psychiatric Nurses. As well, information on governing statute/body for each group included in this report has been incorporated into the group-specific chapter.

As usual, all Health Manpower Research Unit analysts were inevitably involved in this project, under the guidance of Brian McCashin; Claire Kinnis wrestled with Statutes and diligently edited inconsistencies in format.

The health manpower data for the report were provided by the professional groups as part of the ongoing updating of the cooperative database. As such, only those groups which have a reliable data source are included in this report. The project was funded jointly by the Ministry of Health through the University of British Columbia and by the University itself.

We look forward to receiving comments and suggestions from the members of the Working Group as well as from other users of this document.

Sincerely yours,

A. Kazanjian

Arminée Kazanjian, Dr.Soc.
Acting Director
Division of Health Services
Research and Development

TABLE OF CONTENTS

Page

Letter of Transmittal

Table of Contents

ROLLCALL UPDATE 88

Introduction 1

1. Certified Dental Assistants 1-1
2. Dental Hygienists 2-1
3. Dentists 3-1
4. Licensed Practical Nurses 4-1
5. Pharmacists 5-1
6. Physicians 6-1
7. Psychologists 7-1
8. Registered Nurses 8-1
9. Registered Psychiatric Nurses 9-1

Appendices:

A. Regional Hospital Districts of British Columbia A-1

B. Population Estimates for British Columbia by Regional Hospital District, 1987 and 1988 . . . . . B-1

C. Rated Hospital Bed Capacity in British Columbia by Regional Hospital District, March 1987 and March 1988 . . . . . C-1

D. Community Pharmacies in British Columbia by Regional Hospital District, December 1987 and December 1988 . . . . . D-1

INTRODUCTION

INTRODUCTION

The following tables and definitions comprise an interim report concerning the status of a selected number of health disciplines for the interim year (1988) between the regular biennial publications of *ROLLCALL - A Status Report of Health Personnel in the Province of British Columbia.*

All data are reported by Regional Hospital District (RHD). Supplementary breakdowns by School District, by community[1], and by Health Manpower Research Unit (HMRU) region[2] are available on request.

In this report health worker/population ratios in each Regional Hospital District are plotted by computer on maps of British Columbia. The maps, which precede the tables for each health group, are shaded according to the ordinal scale shown in the legends. These maps do not replace the tables but permit the reader to gain a rapid visual impression of the manpower distribution in the province. The name and reference number of each District are given in Appendix A.

Population estimates are given in Appendix B. The 1987 and 1988 figures are from the Central Statistics Bureau P.E.O.P.L.E. Projection #14, Ministry of Economic Development, Victoria, B.C. Per population figures for 1987, shown throughout the report, differ from the corresponding figures for 1987 appearing in *ROLLCALL 87.* The denominators of these ratios were derived by the HMRU from 1982-86 RHD estimates provided by the Central Statistics Bureau.

The next regular report, *ROLLCALL 89*, will be available early in 1990. This publication will contain information on a much larger number of health manpower groups for whom the data are held in the cooperative data-base maintained by the Health Manpower Research Unit, located within the Division of Health Services Research and Development.

---

[1]Major population centres within each Regional Hospital District.

[2]Thirty Regional Hospital Districts have been amalgamated into nine Health Manpower Research Unit regions.

CERTIFIED DENTAL ASSISTANTS

CERTIFIED DENTAL ASSISTANTS

Definition: A certified dental assistant (dental auxiliary - level II)

May be delegated the following duties and procedures under the personal supervision of a duly licensed member of the College of Dental Surgeons of British Columbia:

(a) those duties or procedures which a dental assistant (dental auxiliary - level I) may perform;[1]
(b) polishing clinical crowns of teeth with rubber cup or brush and polishing pastes;
(c) applying topical anticariogenic agents;
(d) taking study model impressions;
(e) applying fissure sealants;
(f) evaluating dietary habits and providing nutritional counselling as it pertains to dentistry;
(g) providing instruction in the use and maintenance of partial and complete dentures and other appliances;
(h) removing sutures;
(i) placing and removing matrices and wedges;
(j) performing first aid procedures;
(k) applying desensitizing agents;
(l) removing periodontal dressings;
(m) performing pulp vitality tests using electric pulp tester and thermal pulp tester;
(n) taking simple face-bow transfer;
(o) acid etching prepared cavities;
(p) applying non-invasive identification discs.[2]

---

[1] *Regulations of The College of Dental Surgeons of British Columbia*, Auxiliary Bodies, revised June 1988, Article 10.16.

[2] Ibid., Article 10.17.

See also *Canadian Classification and Dictionary of Occupations 1980*. Major Group 31, No. 3157-114, p. 63, Ottawa: Employment and Immigration Canada.

On successful completion of the specific orthodontic training module concerned, a certified dental assistant may also be delegated the following duties and procedures under the personal supervision of a licensed member:

(a) instructing in the placement and care of removable orthodontic appliances;
(b) tying-in arch wires that a dentist has fitted;
(c) removing orthodontic arch wire;
(d) removing excess cement or bonding material by means of hand instruments or ultrasonic hand instruments following banding/bonding and debanding/debonding procedures;
(e) fitting orthodontic bands prior to assessment by a member;
(f) taking impressions for the fabrication of orthodontic appliances;
(g) fitting space maintainers prior to assessment by a member;
(h) removing orthodontic bads and bonded attachments by means of hand instruments;
(i) preparing teeth for direct bonding of attachments;
(j) applying wax or other material to offending components or removing offending components;
(k) placing and removing orthodontic separators; and
(l) fitting headgear prior to assessment by a member.[3]

Enabling Statute: Dentists Act, Revised Statutes of British Columbia, 1979, Chapter 92, administered by the Ministry of Health.

Governing Body: The College of Dental Surgeons of British Columbia (CDSBC). In order to practise as a certified dental assistant in B.C., it is necessary to be registered by the CDSBC and to hold a valid licence.

Date of Record: September 1987 and September 1988.

Source of Data: The College of Dental Surgeons of British Columbia.

Preparation and Updating:

A computer file of updates is received by the Health Manpower Research Unit from the CDSBC on a regular basis. These updates are entered into *CDAFILE*, a dynamic computer-based file.

The table includes certified dental assistants who were B.C. residents at the date of record.

---

[3] *Regulations*, Op. Cit., Article 10.19.

Certified Dental Assistants per 10,000 Population by Regional Hospital District September 1988 N=3258

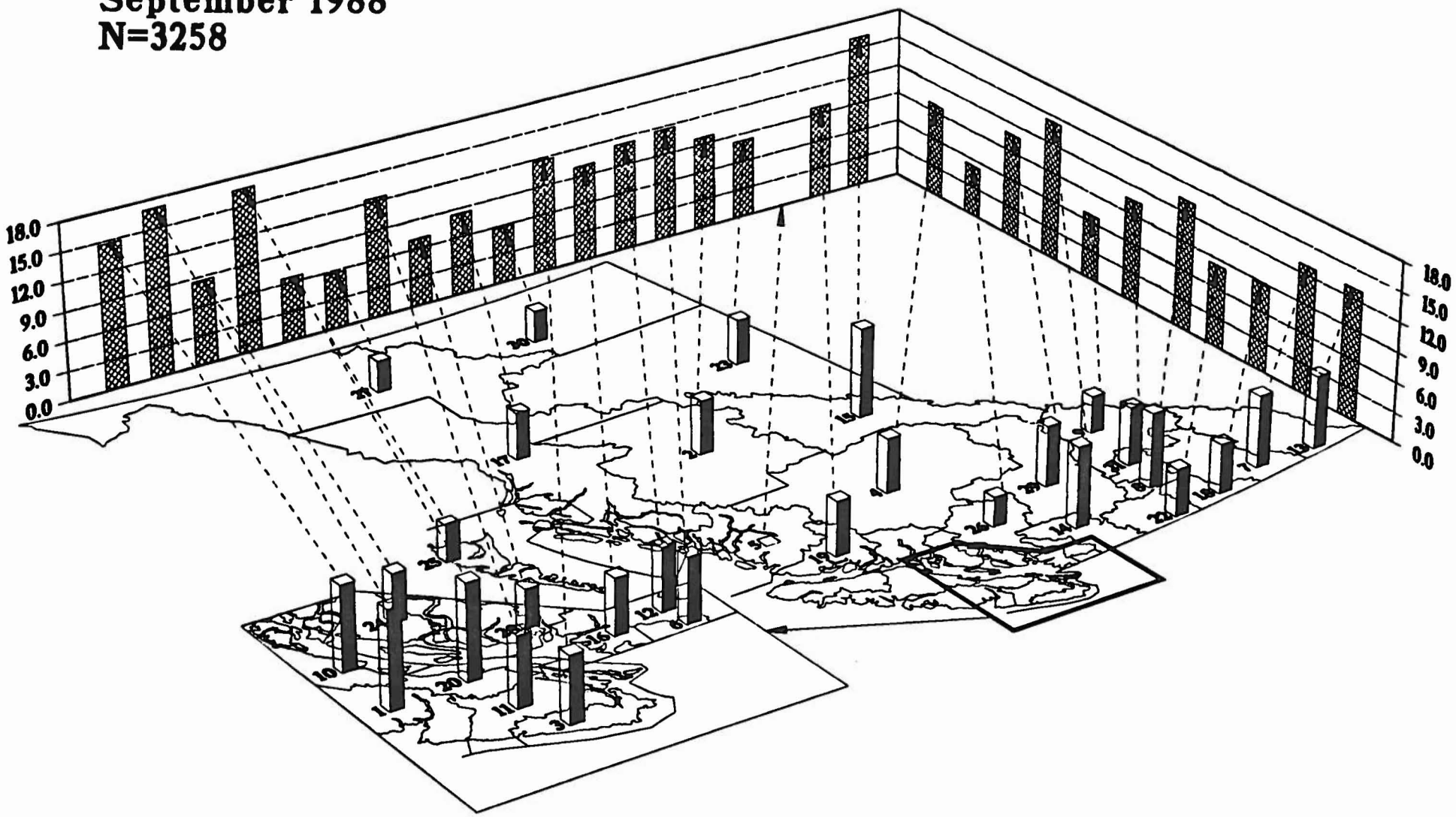


Table 1

Certified Dental Assistants[1] in British Columbia

by Regional Hospital District

September 1987 and September 1988

Regional Hospital District	Number		Number per 10,000 Population		Average Annual Rate of Change	
	1987[2]	1988[3]	1987[4]	1988	Number[5]	Ratio[6]
Non-Metropolitan - Subtotal	**1,474**	**1,610**	**10.80**	**11.70**	**9.23**	**8.34**
1 Alberni-Clayoquot	49	51	16.27	17.06	4.08	4.85
2 Bulkley-Nechako	38	36	10.28	9.74	-5.26	-5.32
4 Cariboo	54	59	8.93	9.77	9.26	9.34
5 Central Coast	0	0	0.0	0.0	*	*
6 Central Fraser Valley	152	172	10.72	11.66	13.16	8.76
7 Central Kootenay	58	61	12.04	12.89	5.17	7.08
8 Central Okanagan	109	125	11.87	13.30	14.68	11.98
9 Columbia-Shuswap	21	26	5.33	6.68	23.81	25.24
10 Comox-Strathcona	100	107	13.93	14.75	7.00	5.84
11 Cowichan Valley	62	66	11.73	12.34	6.45	5.26
12 Dewdney-Alouette	76	86	10.44	11.29	13.16	8.16
13 East Kootenay	56	64	11.05	13.03	14.29	17.90
14 Fraser-Cheam	71	86	12.05	14.36	21.13	19.19
15 Fraser-Fort George	133	141	15.07	16.11	6.02	6.88
17 Kitimat-Stikine	33	34	8.28	8.46	3.03	2.25
18 Kootenay Boundary	23	26	7.73	8.82	13.04	14.14
19 Mount Waddington	12	14	8.23	9.74	16.67	18.37
20 Nanaimo	123	141	14.67	16.76	14.63	14.26
21 North Okanagan	54	59	9.75	10.49	9.26	7.63
22 Okanagan-Similkameen	47	51	7.82	8.36	8.51	7.00
23 Peace River	39	42	7.61	8.24	7.69	8.34
24 Powell River	15	15	8.46	8.61	0.0	1.85
25 Skeena-Queen Charlotte	16	15	6.92	6.53	-6.25	-5.62
26 Squamish-Lillooet	18	11	8.89	5.31	-38.89	-40.26
27 Stikine	1	1	5.49	5.75	*	*
28 Sunshine Coast	14	12	8.25	6.99	-14.29	-15.30
29 Thompson-Nicola	97	106	9.89	10.83	9.28	9.46
30 Fort Nelson/Liard	3	3	5.77	5.85	*	*
Metropolitan - Subtotal	**1,523**	**1,648**	**9.77**	**10.35**	**8.21**	**5.94**
3 Capital	297	323	11.01	11.76	8.75	6.87
16 Greater Vancouver	1,226	1,325	9.51	10.05	8.08	5.73
TOTAL	**2,997**	**3,258**	**10.25**	**10.97**	**8.71**	**7.05**

[1]Definitions are as in the attached text.
[2]Excludes twelve Certified Dental Assistants with unknown address.
[3]Excludes twenty eight Certified Dental Assistants with unknown address.
[4]The figures differ from the corresponding figures for 1987 appearing in ROLLCALL 87. See Introduction.
[5]Rate of change (in percent) in the number.
[6]Rate of change (in percent) in the number per 10,000 population.
*Indicates that the base for the rate of change was less than 10.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

DENTAL HYGIENISTS

DENTAL HYGIENISTS

Definition: A dental hygienist (dental auxiliary - level III)

May, in addition to those duties and procedures which a certified dental assistant (dental auxiliary - level II) may perform[1], may be delegated the following duties and procedures under the direction of a duly licensed member of the College of Dental Surgeons of British Columbia:

(a) examining the head and neck as it pertains to dentistry;
(b) examining the intra-oral structures;
(c) placing and removing temporary restorations;
(d) applying periodontal dressings;
(e) removing supra and subgingival calculus;
(f) root planing;
(g) recontouring existing restorations;
(h) desensitizing hypersensitive teeth;
(i) administering local anaesthetics but only after the completion of approved training to the satisfaction of the general examination committee, and only while a duly licensed member is present and immediately available in the office.[2]

Enabling Statute: Dentists Act, Revised Statutes of British Columbia, 1979, Chapter 92, administered by the Ministry of Health.

Governing Body: The College of Dental Surgeons of British Columbia (CDSBC). In order to practise as a dental hygienist in B.C., it is necessary to be registered by the CDSBC and to hold a valid licence or permit.

---

[1] *Regulations of The College of Dental Surgeons of British Columbia,* Auxiliary Bodies, revised June 1988, Articles 10.16, 10.17 and 10.19.

[2] Ibid., Article 10.20.

See also *Canadian Classification and Dictionary Occupations 1980.* Major Group 31, No. 3157-110, p. 63, Ottawa: Employment and Immigration Canada.

Date of Record: September 1987 and September 1988.

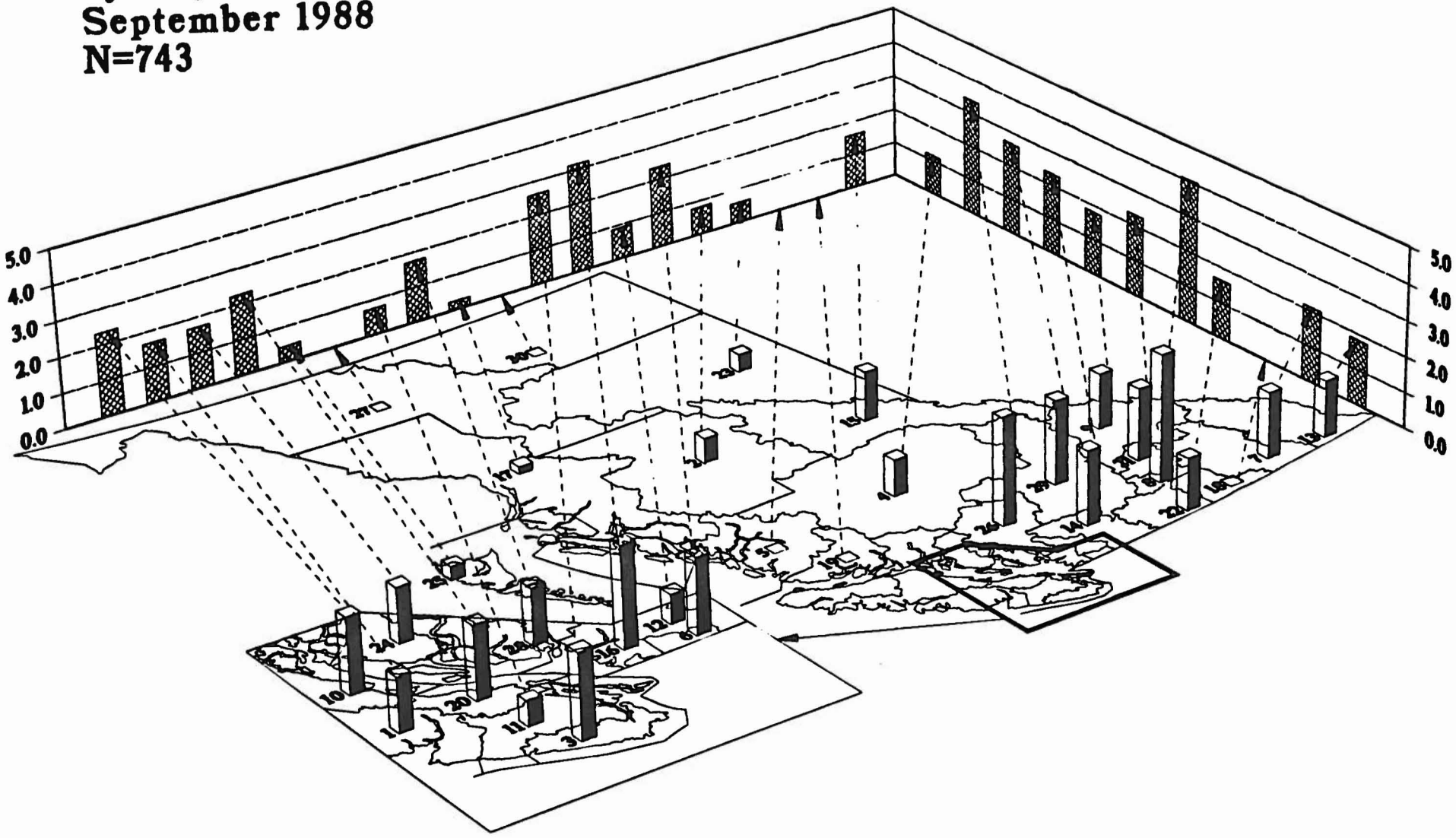
Source of Data: The College of Dental Surgeons of British Columbia.

Preparation and Updating:

A computer file of updates is received by the Health Manpower Research Unit from the CDSBC on a regular basis. These are entered into HYGFILE, a dynamic computer-based file.

The table includes licensed dental hygienists who were B.C. residents at the date of record.

Dental Hygienists per 10,000 Population by Regional Hospital District September 1988 N=743



DENTISTS

DENTISTS

Definition: A dentist

"Diagnoses and treats diseases, injuries and malformations of teeth, gums and related oral structures and prescribes and administers preventive procedures:
Examines teeth, gums and other tissues using X-rays and dental equipment. Diagnoses condition and plans treatment. Administers local or general anaesthetic. Fills cavities with amalgam, silver, gold, or other material. Replaces portion of tooth crown with inlay or artificial crown. Performs minor oral surgery, including extractions of erupted or impacted teeth. Takes dental impressions. Designs bridgework and partial or complete dentures. Constructs dental appliances or writes specifications for dental technician. Cleans teeth. Instructs patients in oral hygiene to prevent dental problems. Monitors growth pattern of patient's teeth. Refers patients to specialists."[1]

Governing Statute: Dentists Act, Revised Statutes of British Columbia, 1979, Chapter 92, administered by the Ministry of Health.

Governing Body: The College of Dental Surgeons of British Columbia (CDSBC). In order to practise as a dentist in B.C., it is necessary to be registered by the CDSBC, and to hold an unexpired annual certificate (licence) under the Act.

Date of Record: September 1987 and September 1988.

Source of Data: The College of Dental Surgeons of British Columbia.

Preparation and Updating:

A computer file of updates is received by the Health Manpower Research Unit from the CDSBC on a regular basis. These updates are entered into *DENTFILE*, a dynamic computer-based file.

The tables include licensed dentists who reported a B.C. address at the date of record.

---

[1] *Canadian Classification and Dictionary of Occupations 1980.*
Major Group 31, No. 3113-134, p. 50, Ottawa: Employment and Immigration Canada.

Definition of Terms:

1. **Specialty**[2]

Licensed dentists are allocated to the specialty in which they have been certified by the College of Dental Surgeons. The categories used in Table 1 are:

(a) Non-specialist
(b) Endodontics
(c) Oral and Maxillofacial Surgery
(d) Orthodontics
(e) Pediatric Dentistry
(f) Periodontics
(g) Prosthodontics
(h) Oral Pathology
(i) Oral Radiology

Tables 2 and 3 group categories (b) through (i), since numbers of most specialists are too small to calculate meaningful population ratio and rate of change figures.

2. **Analysis of Change**

Table 4 illustrates the sources of change which affected the stock of dentists from 1987 to 1988.

New registrants are dentists included in the September 1988 stock who registered with the CDSBC *for the first time* subsequent to September 1987. New registrants are recorded according to their place of graduation; i.e., from U.B.C., Other Canadian Schools (O.Can), the United States (U.S.A.), or Other.

Re-activations (Re-Act) represent those dentists who did not renew their licence in B.C. in September 1987, but were licensed in B.C. in September 1988, and whose date of initial registration was before October 1987.

Attrition (Attr'n) describes dentists who were included in the September 1987 stock but who, because of death, retirement, suspension, out-of-province relocation or non-renewal of licensure were not included in the September 1988 stock.

Migration (Migr'n) describes the net effect of intraprovincial migration: it records the flow of dentists between different Regional Hospital Districts. The net migration total is therefore zero.

---

[2]For specialty definitions see: *Canadian Classification and Dictionary of Occupations 1980.* Major Group 31, Nos. 3113-110 through 3113-130, pp. 49-50, Ottawa: Employment and Immigration Canada.

Licensed Dentists per 10,000 Population by Regional Hospital District September 1988 N=1871

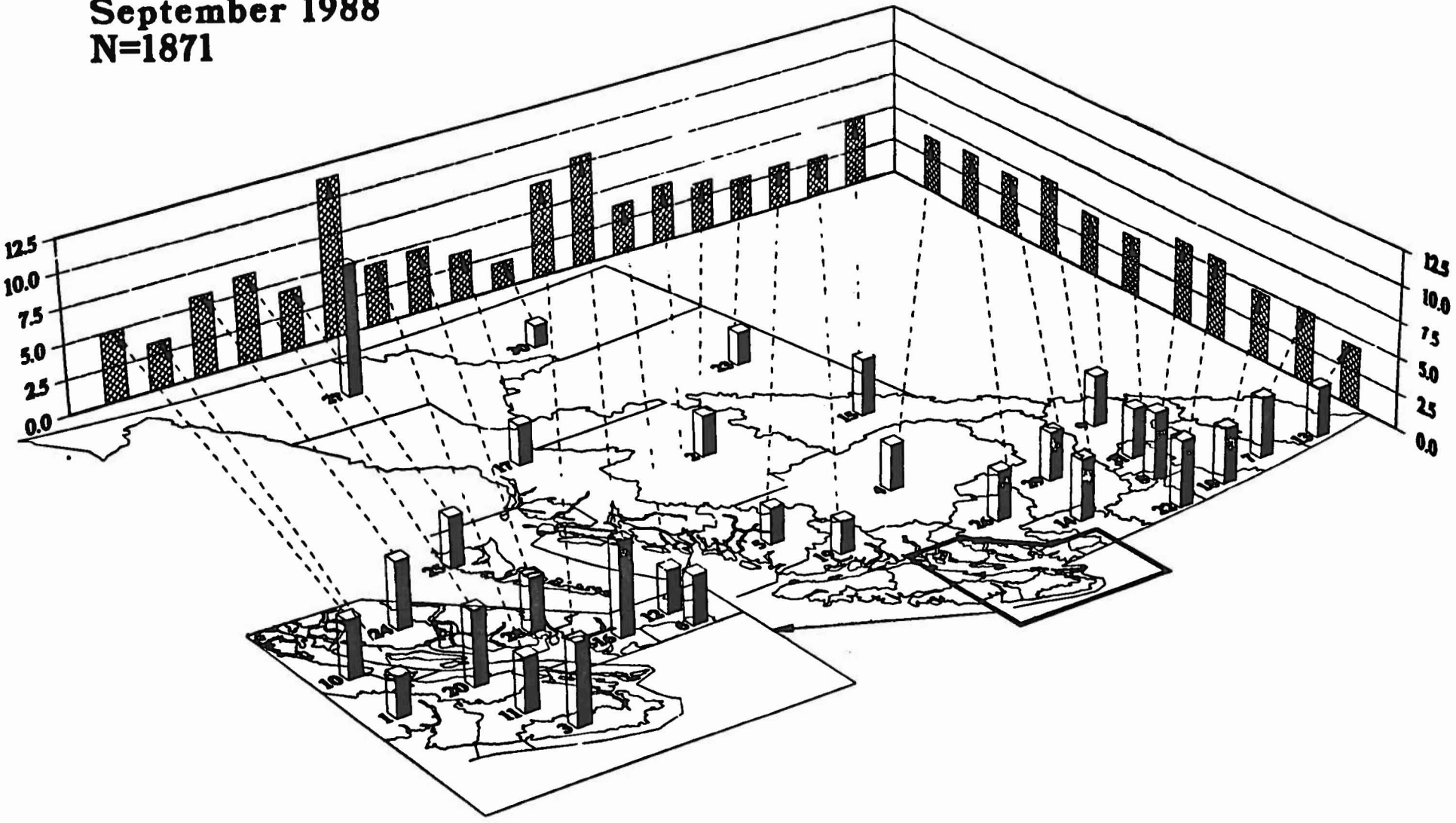


Table 1

Licensed Dentists[1] in British Columbia

by Regional Hospital District by Specialty

September 1987[2] and September 1988[3]

Regional Hospital District	Non-Specialist		Endodontics		Oral and Maxillofacial Surgery		Orthodontics		Pediatric Dentistry	
	1987	1988	1987	1988	1987	1988	1987	1988	1987	1988
Non-Metropolitan - Subtotal	**580**	**594**	**1**	**1**	**2**	**2**	**26**	**25**	**2**	**2**
1 Alberni-Clayoquot	10	10	0	0	0	0	0	0	0	0
2 Bulkley-Nechako	14	13	0	0	0	0	0	0	0	0
4 Cariboo	20	22	0	0	0	0	2	2	0	0
5 Central Coast	2	1	0	0	0	0	0	0	0	0
6 Central Fraser Valley	53	58	0	0	0	0	4	4	0	0
7 Central Kootenay	26	24	0	0	0	0	0	0	0	0
8 Central Okanagan	45	46	1	1	0	0	3	3	0	0
9 Columbia-Shuswap	15	16	0	0	0	0	1	1	0	0
10 Comox-Strathcona	33	35	0	0	0	0	1	1	0	0
11 Cowichan Valley	25	24	0	0	0	0	1	0	0	0
12 Dewdney-Alouette	29	28	0	0	0	0	0	0	0	0
13 East Kootenay	21	20	0	0	0	0	1	1	0	0
14 Fraser-Cheam	29	30	0	0	0	0	1	2	0	0
15 Fraser-Fort George	39	41	0	0	0	0	2	2	0	0
17 Kitimat-Stikine	13	13	0	0	0	0	2	1	0	0
18 Kootenay Boundary	14	14	0	0	0	0	0	0	0	0
19 Mount Waddington	4	4	0	0	0	0	0	0	0	0
20 Nanaimo	49	47	0	0	1	1	3	3	2	2
21 North Okanagan	21	22	0	0	1	1	1	1	0	0
22 Okanagan-Similkameen	29	33	0	0	0	0	2	2	0	0
23 Peace River	13	14	0	0	0	0	0	0	0	0
24 Powell River	10	10	0	0	0	0	0	0	0	0
25 Skeena-Queen Charlotte	10	10	0	0	0	0	0	0	0	0
26 Squamish-Lillooet	8	9	0	0	0	0	0	0	0	0
27 Stikine	1	2	0	0	0	0	0	0	0	0
28 Sunshine Coast	8	8	0	0	0	0	0	0	0	0
29 Thompson-Nicola	38	39	0	0	0	0	2	2	0	0
30 Fort Nelson/Liard	1	1	0	0	0	0	0	0	0	0
Metropolitan - Subtotal	**1,081**	**1,093**	**17**	**17**	**27**	**25**	**45**	**47**	**14**	**14**
3 Capital	168	165	3	3	5	5	8	10	1	1
16 Greater Vancouver	913	928	14	14	22	20	37	37	13	13
TOTAL	**1,661**	**1,687**	**18**	**18**	**29**	**27**	**71**	**72**	**16**	**16**

[1]Definitions are as in the attached text.
[2]Excludes two dentists with unknown address.
[3]Excludes one dentist with unknown address.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

... *continued*

Table 1
(Continued)

Licensed Dentists[1] in British Columbia

by Regional Hospital District by Specialty

September 1987[2] and September 1988[3]

Regional Hospital District	Periodontics		Prostho-dontics		Oral Pathology		Oral Radiology		Total	
	1987	1988	1987	1988	1987	1988	1987	1988	1987	1988
Non-Metropolitan - Subtotal	2	2	3	3	0	0	0	0	616	629
1 Alberni-Clayoquot	0	0	0	0	0	0	0	0	10	10
2 Bulkley-Nechako	0	0	0	0	0	0	0	0	14	13
4 Cariboo	0	0	0	0	0	0	0	0	22	24
5 Central Coast	0	0	0	0	0	0	0	0	2	1
6 Central Fraser Valley	0	0	0	0	0	0	0	0	57	62
7 Central Kootenay	0	0	0	0	0	0	0	0	26	24
8 Central Okanagan	2	2	2	2	0	0	0	0	53	54
9 Columbia-Shuswap	0	0	0	0	0	0	0	0	16	17
10 Comox-Strathcona	0	0	0	0	0	0	0	0	34	36
11 Cowichan Valley	0	0	0	0	0	0	0	0	26	24
12 Dewdney-Alouette	0	0	0	0	0	0	0	0	29	28
13 East Kootenay	0	0	0	0	0	0	0	0	22	21
14 Fraser-Cheam	0	0	0	0	0	0	0	0	30	32
15 Fraser-Fort George	0	0	0	0	0	0	0	0	41	43
17 Kitimat-Stikine	0	0	0	0	0	0	0	0	15	14
18 Kootenay Boundary	0	0	0	0	0	0	0	0	14	14
19 Mount Waddington	0	0	0	0	0	0	0	0	4	4
20 Nanaimo	0	0	0	0	0	0	0	0	55	53
21 North Okanagan	0	0	0	0	0	0	0	0	23	24
22 Okanagan-Similkameen	0	0	0	0	0	0	0	0	31	35
23 Peace River	0	0	1	1	0	0	0	0	14	15
24 Powell River	0	0	0	0	0	0	0	0	10	10
25 Skeena-Queen Charlotte	0	0	0	0	0	0	0	0	10	10
26 Squamish-Lillooet	0	0	0	0	0	0	0	0	8	9
27 Stikine	0	0	0	0	0	0	0	0	1	2
28 Sunshine Coast	0	0	0	0	0	0	0	0	8	8
29 Thompson-Nicola	0	0	0	0	0	0	0	0	40	41
30 Fort Nelson/Liard	0	0	0	0	0	0	0	0	1	1
Metropolitan - Subtotal	22	22	22	22	1	1	1	1	1,230	1,242
3 Capital	3	3	2	2	0	0	0	0	190	189
16 Greater Vancouver	19	19	20	20	1	1	1	1	1,040	1,053
TOTAL	24	24	25	25	1	1	1	1	1,846	1,871

[1]Definitions are as in the attached text.
[2]Excludes two dentists with unknown address.
[3]Excludes one dentist with unknown address.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 2

Licensed Dentists[1] in British Columbia

per 10,000 Population by Regional Hospital District by Specialists and Non-Specialists

September 1987[2] and September 1988

Regional Hospital District	Non-Specialist 1987	Non-Specialist 1988	Specialist 1987	Specialist 1988	Total 1987	Total 1988
Non-Metropolitan - Subtotal	**4.25**	**4.32**	**0.26**	**0.25**	**4.51**	**4.57**
1 Alberni-Clayoquot	3.32	3.35	0.0	0.0	3.32	3.35
2 Bulkley-Nechako	3.79	3.52	0.0	0.0	3.79	3.52
4 Cariboo	3.31	3.64	0.33	0.33	3.64	3.97
5 Central Coast	6.22	3.08	0.0	0.0	6.22	3.08
6 Central Fraser Valley	3.74	3.93	0.28	0.27	4.02	4.20
7 Central Kootenay	5.40	5.07	0.0	0.0	5.40	5.07
8 Central Okanagan	4.90	4.89	0.87	0.85	5.77	5.74
9 Columbia-Shuswap	3.81	4.11	0.25	0.26	4.06	4.37
10 Comox-Strathcona	4.60	4.82	0.14	0.14	4.74	4.96
11 Cowichan Valley	4.73	4.49	0.19	0.0	4.92	4.49
12 Dewdney-Alouette	3.98	3.68	0.0	0.0	3.98	3.68
13 East Kootenay	4.15	4.07	0.20	0.20	4.34	4.28
14 Fraser-Cheam	4.92	5.01	0.17	0.33	5.09	5.34
15 Fraser-Fort George	4.42	4.68	0.23	0.23	4.65	4.91
17 Kitimat-Stikine	3.26	3.24	0.50	0.25	3.76	3.48
18 Kootenay Boundary	4.70	4.75	0.0	0.0	4.70	4.75
19 Mount Waddington	2.74	2.78	0.0	0.0	2.74	2.78
20 Nanaimo	5.84	5.59	0.72	0.71	6.56	6.30
21 North Okanagan	3.79	3.91	0.36	0.36	4.15	4.27
22 Okanagan-Similkameen	4.82	5.41	0.33	0.33	5.16	5.74
23 Peace River	2.54	2.75	0.20	0.20	2.73	2.94
24 Powell River	5.64	5.74	0.0	0.0	5.64	5.74
25 Skeena-Queen Charlotte	4.32	4.35	0.0	0.0	4.32	4.35
26 Squamish-Lillooet	3.95	4.35	0.0	0.0	3.95	4.35
27 Stikine	5.49	11.50	0.0	0.0	5.49	11.50
28 Sunshine Coast	4.71	4.66	0.0	0.0	4.71	4.66
29 Thompson-Nicola	3.87	3.98	0.20	0.20	4.08	4.19
30 Fort Nelson/Liard	1.92	1.95	0.0	0.0	1.92	1.95
Metropolitan - Subtotal	**6.93**	**6.86**	**0.96**	**0.94**	**7.89**	**7.80**
3 Capital	6.23	6.01	0.82	0.87	7.04	6.88
16 Greater Vancouver	7.08	7.04	0.99	0.95	8.07	7.99
TOTAL	**5.68**	**5.68**	**0.63**	**0.62**	**6.31**	**6.30**

[1]Definitions are as in the attached text.
[2]The figures differ from the corresponding figures for 1987 appearing in ROLLCALL 87. See Introduction.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 3

Average Annual Rate of Change: Licensed Dentists[1]

in British Columbia by Regional Hospital District by Specialists and Non-Specialists

September 1987 to September 1988

Regional Hospital District	Non-Specialist		Specialist		Total	
	Number[2]	Ratio[3]	Number[2]	Ratio[3]	Number[2]	Ratio[3]
Non-Metropolitan - Subtotal	**2.41**	**1.58**	**-2.78**	**-3.57**	**2.11**	**1.28**
1 Alberni-Clayoquot	0.00	0.74	*	*	0.00	0.74
2 Bulkley-Nechako	-7.14	-7.20	*	*	-7.14	-7.20
4 Cariboo	10.00	10.08	*	*	9.09	9.17
5 Central Coast	*	*	*	*	*	*
6 Central Fraser Valley	9.43	5.18	*	*	8.77	4.54
7 Central Kootenay	-7.69	-6.02	*	*	-7.69	-6.02
8 Central Okanagan	2.22	-0.18	*	*	1.89	-0.51
9 Columbia-Shuswap	6.67	7.90	*	*	6.25	7.48
10 Comox-Strathcona	6.06	4.91	*	*	5.88	4.73
11 Cowichan Valley	-4.00	-5.08	*	*	-7.69	-8.73
12 Dewdney-Alouette	-3.45	-7.71	*	*	-3.45	-7.71
13 East Kootenay	-4.76	-1.75	*	*	-4.55	-1.52
14 Fraser-Cheam	3.45	1.80	*	*	6.67	4.96
15 Fraser-Fort George	5.13	5.99	*	*	4.88	5.74
17 Kitimat-Stikine	0.00	-0.76	*	*	-6.67	-7.37
18 Kootenay Boundary	0.00	0.97	*	*	0.00	0.97
19 Mount Waddington	*	*	*	*	*	*
20 Nanaimo	-4.08	-4.39	*	*	-3.64	-3.95
21 North Okanagan	4.76	3.20	*	*	4.35	2.79
22 Okanagan-Similkameen	13.79	12.21	*	*	12.90	11.33
23 Peace River	7.69	8.34	*	*	7.14	7.78
24 Powell River	0.00	1.85	*	*	0.00	1.85
25 Skeena-Queen Charlotte	0.00	0.67	*	*	0.00	0.67
26 Squamish-Lillooet	*	*	*	*	*	*
27 Stikine	*	*	*	*	*	*
28 Sunshine Coast	*	*	*	*	*	*
29 Thompson-Nicola	2.63	2.80	*	*	2.50	2.67
30 Fort Nelson/Liard	*	*	*	*	*	*
Metropolitan - Subtotal	**1.11**	**-1.01**	**0.00**	**-2.10**	**0.98**	**-1.14**
3 Capital	-1.79	-3.49	9.09	7.20	-0.53	-2.25
16 Greater Vancouver	1.64	-0.56	-1.57	-3.71	1.25	-0.95
TOTAL	**1.57**	**0.02**	**-0.54**	**-2.05**	**1.35**	**-0.19**

[1]Definitions are as in the attached text.
[2]Rate of change (in percent) in the number.
[3]Rate of change (in percent) in the number per 10,000 population.
*Indicates that the base for the rate of change is less than 10.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 4

Analysis of Changes in the Number of Licensed Dentists[1]

in British Columbia by Regional Hospital District

September 1987 to September 1988

Regional Hospital District	1987[3]	New Registrants[1] by Place of Graduation: B.C.	O.Can.[4]	U.S.A.	Other	Total	Re-Act[5]	Attr'n[6]	Migr'n[7]	1988[8]
Non-Metropolitan - Subtotal	**616**	**16**	**5**	**0**	**3**	**24**	**7**	**20**	**2**	**629**
1 Alberni-Clayoquot	10	0	0	0	0	0	0	0	0	10
2 Bulkley-Nechako	14	0	1	0	0	1	0	1	-1	13
4 Cariboo	22	2	0	0	1	3	0	1	0	24
5 Central Coast	2	0	0	0	0	0	0	0	-1	1
6 Central Fraser Valley	57	4	0	0	0	4	0	2	3	62
7 Central Kootenay	26	0	0	0	0	0	0	2	0	24
8 Central Okanagan	53	0	2	0	0	2	2	3	0	54
9 Columbia-Shuswap	16	0	0	0	0	0	1	0	0	17
10 Comox-Strathcona	34	2	0	0	0	2	0	0	0	36
11 Cowichan Valley	26	0	0	0	0	0	0	1	-1	24
12 Dewdney-Alouette	29	1	1	0	0	2	0	0	-3	28
13 East Kootenay	22	0	0	0	0	0	0	1	0	21
14 Fraser-Cheam	30	1	0	0	0	1	0	1	2	32
15 Fraser-Fort George	41	0	0	0	1	1	1	0	0	43
17 Kitimat-Stikine	15	0	0	0	0	0	0	0	-1	14
18 Kootenay Boundary	14	0	1	0	0	1	0	1	0	14
19 Mount Waddington	4	0	0	0	0	0	0	0	0	4
20 Nanaimo	55	2	0	0	0	2	0	6	2	53
21 North Okanagan	23	1	0	0	0	1	0	0	0	24
22 Okanagan-Similkameen	31	2	0	0	0	2	1	1	2	35
23 Peace River	14	0	0	0	0	0	1	0	0	15
24 Powell River	10	0	0	0	0	0	0	0	0	10
25 Skeena-Queen Charlotte	10	0	0	0	0	0	0	0	0	10
26 Squamish-Lillooet	8	1	0	0	0	1	1	0	-1	9
27 Stikine	1	0	0	0	0	0	0	0	1	2
28 Sunshine Coast	8	0	0	0	0	0	0	0	0	8
29 Thompson-Nicola	40	0	0	0	1	1	0	0	0	41
30 Fort Nelson/Liard	1	0	0	0	0	0	0	0	0	1
Metropolitan - Subtotal	**1,230**	**19**	**17**	**1**	**4**	**41**	**15**	**42**	**-2**	**1,242**
3 Capital	190	0	1	0	0	1	3	6	1	189
16 Greater Vancouver	1,040	19	16	1	4	40	12	36	-3	1,053
TOTAL	**1,846**	**35**	**22**	**1**	**7**	**65**	**22**	**62**	**0**	**1,871**

[1]Definitions are as in the attached text.
[2]Dentists licensed in B.C. in September 1988 and who were registered for the first time after September 1987.
[3]Number of dentists as at September 1987.
[4]Other Canada.
[5]Dentists licensed in B.C. in September 1988 but not in September 1987 and who were registered for the first time before October 1987.
[6]Dentists licensed in B.C. in September 1987 but not in September 1988.
[7]Net effect of intraprovincial migration.
[8]Number of dentists as at September 1988.
Prepared by:
Health Manpower Research Unit
The University of British Columbia

LICENSED PRACTICAL NURSES

LICENSED PRACTICAL NURSES

Definition: A licensed practical nurse

> "may be employed in a wide variety of health care settings and may carry out such nursing duties related to the care of patients as is consistent with her training and ability.[1] All such duties are to be carried out under the direction of a duly qualified physician who is attending the patient, or under the supervision of a graduate nurse who is rendering service to the patient, except in an emergency when the services of a licensed practical nurse may be urgently required. Provided that the attending physician gives directions and assumes responsibility with respect to the ability of the licensed practical nurse (LPN) to carry out such services in a satisfactory manner, an LPN may also undertake nursing service for a patient in a private home."[2]

Governing Statute: Nurses (Licensed Practical) Act, Revised Statutes of British Columbia, 1979, Chapter 300, administered by the Ministry of Health.

Governing Body: British Columbia Council of Licensed Practical Nurses. In order to assume the designation Licensed Practical Nurse (LPN) in B.C. it is necessary to be registered by the Council and to hold a valid licence.

Date of Record: September 1987 and September 1988.

Source of Data: British Columbia Council of Licensed Practical Nurses.

Preparation and Updating:

A copy of the Council's registration database is received by the Health Manpower Research Unit from the Council on a yearly basis. This file is used to update LPNFILE, a version of the LPN database used by the Health Manpower Research Unit.

The tables include licensed practical nurses who were B.C. residents at the date of record.

---

[1]These skills are outlined in the booklet, *Skills Required of the Beginning Licensed Practical Nurse*, British Columbia Council of Licensed Practical Nurses, 1981.

[2]From information provided by the British Columbia Council of Licensed Practical Nurses.

See also *Canadian Classification and Dictionary of Occupations 1980*, Major Group 31, No. 3134-110, p. 54, Ottawa: Employment and Immigration Canada.

Definition of Terms:

1. **Employment Status**

Employment status was reported by the registrant on the annual licence renewal form. Table 1 shows LPNs by employment status. The categories used are:

(a) Regular Employment in Nursing
(b) Casual/Seasonal Employment in Nursing
(c) Employed in Other than Nursing
(d) Not Employed

2. **Place of Employment**

Place of employment was reported by the registrant on the annual licence renewal form. Tables 3 and 4 show type of employing institution for licensed practical nurses employed in nursing. The categories used are:

(a) Acute Care Hospital
(b) Activation/Rehabilitation Hospital
(c) Extended Care Hospital
(d) Other Long Term Care Facility
(e) Psychiatric Hospital
(f) Home Care or Visiting Care Agency
(g) Community Health Agency
(h) Physician's Office/Family Practice Unit
(i) Educational Institution
(j) Business/Industry
(k) Other

3. **Field of Practice**

Field of practice was reported by the registrant on the annual licence renewal form. Tables 5 and 6 show field of practice for licensed practical nurses employed in nursing. The categories used are:

(a) Medical/Surgical General
(b) Medical/Surgical Specialties (e.g., ICU, OR, Emergency, Dialysis)
(c) Maternal/Newborn
(d) Psychiatric
(e) Paediatric
(f) Geriatric
(g) Generalized Practice (e.g., Float Pool, Small General Hospital)
(h) Teaching
(i) Administration
(j) Research
(k) Other

4. Job Title

Job title was reported by the registrant on the annual licence renewal form. Tables 7 and 8 show job title for licensed practical nurses employed in nursing. The categories used are:

(a) LPN
(b) Long Term Care Aide (e.g., Patient Care Aide, Activity Aide)
(c) Unit Clerk
(d) Other

Licensed Practical Nurses Employed in Nursing per 10,000 Population by Regional Hospital District September 1988 N=4334

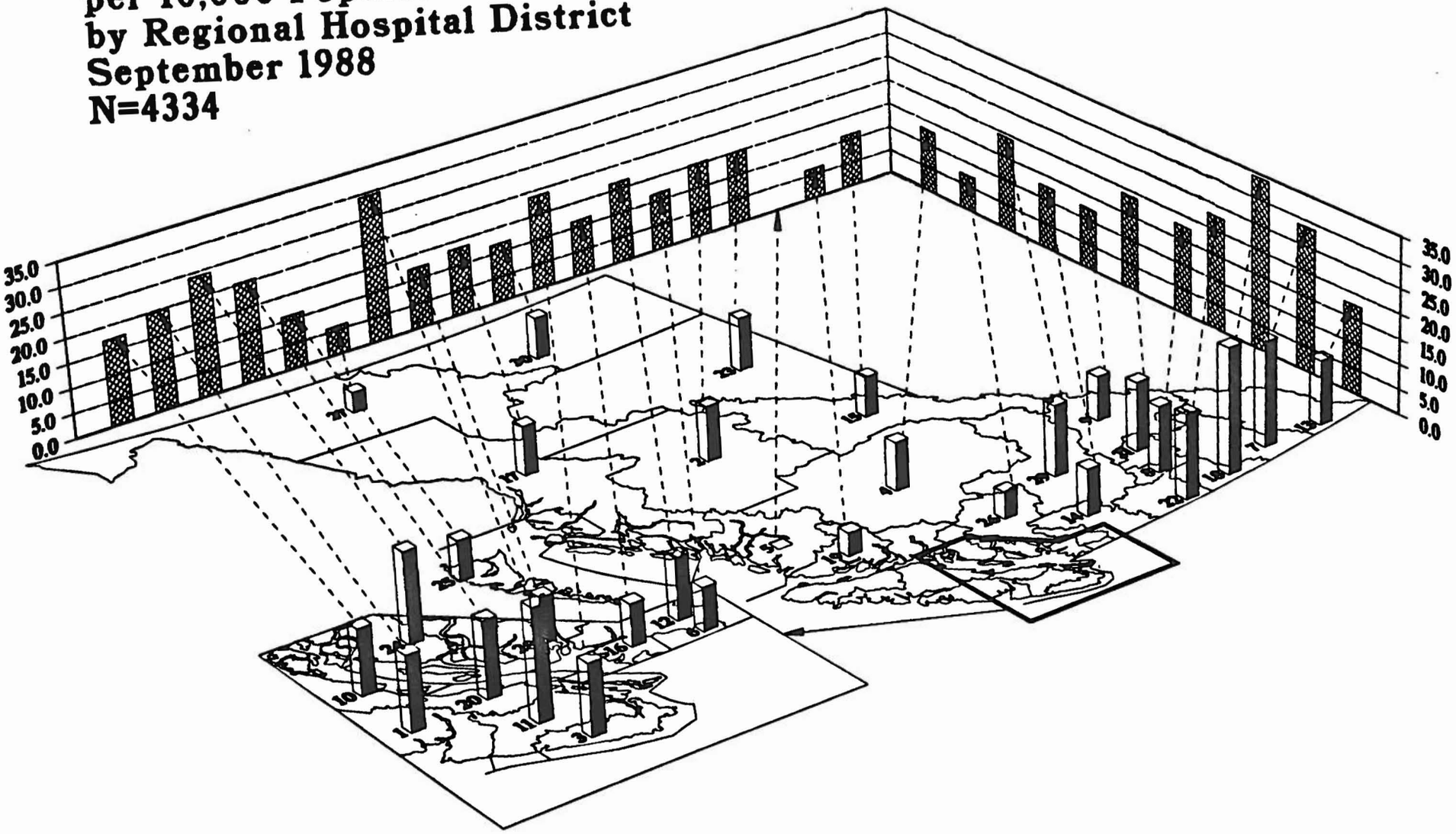


Table 1

Licensed Practical Nurses[1] in British Columbia

by Regional Hospital District by Employment Status

September 1988

Regional Hospital District	Employed in Nursing: Regular	Employed in Nursing: Casual/ Seasonal	Employed in Nursing: Subtotal[2]	Employed in other than Nursing	Not Employed	Unknown	Total
Non-Metropolitan - Subtotal	**1,594**	**695**	**2,336**	**268**	**477**	**58**	**3,139**
1 Alberni-Clayoquot	37	21	59	8	8	1	76
2 Bulkley-Nechako	38	18	56	8	11	1	76
4 Cariboo	42	36	79	11	27	2	119
5 Central Coast	0	0	0	0	0	0	0
6 Central Fraser Valley	114	51	170	25	49	4	248
7 Central Kootenay	92	41	136	11	19	3	169
8 Central Okanagan	113	49	167	16	30	4	217
9 Columbia-Shuswap	34	12	48	10	11	3	72
10 Comox-Strathcona	100	23	126	17	34	6	183
11 Cowichan Valley	108	45	157	12	31	3	203
12 Dewdney-Alouette	83	41	125	8	14	3	150
13 East Kootenay	52	33	87	16	21	1	125
14 Fraser-Cheam	60	16	76	6	15	2	99
15 Fraser-Fort George	55	42	97	25	25	0	147
17 Kitimat-Stikine	40	14	54	7	6	0	67
18 Kootenay Boundary	68	31	101	3	12	4	120
19 Mount Waddington	6	3	9	6	6	0	21
20 Nanaimo	111	54	170	17	34	7	228
21 North Okanagan	72	31	106	13	18	7	144
22 Okanagan-Similkameen	106	31	139	11	16	2	168
23 Peace River	53	20	76	7	19	2	104
24 Powell River	28	13	42	5	14	1	62
25 Skeena-Queen Charlotte	18	7	25	6	7	0	38
26 Squamish-Lillooet	9	6	15	4	5	0	24
27 Stikine	0	1	1	1	0	0	2
28 Sunshine Coast	14	7	21	0	7	0	28
29 Thompson-Nicola	136	49	188	14	34	2	238
30 Fort Nelson/Liard	5	0	6	1	4	0	11
Metropolitan - Subtotal	**1,499**	**442**	**1,998**	**193**	**320**	**51**	**2,562**
3 Capital	392	112	517	44	87	12	660
16 Greater Vancouver	1,107	330	1,481	149	233	39	1,902
TOTAL	**3,093**	**1,137**	**4,334**	**461**	**797**	**109**	**5,701**

[1]Definitions are as in the attached text.
[2]Includes 104 LPNs who have indicated employment in nursing but did not specify regular or casual employment.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 2

Licensed Practical Nurses[1] Employed in Nursing in British Columbia

by Regional Hospital District

September 1987 and September 1988

Regional Hospital District	Number 1987[2]	Number 1988	Number per 10,000 Population 1987[2]	Number per 10,000 Population 1988	Average Annual Rate of Change Number[3]	Average Annual Rate of Change Ratio[4]
Non-Metropolitan - Subtotal	**2,335**	**2,336**	**17.10**	**16.97**	**0.04**	**-0.77**
1 Alberni-Clayoquot	61	59	20.26	19.74	-3.28	-2.56
2 Bulkley-Nechako	56	56	15.15	15.15	0.0	-0.06
4 Cariboo	82	79	13.56	13.08	-3.66	-3.59
5 Central Coast	0	0	0.0	0.0	*	*
6 Central Fraser Valley	169	170	11.92	11.52	0.59	-3.32
7 Central Kootenay	140	136	29.06	28.74	-2.86	-1.10
8 Central Okanagan	164	167	17.87	17.77	1.83	-0.56
9 Columbia-Shuswap	50	48	12.70	12.33	-4.00	-2.89
10 Comox-Strathcona	134	126	18.67	17.36	-5.97	-6.99
11 Cowichan Valley	162	157	30.64	29.36	-3.09	-4.18
12 Dewdney-Alouette	131	125	17.99	16.41	-4.58	-8.79
13 East Kootenay	88	87	17.37	17.72	-1.14	1.99
14 Fraser-Cheam	72	76	12.22	12.69	5.56	3.87
15 Fraser-Fort George	93	97	10.54	11.08	4.30	5.16
17 Kitimat-Stikine	62	54	15.55	13.44	-12.90	-13.56
18 Kootenay Boundary	97	101	32.59	34.26	4.12	5.14
19 Mount Waddington	11	9	7.54	6.26	-18.18	-16.99
20 Nanaimo	160	170	19.08	20.21	6.25	5.91
21 North Okanagan	111	106	20.03	18.84	-4.50	-5.93
22 Okanagan-Similkameen	141	139	23.45	22.79	-1.42	-2.79
23 Peace River	77	76	15.02	14.92	-1.30	-0.71
24 Powell River	42	42	23.68	24.12	0.0	1.85
25 Skeena-Queen Charlotte	18	25	7.78	10.88	38.89	39.83
26 Squamish-Lillooet	12	15	5.93	7.24	25.00	22.19
27 Stikine	0	1	0.0	5.75	*	*
28 Sunshine Coast	20	21	11.79	12.23	5.00	3.76
29 Thompson-Nicola	177	188	18.05	19.20	6.21	6.39
30 Fort Nelson/Liard	5	6	9.61	11.70	*	*
Metropolitan - Subtotal	**2,055**	**1,998**	**13.18**	**12.55**	**-2.77**	**-4.81**
3 Capital	527	517	19.53	18.83	-1.90	-3.60
16 Greater Vancouver	1,528	1,481	11.85	11.24	-3.08	-5.18
TOTAL	**4,390**	**4,334**	**15.02**	**14.60**	**-1.28**	**-2.78**

[1]Definitions are as in the attached text.
[2]The figures differ from the corresponding figures appearing in ROLLCALL 87. See Introduction.
[3]Rate of change (in percent) in the number.
[4]Rate of change (in percent) in the number per 10,000 population.
*Indicates that the base for the rate of change was less than 10.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 3

Licensed Practical Nurses[1] Employed in Nursing in British Columbia

by Regional Hospital District by Place of Employment

September 1988

Regional Hospital District	Acute Care Hospital	Activation/ Rehab. Hospital	Extended Care Hospital	Long Term Care Facility	Psychiatric Hospital	Institutional Care Subtotal
Non-Metropolitan - Subtotal	**1,574**	**10**	**396**	**193**	**13**	**2,186**
1 Alberni-Clayoquot	44	1	3	8	2	58
2 Bulkley-Nechako	48	0	0	1	0	49
4 Cariboo	58	0	16	2	0	76
5 Central Coast	0	0	0	0	0	0
6 Central Fraser Valley	131	2	11	18	3	165
7 Central Kootenay	77	0	34	10	0	121
8 Central Okanagan	78	1	62	10	0	151
9 Columbia-Shuswap	33	0	7	2	0	42
10 Comox-Strathcona	85	0	16	15	0	116
11 Cowichan Valley	45	3	76	27	0	151
12 Dewdney-Alouette	89	0	17	9	5	120
13 East Kootenay	65	0	10	7	0	82
14 Fraser-Cheam	64	1	5	3	1	74
15 Fraser-Fort George	66	0	7	12	0	85
17 Kitimat-Stikine	50	0	1	0	0	51
18 Kootenay Boundary	61	0	26	8	2	97
19 Mount Waddington	9	0	0	0	0	9
20 Nanaimo	121	1	20	16	0	158
21 North Okanagan	58	0	35	8	0	101
22 Okanagan-Similkameen	103	1	24	6	0	134
23 Peace River	51	0	6	13	0	70
24 Powell River	30	0	3	9	0	42
25 Skeena-Queen Charlotte	19	0	2	0	0	21
26 Squamish-Lillooet	12	0	1	0	0	13
27 Stikine	1	0	0	0	0	1
28 Sunshine Coast	17	0	2	1	0	20
29 Thompson-Nicola	154	0	12	8	0	174
30 Fort Nelson/Liard	5	0	0	0	0	5
Metropolitan - Subtotal	**1,110**	**111**	**290**	**219**	**24**	**1,754**
3 Capital	176	61	148	67	6	458
16 Greater Vancouver	934	50	142	152	18	1,296
TOTAL	**2,684**	**121**	**686**	**412**	**37**	**3,940**

[1]Definitions are as in the attached text.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

... *continued*

Table 3
(Continued)

Licensed Practical Nurses[1] Employed in Nursing in British Columbia

by Regional Hospital District by Place of Employment

September 1988

Regional Hospital District	Home Care/ Visiting Care Agency	Community Health Agency	Physician's Office/Family Practice Unit	Educational Institution	Business/ Industry	Other[2]	Total
Non-Metropolitan - Subtotal	32	10	71	4	5	28	2,336
1 Alberni-Clayoquot	0	0	1	0	0	0	59
2 Bulkley-Nechako	0	0	7	0	0	0	56
4 Cariboo	0	0	2	0	0	1	79
5 Central Coast	0	0	0	0	0	0	0
6 Central Fraser Valley	0	0	2	0	1	2	170
7 Central Kootenay	4	0	8	0	1	2	136
8 Central Okanagan	4	0	4	3	0	5	167
9 Columbia-Shuswap	2	0	1	0	0	3	48
10 Comox-Strathcona	4	1	3	0	1	1	126
11 Cowichan Valley	0	0	5	0	0	1	157
12 Dewdney-Alouette	1	2	2	0	0	0	125
13 East Kootenay	0	0	2	0	0	3	87
14 Fraser-Cheam	1	0	1	0	0	0	76
15 Fraser-Fort George	2	1	7	0	0	2	97
17 Kitimat-Stikine	0	0	2	0	0	1	54
18 Kootenay Boundary	2	1	1	0	0	0	101
19 Mount Waddington	0	0	0	0	0	0	9
20 Nanaimo	5	1	2	1	1	2	170
21 North Okanagan	3	0	1	0	0	1	106
22 Okanagan-Similkameen	1	1	3	0	0	0	139
23 Peace River	0	0	6	0	0	0	76
24 Powell River	0	0	0	0	0	0	42
25 Skeena-Queen Charlotte	1	0	1	0	1	1	25
26 Squamish-Lillooet	1	1	0	0	0	0	15
27 Stikine	0	0	0	0	0	0	1
28 Sunshine Coast	1	0	0	0	0	0	21
29 Thompson-Nicola	0	2	9	0	0	3	188
30 Fort Nelson/Liard	0	0	1	0	0	0	6
Metropolitan - Subtotal	84	24	49	9	12	66	1,998
3 Capital	19	2	12	1	5	20	517
16 Greater Vancouver	65	22	37	8	7	46	1,481
TOTAL	116	34	120	13	17	94	4,334

[1]Definitions are as in the attached text.
[2]Includes 42 LPNs who did not provide this information.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 4

Licensed Practical Nurses[1] Employed in Nursing in British Columbia

per 10,000 Population by Regional Hospital District by Place of Employment

September 1988

Regional Hospital District	Acute Care Hospital	Activation/ Rehab. Hospital	Extended Care Hospital	Long Term Care Facility	Psychiatric Hospital	Institutional Care Subtotal
Non-Metropolitan - Subtotal	**11.44**	**0.07**	**2.88**	**1.40**	**0.09**	**15.88**
1 Alberni-Clayoquot	14.72	0.33	1.00	2.68	0.67	19.41
2 Bulkley-Nechako	12.98	0.0	0.0	0.27	0.0	13.25
4 Cariboo	9.60	0.0	2.65	0.33	0.0	12.58
5 Central Coast	0.0	0.0	0.0	0.0	0.0	0.0
6 Central Fraser Valley	8.88	0.14	0.75	1.22	0.20	11.18
7 Central Kootenay	16.27	0.0	7.19	2.11	0.0	25.57
8 Central Okanagan	8.30	0.11	6.60	1.06	0.0	16.06
9 Columbia-Shuswap	8.48	0.0	1.80	0.51	0.0	10.79
10 Comox-Strathcona	11.71	0.0	2.21	2.07	0.0	15.99
11 Cowichan Valley	8.42	0.56	14.21	5.05	0.0	28.24
12 Dewdney-Alouette	11.69	0.0	2.23	1.18	0.66	15.76
13 East Kootenay	13.24	0.0	2.04	1.43	0.0	16.70
14 Fraser-Cheam	10.69	0.17	0.83	0.50	0.17	12.36
15 Fraser-Fort George	7.54	0.0	0.80	1.37	0.0	9.71
17 Kitimat-Stikine	12.44	0.0	0.25	0.0	0.0	12.69
18 Kootenay Boundary	20.69	0.0	8.82	2.71	0.68	32.90
19 Mount Waddington	6.26	0.0	0.0	0.0	0.0	6.26
20 Nanaimo	14.38	0.12	2.38	1.90	0.0	18.78
21 North Okanagan	10.31	0.0	6.22	1.42	0.0	17.95
22 Okanagan-Similkameen	16.89	0.16	3.94	0.98	0.0	21.97
23 Peace River	10.01	0.0	1.18	2.55	0.0	13.74
24 Powell River	17.23	0.0	1.72	5.17	0.0	24.12
25 Skeena-Queen Charlotte	8.27	0.0	0.87	0.0	0.0	9.14
26 Squamish-Lillooet	5.80	0.0	0.48	0.0	0.0	6.28
27 Stikine	5.75	0.0	0.0	0.0	0.0	5.75
28 Sunshine Coast	9.90	0.0	1.16	0.58	0.0	11.65
29 Thompson-Nicola	15.73	0.0	1.23	0.82	0.0	17.77
30 Fort Nelson/Liard	9.75	0.0	0.0	0.0	0.0	9.75
Metropolitan - Subtotal	**6.97**	**0.70**	**1.82**	**1.38**	**0.15**	**11.01**
3 Capital	6.41	2.22	5.39	2.44	0.22	16.68
16 Greater Vancouver	7.09	0.38	1.08	1.15	0.14	9.83
TOTAL	**9.04**	**0.41**	**2.31**	**1.39**	**0.12**	**13.27**

[1]Definitions are as in the attached text.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

... *continued*

Table 4
(Continued)

Licensed Practical Nurses[1] Employed in Nursing in British Columbia

per 10,000 Population by Regional Hospital District by Place of Employment

September 1988

Regional Hospital District	Home Care/ Visiting Care Agency	Community Health Agency	Physician's Office/Family Practice Unit	Educational Institution	Business/ Industry	Other[1]	Total
Non-Metropolitan - Subtotal	0.23	0.07	0.52	0.03	0.04	0.20	16.97
1 Alberni-Clayoquot	0.0	0.0	0.33	0.0	0.0	0.0	19.74
2 Bulkley-Nechako	0.0	0.0	1.89	0.0	0.0	0.0	15.15
4 Cariboo	0.0	0.0	0.33	0.0	0.0	0.17	13.08
5 Central Coast	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Central Fraser Valley	0.0	0.0	0.14	0.0	0.07	0.14	11.52
7 Central Kootenay	0.85	0.0	1.69	0.0	0.21	0.42	28.74
8 Central Okanagan	0.43	0.0	0.43	0.32	0.0	0.53	17.77
9 Columbia-Shuswap	0.51	0.0	0.26	0.0	0.0	0.77	12.33
10 Comox-Strathcona	0.55	0.14	0.41	0.0	0.14	0.14	17.36
11 Cowichan Valley	0.0	0.0	0.94	0.0	0.0	0.19	29.36
12 Dewdney-Alouette	0.13	0.26	0.26	0.0	0.0	0.0	16.41
13 East Kootenay	0.0	0.0	0.41	0.0	0.0	0.61	17.72
14 Fraser-Cheam	0.17	0.0	0.17	0.0	0.0	0.0	12.69
15 Fraser-Fort George	0.23	0.11	0.80	0.0	0.0	0.23	11.08
17 Kitimat-Stikine	0.0	0.0	0.50	0.0	0.0	0.25	13.44
18 Kootenay Boundary	0.68	0.34	0.34	0.0	0.0	0.0	34.26
19 Mount Waddington	0.0	0.0	0.0	0.0	0.0	0.0	6.26
20 Nanaimo	0.59	0.12	0.24	0.12	0.12	0.24	20.21
21 North Okanagan	0.53	0.0	0.18	0.0	0.0	0.18	18.84
22 Okanagan-Similkameen	0.16	0.16	0.49	0.0	0.0	0.0	22.79
23 Peace River	0.0	0.0	1.18	0.0	0.0	0.0	14.92
24 Powell River	0.0	0.0	0.0	0.0	0.0	0.0	24.12
25 Skeena-Queen Charlotte	0.44	0.0	0.44	0.0	0.44	0.44	10.88
26 Squamish-Lillooet	0.48	0.48	0.0	0.0	0.0	0.0	7.24
27 Stikine	0.0	0.0	0.0	0.0	0.0	0.0	5.75
28 Sunshine Coast	0.58	0.0	0.0	0.0	0.0	0.0	12.23
29 Thompson-Nicola	0.0	0.20	0.92	0.0	0.0	0.31	19.20
30 Fort Nelson/Liard	0.0	0.0	1.95	0.0	0.0	0.0	11.70
Metropolitan - Subtotal	0.53	0.15	0.31	0.06	0.08	0.41	12.55
3 Capital	0.69	0.07	0.44	0.04	0.18	0.73	18.83
16 Greater Vancouver	0.49	0.17	0.28	0.06	0.05	0.35	11.24
TOTAL	0.39	0.11	0.40	0.04	0.06	0.32	14.60

[1]Definitions are as in the attached text.
[2]Includes 42 LPNs who did not provide this information (see Table 3).

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 5

Licensed Practical Nurses[1] Employed in Nursing in British Columbia

by Regional Hospital District by Field of Practice

September 1988

Regional Hospital District	Medical/ Surgical General	Medical/ Surgical Specialties	Maternal/ Newborn	Psychiatric	Paediatric	Geriatric
Non-Metropolitan - Subtotal	**875**	**67**	**63**	**36**	**66**	**606**
1 Alberni-Clayoquot	17	0	0	2	0	15
2 Bulkley-Nechako	24	0	1	0	0	1
4 Cariboo	22	7	3	0	2	20
5 Central Coast	0	0	0	0	0	0
6 Central Fraser Valley	90	6	7	7	2	24
7 Central Kootenay	33	3	1	2	0	45
8 Central Okanagan	53	2	6	5	1	73
9 Columbia-Shuswap	17	0	0	1	1	12
10 Comox-Strathcona	48	3	0	0	2	43
11 Cowichan Valley	28	1	0	2	4	91
12 Dewdney-Alouette	50	2	7	4	2	27
13 East Kootenay	40	3	0	0	0	18
14 Fraser-Cheam	31	2	1	1	5	8
15 Fraser-Fort George	36	8	7	2	5	16
17 Kitimat-Stikine	21	5	8	1	3	0
18 Kootenay Boundary	37	2	0	2	4	33
19 Mount Waddington	3	0	0	0	0	0
20 Nanaimo	72	4	3	1	5	42
21 North Okanagan	27	0	0	3	13	38
22 Okanagan-Similkameen	59	6	5	0	4	37
23 Peace River	32	1	2	0	0	21
24 Powell River	18	0	0	0	0	16
25 Skeena-Queen Charlotte	17	0	1	0	0	2
26 Squamish-Lillooet	3	0	1	0	0	1
27 Stikine	0	0	0	0	0	0
28 Sunshine Coast	10	0	0	0	1	3
29 Thompson-Nicola	87	11	10	3	12	20
30 Fort Nelson/Liard	0	1	0	0	0	0
Metropolitan - Subtotal	**638**	**120**	**61**	**40**	**59**	**583**
3 Capital	113	31	1	12	2	234
16 Greater Vancouver	525	89	60	28	57	349
TOTAL	**1,513**	**187**	**124**	**76**	**125**	**1,189**

[1]Definitions are as in the attached text.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

... *continued*

Table 5
(Continued)

Licensed Practical Nurses[1] Employed in Nursing in British Columbia

by Regional Hospital District by Field of Practice

September 1988

Regional Hospital District	Generalized Practice	Teaching, Administration & Research[2]	Other	Unknown	Total
Non-Metropolitan - Subtotal	355	9	117	142	2,336
1 Alberni-Clayoquot	17	1	3	4	59
2 Bulkley-Nechako	24	1	5	0	56
4 Cariboo	18	0	2	5	79
5 Central Coast	0	0	0	0	0
6 Central Fraser Valley	20	0	6	8	170
7 Central Kootenay	29	2	12	9	136
8 Central Okanagan	2	1	11	13	167
9 Columbia-Shuswap	12	0	1	4	48
10 Comox-Strathcona	13	0	6	11	126
11 Cowichan Valley	13	0	9	9	157
12 Dewdney-Alouette	17	1	6	9	125
13 East Kootenay	15	0	4	7	87
14 Fraser-Cheam	18	0	6	4	76
15 Fraser-Fort George	10	1	6	6	97
17 Kitimat-Stikine	9	0	3	4	54
18 Kootenay Boundary	14	0	3	6	101
19 Mount Waddington	4	0	0	2	9
20 Nanaimo	23	1	11	8	170
21 North Okanagan	11	1	2	11	106
22 Okanagan-Similkameen	21	0	3	4	139
23 Peace River	13	0	2	5	76
24 Powell River	7	0	0	1	42
25 Skeena-Queen Charlotte	3	0	0	2	25
26 Squamish-Lillooet	9	0	0	1	15
27 Stikine	0	0	1	0	1
28 Sunshine Coast	4	0	2	1	21
29 Thompson-Nicola	25	0	13	7	188
30 Fort Nelson/Liard	4	0	0	1	6
Metropolitan - Subtotal	148	21	181	147	1,998
3 Capital	29	8	51	36	517
16 Greater Vancouver	119	13	130	111	1,481
TOTAL	503	30	298	289	4,334

[1]Definitions are as in the attached text.
[2]There are 8 LPNs involved in teaching, 21 in administration and 1 in research.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 6

Licensed Practical Nurses[1] Employed in Nursing in British Columbia

per 10,000 Population by Regional Hospital District by Field of Practice

September 1988

Regional Hospital District	Medical/ Surgical General	Medical/ Surgical Specialties	Maternal/ Newborn	Psychiatric	Paediatric	Geriatric
Non-Metropolitan - Subtotal	**6.36**	**0.49**	**0.46**	**0.26**	**0.48**	**4.40**
1 Alberni-Clayoquot	5.69	0.0	0.0	0.67	0.0	5.02
2 Bulkley-Nechako	6.49	0.0	0.27	0.0	0.0	0.27
4 Cariboo	3.64	1.16	0.50	0.0	0.33	3.31
5 Central Coast	0.0	0.0	0.0	0.0	0.0	0.0
6 Central Fraser Valley	6.10	0.41	0.47	0.47	0.14	1.63
7 Central Kootenay	6.97	0.63	0.21	0.42	0.0	9.51
8 Central Okanagan	5.64	0.21	0.64	0.53	0.11	7.77
9 Columbia-Shuswap	4.37	0.0	0.0	0.26	0.26	3.08
10 Comox-Strathcona	6.62	0.41	0.0	0.0	0.28	5.93
11 Cowichan Valley	5.24	0.19	0.0	0.37	0.75	17.02
12 Dewdney-Alouette	6.57	0.26	0.92	0.53	0.26	3.55
13 East Kootenay	8.15	0.61	0.0	0.0	0.0	3.67
14 Fraser-Cheam	5.18	0.33	0.17	0.17	0.83	1.34
15 Fraser-Fort George	4.11	0.91	0.80	0.23	0.57	1.83
17 Kitimat-Stikine	5.23	1.24	1.99	0.25	0.75	0.0
18 Kootenay Boundary	12.55	0.68	0.0	0.68	1.36	11.19
19 Mount Waddington	2.09	0.0	0.0	0.0	0.0	0.0
20 Nanaimo	8.56	0.48	0.36	0.12	0.59	4.99
21 North Okanagan	4.80	0.0	0.0	0.53	2.31	6.76
22 Okanagan-Similkameen	9.67	0.98	0.82	0.0	0.66	6.07
23 Peace River	6.28	0.20	0.39	0.0	0.0	4.12
24 Powell River	10.34	0.0	0.0	0.0	0.0	9.19
25 Skeena-Queen Charlotte	7.40	0.0	0.44	0.0	0.0	0.87
26 Squamish-Lillooet	1.45	0.0	0.48	0.0	0.0	0.48
27 Stikine	0.0	0.0	0.0	0.0	0.0	0.0
28 Sunshine Coast	5.82	0.0	0.0	0.0	0.58	1.75
29 Thompson-Nicola	8.89	1.12	1.02	0.31	1.23	2.04
30 Fort Nelson/Liard	0.0	1.95	0.0	0.0	0.0	0.0
Metropolitan - Subtotal	**4.01**	**0.75**	**0.38**	**0.25**	**0.37**	**3.66**
3 Capital	4.12	1.13	0.04	0.44	0.07	8.52
16 Greater Vancouver	3.98	0.68	0.46	0.21	0.43	2.65
TOTAL	**5.10**	**0.63**	**0.42**	**0.26**	**0.42**	**4.01**

[1]Definitions are as in the attached text.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

... *continued*

Table 6
(Continued)

Licensed Practical Nurses[1] Employed in Nursing in British Columbia

per 10,000 Population by Regional Hospital District by Field of Practice

September 1988

Regional Hospital District	Generalized Practice	Teaching, Administration & Research[2]	Other	Unknown	Total
Non-Metropolitan - Subtotal	**2.58**	**0.07**	**0.85**	**1.03**	**16.97**
1 Alberni-Clayoquot	5.69	0.33	1.00	1.34	19.74
2 Bulkley-Nechako	6.49	0.27	1.35	0.0	15.15
4 Cariboo	2.98	0.0	0.33	0.83	13.08
5 Central Coast	0.0	0.0	0.0	0.0	0.0
6 Central Fraser Valley	1.36	0.0	0.41	0.54	11.52
7 Central Kootenay	6.13	0.42	2.54	1.90	28.74
8 Central Okanagan	0.21	0.11	1.17	1.38	17.77
9 Columbia-Shuswap	3.08	0.0	0.26	1.03	12.33
10 Comox-Strathcona	1.79	0.0	0.83	1.52	17.36
11 Cowichan Valley	2.43	0.0	1.68	1.68	29.36
12 Dewdney-Alouette	2.23	0.13	0.79	1.18	16.41
13 East Kootenay	3.05	0.0	0.81	1.43	17.72
14 Fraser-Cheam	3.01	0.0	1.00	0.67	12.69
15 Fraser-Fort George	1.14	0.11	0.69	0.69	11.08
17 Kitimat-Stikine	2.24	0.0	0.75	1.00	13.44
18 Kootenay Boundary	4.75	0.0	1.02	2.04	34.26
19 Mount Waddington	2.78	0.0	0.0	1.39	6.26
20 Nanaimo	2.73	0.12	1.31	0.95	20.21
21 North Okanagan	1.96	0.18	0.36	1.96	18.84
22 Okanagan-Similkameen	3.44	0.0	0.49	0.66	22.79
23 Peace River	2.55	0.0	0.39	0.98	14.92
24 Powell River	4.02	0.0	0.0	0.57	24.12
25 Skeena-Queen Charlotte	1.31	0.0	0.0	0.87	10.88
26 Squamish-Lillooet	4.35	0.0	0.0	0.48	7.24
27 Stikine	0.0	0.0	5.75	0.0	5.75
28 Sunshine Coast	2.33	0.0	1.16	0.58	12.23
29 Thompson-Nicola	2.55	0.0	1.33	0.71	19.20
30 Fort Nelson/Liard	7.80	0.0	0.0	1.95	11.70
Metropolitan - Subtotal	**0.93**	**0.13**	**1.14**	**0.92**	**12.55**
3 Capital	1.06	0.29	1.86	1.31	18.83
16 Greater Vancouver	0.90	0.10	0.99	0.84	11.24
TOTAL	**1.69**	**0.10**	**1.00**	**0.97**	**14.60**

[1]Definitions are as in the attached text.
[2]There are 8 LPNs involved in teaching, 21 in administration and 1 in research (see Table 5).

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 7

Licensed Practical Nurses[1] Employed in Nursing in British Columbia

by Regional Hospital District by Job Title

September 1988

Regional Hospital District	LPN	Long Term Care Aide	Unit Clerk	Other	Unknown	Total
Non-Metropolitan - Subtotal	**1,827**	**220**	**56**	**133**	**100**	**2,336**
1 Alberni-Clayoquot	47	6	0	4	2	59
2 Bulkley-Nechako	51	1	1	3	0	56
4 Cariboo	68	4	0	2	5	79
5 Central Coast	0	0	0	0	0	0
6 Central Fraser Valley	132	15	8	9	6	170
7 Central Kootenay	107	16	1	8	4	136
8 Central Okanagan	131	9	3	15	9	167
9 Columbia-Shuswap	40	3	0	1	4	48
10 Comox-Strathcona	85	27	1	6	7	126
11 Cowichan Valley	136	9	1	5	6	157
12 Dewdney-Alouette	90	13	8	7	7	125
13 East Kootenay	62	12	0	6	7	87
14 Fraser-Cheam	59	5	5	5	2	76
15 Fraser-Fort George	59	16	4	13	5	97
17 Kitimat-Stikine	51	0	0	1	2	54
18 Kootenay Boundary	85	8	3	1	4	101
19 Mount Waddington	5	2	0	0	2	9
20 Nanaimo	117	35	3	10	5	170
21 North Okanagan	78	9	4	8	7	106
22 Okanagan-Similkameen	121	7	2	8	1	139
23 Peace River	65	4	1	2	4	76
24 Powell River	39	0	0	1	2	42
25 Skeena-Queen Charlotte	20	0	2	3	0	25
26 Squamish-Lillooet	13	0	0	1	1	15
27 Stikine	1	0	0	0	0	1
28 Sunshine Coast	14	3	1	1	2	21
29 Thompson-Nicola	145	16	8	13	6	188
30 Fort Nelson/Liard	6	0	0	0	0	6
Metropolitan - Subtotal	**1,505**	**157**	**54**	**194**	**88**	**1,998**
3 Capital	396	41	7	49	24	517
16 Greater Vancouver	1,109	116	47	145	64	1,481
TOTAL	**3,332**	**377**	**110**	**327**	**188**	**4,334**

[1]Definitions are as in the attached text.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 8

Licensed Practical Nurses[1] Employed in Nursing in British Columbia per 10,000 Population by Regional Hospital District by Job Title

September 1988

Regional Hospital District	LPN	Long Term Care Aide	Unit Clerk	Other	Unknown	Total
Non-Metropolitan - Subtotal	**13.27**	**1.60**	**0.41**	**0.97**	**0.73**	**16.97**
1 Alberni-Clayoquot	15.73	2.01	0.0	1.34	0.67	19.74
2 Bulkley-Nechako	13.79	0.27	0.27	0.81	0.0	15.15
4 Cariboo	11.26	0.66	0.0	0.33	0.83	13.08
5 Central Coast	0.0	0.0	0.0	0.0	0.0	0.0
6 Central Fraser Valley	8.95	1.02	0.54	0.61	0.41	11.52
7 Central Kootenay	22.61	3.38	0.21	1.69	0.85	28.74
8 Central Okanagan	13.94	0.96	0.32	1.60	0.96	17.77
9 Columbia-Shuswap	10.28	0.77	0.0	0.26	1.03	12.33
10 Comox-Strathcona	11.71	3.72	0.14	0.83	0.96	17.36
11 Cowichan Valley	25.44	1.68	0.19	0.94	1.12	29.36
12 Dewdney-Alouette	11.82	1.71	1.05	0.92	0.92	16.41
13 East Kootenay	12.63	2.44	0.0	1.22	1.43	17.72
14 Fraser-Cheam	9.85	0.83	0.83	0.83	0.33	12.69
15 Fraser-Fort George	6.74	1.83	0.46	1.49	0.57	11.08
17 Kitimat-Stikine	12.69	0.0	0.0	0.25	0.50	13.44
18 Kootenay Boundary	28.83	2.71	1.02	0.34	1.36	34.26
19 Mount Waddington	3.48	1.39	0.0	0.0	1.39	6.26
20 Nanaimo	13.91	4.16	0.36	1.19	0.59	20.21
21 North Okanagan	13.87	1.60	0.71	1.42	1.24	18.84
22 Okanagan-Similkameen	19.84	1.15	0.33	1.31	0.16	22.79
23 Peace River	12.76	0.79	0.20	0.39	0.79	14.92
24 Powell River	22.39	0.0	0.0	0.57	1.15	24.12
25 Skeena-Queen Charlotte	8.71	0.0	0.87	1.31	0.0	10.88
26 Squamish-Lillooet	6.28	0.0	0.0	0.48	0.48	7.24
27 Stikine	5.75	0.0	0.0	0.0	0.0	5.75
28 Sunshine Coast	8.15	1.75	0.58	0.58	1.16	12.23
29 Thompson-Nicola	14.81	1.63	0.82	1.33	0.61	19.20
30 Fort Nelson/Liard	11.70	0.0	0.0	0.0	0.0	11.70
Metropolitan - Subtotal	**9.45**	**0.99**	**0.34**	**1.22**	**0.55**	**12.55**
3 Capital	14.42	1.49	0.25	1.78	0.87	18.83
16 Greater Vancouver	8.42	0.88	0.36	1.10	0.49	11.24
TOTAL	**11.22**	**1.27**	**0.37**	**1.10**	**0.63**	**14.60**

[1]Definitions are as in the attached text.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

PHARMACISTS

PHARMACISTS

Definition: The pharmacist

is responsible for the compounding, preparation and dispensing of a prescribed drug, the monitoring of drug therapy and use, the release of the drug to the patient with appropriate consultation, the safe and proper storage of the drug both within and without the pharmacy, and the distribution of specified non-prescription medications.[1]

Governing Statute: Pharmacists Act, Revised Statutes of British Columbia, 1979, Chapter 326, Sections 1-48 and 56-66, administered by the Ministry of Health.

Governing Body: The College of Pharmacists of British Columbia. In order to practise as a pharmacist in B.C., it is necessary to be registered by the College.

Date of Record: December 1987 and December 1988.

Source of Data: The College of Pharmacists of British Columbia.

Preparation and Updating:

Pharmacists registered in British Columbia apply annually for a licence from the College of Pharmacists of British Columbia. Notification of new registrants, or changes in location, employer, narcotic signing authority or managerial function are received on a monthly basis by the Health Manpower Research Unit. These updates, carefully prepared by the College, are then transferred into *PHMFILE*, a dynamic computer-based file.

The tables include pharmacists who had a B.C. address at the date of record.

---

[1]From information provided by the College of Pharmacists of British Columbia.

Definition of Terms:

1. **Type of Employer**

Pharmacists may or may not be employed in the field of pharmacy. Pharmaceutical employer is aggregated into the following categories:

a) Community pharmacy
b) Hospital pharmacy
c) Other

2. **Position of Employment**

Position of pharmaceutical employment is aggregated into the following categories:

a) Manager (employer or employee)
b) Dispensing pharmacist (non-manager)
c) Other

3. **Analysis of Change**

Table 4 illustrates the sources of change which affected the stock of pharmacists from December 1987 to December 1988.

New registrants are pharmacists included in the December 1988 stock who registered with the College of Pharmacists of B.C. for the first time subsequent to December 1987. New registrants are recorded according to their place of graduation; i.e., from U.B.C., Other Canadian Schools (O.Can), the United Kingdom (U.K.), or Other.

Re-activations (Re-Act) represent those pharmacists who did not renew their licence in B.C. in December 1987, but were licensed in B.C. in December 1988, and whose date of initial registration was before October 1987.

Attrition(Attr'n) describes pharmacists who were included in the December 1987 stock but who, because of death, retirement, suspension, out-of-province relocation or non-renewal of licensure were not included in the December 1988 stock.

Migration (Migr'n) describes the net effect of intraprovincial migration: it records the flow of pharmacists among different Regional Hospital Districts. The net migration total is therefore zero.

Pharmacists
per 10,000 Population
by Regional Hospital District
December 1988
N=2257

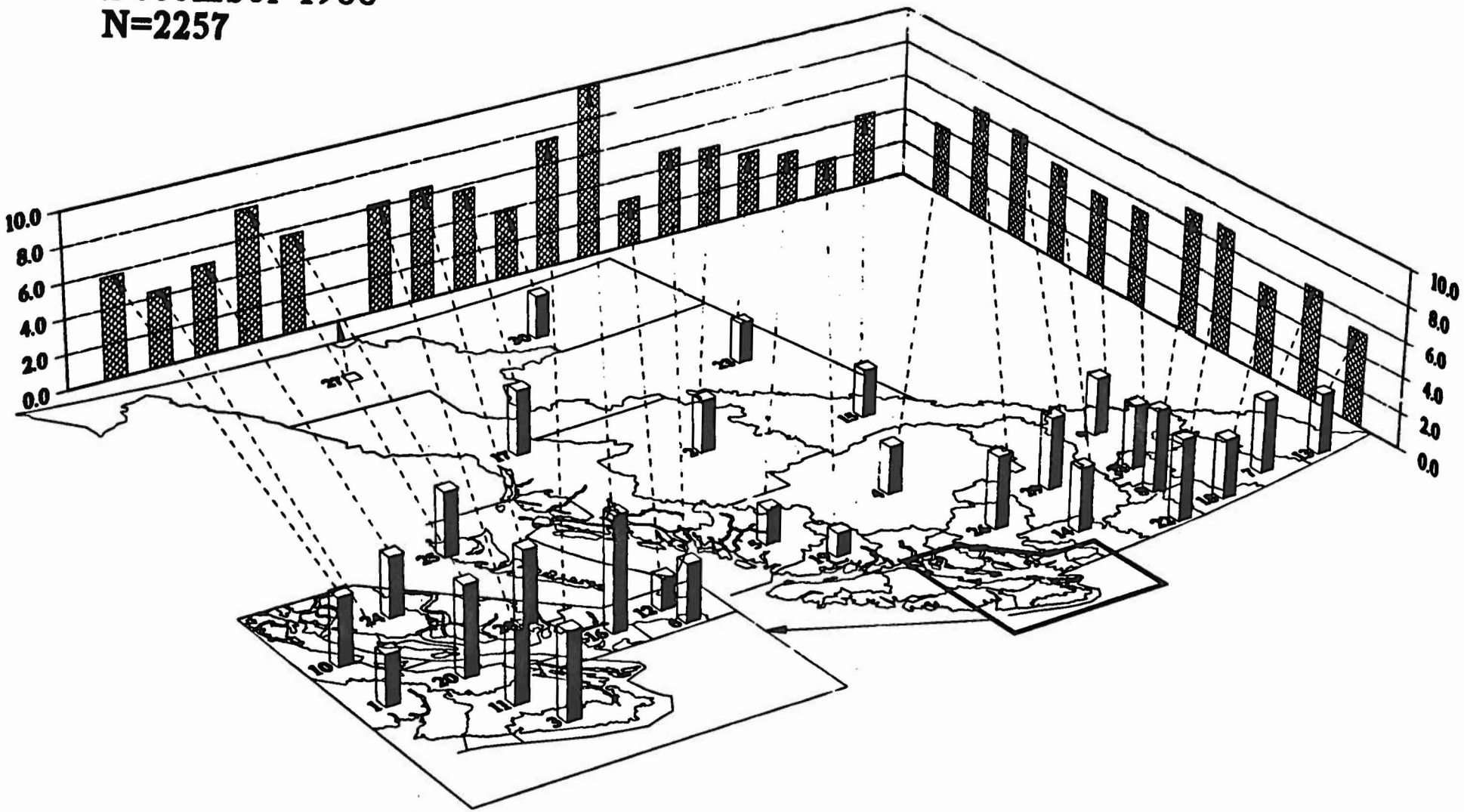


Table 1

Pharmacists[1] in British Columbia

by Regional Hospital District

December 1987 and December 1988

Regional Hospital District	Number 1987	Number 1988	Number Per 10,000 Population 1987[2]	Number Per 10,000 Population 1988	Average Annual Rate of Change Number[3]	Average Annual Rate of Change Ratio[4]
Non-Metropolitan - Subtotal	701	746	5.13	5.42	6.42	5.55
1 Alberni-Clayoquot	13	13	4.32	4.35	0.0	0.74
2 Bulkley-Nechako	17	17	4.60	4.60	0.0	-0.06
4 Cariboo	27	25	4.47	4.14	-7.41	-7.34
5 Central Coast	2	1	6.22	3.08	•	•
6 Central Fraser Valley	68	74	4.80	5.02	8.82	4.59
7 Central Kootenay	26	30	5.40	6.34	15.38	17.48
8 Central Okanagan	62	66	6.75	7.02	6.45	3.95
9 Columbia-Shuswap	18	20	4.57	5.14	11.11	12.40
10 Comox-Strathcona	38	42	5.29	5.79	10.53	9.32
11 Cowichan Valley	27	33	5.11	6.17	22.22	20.85
12 Dewdney-Alouette	21	21	2.88	2.76	0.0	-4.41
13 East Kootenay	26	26	5.13	5.29	0.0	3.17
14 Fraser-Cheam	30	33	5.09	5.51	10.00	8.24
15 Fraser-Fort George	38	37	4.31	4.23	-2.63	-1.83
17 Kitimat-Stikine	22	23	5.52	5.72	4.55	3.75
18 Kootenay Boundary	14	15	4.70	5.09	7.14	8.19
19 Mount Waddington	4	3	2.74	2.09	•	•
20 Nanaimo	61	65	7.27	7.73	6.56	6.21
21 North Okanagan	32	31	5.77	5.51	-3.12	-4.57
22 Okanagan-Similkameen	42	43	6.98	7.05	2.38	0.96
23 Peace River	17	19	3.32	3.73	11.76	12.43
24 Powell River	8	9	4.51	5.17	•	•
25 Skeena-Queen Charlotte	6	13	2.59	5.66	•	•
26 Squamish-Lillooet	11	13	5.43	6.28	18.18	15.53
27 Stikine	0	0	0.0	0.0	•	•
28 Sunshine Coast	9	11	5.30	6.41	•	•
29 Thompson-Nicola	60	61	6.12	6.23	1.67	1.83
30 Fort Nelson/Liard	2	2	3.85	3.90	•	•
Metropolitan - Subtotal	1,471	1,511	9.44	9.49	2.72	0.57
3 Capital	200	204	7.41	7.43	2.00	0.23
16 Greater Vancouver	1,271	1,307	9.86	9.92	2.83	0.60
TOTAL	2,172	2,257	7.43	7.60	3.91	2.33

[1]Definitions are as in attached text.
[2]These figures differ from the corresponding figures for 1987 appearing in ROLLCALL 87. See Introduction.
[3]Rate of change (in percent) in the number.
[4]Rate of change (in percent) in the number per 10,000 population.
•Indicates that the base for the rate of change was less than 10.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 2

Pharmacists[1] in British Columbia

by Regional Hospital District by Employment Status and Type of Employer

December 1988

Regional Hospital District	Employed in Pharmacy: Community Pharmacy	Employed in Pharmacy: Hospital Pharmacy	Employed in Pharmacy: Other	Employed in Pharmacy: Subtotal	Not Employed in Pharmacy	Total
Non-Metropolitan - Subtotal	558	93	7	658	88	746
1 Alberni-Clayoquot	11	2	0	13	0	13
2 Bulkley-Nechako	14	1	0	15	2	17
4 Cariboo	20	2	0	22	3	25
5 Central Coast	1	0	0	1	0	1
6 Central Fraser Valley	52	15	0	67	7	74
7 Central Kootenay	20	3	0	23	7	30
8 Central Okanagan	49	7	0	56	10	66
9 Columbia-Shuswap	12	4	0	16	4	20
10 Comox-Strathcona	33	4	1	38	4	42
11 Cowichan Valley	26	3	0	29	4	33
12 Dewdney-Alouette	15	2	2	19	2	21
13 East Kootenay	19	4	0	23	3	26
14 Fraser-Cheam	22	5	3	30	3	33
15 Fraser-Fort George	30	4	0	34	3	37
17 Kitimat-Stikine	17	4	0	21	2	23
18 Kootenay Boundary	12	2	0	14	1	15
19 Mount Waddington	3	0	0	3	0	3
20 Nanaimo	51	6	0	57	8	65
21 North Okanagan	23	4	0	27	4	31
22 Okanagan-Similkameen	33	5	0	38	5	43
23 Peace River	14	2	0	16	3	19
24 Powell River	7	1	0	8	1	9
25 Skeena-Queen Charlotte	9	2	0	11	2	13
26 Squamish-Lillooet	12	0	1	13	0	13
27 Stikine	0	0	0	0	0	0
28 Sunshine Coast	10	1	0	11	0	11
29 Thompson-Nicola	41	10	0	51	10	61
30 Fort Nelson/Liard	2	0	0	2	0	2
Metropolitan - Subtotal	940	278	59	1,277	234	1,511
3 Capital	140	37	4	181	23	204
16 Greater Vancouver	800	241	55	1,096	211	1,307
TOTAL	1,498	371	66	1,935	322	2,257

[1]Definitions are as in the attached text.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 3

Pharmacists[1] in British Columbia

by Regional Hospital District by Employment Status and Type of Position

December 1988

Regional Hospital District	Employed in Pharmacy: Manager	Employed in Pharmacy: Dispensing Pharmacist	Employed in Pharmacy: Other	Employed in Pharmacy: Subtotal	Not Employed in Pharmacy	Total
Non-Metropolitan - Subtotal	286	337	35	658	88	746
1 Alberni-Clayoquot	7	6	0	13	0	13
2 Bulkley-Nechako	9	6	0	15	2	17
4 Cariboo	12	9	1	22	3	25
5 Central Coast	1	0	0	1	0	1
6 Central Fraser Valley	24	39	4	67	7	74
7 Central Kootenay	12	11	0	23	7	30
8 Central Okanagan	19	33	4	56	10	66
9 Columbia-Shuswap	9	6	1	16	4	20
10 Comox-Strathcona	14	23	1	38	4	42
11 Cowichan Valley	15	14	0	29	4	33
12 Dewdney-Alouette	10	7	2	19	2	21
13 East Kootenay	10	12	1	23	3	26
14 Fraser-Cheam	11	16	3	30	3	33
15 Fraser-Fort George	16	16	2	34	3	37
17 Kitimat-Stikine	9	11	1	21	2	23
18 Kootenay Boundary	7	7	0	14	1	15
19 Mount Waddington	2	1	0	3	0	3
20 Nanaimo	18	37	2	57	8	65
21 North Okanagan	10	14	3	27	4	31
22 Okanagan-Similkameen	18	17	3	38	5	43
23 Peace River	8	8	0	16	3	19
24 Powell River	5	3	0	8	1	9
25 Skeena-Queen Charlotte	5	6	0	11	2	13
26 Squamish-Lillooet	6	5	2	13	0	13
27 Stikine	0	0	0	0	0	0
28 Sunshine Coast	7	4	0	11	0	11
29 Thompson-Nicola	21	26	4	51	10	61
30 Fort Nelson/Liard	1	0	1	2	0	2
Metropolitan - Subtotal	405	743	129	1,277	234	1,511
3 Capital	67	105	9	181	23	204
16 Greater Vancouver	338	638	120	1,096	211	1,307
TOTAL	691	1,080	164	1,935	322	2,257

[1]Definitions are as in the attached text.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 4

Analysis of Change in the Number of Pharmacists[1]

in British Columbia by Regional Hospital District

December 1987 to December 1988

Regional Hospital District	1987[3]	New Registrants[2] by Place of Graduation: B.C.	O.Can.[4]	U.K.	Other	Total	Re-Act[5]	Attr'n[6]	Migr'n[7]	1988[8]
Non-Metropolitan - Subtotal	701	33	7	1	0	41	4	14	14	746
1 Alberni-Clayoquot	13	2	0	0	0	2	0	0	-2	13
2 Bulkley-Nechako	17	1	0	0	0	1	0	0	-1	17
4 Cariboo	27	4	0	0	0	4	0	0	-6	25
5 Central Coast	2	0	0	0	0	0	0	0	-1	1
6 Central Fraser Valley	68	3	1	0	0	4	1	0	1	74
7 Central Kootenay	26	0	0	0	0	0	0	0	4	30
8 Central Okanagan	62	0	0	0	0	0	0	1	5	66
9 Columbia-Shuswap	18	1	2	0	0	3	0	0	-1	20
10 Comox-Strathcona	38	0	0	0	0	0	0	1	5	42
11 Cowichan Valley	27	2	0	0	0	2	0	0	4	33
12 Dewdney-Alouette	21	0	1	0	0	1	0	0	-1	21
13 East Kootenay	26	1	1	0	0	2	0	3	1	26
14 Fraser-Cheam	30	2	0	0	0	2	0	2	3	33
15 Fraser-Fort George	38	2	1	0	0	3	0	1	-3	37
17 Kitimat-Stikine	22	2	0	0	0	2	0	0	-1	23
18 Kootenay Boundary	14	1	0	0	0	1	0	0	0	15
19 Mount Waddington	4	0	0	0	0	0	0	0	-1	3
20 Nanaimo	61	3	0	0	0	3	0	3	4	65
21 North Okanagan	32	0	0	0	0	0	1	2	0	31
22 Okanagan-Similkameen	42	0	1	0	0	1	0	0	0	43
23 Peace River	17	2	0	0	0	2	0	0	0	19
24 Powell River	8	0	0	0	0	0	0	0	1	9
25 Skeena-Queen Charlotte	6	3	0	1	0	4	0	0	3	13
26 Squamish-Lillooet	11	0	0	0	0	0	0	0	2	13
27 Stikine	0	0	0	0	0	0	0	0	0	0
28 Sunshine Coast	9	0	0	0	0	0	0	0	2	11
29 Thompson-Nicola	60	4	0	0	0	4	2	1	-4	61
30 Fort Nelson/Liard	2	0	0	0	0	0	0	0	0	2
Metropolitan - Subtotal	1,471	72	15	3	2	92	22	60	-14	1,511
3 Capital	200	5	2	0	0	7	1	11	7	204
16 Greater Vancouver	1,271	67	13	3	2	85	21	49	-21	1,307
TOTAL	2,172	105	22	4	2	133	26	74	0	2,257

[1]Definitions are as in the attached text.
[2]Pharmacists licensed in B.C. in December 1988 and who were registered for the first time after December 1987.
[3]Number of pharmacists as at December 1987.
[4]Other Canada.
[5]Pharmacists licensed in B.C. in December 1988 but not in December 1987 and who were registered for the first time before January 1988.
[6]Pharmacists licensed in B.C. in December 1987 but not in December 1988.
[7]Net effect of intraprovincial migration.
[8]Number of pharmacists as at December 1988.
Prepared by:
Health Manpower Research Unit
The University of British Columbia

PHYSICIANS

PHYSICIANS

Definition: A physician in general practice

"Diagnoses and treats diseases, disorders and injuries of the human body: Questions and examines patient. Orders and performs laboratory tests, X-rays and other diagnostic procedures. Analyzes reports and findings of tests, X-rays and examination to diagnose condition. Prescribes and administers treatments and drugs. Prescribes physiotherapy and other remedial treatments. Inoculates and vaccinates patient to prevent communicable diseases. Advises patients to follow good diet, exercise and other health habits to aid in prevention of disease and disorders. Provides pre- and post-natal care, and delivers babies. Reports births, deaths and contagious diseases to governmental authorities. Refers patient to specialists, and assists in surgical procedures. Conducts insurance and pre-employment physical examinations. Performs surgery, if required."[1]

Governing Statute: Medical Practitioners Act, Revised Statutes of British Columbia, 1979, Chapter 254, administered by the Ministry of Health.

Governing Body: The College of Physicians and Surgeons of British Columbia (CPSBC). In order to practise medicine in B.C., it is necessary to be registered by the CPSBC.

Date of Record: September 1987 and September 1988.

Sources of Data: The College of Physicians and Surgeons of British Columbia, Medical Services Commission of British Columbia (MSC), and teaching hospitals and institutions in British Columbia.

Preparation and Updating:

An update tape is received by the Health Manpower Research Unit from the CPSBC on a monthly basis. Included on the tape are new registrants, changes in location, type of registration and specialty status for all physicians previously registered. These updates are entered into *DOCSFILE*, a dynamic computer-based file.

An additional file, *RESFILE*, is maintained with the cooperation of the teaching hospitals and educational institutions, to register and monitor the movement of interns and residents.

The tables include physicians who had a B.C. address at the date of record.

---

[1] *Canadian Classification and Dictionary of Occupations 1980.*
Major Group 31, No. 3111-166, p. 49, Ottawa: Employment and Immigration Canada.

Definition of Terms:

1. Directory Active Physicians

Directory Active Physicians are registered in British Columbia by the CPSBC. At the date of record, they were licensed to practise medicine. Directory Active includes physicians who are on the full, special or temporary registers (temporary includes those who are in postgraduate training or who have a temporary licence to practise).

2. Registration Status

Tables 1, 2 and 3 include those physicians who, at the date of record, were Directory Active:

Non-Postgraduate

Non-Postgraduates are Directory Active Physicians who, according to the records of the CPSBC, are not involved in postgraduate work.

Postgraduate

Postgraduates are Directory Active Physicians who, according to the records of the CPSBC, are involved in postgraduate work. They may be fully registered or on the temporary (educational) register.

3. Specialty

Those physicians who are not in postgraduate training have been assigned to a specialty in the following manner:

The MSC specialty code developed to assess patient profiles is used unless:

a. the physician has certification in *Family Medicine* from the College of Family Physicians of Canada, in which case the *specialty* is coded as *Family Practice*,

b. the physician has no MSC specialty, in which case the most recent Royal College of Physicians and Surgeons of Canada (RCPSC) specialty will be used.

Tables 4, 5 and 6 group the physicians into broad specialty groups; Tables 7 and 8 disaggregate them.

General Practice

This category includes the MSC specialty code:

00 General Practice
and also physicians with certification in *Family Medicine*.

Clinical Specialties

This category includes the MSC specialty codes:

01 Dermatology
02 Neurology
03 Psychiatry
04 Neuropsychiatry
14 Paediatrics
15 Internal Medicine
16 Radiology
18 Anaesthesia
20 Physical Medicine and Rehabilitation
21 Public Health and Community Medicine
33 Nuclear Medicine

and the following RCPSC specialties:

Anaesthesia
Cardiology
Clinical Immunology
Community Medicine
Dermatology
Dermatology and Syphilology[2]
Diagnostic Radiology
Emergency Medicine
Gastroenterology
Geriatric Medicine
Haematology
Internal Medicine
Internal Medicine, T.B.[2]
Nephrology
Neurology
Nuclear Medicine
Paediatrics
Paediatric Cardiology
Physical Medicine and Rehabilitation
Psychiatry
Public Health[2]
Radiation Oncology
Respiratory Medicine
Rheumatology
Therapeutic Radiology[2]

---

[2]Program no longer offered by the RCPSC under this designation.

Laboratory Medicine Specialties

This category includes the MSC specialty codes:

17 Pathology and Bacteriology
29 Medical Microbiology

and the following RCPSC specialties:

Anatomical Pathology
Bacteriology[3]
General Pathology
Haematological Pathology
Medical Biochemistry
Medical Microbiology
Neuropathology
Pathology[3]

Surgical Specialties

This category includes the MSC specialty codes:

05 Obstetrics and Gynaecology
06 Ophthalmology
07 Otolaryngology
08 General Surgery
09 Neurosurgery
10 Orthopaedic Surgery
11 Plastic Surgery
12 Thoracic and Cardiovascular Surgery
13 Urology
19 Otolaryngology and Ophthalmology

and the comparable RCPSC specialties with the addition of:

Paediatric General Surgery
Vascular Surgery

---

[3]Ibid.

4. Analysis of Change

Table 9 illustrates key sources of change which may have affected the stock of non-postgraduate physicians from 1987 to 1988.

New registrants include physicians who registered *for the first time* subsequent to September 1987 and were licensed to practise in September 1988. They are recorded according to their place of graduation i.e., from U.B.C., Other Canadian Schools (O.Can), the United Kingdom (U.K.), or Other.

Re-activations (Re-Act) include those physicians who, in 1987, were registered but not licensed to practise in B.C. and who were licensed to practise in B.C. in 1988. More specifically, those designated *PG to Non-PG* (PG-NPG) were registered as of September 1987 and were engaged in postgraduate work. In September 1988 they held non-postgraduate status and were licensed to practise in the province. *Other* includes Directory Active physicians who were out-of-province, or physicians who were not licensed to practise in B.C. as of September 1987, but who were licensed to practise in B.C. in September 1988.

Attrition (Attr'n) describes those physicians who were included in the 1987 physician stock but who, because of death, retirement, non-renewal of licence or out-of-province relocation, were not included in the 1988 physician stock.

Migration (Migr'n) describes the net effect of intraprovincial migration; it records the flow of physicians among different regions of the province. The net migration total is therefore zero.

Directory Active Physicians per 10,000 Population by Regional Hospital District by Registration Status N=6844

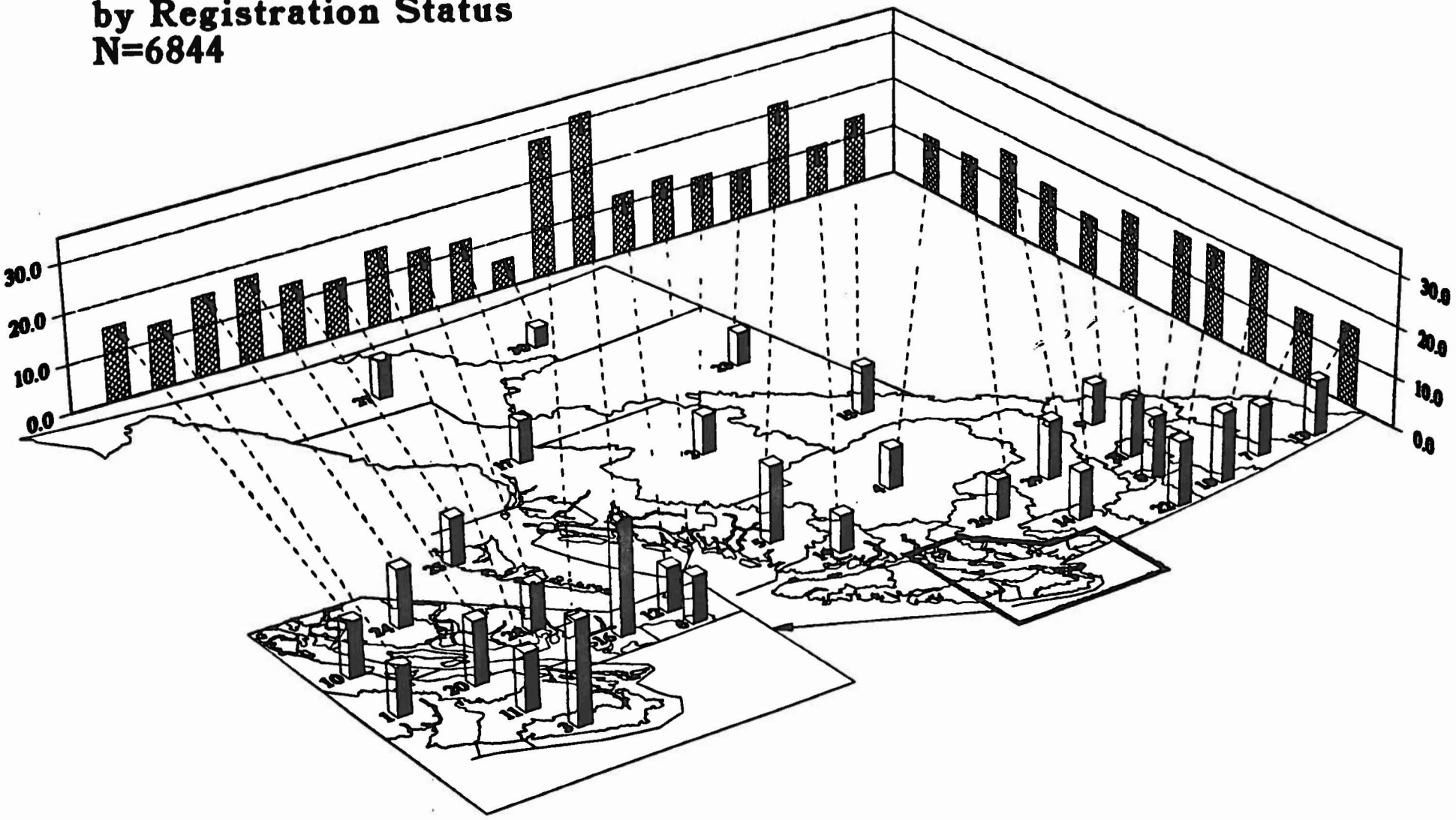


Table 1

Directory Active Physicians[1] in British Columbia

by Regional Hospital District by Registration Status

September 1987 and September 1988

Regional Hospital District	Non-Postgraduate 1987	Non-Postgraduate 1988	Postgraduate 1987	Postgraduate 1988	Total 1987	Total 1988
Non-Metropolitan - Subtotal	1,942	1,977	6	7	1,948	1,984
1 Alberni-Clayoquot	42	39	0	0	42	39
2 Bulkley-Nechako	43	41	0	0	43	41
4 Cariboo	66	68	2	1	68	69
5 Central Coast	5	6	1	1	6	7
6 Central Fraser Valley	176	191	0	0	176	191
7 Central Kootenay	66	67	0	0	66	67
8 Central Okanagan	158	164	0	0	158	164
9 Columbia-Shuswap	44	46	0	0	44	46
10 Comox-Strathcona	110	110	0	0	110	110
11 Cowichan Valley	81	83	0	0	81	83
12 Dewdney-Alouette	88	92	0	1	88	93
13 East Kootenay	73	77	0	1	73	78
14 Fraser-Cheam	78	82	0	0	78	82
15 Fraser-Fort George	123	123	0	1	123	124
17 Kitimat-Stikine	47	48	1	1	48	49
18 Kootenay Boundary	59	58	0	0	59	58
19 Mount Waddington	13	14	1	1	14	15
20 Nanaimo	144	146	1	0	145	146
21 North Okanagan	88	92	0	0	88	92
22 Okanagan-Similkameen	105	110	0	0	105	110
23 Peace River	48	49	0	0	48	49
24 Powell River	28	28	0	0	28	28
25 Skeena-Queen Charlotte	37	31	0	0	37	31
26 Squamish-Lillooet	23	24	0	0	23	24
27 Stikine	2	2	0	0	2	2
28 Sunshine Coast	26	22	0	0	26	22
29 Thompson-Nicola	165	161	0	0	165	161
30 Fort Nelson/Liard	4	3	0	0	4	3
Metropolitan - Subtotal	4,135	4,268	573	592	4,708	4,860
3 Capital	731	745	28	29	759	774
16 Greater Vancouver	3,404	3,523	545	563	3,949	4,086
TOTAL	6,077	6,245	579	599	6,656	6,844

[1]Definitions are as in the attached text.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 2

Directory Active Physicians[1] in British Columbia

per 10,000 Population by Regional Hospital District by Registration Status

September 1987 and September 1988

Regional Hospital District	Non-Postgraduate 1987[2]	Non-Postgraduate 1988	Postgraduate 1987[2]	Postgraduate 1988	Total 1987[2]	Total 1988
Non-Metropolitan - Subtotal	**14.23**	**14.36**	**0.04**	**0.05**	**14.27**	**14.41**
1 Alberni-Clayoquot	13.95	13.05	0.00	0.00	13.95	13.05
2 Bulkley-Nechako	11.64	11.09	0.00	0.00	11.64	11.09
4 Cariboo	10.92	11.26	0.33	0.17	11.25	11.42
5 Central Coast	15.54	18.51	3.11	3.08	18.65	21.59
6 Central Fraser Valley	12.41	12.95	0.00	0.00	12.41	12.95
7 Central Kootenay	13.70	14.16	0.00	0.00	13.70	14.16
8 Central Okanagan	17.21	17.45	0.00	0.00	17.21	17.45
9 Columbia-Shuswap	11.18	11.82	0.00	0.00	11.18	11.82
10 Comox-Strathcona	15.33	15.16	0.00	0.00	15.33	15.16
11 Cowichan Valley	15.32	15.52	0.00	0.00	15.32	15.52
12 Dewdney-Alouette	12.09	12.08	0.00	0.13	12.09	12.21
13 East Kootenay	14.41	15.68	0.00	0.20	14.41	15.88
14 Fraser-Cheam	13.24	13.69	0.00	0.00	13.24	13.69
15 Fraser-Fort George	13.94	14.05	0.00	0.11	13.94	14.17
17 Kitimat-Stikine	11.79	11.95	0.25	0.25	12.04	12.19
18 Kootenay Boundary	19.82	19.68	0.00	0.00	19.82	19.68
19 Mount Waddington	8.91	9.74	0.69	0.70	9.60	10.43
20 Nanaimo	17.17	17.35	0.12	0.00	17.29	17.35
21 North Okanagan	15.88	16.35	0.00	0.00	15.88	16.35
22 Okanagan-Similkameen	17.46	18.04	0.00	0.00	17.46	18.04
23 Peace River	9.37	9.62	0.00	0.00	9.37	9.62
24 Powell River	15.78	16.08	0.00	0.00	15.78	16.08
25 Skeena-Queen Charlotte	16.00	13.50	0.00	0.00	16.00	13.50
26 Squamish-Lillooet	11.36	11.59	0.00	0.00	11.36	11.59
27 Stikine	10.98	11.50	0.00	0.00	10.98	11.50
28 Sunshine Coast	15.32	12.81	0.00	0.00	15.32	12.81
29 Thompson-Nicola	16.83	16.44	0.00	0.00	16.83	16.44
30 Fort Nelson/Liard	7.69	5.85	0.00	0.00	7.69	5.85
Metropolitan - Subtotal	**26.52**	**26.80**	**3.68**	**3.72**	**30.20**	**30.52**
3 Capital	27.09	27.13	1.04	1.06	28.13	28.19
16 Greater Vancouver	26.40	26.73	4.23	4.27	30.63	31.01
TOTAL	**20.79**	**21.04**	**1.98**	**2.02**	**22.77**	**23.05**

[1]Definitions are as in the attached text.
[2]These figures differ from the corresponding figures for 1987 appearing in ROLLCALL 87. See Introduction.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 3

Average Annual Rate of Change: Directory Active Physicians[1]

in British Columbia by Regional Hospital District by Registration Status

September 1987 to September 1988

Regional Hospital District	Non-Postgraduate		Postgraduate		Total	
	Number[2]	Ratio[3]	Number[2]	Ratio[3]	Number[2]	Ratio[3]
Non-Metropolitan - Subtotal	1.80	0.97	•	•	1.85	1.02
1 Alberni-Clayoquot	-7.14	-6.45	•	•	-7.14	-6.45
2 Bulkley-Nechako	-4.65	-4.71	•	•	-4.65	-4.71
4 Cariboo	3.03	3.11	•	•	1.47	1.55
5 Central Coast	•	•	•	•	•	•
6 Central Fraser Valley	8.52	4.30	•	•	8.52	4.30
7 Central Kootenay	1.52	3.36	•	•	1.52	3.36
8 Central Okanagan	3.80	1.36	•	•	3.80	1.36
9 Columbia-Shuswap	4.55	5.75	•	•	4.55	5.75
10 Comox-Strathcona	0.00	-1.09	•	•	0.00	-1.09
11 Cowichan Valley	2.47	1.32	•	•	2.47	1.32
12 Dewdney-Alouette	4.55	-0.07	•	•	5.68	1.02
13 East Kootenay	5.48	8.82	•	•	6.85	10.23
14 Fraser-Cheam	5.13	3.45	•	•	5.13	3.45
15 Fraser-Fort George	0.00	0.82	•	•	0.81	1.64
17 Kitimat-Stikine	2.13	1.36	•	•	2.08	1.31
18 Kootenay Boundary	-1.69	-0.74	•	•	-1.69	-0.74
19 Mount Waddington	7.69	9.27	•	•	7.14	8.71
20 Nanaimo	1.39	1.06	•	•	0.69	0.36
21 North Okanagan	4.55	2.98	•	•	4.55	2.98
22 Okanagan-Similkameen	4.76	3.30	•	•	4.76	3.30
23 Peace River	2.08	2.69	•	•	2.08	2.69
24 Powell River	0.00	1.85	•	•	0.00	1.85
25 Skeena-Queen Charlotte	-16.22	-15.65	•	•	-16.22	-15.65
26 Squamish-Lillooet	4.35	2.00	•	•	4.35	2.00
27 Stikine	•	•	•	•	•	•
28 Sunshine Coast	-15.38	-16.38	•	•	-15.38	-16.38
29 Thompson-Nicola	-2.42	-2.27	•	•	-2.42	-2.27
30 Fort Nelson/Liard	•	•	•	•	•	•
Metropolitan - Subtotal	3.22	1.05	3.32	1.15	3.23	1.06
3 Capital	1.92	0.15	3.57	1.78	1.98	0.21
16 Greater Vancouver	3.50	1.25	3.30	1.06	3.47	1.22
TOTAL	2.76	1.20	3.45	1.88	2.82	1.26

[1]Definitions are as in the attached text.
[2]Rate of change (in percent) in the number.
[3]Rate of change (in percent) in the number per 10,000 population.
•Indicates that the base for the rate of change was less than 10.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 4

Non-Postgraduate Physicians[1] in British Columbia

by Regional Hospital District by Specialty Group[1]

September 1987 and September 1988

Regional Hospital District	General Practice		Clinical Specialties		Laboratory Medicine Specialties		Surgical Specialties		Total	
	1987	1988	1987	1988	1987	1988	1987	1988	1987	1988
Non-Metropolitan - Subtotal	1,284	1,308	334	342	37	36	287	291	1,942	1,977
1 Alberni-Clayoquot	31	30	5	5	1	1	5	3	42	39
2 Bulkley-Nechako	37	34	4	5	0	0	2	2	43	41
4 Cariboo	49	52	7	7	0	0	10	9	66	68
5 Central Coast	5	6	0	0	0	0	0	0	5	6
6 Central Fraser Valley	113	120	35	40	3	3	25	28	176	191
7 Central Kootenay	53	53	6	7	2	2	5	5	66	67
8 Central Okanagan	80	83	47	45	3	4	28	32	158	164
9 Columbia-Shuswap	35	37	7	7	0	0	2	2	44	46
10 Comox-Strathcona	74	74	18	19	2	1	16	16	110	110
11 Cowichan Valley	55	55	16	17	1	1	9	10	81	83
12 Dewdney-Alouette	69	71	12	12	0	0	7	9	88	92
13 East Kootenay	52	54	12	13	0	0	9	10	73	77
14 Fraser-Cheam	51	55	11	12	2	2	14	13	78	82
15 Fraser-Fort George	74	75	22	23	5	4	22	21	123	123
17 Kitimat-Stikine	35	40	4	2	1	1	7	5	47	48
18 Kootenay Boundary	41	41	9	9	1	1	8	7	59	58
19 Mount Waddington	13	14	0	0	0	0	0	0	13	14
20 Nanaimo	82	82	30	31	3	3	29	30	144	146
21 North Okanagan	46	48	20	22	4	4	18	18	88	92
22 Okanagan-Similkameen	63	67	22	22	2	2	18	19	105	110
23 Peace River	35	35	5	5	1	1	7	8	48	49
24 Powell River	19	19	5	5	0	0	4	4	28	28
25 Skeena-Queen Charlotte	32	26	1	2	0	0	4	3	37	31
26 Squamish-Lillooet	21	23	1	0	0	0	1	1	23	24
27 Stikine	2	2	0	0	0	0	0	0	2	2
28 Sunshine Coast	21	20	2	1	0	0	3	1	26	22
29 Thompson-Nicola	93	90	33	31	6	6	33	34	165	161
30 Fort Nelson/Liard	3	2	0	0	0	0	1	1	4	3
Metropolitan - Subtotal	1,986	2,065	1,377	1,416	124	129	648	658	4,135	4,268
3 Capital	381	384	210	222	17	17	123	122	731	745
16 Greater Vancouver	1,605	1,681	1,167	1,194	107	112	525	536	3,404	3,523
TOTAL	3,270	3,373	1,711	1,758	161	165	935	949	6,077	6,245

[1]Definitions are as in the attached text.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 5

Non-Postgraduate Physicians[1] in British Columbia

per 10,000 Population by Regional Hospital District by Specialty Group[1]

September 1987 and September 1988

Regional Hospital District	General Practice		Clinical Specialties		Laboratory Medicine Specialties		Surgical Specialties		Total	
	1987[2]	1988	1987[2]	1988	1987[2]	1988	1987[2]	1988	1987[2]	1988
Non-Metropolitan - Subtotal	**9.41**	**9.50**	**2.45**	**2.48**	**0.27**	**0.26**	**2.10**	**2.11**	**14.23**	**14.36**
1 Alberni-Clayoquot	10.30	10.04	1.66	1.67	0.33	0.33	1.66	1.00	13.95	13.05
2 Bulkley-Nechako	10.01	9.20	1.08	1.35	0.00	0.00	0.54	0.54	11.64	11.09
4 Cariboo	8.10	8.61	1.16	1.16	0.00	0.00	1.65	1.49	10.92	11.26
5 Central Coast	15.54	18.51	0.00	0.00	0.00	0.00	0.00	0.00	15.54	18.51
6 Central Fraser Valley	7.97	8.13	2.47	2.71	0.21	0.20	1.76	1.90	12.41	12.95
7 Central Kootenay	11.00	11.20	1.25	1.48	0.42	0.42	1.04	1.06	13.70	14.16
8 Central Okanagan	8.72	8.83	5.12	4.79	0.33	0.43	3.05	3.40	17.21	17.45
9 Columbia-Shuswap	8.89	9.51	1.78	1.80	0.00	0.00	0.51	0.51	11.18	11.82
10 Comox-Strathcona	10.31	10.20	2.51	2.62	0.28	0.14	2.23	2.21	15.33	15.16
11 Cowichan Valley	10.40	10.29	3.03	3.18	0.19	0.19	1.70	1.87	15.32	15.52
12 Dewdney-Alouette	9.48	9.32	1.65	1.58	0.00	0.00	0.96	1.18	12.09	12.08
13 East Kootenay	10.26	11.00	2.37	2.65	0.00	0.00	1.78	2.04	14.41	15.68
14 Fraser-Cheam	8.65	9.18	1.87	2.00	0.34	0.33	2.38	2.17	13.24	13.69
15 Fraser-Fort George	8.39	8.57	2.49	2.63	0.57	0.46	2.49	2.40	13.94	14.05
17 Kitimat-Stikine	8.78	9.95	1.00	0.50	0.25	0.25	1.76	1.24	11.79	11.95
18 Kootenay Boundary	13.77	13.91	3.02	3.05	0.34	0.34	2.69	2.37	19.82	19.68
19 Mount Waddington	8.91	9.74	0.00	0.00	0.00	0.00	0.00	0.00	8.91	9.74
20 Nanaimo	9.78	9.75	3.58	3.68	0.36	0.36	3.46	3.57	17.17	17.35
21 North Okanagan	8.30	8.53	3.61	3.91	0.72	0.71	3.25	3.20	15.88	16.35
22 Okanagan-Similkameen	10.48	10.99	3.66	3.61	0.33	0.33	2.99	3.12	17.46	18.04
23 Peace River	6.83	6.87	0.98	0.98	0.20	0.20	1.37	1.57	9.37	9.62
24 Powell River	10.71	10.91	2.82	2.87	0.00	0.00	2.25	2.30	15.78	16.08
25 Skeena-Queen Charlotte	13.84	11.32	0.43	0.87	0.00	0.00	1.73	1.31	16.00	13.50
26 Squamish-Lillooet	10.37	11.11	0.49	0.00	0.00	0.00	0.49	0.48	11.36	11.59
27 Stikine	10.98	11.50	0.00	0.00	0.00	0.00	0.00	0.00	10.98	11.50
28 Sunshine Coast	12.37	11.65	1.18	0.58	0.00	0.00	1.77	0.58	15.32	12.81
29 Thompson-Nicola	9.48	9.19	3.37	3.17	0.61	0.61	3.37	3.47	16.83	16.44
30 Fort Nelson/Liard	5.77	3.90	0.00	0.00	0.00	0.00	1.92	1.95	7.69	5.85
Metropolitan - Subtotal	**12.74**	**12.97**	**8.83**	**8.89**	**0.80**	**0.81**	**4.16**	**4.13**	**26.52**	**26.80**
3 Capital	14.12	13.99	7.78	8.09	0.63	0.62	4.56	4.44	27.09	27.13
16 Greater Vancouver	12.45	12.76	9.05	9.06	0.83	0.85	4.07	4.07	26.40	26.73
TOTAL	**11.18**	**11.36**	**5.85**	**5.92**	**0.55**	**0.56**	**3.20**	**3.20**	**20.79**	**21.04**

[1]Definitions are as in the attached text.
[2]These figures differ from the corresponding figures for 1987 appearing in ROLLCALL 87. See Introduction.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 6

Average Annual Rate of Change: Non-Postgraduate Physicians[1]

in British Columbia by Regional Hospital District by Specialty Group[1]

September 1987 to September 1988

Regional Hospital District	General Practice		Clinical Specialties		Laboratory Medicine Specialties		Surgical Specialties		Total	
	Number[2]	Ratio[3]	Number[2]	Ratio[3]	Number[2]	Ratio[3]	Number[2]	Ratio[3]	Number[2]	Ratio[3]
Non-Metropolitan - Subtotal	**1.87**	**1.04**	**2.40**	**1.56**	**-2.70**	**-3.49**	**1.39**	**0.57**	**1.80**	**0.97**
1 Alberni-Clayoquot	-3.23	-2.51	*	*	*	*	*	*	-7.14	-6.45
2 Bulkley-Nechako	-8.11	-8.16	*	*	*	*	*	*	-4.65	-4.71
4 Cariboo	6.12	6.20	*	*	*	*	-10.00	-9.93	3.03	3.11
5 Central Coast	*	*	*	*	*	*	*	*	*	*
6 Central Fraser Valley	6.19	2.07	14.29	9.84	*	*	12.00	7.65	8.52	4.30
7 Central Kootenay	0.00	1.81	*	*	*	*	*	*	1.52	3.36
8 Central Okanagan	3.75	1.31	-4.26	-6.51	*	*	14.29	11.60	3.80	1.36
9 Columbia-Shuswap	5.71	6.94	*	*	*	*	*	*	4.55	5.75
10 Comox-Strathcona	0.00	-1.09	5.56	4.41	*	*	0.00	-1.09	0.00	-1.09
11 Cowichan Valley	0.00	-1.12	6.25	5.06	*	*	*	*	2.47	1.32
12 Dewdney-Alouette	2.90	-1.64	0.00	-4.41	*	*	*	*	4.55	-0.07
13 East Kootenay	3.85	7.13	8.33	11.76	*	*	*	*	5.48	8.82
14 Fraser-Cheam	7.84	6.12	9.09	7.35	*	*	-7.14	-8.63	5.13	3.45
15 Fraser-Fort George	1.35	2.18	4.55	5.40	*	*	-4.55	-3.76	0.00	0.82
17 Kitimat-Stikine	14.29	13.42	*	*	*	*	*	*	2.13	1.36
18 Kootenay Boundary	0.00	0.97	*	*	*	*	*	*	-1.69	-0.74
19 Mount Waddington	7.69	9.27	*	*	*	*	*	*	7.69	9.27
20 Nanaimo	0.00	-0.32	3.33	3.00	*	*	3.45	3.11	1.39	1.06
21 North Okanagan	4.35	2.79	10.00	8.36	*	*	0.00	-1.50	4.55	2.98
22 Okanagan-Similkameen	6.35	4.87	0.00	-1.39	*	*	5.56	4.09	4.76	3.30
23 Peace River	0.00	0.60	*	*	*	*	*	*	2.08	2.69
24 Powell River	0.00	1.85	*	*	*	*	*	*	0.00	1.85
25 Skeena-Queen Charlotte	-18.75	-18.20	*	*	*	*	*	*	-16.22	-15.65
26 Squamish-Lillooet	9.52	7.06	*	*	*	*	*	*	4.35	2.00
27 Stikine	*	*	*	*	*	*	*	*	*	*
28 Sunshine Coast	-4.76	-5.89	*	*	*	*	*	*	-15.38	-16.38
29 Thompson-Nicola	-3.23	-3.07	-6.06	-5.91	*	*	3.03	3.20	-2.42	-2.27
30 Fort Nelson/Liard	*	*	*	*	*	*	*	*	*	*
Metropolitan - Subtotal	**3.98**	**1.80**	**2.83**	**0.68**	**4.03**	**1.85**	**1.54**	**-0.59**	**3.22**	**1.05**
3 Capital	0.79	-0.96	5.71	3.88	0.00	-1.73	-0.81	-2.53	1.92	0.15
16 Greater Vancouver	4.74	2.46	2.31	0.09	4.67	2.40	2.10	-0.12	3.50	1.25
TOTAL	**3.15**	**1.58**	**2.75**	**1.18**	**2.48**	**0.93**	**1.50**	**-0.05**	**2.76**	**1.20**

[1]Definitions are as in the attached text.
[2]Rate of change (in percent) in the number.
[3]Rate of change (in percent) in the number per 10,000 population.
*Indicates that the base for the rate of change was less than 10.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 7

Non-Postgraduate Physicians[1] in British Columbia

by Regional Hospital District by MSC Specialty

September 1988

Regional Hospital District	General Practice	Family Practice	General Practice Subtotal	Anaesthesia	Community Medicine[2]	Dermatology[3]	Emergency Medicine[4]
Non-Metropolitan - Subtotal	1,039	269	1,308	55	11	10	3
1 Alberni-Clayoquot	26	4	30	1	0	0	0
2 Bulkley-Nechako	28	6	34	1	0	0	0
4 Cariboo	45	7	52	0	1	0	0
5 Central Coast	2	4	6	0	0	0	0
6 Central Fraser Valley	92	28	120	7	0	2	1
7 Central Kootenay	42	11	53	1	1	0	0
8 Central Okanagan	61	22	83	7	1	0	1
9 Columbia-Shuswap	31	6	37	0	0	0	0
10 Comox-Strathcona	67	7	74	6	0	1	0
11 Cowichan Valley	44	11	55	3	1	1	0
12 Dewdney-Alouette	55	16	71	2	2	1	0
13 East Kootenay	47	7	54	1	1	0	0
14 Fraser-Cheam	48	7	55	1	0	0	0
15 Fraser-Fort George	57	18	75	5	1	1	0
17 Kitimat-Stikine	30	10	40	0	0	0	0
18 Kootenay Boundary	35	6	41	0	0	0	0
19 Mount Waddington	13	1	14	0	0	0	0
20 Nanaimo	62	20	82	7	0	1	1
21 North Okanagan	31	17	48	4	2	1	0
22 Okanagan-Similkameen	53	14	67	2	0	1	0
23 Peace River	32	3	35	0	0	0	0
24 Powell River	17	2	19	0	1	0	0
25 Skeena-Queen Charlotte	16	10	26	0	0	0	0
26 Squamish-Lillooet	18	5	23	0	0	0	0
27 Stikine	2	0	2	0	0	0	0
28 Sunshine Coast	13	7	20	0	0	0	0
29 Thompson-Nicola	70	20	90	7	0	1	0
30 Fort Nelson/Liard	2	0	2	0	0	0	0
Metropolitan - Subtotal	1,664	401	2,065	220	19	46	45
3 Capital	321	63	384	41	4	7	13
16 Greater Vancouver	1,343	338	1,681	179	15	39	32
TOTAL	2,703	670	3,373	275	30	56	48

[1]Definitions are as in the attached text.
[2]Includes the old specialty designation Public Health.
[3]Includes the old specialty designation Dermatology and Syphilology.
[4]Comprises the RCPSC specialty Emergency Medicine.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

... *continued*

Table 7
(Continued)

Non-Postgraduate Physicians[1] in British Columbia

by Regional Hospital District by MSC Specialty

September 1988

Regional Hospital District	General Surgery[2]	Internal Medicine[3]	Medical Microbiology	Neurology	Neuro-psychiatry	Neurosurgery	Nuclear Medicine
Non-Metropolitan - Subtotal	107	84	2	9	1	3	0
1 Alberni-Clayoquot	3	1	0	0	0	0	0
2 Bulkley-Nechako	2	1	0	0	0	0	0
4 Cariboo	7	2	0	0	0	0	0
5 Central Coast	0	0	0	0	0	0	0
6 Central Fraser Valley	7	8	0	1	0	0	0
7 Central Kootenay	2	2	0	0	0	0	0
8 Central Okanagan	8	13	0	3	0	1	0
9 Columbia-Shuswap	1	1	0	0	0	0	0
10 Comox-Strathcona	4	4	0	0	0	0	0
11 Cowichan Valley	3	4	0	0	0	0	0
12 Dewdney-Alouette	4	1	0	0	0	0	0
13 East Kootenay	6	2	0	0	0	0	0
14 Fraser-Cheam	3	3	0	1	0	0	0
15 Fraser-Fort George	7	4	0	2	0	0	0
17 Kitimat-Stikine	2	1	0	0	0	0	0
18 Kootenay Boundary	4	5	0	0	0	0	0
19 Mount Waddington	0	0	0	0	0	0	0
20 Nanaimo	6	7	0	1	0	0	0
21 North Okanagan	6	6	1	0	0	0	0
22 Okanagan-Similkameen	6	7	0	1	0	0	0
23 Peace River	4	2	0	0	0	0	0
24 Powell River	3	1	0	0	0	0	0
25 Skeena-Queen Charlotte	3	1	0	0	0	0	0
26 Squamish-Lillooet	1	0	0	0	0	0	0
27 Stikine	0	0	0	0	0	0	0
28 Sunshine Coast	1	0	0	0	0	0	0
29 Thompson-Nicola	13	8	1	0	1	2	0
30 Fort Nelson/Liard	1	0	0	0	0	0	0
Metropolitan - Subtotal	138	383	15	52	1	25	6
3 Capital	27	56	1	7	0	4	1
16 Greater Vancouver	111	327	14	45	1	21	5
TOTAL	245	467	17	61	2	28	6

[1]Definitions are as in the attached text.
[2]Includes Paediatric General Surgery.
[3]Includes Cardiology, Clinical Immunology, Gastroenterology, Haematology, Respiratory Medicine, Geriatric Medicine, Rheumatology and Nephrology.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

... *continued*

Table 7
(Continued)

Non-Postgraduate Physicians[1] in British Columbia

by Regional Hospital District by MSC Specialty

September 1988

Regional Hospital District	Obstetrics & Gynaecology	Ophthalmology	Orthopaedic Surgery	Otolaryngology	Paediatrics[2]	Pathology[3]	Physical Medicine
Non-Metropolitan - Subtotal	45	43	44	18	40	34	5
1 Alberni-Clayoquot	0	0	0	0	0	1	0
2 Bulkley-Nechako	0	0	0	0	1	0	0
4 Cariboo	1	0	0	0	1	0	0
5 Central Coast	0	0	0	0	0	0	0
6 Central Fraser Valley	4	6	7	2	4	3	0
7 Central Kootenay	0	1	1	0	1	2	0
8 Central Okanagan	4	6	5	2	3	4	3
9 Columbia-Shuswap	0	0	0	1	1	0	0
10 Comox-Strathcona	4	1	4	2	1	1	0
11 Cowichan Valley	2	2	2	1	2	1	0
12 Dewdney-Alouette	1	1	2	0	1	0	0
13 East Kootenay	1	1	1	1	1	0	0
14 Fraser-Cheam	2	2	2	1	1	2	0
15 Fraser-Fort George	4	3	3	1	3	4	0
17 Kitimat-Stikine	1	1	0	0	1	1	0
18 Kootenay Boundary	1	1	1	0	1	1	0
19 Mount Waddington	0	0	0	0	0	0	0
20 Nanaimo	6	7	5	2	3	3	1
21 North Okanagan	2	5	3	1	3	3	0
22 Okanagan-Similkameen	3	3	3	1	5	2	0
23 Peace River	2	0	1	1	0	1	0
24 Powell River	1	0	0	0	1	0	0
25 Skeena-Queen Charlotte	0	0	0	0	0	0	0
26 Squamish-Lillooet	0	0	0	0	0	0	0
27 Stikine	0	0	0	0	0	0	0
28 Sunshine Coast	0	0	0	0	0	0	0
29 Thompson-Nicola	6	3	4	2	6	5	1
30 Fort Nelson/Liard	0	0	0	0	0	0	0
Metropolitan - Subtotal	108	123	92	58	142	114	24
3 Capital	18	27	15	9	12	16	4
16 Greater Vancouver	90	96	77	49	130	98	20
TOTAL	153	166	136	76	182	148	29

[1]Definitions are as in the attached text.
[2]Includes Paediatric Cardiology.
[3]Includes Anatomical Pathology, General Pathology, Haematological Pathology, Medical Biochemistry and Neuropathology.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

... *continued*

Table 7
(Continued)

Non-Postgraduate Physicians[1] in British Columbia

by Regional Hospital District by MSC Specialty

September 1988

Regional Hospital District	Plastic Surgery	Psychiatry	Radiology[2]	Thoracic Surgery[3]	Urology	Vascular Surgery	Specialty Subtotal	Total
Non-Metropolitan - Subtotal	9	47	77	1	18	3	669	1,977
1 Alberni-Clayoquot	0	2	1	0	0	0	9	39
2 Bulkley-Nechako	0	0	2	0	0	0	7	41
4 Cariboo	0	0	3	0	1	0	16	68
5 Central Coast	0	0	0	0	0	0	0	6
6 Central Fraser Valley	0	7	10	0	2	0	71	191
7 Central Kootenay	0	1	1	1	0	0	14	67
8 Central Okanagan	2	8	6	0	3	1	81	164
9 Columbia-Shuswap	0	3	2	0	0	0	9	46
10 Comox-Strathcona	0	2	5	0	1	0	36	110
11 Cowichan Valley	0	4	2	0	0	0	28	83
12 Dewdney-Alouette	0	3	2	0	1	0	21	92
13 East Kootenay	0	2	6	0	0	0	23	77
14 Fraser-Cheam	1	3	3	0	1	1	27	82
15 Fraser-Fort George	1	1	6	0	2	0	48	123
17 Kitimat-Stikine	0	0	0	0	1	0	8	48
18 Kootenay Boundary	0	1	2	0	0	0	17	58
19 Mount Waddington	0	0	0	0	0	0	0	14
20 Nanaimo	2	3	7	0	2	0	64	146
21 North Okanagan	0	2	4	0	1	0	44	92
22 Okanagan-Similkameen	1	3	3	0	1	1	43	110
23 Peace River	0	0	3	0	0	0	14	49
24 Powell River	0	1	1	0	0	0	9	28
25 Skeena-Queen Charlotte	0	0	1	0	0	0	5	31
26 Squamish-Lillooet	0	0	0	0	0	0	1	24
27 Stikine	0	0	0	0	0	0	0	2
28 Sunshine Coast	0	0	1	0	0	0	2	22
29 Thompson-Nicola	2	1	6	0	2	0	71	161
30 Fort Nelson/Liard	0	0	0	0	0	0	1	3
Metropolitan - Subtotal	32	307	171	21	44	17	2,203	4,268
3 Capital	5	47	30	5	10	2	361	745
16 Greater Vancouver	27	260	141	16	34	15	1,842	3,523
TOTAL	41	354	248	22	62	20	2,872	6,245

[1]Definitions are as in the attached text.
[2]Includes Diagnostic Radiology, Therapeutic Radiology, and Radiation Oncology.
[3]Includes Cardiovascular Surgery.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 8

Non-Postgraduate Physicians[1] in British Columbia

per 10,000 Population by Regional Hospital District by MSC Specialty

September 1988

Regional Hospital District	General Practice	Family Practice	Practice Subtotal	Anaesthesia	Community Medicine[2]	Dermatology[3]	Emergency Medicine[4]
Non-Metropolitan - Subtotal	7.55	1.95	9.50	0.40	0.08	0.07	0.02
1 Alberni-Clayoquot	8.70	1.34	10.04	0.33	0.00	0.00	0.00
2 Bulkley-Nechako	7.57	1.62	9.20	0.27	0.00	0.00	0.00
4 Cariboo	7.45	1.16	8.61	0.00	0.17	0.00	0.00
5 Central Coast	6.17	12.34	18.51	0.00	0.00	0.00	0.00
6 Central Fraser Valley	6.24	1.90	8.13	0.47	0.00	0.14	0.07
7 Central Kootenay	8.88	2.32	11.20	0.21	0.21	0.00	0.00
8 Central Okanagan	6.49	2.34	8.83	0.74	0.11	0.00	0.11
9 Columbia-Shuswap	7.97	1.54	9.51	0.00	0.00	0.00	0.00
10 Comox-Strathcona	9.23	0.96	10.20	0.83	0.00	0.14	0.00
11 Cowichan Valley	8.23	2.06	10.29	0.56	0.19	0.19	0.00
12 Dewdney-Alouette	7.22	2.10	9.32	0.26	0.26	0.13	0.00
13 East Kootenay	9.57	1.43	11.00	0.20	0.20	0.00	0.00
14 Fraser-Cheam	8.02	1.17	9.18	0.17	0.00	0.00	0.00
15 Fraser-Fort George	6.51	2.06	8.57	0.57	0.11	0.11	0.00
17 Kitimat-Stikine	7.47	2.49	9.95	0.00	0.00	0.00	0.00
18 Kootenay Boundary	11.87	2.04	13.91	0.00	0.00	0.00	0.00
19 Mount Waddington	9.04	0.70	9.74	0.00	0.00	0.00	0.00
20 Nanaimo	7.37	2.38	9.75	0.83	0.00	0.12	0.12
21 North Okanagan	5.51	3.02	8.53	0.71	0.36	0.18	0.00
22 Okanagan-Similkameen	8.69	2.30	10.99	0.33	0.00	0.16	0.00
23 Peace River	6.28	0.59	6.87	0.00	0.00	0.00	0.00
24 Powell River	9.76	1.15	10.91	0.00	0.57	0.00	0.00
25 Skeena-Queen Charlotte	6.97	4.35	11.32	0.00	0.00	0.00	0.00
26 Squamish-Lillooet	8.69	2.41	11.11	0.00	0.00	0.00	0.00
27 Stikine	11.50	0.00	11.50	0.00	0.00	0.00	0.00
28 Sunshine Coast	7.57	4.08	11.65	0.00	0.00	0.00	0.00
29 Thompson-Nicola	7.15	2.04	9.19	0.71	0.00	0.10	0.00
30 Fort Nelson/Liard	3.90	0.00	3.90	0.00	0.00	0.00	0.00
Metropolitan - Subtotal	10.45	2.52	12.97	1.38	0.12	0.29	0.28
3 Capital	11.69	2.29	13.99	1.49	0.15	0.25	0.47
16 Greater Vancouver	10.19	2.56	12.76	1.36	0.11	0.30	0.24
TOTAL	9.10	2.26	11.36	0.93	0.10	0.19	0.16

[1]Definitions are as in the attached text.
[2]Includes the old specialty designation Public Health.
[3]Includes the old specialty designation Dermatology and Syphilology.
[4]Comprises the RCPSC specialty Emergency Medicine.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

... *continued*

Table 8
(Continued)

Non-Postgraduate Physicians[1] in British Columbia

per 10,000 Population by Regional Hospital District by MSC Specialty

September 1988

Regional Hospital District	General Surgery[2]	Internal Medicine[3]	Medical Microbiology	Neurology	Neuro-psychiatry	Neurosurgery	Nuclear Medicine
Non-Metropolitan - Subtotal	0.78	0.61	0.01	0.07	0.01	0.02	0.00
1 Alberni-Clayoquot	1.00	0.33	0.00	0.00	0.00	0.00	0.00
2 Bulkley-Nechako	0.54	0.27	0.00	0.00	0.00	0.00	0.00
4 Cariboo	1.16	0.33	0.00	0.00	0.00	0.00	0.00
5 Central Coast	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6 Central Fraser Valley	0.47	0.54	0.00	0.07	0.00	0.00	0.00
7 Central Kootenay	0.42	0.42	0.00	0.00	0.00	0.00	0.00
8 Central Okanagan	0.85	1.38	0.00	0.32	0.00	0.11	0.00
9 Columbia-Shuswap	0.26	0.26	0.00	0.00	0.00	0.00	0.00
10 Comox-Strathcona	0.55	0.55	0.00	0.00	0.00	0.00	0.00
11 Cowichan Valley	0.56	0.75	0.00	0.00	0.00	0.00	0.00
12 Dewdney-Alouette	0.53	0.13	0.00	0.00	0.00	0.00	0.00
13 East Kootenay	1.22	0.41	0.00	0.00	0.00	0.00	0.00
14 Fraser-Cheam	0.50	0.50	0.00	0.17	0.00	0.00	0.00
15 Fraser-Fort George	0.80	0.46	0.00	0.23	0.00	0.00	0.00
17 Kitimat-Stikine	0.50	0.25	0.00	0.00	0.00	0.00	0.00
18 Kootenay Boundary	1.36	1.70	0.00	0.00	0.00	0.00	0.00
19 Mount Waddington	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20 Nanaimo	0.71	0.83	0.00	0.12	0.00	0.00	0.00
21 North Okanagan	1.07	1.07	0.18	0.00	0.00	0.00	0.00
22 Okanagan-Similkameen	0.98	1.15	0.00	0.16	0.00	0.00	0.00
23 Peace River	0.79	0.39	0.00	0.00	0.00	0.00	0.00
24 Powell River	1.72	0.57	0.00	0.00	0.00	0.00	0.00
25 Skeena-Queen Charlotte	1.31	0.44	0.00	0.00	0.00	0.00	0.00
26 Squamish-Lillooet	0.48	0.00	0.00	0.00	0.00	0.00	0.00
27 Stikine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28 Sunshine Coast	0.58	0.00	0.00	0.00	0.00	0.00	0.00
29 Thompson-Nicola	1.33	0.82	0.10	0.00	0.10	0.20	0.00
30 Fort Nelson/Liard	1.95	0.00	0.00	0.00	0.00	0.00	0.00
Metropolitan - Subtotal	0.87	2.41	0.09	0.33	0.01	0.16	0.04
3 Capital	0.98	2.04	0.04	0.25	0.00	0.15	0.04
16 Greater Vancouver	0.84	2.48	0.11	0.34	0.01	0.16	0.04
TOTAL	0.83	1.57	0.06	0.21	0.01	0.09	0.02

[1]Definitions are as in the attached text.
[2]Includes Paediatric General Surgery.
[3]Includes Cardiology, Clinical Immunology, Gastroenterology, Haematology, Respiratory Medicine, Geriatric Medicine, Rheumatology and Nephrology.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

... *continued*

Table 8
(Continued)

Non-Postgraduate Physicians[1] in British Columbia

per 10,000 Population by Regional Hospital District by MSC Specialty

September 1988

Regional Hospital District	Obstetrics & Gynaecology	Ophthalmology	Orthopaedic Surgery	Otolaryngology	Paediatrics[2]	Pathology[3]	Physical Medicine
Non-Metropolitan - Subtotal	0.33	0.31	0.32	0.13	0.29	0.25	0.04
1 Alberni-Clayoquot	0.00	0.00	0.00	0.00	0.00	0.33	0.00
2 Bulkley-Nechako	0.00	0.00	0.00	0.00	0.27	0.00	0.00
4 Cariboo	0.17	0.00	0.00	0.00	0.17	0.00	0.00
5 Central Coast	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6 Central Fraser Valley	0.27	0.41	0.47	0.14	0.27	0.20	0.00
7 Central Kootenay	0.00	0.21	0.21	0.00	0.21	0.42	0.00
8 Central Okanagan	0.43	0.64	0.53	0.21	0.32	0.43	0.32
9 Columbia-Shuswap	0.00	0.00	0.00	0.26	0.26	0.00	0.00
10 Comox-Strathcona	0.55	0.14	0.55	0.28	0.14	0.14	0.00
11 Cowichan Valley	0.37	0.37	0.37	0.19	0.37	0.19	0.00
12 Dewdney-Alouette	0.13	0.13	0.26	0.00	0.13	0.00	0.00
13 East Kootenay	0.20	0.20	0.20	0.20	0.20	0.00	0.00
14 Fraser-Cheam	0.33	0.33	0.33	0.17	0.17	0.33	0.00
15 Fraser-Fort George	0.46	0.34	0.34	0.11	0.34	0.46	0.00
17 Kitimat-Stikine	0.25	0.25	0.00	0.00	0.25	0.25	0.00
18 Kootenay Boundary	0.34	0.34	0.34	0.00	0.34	0.34	0.00
19 Mount Waddington	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20 Nanaimo	0.71	0.83	0.59	0.24	0.36	0.36	0.12
21 North Okanagan	0.36	0.89	0.53	0.18	0.53	0.53	0.00
22 Okanagan-Similkameen	0.49	0.49	0.49	0.16	0.82	0.33	0.00
23 Peace River	0.39	0.00	0.20	0.20	0.00	0.20	0.00
24 Powell River	0.57	0.00	0.00	0.00	0.57	0.00	0.00
25 Skeena-Queen Charlotte	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26 Squamish-Lillooet	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27 Stikine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28 Sunshine Coast	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29 Thompson-Nicola	0.61	0.31	0.41	0.20	0.61	0.51	0.10
30 Fort Nelson/Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Metropolitan - Subtotal	0.68	0.77	0.58	0.36	0.89	0.72	0.15
3 Capital	0.66	0.98	0.55	0.33	0.44	0.58	0.15
16 Greater Vancouver	0.68	0.73	0.58	0.37	0.99	0.74	0.15
TOTAL	0.52	0.56	0.46	0.26	0.61	0.50	0.10

[1]Definitions are as in the attached text.
[2]Includes Paediatric Cardiology.
[3]Includes Anatomical Pathology, General Pathology, Haematological Pathology, Medical Biochemistry and Neuropathology.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

... *continued*

Table 8
(Continued)

Non-Postgraduate Physicians[1] in British Columbia

per 10,000 Population by Regional Hospital District by MSC Specialty

September 1988

Regional Hospital District	Plastic Surgery	Psychiatry	Radiology[2]	Thoracic Surgery[3]	Urology	Vascular Surgery	Specialty Subtotal	Total
Non-Metropolitan - Subtotal	0.07	0.34	0.56	0.01	0.13	0.02	4.86	14.36
1 Alberni-Clayoquot	0.00	0.67	0.33	0.00	0.00	0.00	3.01	13.05
2 Bulkley-Nechako	0.00	0.00	0.54	0.00	0.00	0.00	1.89	11.09
4 Cariboo	0.00	0.00	0.50	0.00	0.17	0.00	2.65	11.26
5 Central Coast	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.51
6 Central Fraser Valley	0.00	0.47	0.68	0.00	0.14	0.00	4.81	12.95
7 Central Kootenay	0.00	0.21	0.21	0.21	0.00	0.00	2.96	14.16
8 Central Okanagan	0.21	0.85	0.64	0.00	0.32	0.11	8.62	17.45
9 Columbia-Shuswap	0.00	0.77	0.51	0.00	0.00	0.00	2.31	11.82
10 Comox-Strathcona	0.00	0.28	0.69	0.00	0.14	0.00	4.96	15.16
11 Cowichan Valley	0.00	0.75	0.37	0.00	0.00	0.00	5.24	15.52
12 Dewdney-Alouette	0.00	0.39	0.26	0.00	0.13	0.00	2.76	12.08
13 East Kootenay	0.00	0.41	1.22	0.00	0.00	0.00	4.68	15.68
14 Fraser-Cheam	0.17	0.50	0.50	0.00	0.17	0.17	4.51	13.69
15 Fraser-Fort George	0.11	0.11	0.69	0.00	0.23	0.00	5.48	14.05
17 Kitimat-Stikine	0.00	0.00	0.00	0.00	0.25	0.00	1.99	11.95
18 Kootenay Boundary	0.00	0.34	0.68	0.00	0.00	0.00	5.77	19.68
19 Mount Waddington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.74
20 Nanaimo	0.24	0.36	0.83	0.00	0.24	0.00	7.61	17.35
21 North Okanagan	0.00	0.36	0.71	0.00	0.18	0.00	7.82	16.35
22 Okanagan-Similkameen	0.16	0.49	0.49	0.00	0.16	0.16	7.05	18.04
23 Peace River	0.00	0.00	0.59	0.00	0.00	0.00	2.75	9.62
24 Powell River	0.00	0.57	0.57	0.00	0.00	0.00	5.17	16.08
25 Skeena-Queen Charlotte	0.00	0.00	0.44	0.00	0.00	0.00	2.18	13.50
26 Squamish-Lillooet	0.00	0.00	0.00	0.00	0.00	0.00	0.48	11.59
27 Stikine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.50
28 Sunshine Coast	0.00	0.00	0.58	0.00	0.00	0.00	1.16	12.81
29 Thompson-Nicola	0.20	0.10	0.61	0.00	0.20	0.00	7.25	16.44
30 Fort Nelson/Liard	0.00	0.00	0.00	0.00	0.00	0.00	1.95	5.85
Metropolitan - Subtotal	0.20	1.93	1.07	0.13	0.28	0.11	13.83	26.80
3 Capital	0.18	1.71	1.09	0.18	0.36	0.07	13.15	27.13
16 Greater Vancouver	0.20	1.97	1.07	0.12	0.26	0.11	13.98	26.73
TOTAL	0.14	1.19	0.84	0.07	0.21	0.07	9.67	21.04

[1]Definitions are as in the attached text.
[2]Includes Diagnostic Radiology, Therapeutic Radiology, and Radiation Oncology.
[3]Includes Cardiovascular Surgery.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 9

Analysis of Changes in the Number of Non-Postgraduate Physicians[1]

in British Columbia by Regional Hospital District

September 1987 to September 1988

Regional Hospital District	1987[4]	New Registrants[2] by Place of Graduation: U.B.C.	O.Can.[5]	U.K.	Other	Total	Re-Act[3]: PG-NPG	Other	Attr'n[6]	Migr'n[7]	1988[8]
Non-Metropolitan - Subtotal	**1,942**	**12**	**34**	**6**	**19**	**71**	**26**	**25**	**86**	**-1**	**1,977**
1 Alberni-Clayoquot	42	0	1	0	0	1	2	0	1	-5	39
2 Bulkley-Nechako	43	0	1	1	0	2	0	0	1	-3	41
4 Cariboo	66	2	0	0	0	2	0	0	0	0	68
5 Central Coast	5	1	2	0	0	3	1	0	1	-2	6
6 Central Fraser Valley	176	0	1	0	0	1	3	3	4	12	191
7 Central Kootenay	66	1	1	1	1	4	0	0	3	0	67
8 Central Okanagan	158	0	5	2	1	8	2	5	8	-1	164
9 Columbia-Shuswap	44	0	1	0	0	1	0	1	0	0	46
10 Comox-Strathcona	110	2	2	0	0	4	2	1	6	-1	110
11 Cowichan Valley	81	0	2	0	0	2	2	1	3	0	83
12 Dewdney-Alouette	88	1	0	1	0	2	0	1	3	4	92
13 East Kootenay	73	0	2	0	3	5	1	4	5	-1	77
14 Fraser-Cheam	78	2	0	0	0	2	2	1	2	1	82
15 Fraser-Fort George	123	0	2	1	2	5	0	1	5	-1	123
17 Kitimat-Stikine	47	0	0	0	1	1	1	1	1	-1	48
18 Kootenay Boundary	59	0	4	0	1	5	0	0	4	-2	58
19 Mount Waddington	13	0	0	0	1	1	1	1	2	0	14
20 Nanaimo	144	0	1	0	2	3	1	2	7	3	146
21 North Okanagan	88	1	1	0	0	2	2	0	2	2	92
22 Okanagan-Similkameen	105	0	1	0	1	2	0	3	2	2	110
23 Peace River	48	0	2	0	3	5	1	0	4	-1	49
24 Powell River	28	0	2	0	0	2	0	0	1	-1	28
25 Skeena-Queen Charlotte	37	0	0	0	0	0	0	0	5	-1	31
26 Squamish-Lillooet	23	2	0	0	0	2	1	0	4	2	24
27 Stikine	2	0	0	0	0	0	0	0	0	0	2
28 Sunshine Coast	26	0	1	0	0	1	0	0	2	-3	22
29 Thompson-Nicola	165	0	2	0	2	4	4	0	8	-4	161
30 Fort Nelson/Liard	4	0	0	0	1	1	0	0	2	0	3
Metropolitan - Subtotal	**4,135**	**43**	**49**	**6**	**10**	**108**	**132**	**70**	**178**	**1**	**4,268**
3 Capital	731	4	11	3	1	19	16	12	38	5	745
16 Greater Vancouver	3,404	39	38	3	9	89	116	58	140	-4	3,523
TOTAL	**6,077**	**55**	**83**	**12**	**29**	**179**	**158**	**95**	**264**	**0**	**6,245**

[1]Definitions are as in the attached text.
[2]Physicians who were Non-Postgraduate in B.C. in September 1988 and whose initial registration with the CPSBC fell after September 1987.
[3]In September 1987 these physicians were registered with the CPSBC as Postgraduate, or as Directory Active but out-of-province, or as not licensed to practice in B.C.; in September 1988 they were Non-Postgraduate in B.C.
[4]Number of Non-Postgraduate Physicians in B.C.; September 1987.
[5]Other Canada.
[6]Physicians who were Non-Postgraduate in B.C. in September 1987 but not in September 1988.
[7]Net effect of intra-provincial migration.
[8]Number of Non-Postgraduate Physicians in B.C.; September 1988.

PSYCHOLOGISTS

PSYCHOLOGISTS

Definition: The practice of a psychologist includes

" (a) the provision to individuals, groups, organizations, or the public of any service involving the application of principles, methods and procedures of understanding, predicting and influencing behaviour, including the principles of learning, perception, motivation, thinking, emotion and interpersonal relationships;

(b) the application of methods and procedures of interviewing, counselling, psychotherapy, behaviour therapy, behaviour modification, hypnosis, research; or

(c) the construction, administration and interpretation of tests of mental abilities, aptitudes, interests, opinions, attitudes, emotions, personality characteristics, motivations and psychophysiological characteristics and the assessment or diagnosis of behaviour, emotional and mental disorder..."[1]

Governing Statute: Psychologists Act, Revised Statutes of British Columbia, 1979, Chapter 342, administered by the Ministry of Health.

Governing Body: British Columbia Psychological Association (BCPA). In order to practise as a psychologist in B.C., it is necessary to be registered by the BCPA.

Date of Record: December 1987 and December 1988.

Source of Data: British Columbia Psychological Association.

Preparation and Updating:

New registrants or changes in location or registration status are entered directly into a dynamic database, *PSYFILE*, at the Association's office.

In addition, a questionnaire is circulated by the BCPA to each of its members at the beginning of each year to review the information in the file. Following this, the annual *Directory* is published.

---

[1] *Psychologists Act* 1979, RSBC Chap. 342, p. 1.

See also *Canadian Classification and Dictionary of Occupations 1980.* Major Group 23, Unit Group 2315, pp. 5-7, Ottawa: Employment and Immigration Canada.

Definition of Terms:

1. **Registration**

A psychologist must be registered with the BCPA. The tables include registered psychologists who had a B.C. address at the date of record.

2. **Analysis of Change**

Table 2 illustrates the sources of change which affected the stock of psychologists from 1987 to 1988.

New registrants are psychologists included in the December 1988 stock who registered with the BCPA *for the first time* subsequent to December 1987. New registrants are recorded according to their place of graduation; i.e., from B.C., Other Canadian Schools (O.Can), the United States (U.S.A.), or Other.

Re-activations (Re-Act) represent those psychologists who were not registered in B.C. in December 1987, but were registered in B.C. in December 1988, and whose date of initial registration was before January 1988.

Attrition (Attr'n) describes psychologists who were included in the December 1987 stock but who, because of death, retirement, suspension, out-of-province relocation or non-renewal of registration were not included in the December 1988 stock.

Migration (Migr'n) describes the net effect of intraprovincial migration: it records the flow of psychologists among different Regional Hospital Districts. The net migration total is therefore zero.

Registered Psychologists per 10,000 Population by Regional Hospital District December 1988 N=699

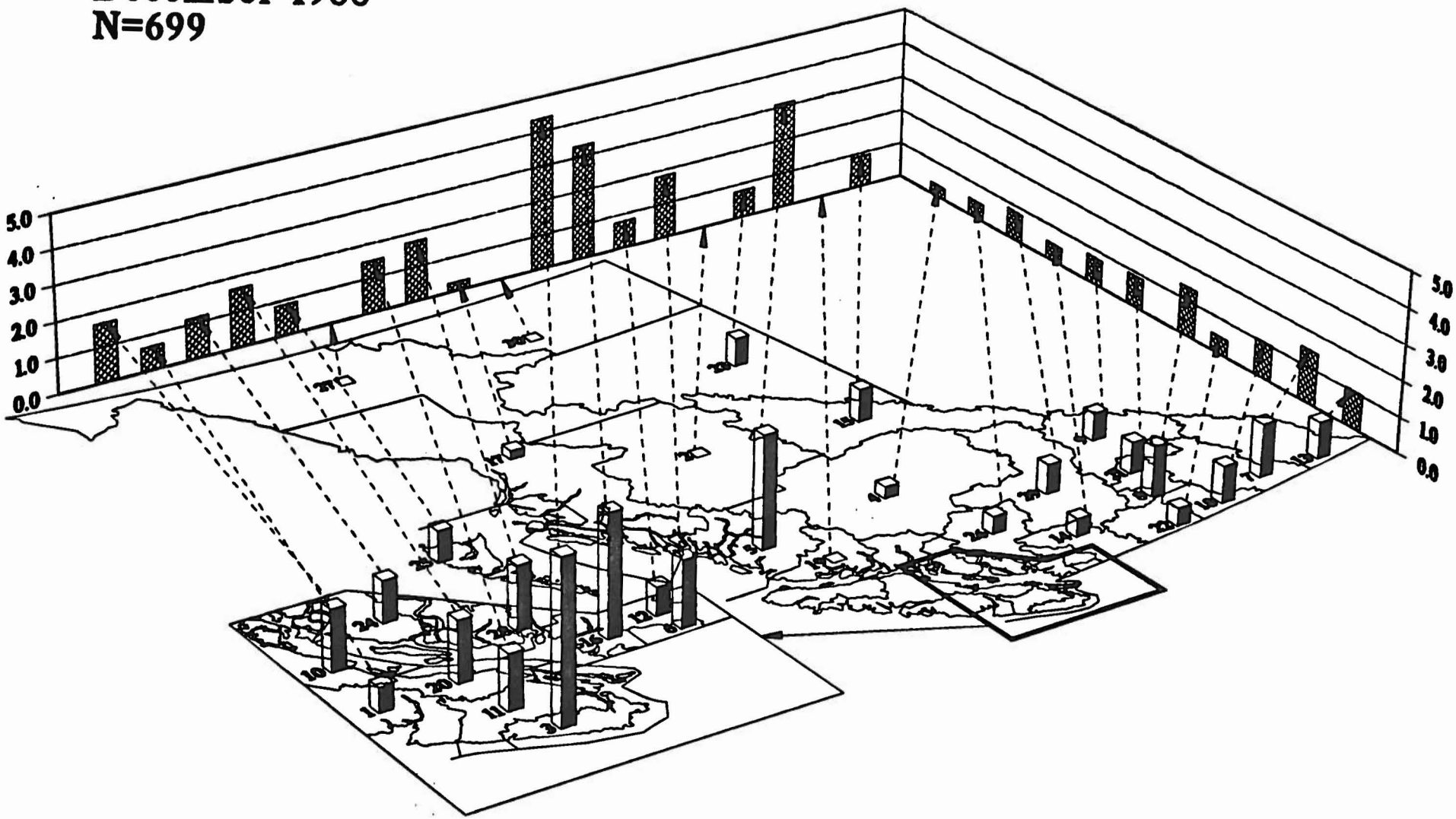


Table 1

Registered Psychologists[1] in British Columbia

by Regional Hospital District

December 1987 and December 1988

Regional Hospital District	Number 1987	Number 1988	Number per 10,000 Population 1987[2]	Number per 10,000 Population 1988	Average Annual Rate of Change Number[3]	Average Annual Rate of Change Ratio[4]
Non-Metropolitan - Subtotal	**146**	**143**	**1.07**	**1.04**	**-2.05**	**-2.85**
1 Alberni-Clayoquot	2	2	0.66	0.67	•	•
2 Bulkley-Nechako	1	0	0.27	0.0	•	•
4 Cariboo	4	2	0.66	0.33	•	•
5 Central Coast	0	1	0.0	3.08	•	•
6 Central Fraser Valley	26	27	1.83	1.83	3.85	-0.19
7 Central Kootenay	8	7	1.66	1.48	•	•
8 Central Okanagan	13	13	1.42	1.38	0.0	-2.35
9 Columbia-Shuswap	4	3	1.02	0.77	•	•
10 Comox-Strathcona	12	12	1.67	1.65	0.0	-1.09
11 Cowichan Valley	9	8	1.70	1.50	•	•
12 Dewdney-Alouette	6	6	0.82	0.79	•	•
13 East Kootenay	6	5	1.18	1.02	•	•
14 Fraser-Cheam	4	3	0.68	0.50	•	•
15 Fraser-Fort George	10	8	1.13	0.91	-20.00	-19.34
17 Kitimat-Stikine	1	1	0.25	0.25	•	•
18 Kootenay Boundary	3	3	1.01	1.02	•	•
19 Mount Waddington	0	0	0.0	0.0	•	•
20 Nanaimo	10	14	1.19	1.66	40.00	39.55
21 North Okanagan	5	5	0.90	0.89	•	•
22 Okanagan-Similkameen	3	3	0.50	0.49	•	•
23 Peace River	4	4	0.78	0.79	•	•
24 Powell River	2	2	1.13	1.15	•	•
25 Skeena-Queen Charlotte	1	2	0.43	0.87	•	•
26 Squamish-Lillooet	1	1	0.49	0.48	•	•
27 Stikine	0	0	0.0	0.0	•	•
28 Sunshine Coast	4	3	2.36	1.75	•	•
29 Thompson-Nicola	7	8	0.71	0.82	•	•
30 Fort Nelson/Liard	0	0	0.0	0.0	•	•
Metropolitan - Subtotal	**559**	**556**	**3.59**	**3.49**	**-0.54**	**-2.62**
3 Capital	118	120	4.37	4.37	1.69	-0.07
16 Greater Vancouver	441	436	3.42	3.31	-1.13	-3.28
TOTAL	**705**	**699**	**2.41**	**2.35**	**-0.85**	**-2.36**

[1]Definitions are as in the attached text.
[2]These figures differ from the corresponding figures for 1987 appearing in ROLLCALL 87. See Introduction.
[3]Rate of change (in percent) in the number.
[4]Rate of change (in percent) in the number per 10,000 population.
•Indicates that the base for the rate of change was less than 10.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 2

Analysis of Change in the Number of Psychologists[1]

in British Columbia by Regional Hospital District

December 1987 to December 1988

Regional Hospital District	1987[3]	New Registrants[2] by Place of Graduation: B.C.	O.Can.[4]	U.S.A.	Other	Total	Re-Act[5]	Attr'n[6]	Migr'n[7]	1988[8]
Non-Metropolitan - Subtotal	**146**	**1**	**0**	**1**	**1**	**3**	**1**	**6**	**-1**	**143**
1 Alberni-Clayoquot	2	0	0	0	0	0	0	0	0	2
2 Bulkley-Nechako	1	0	0	0	0	0	0	0	-1	0
4 Cariboo	4	0	0	0	0	0	0	0	-2	2
5 Central Coast	0	0	0	0	0	0	0	0	1	1
6 Central Fraser Valley	26	0	0	0	0	0	0	0	1	27
7 Central Kootenay	8	0	0	0	0	0	0	0	-1	7
8 Central Okanagan	13	0	0	1	0	1	0	0	-1	13
9 Columbia-Shuswap	4	0	0	0	0	0	0	0	-1	3
10 Comox-Strathcona	12	0	0	0	0	0	1	2	1	12
11 Cowichan Valley	9	0	0	0	0	0	0	0	-1	8
12 Dewdney-Alouette	6	0	0	0	0	0	0	0	0	6
13 East Kootenay	6	0	0	0	0	0	0	1	0	5
14 Fraser-Cheam	4	0	0	0	0	0	0	1	0	3
15 Fraser-Fort George	10	0	0	0	0	0	0	1	-1	8
17 Kitimat-Stikine	1	0	0	0	0	0	0	0	0	1
18 Kootenay Boundary	3	0	0	0	0	0	0	0	0	3
19 Mount Waddington	0	0	0	0	0	0	0	0	0	0
20 Nanaimo	10	1	0	0	0	1	0	0	3	14
21 North Okanagan	5	0	0	0	0	0	0	0	0	5
22 Okanagan-Similkameen	3	0	0	0	0	0	0	0	0	3
23 Peace River	4	0	0	0	0	0	0	0	0	4
24 Powell River	2	0	0	0	0	0	0	0	0	2
25 Skeena-Queen Charlotte	1	0	0	0	0	0	0	0	1	2
26 Squamish-Lillooet	1	0	0	0	0	0	0	0	0	1
27 Stikine	0	0	0	0	0	0	0	0	0	0
28 Sunshine Coast	4	0	0	0	0	0	0	1	0	3
29 Thompson-Nicola	7	0	0	0	1	1	0	0	0	8
30 Fort Nelson/Liard	0	0	0	0	0	0	0	0	0	0
Metropolitan - Subtotal	**559**	**4**	**7**	**2**	**0**	**13**	**13**	**30**	**1**	**556**
3 Capital	118	0	2	0	0	2	0	7	7	120
16 Greater Vancouver	441	4	5	2	0	11	13	23	-6	436
TOTAL	**705**	**5**	**7**	**3**	**1**	**16**	**14**	**36**	**0**	**699**

[1]Definitions are as in the attached text.
[2]Psychologists registered in B.C. in December 1988 and who were registered for the first time after December 1987.
[3]Number of psychologists as at December 1987.
[4]Other Canada.
[5]Psychologists registered in B.C. in December 1988 but not in December 1987 and who were registered for the first time before January 1988.
[6]Psychologists registered in B.C. in December 1987 but not in December 1988.
[7]Net effect of intraprovincial migration.
[8]Number of psychologists as at December 1988.
Prepared by:
Health Manpower Research Unit
The University of British Columbia

REGISTERED NURSES

REGISTERED NURSES

Definition: A Registered Nurse

Functions as a practitioner, educator, administrator or researcher. The choice of role will be determined by academic preparation, experience, established policies of the employing agency, and the nurse's employment agreement. A few nurses are self-employed.

These roles are performed in a variety of services and settings: acute, extended, intermediate and personal care; public health, occupational health, colleges and universities, doctors' offices and people's homes.[1]

Governing Statute: Nurses (Registered) Act, Revised Statutes of British Columbia, 1979, Chapter 302, administered by the Ministry of Health.

Governing Body: Registered Nurses Association of British Columbia (RNABC). The designation Registered Nurse (R.N.) is conferred by the RNABC upon those who have met the requirements for registration as stated in the Act.

Date of Record: June 1987 and June 1988.

Source of Data: Registered Nurses Association of British Columbia.

Preparation and Updating:

The tables, derived from the register of the RNABC, include Registered Nurses (R.N.s) who were B.C. residents at the date of record.

---

[1]From information provided by the Registered Nurses Association of British Columbia. See also *Canadian Classification and Dictionary of Occupations 1980*, Major Group 31, Nos. 3130-110 through 3131-138, pp. 52-54, Ottawa: Employment and Immigration Canada.

Definition of Terms:

1. **Registration Status**

A Registered Nurse may hold a *practising* or *non-practising* membership in the RNABC. A practising Registered Nurse may or may not be employed in nursing. A non-practising Registered Nurse who commences employment in British Columbia must convert to practising membership.

2. **Employment Status**

Tables 1, 2 and 3 show employment status for practising Registered Nurses and total numbers of non-practising Registered Nurses who were B.C. residents at the date of record.

3. **Place of Employment**

Principal place of employment is reported initially upon registration, and updated annually from the registration renewal form. Tables 4 and 5 show this information for practising Registered Nurses employed in nursing. The categories used are:

(a) Acute Care Hospital
(b) Activation/Rehabilitation Hospital
(c) Extended Care Hospital
(d) Psychiatric Hospital
(e) Long Term Care Facility/Nursing Home
(f) Home Care/Visiting Care Agency
(g) Community Health Agency
(h) Business/Industry
(i) Physician's Office/Family Practice Unit
(j) Educational Institution
(k) Self-Employed
(l) Other

4. Primary Area of Responsibility

Primary area of responsibility is reported initially upon registration, and updated annually from the registration renewal form. Tables 6 and 7 show this information for practising Registered Nurses employed in nursing. The categories used are:

(a) Medical/Surgical
(b) Critical Care (e.g., ICU, OR, Emergency)
(c) Maternal/Newborn
(d) Psychiatry/Mental Health
(e) Paediatrics
(f) Geriatrics/Gerontology
(g) Occupational Health
(h) Several Areas (e.g., float, small hospital, community, etc.)
(i) Other Patient Care
(j) Nursing Education Administration
(k) Nursing Services Administration
(l) Other Administration
(m) Teaching - Students
(n) Teaching - Employees
(o) Teaching - Patients/Clinets
(p) Teaching - Other Education
(q) Research

5. Employment Position

Employment position is reported initially upon registration, and updated annually from the registration renewal form. Tables 8 and 9 show this information for practising Registered Nurses employed in nursing. The categories used are:

(a) Director
(b) Associate/Assistant Director
(c) Supervisor/Assistant Supervisor
(d) Clinical Specialist/Clinician
(e) Head Nurse/Assistant Head Nurse
(f) Staff/General Duty Nurse
(g) Community/Occupational Health/Home Care Nurse
(h) Instructor/Professor
(i) Consultant/Counsellor
(j) Other

6. Analysis of Change

Table 10 illustrates key sources of change which may have affected the stock of Registered Nurses from 1987 to 1988.

New registrants include all nurses who were practising members as of June 1988 and who registered with the RNABC *for the first time* subsequent to June 1987. New registrants are recorded according to their place of graduation, i.e., from B.C., Other Canadian Schools (O.Can), the United Kingdom (U.K.), or Other.

Re-activations (Re-Act) represent those nurses who did not renew practising membership in June 1987 but were practising members in B.C. in June 1988, and whose date of initial registration was before July 1987.

Attrition (Attr'n) describes those Registered Nurses who were included in the 1987 Registered Nurse stock, but who, because of death, retirement, out-of-province relocation or non-renewal of registration, were not included in the 1988 stock.

Migration (Migr'n) describes the net effect of intraprovincial migration; it records the flow of Registered Nurses among different Regional Hospital Districts. The net migration total is therefore zero.

Practising Registered Nurses Employed in Nursing per 10,000 Population by Regional Hospital District June 1988 N=23037

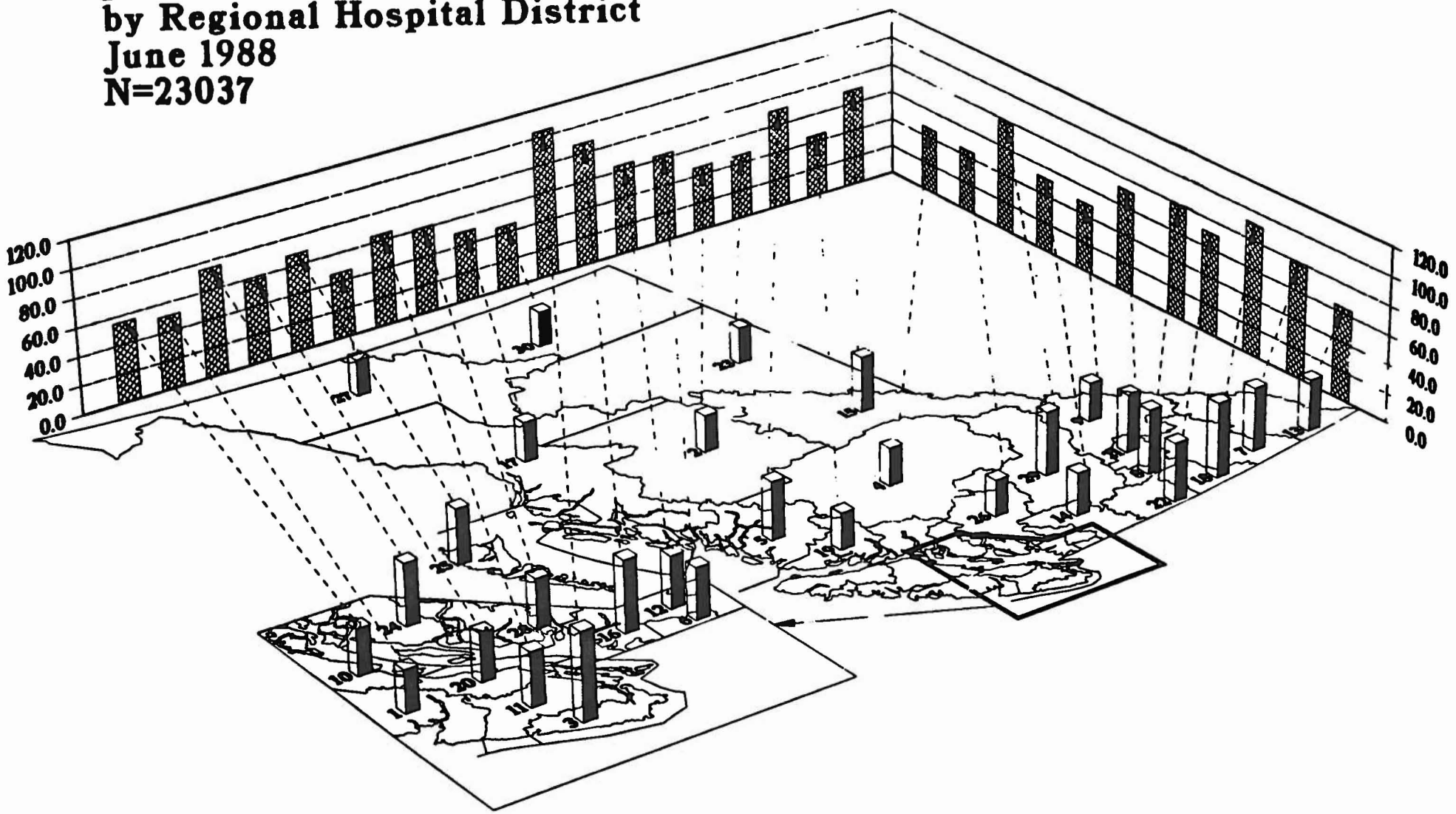


Table 1

Registered Nurses[1] in British Columbia

by Regional Hospital District by Registration and Employment Status

June 1987 and June 1988

Regional Hospital District	Practising: Employed in Nursing 1987	Practising: Employed in Nursing 1988	Practising: Not Employed in Nursing 1987	Practising: Not Employed in Nursing 1988	Practising: Subtotal 1987	Practising: Subtotal 1988	Non-Practising 1987	Non-Practising 1988	Total 1987	Total 1988
Non-Metropolitan - Subtotal	**8,290**	**8,690**	**307**	**331**	**8,597**	**9,021**	**1,106**	**1,079**	**9,703**	**10,100**
1 Alberni-Clayoquot	156	152	5	11	161	163	20	16	181	179
2 Bulkley-Nechako	156	171	6	7	162	178	34	29	196	207
4 Cariboo	268	281	14	9	282	290	37	30	319	320
5 Central Coast	27	23	0	0	27	23	2	1	29	24
6 Central Fraser Valley	853	928	31	41	884	969	110	121	994	1,090
7 Central Kootenay	350	371	10	9	360	380	50	39	410	419
8 Central Okanagan	707	738	26	28	733	766	84	99	817	865
9 Columbia-Shuswap	177	189	11	8	188	197	37	29	225	226
10 Comox-Strathcona	372	403	32	31	404	434	89	79	493	513
11 Cowichan Valley	319	345	12	13	331	358	45	40	376	398
12 Dewdney-Alouette	451	486	11	7	462	493	46	46	508	539
13 East Kootenay	311	313	11	11	322	324	37	33	359	357
14 Fraser-Cheam	291	312	13	8	304	320	49	50	353	370
15 Fraser-Fort George	586	609	20	20	606	629	61	53	667	682
17 Kitimat-Stikine	202	198	10	7	212	205	29	29	241	234
18 Kootenay Boundary	261	270	8	10	269	280	33	29	302	309
19 Mount Waddington	66	64	2	3	68	67	12	9	80	76
20 Nanaimo	468	488	19	27	487	515	82	83	569	598
21 North Okanagan	406	405	11	10	417	415	33	46	450	461
22 Okanagan-Similkameen	424	432	10	10	434	442	46	43	480	485
23 Peace River	220	234	4	7	224	241	26	26	250	267
24 Powell River	126	131	1	4	127	135	18	11	145	146
25 Skeena-Queen Charlotte	142	156	8	6	150	162	15	18	165	180
26 Squamish-Lillooet	92	92	3	4	95	96	18	21	113	117
27 Stikine	8	8	0	0	8	8	1	1	9	9
28 Sunshine Coast	101	104	4	5	105	109	18	22	123	131
29 Thompson-Nicola	728	764	23	35	751	799	70	72	821	871
30 Fort Nelson/Liard	22	23	2	0	24	23	4	4	28	27
Metropolitan - Subtotal	**13,840**	**14,347**	**578**	**594**	**14,418**	**14,941**	**1,717**	**1,651**	**16,135**	**16,592**
3 Capital	2,734	2,862	161	148	2,895	3,010	366	354	3,261	3,364
16 Greater Vancouver	11,106	11,485	417	446	11,523	11,931	1,351	1,297	12,874	13,228
TOTAL	**22,130**	**23,037**	**885**	**925**	**23,015**	**23,962**	**2,823**	**2,730**	**25,838**	**26,692**

[1]Definitions are as in the attached text.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 2

Registered Nurses[1] in British Columbia

per 10,000 Population by Regional Hospital District by Registration and Employment Status

June 1987[2] and June 1988

Regional Hospital District	Practising: Employed in Nursing 1987	Practising: Employed in Nursing 1988	Practising: Not Employed in Nursing 1987	Practising: Not Employed in Nursing 1988	Practising: Subtotal 1987	Practising: Subtotal 1988	Non-Practising 1987	Non-Practising 1988	Total 1987	Total 1988
Non-Metropolitan - Subtotal	**60.72**	**63.14**	**2.25**	**2.40**	**62.97**	**65.54**	**8.10**	**7.84**	**71.07**	**73.38**
1 Alberni-Clayoquot	51.81	50.86	1.66	3.68	53.47	54.54	6.64	5.35	60.11	59.89
2 Bulkley-Nechako	42.22	46.25	1.62	1.89	43.84	48.14	9.20	7.84	53.04	55.99
4 Cariboo	44.33	46.51	2.32	1.49	46.64	48.00	6.12	4.97	52.76	52.97
5 Central Coast	83.93	70.94	0.0	0.0	83.93	70.94	6.22	3.08	90.15	74.03
6 Central Fraser Valley	60.16	62.90	2.19	2.78	62.34	65.68	7.76	8.20	70.10	73.88
7 Central Kootenay	72.65	78.41	2.08	1.90	74.73	80.31	10.38	8.24	85.10	88.55
8 Central Okanagan	77.02	78.51	2.83	2.98	79.86	81.49	9.15	10.53	89.01	92.02
9 Columbia-Shuswap	44.96	48.56	2.79	2.06	47.76	50.62	9.40	7.45	57.15	58.07
10 Comox-Strathcona	51.83	55.54	4.46	4.27	56.29	59.81	12.40	10.89	68.69	70.70
11 Cowichan Valley	60.34	64.52	2.27	2.43	62.61	66.96	8.51	7.48	71.12	74.44
12 Dewdney-Alouette	61.95	63.81	1.51	0.92	63.46	64.73	6.32	6.04	69.78	70.77
13 East Kootenay	61.39	63.74	2.17	2.24	63.56	65.98	7.30	6.72	70.86	72.70
14 Fraser-Cheam	49.38	52.10	2.21	1.34	51.59	53.44	8.32	8.35	59.90	61.79
15 Fraser-Fort George	66.40	69.57	2.27	2.28	68.67	71.86	6.91	6.05	75.58	77.91
17 Kitimat-Stikine	50.65	49.28	2.51	1.74	53.16	51.02	7.27	7.22	60.43	58.24
18 Kootenay Boundary	87.68	91.59	2.69	3.39	90.37	94.98	11.09	9.84	101.46	104.82
19 Mount Waddington	45.24	44.51	1.37	2.09	46.61	46.60	8.23	6.26	54.84	52.86
20 Nanaimo	55.81	58.01	2.27	3.21	58.08	61.22	9.78	9.87	67.86	71.08
21 North Okanagan	73.27	72.00	1.99	1.78	75.25	73.77	5.96	8.18	81.21	81.95
22 Okanagan-Similkameen	70.51	70.84	1.66	1.64	72.17	72.48	7.65	7.05	79.82	79.53
23 Peace River	42.93	45.93	0.78	1.37	43.71	47.30	5.07	5.10	48.78	52.41
24 Powell River	71.03	75.22	0.56	2.30	71.59	77.51	10.15	6.32	81.74	83.83
25 Skeena-Queen Charlotte	61.41	67.92	3.46	2.61	64.87	70.53	6.49	7.84	71.35	78.37
26 Squamish-Lillooet	45.45	44.43	1.48	1.93	46.93	46.36	8.89	10.14	55.82	56.50
27 Stikine	43.91	46.00	0.0	0.0	43.91	46.00	5.49	5.75	49.40	51.75
28 Sunshine Coast	59.52	60.56	2.36	2.91	61.87	63.47	10.61	12.81	72.48	76.28
29 Thompson-Nicola	74.24	78.03	2.35	3.57	76.58	81.61	7.14	7.35	83.72	88.96
30 Fort Nelson/Liard	42.30	44.86	3.85	0.0	46.14	44.86	7.69	7.80	53.84	52.66
Metropolitan - Subtotal	**88.77**	**90.10**	**3.71**	**3.73**	**92.48**	**93.83**	**11.01**	**10.37**	**103.50**	**104.20**
3 Capital	101.33	104.24	5.97	5.39	107.30	109.63	13.57	12.89	120.87	122.52
16 Greater Vancouver	86.15	87.15	3.23	3.38	89.38	90.54	10.48	9.84	99.86	100.38
TOTAL	**75.69**	**77.60**	**3.03**	**3.12**	**78.72**	**80.71**	**9.66**	**9.20**	**88.38**	**89.91**

[1]Definitions are as in the attached text.
[2]The figures differ from the corresponding figures appearing in ROLLCALL 87. See Introduction.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 3

Average Annual Rate of Change: Registered Nurses[1]

in British Columbia by Regional Hospital District by Registration and Employment Status

June 1987 to June 1988

	Practising									
	Employed in Nursing		Not Employed in Nursing		Subtotal		Non-Practising		Total	
Regional Hospital District	Number[2]	Ratio[3]	Number[2]	Ratio[3]	Number[2]	Ratio[3]	Number[2]	Ratio[3]	Number[2]	Ratio[3]
Non-Metropolitan - Subtotal	4.83	3.97	7.82	6.94	4.93	4.08	-2.44	-3.23	4.09	3.25
1 Alberni-Clayoquot	-2.56	-1.84	*	*	1.24	1.99	-20.00	-19.41	-1.10	-0.37
2 Bulkley-Nechako	9.62	9.55	*	*	9.88	9.81	-14.71	-14.75	5.61	5.55
4 Cariboo	4.85	4.93	-35.71	-35.67	2.84	2.91	-18.92	-18.86	0.31	0.39
5 Central Coast	-14.81	-15.47	*	*	-14.81	-15.47	*	*	-17.24	-17.88
6 Central Fraser Valley	8.79	4.56	32.26	27.12	9.62	5.35	10.00	5.72	9.66	5.39
7 Central Kootenay	6.00	7.92	-10.00	-8.37	5.56	7.47	-22.00	-20.59	2.20	4.05
8 Central Okanagan	4.38	1.93	7.69	5.16	4.50	2.05	17.86	15.09	5.88	3.39
9 Columbia-Shuswap	6.78	8.01	-27.27	-26.43	4.79	6.00	-21.62	-20.72	0.44	1.61
10 Comox-Strathcona	8.33	7.15	-3.12	-4.18	7.43	6.26	-11.24	-12.20	4.06	2.92
11 Cowichan Valley	8.15	6.93	8.33	7.12	8.16	6.94	-11.11	-12.11	5.85	4.66
12 Dewdney-Alouette	7.76	3.00	-36.36	-39.17	6.71	2.00	0.0	-4.41	6.10	1.42
13 East Kootenay	0.64	3.83	0.0	3.17	0.62	3.81	-10.81	-7.99	-0.56	2.59
14 Fraser-Cheam	7.22	5.50	-38.46	-39.44	5.26	3.58	2.04	0.41	4.82	3.14
15 Fraser-Fort George	3.92	4.78	0.0	0.82	3.80	4.65	-13.11	-12.40	2.25	3.09
17 Kitimat-Stikine	-1.98	-2.72	-30.00	-30.53	-3.30	-4.03	0.0	-0.76	-2.90	-3.64
18 Kootenay Boundary	3.45	4.46	*	*	4.09	5.10	-12.12	-11.27	2.32	3.31
19 Mount Waddington	-3.03	-1.61	*	*	-1.47	-0.03	-25.00	-23.90	-5.00	-3.61
20 Nanaimo	4.27	3.94	42.11	41.65	5.75	5.41	1.22	0.89	5.10	4.76
21 North Okanagan	-0.25	-1.74	-9.09	-10.45	-0.48	-1.97	39.39	37.31	2.44	0.91
22 Okanagan-Similkameen	1.89	0.47	0.0	-1.39	1.84	0.43	-6.52	-7.82	1.04	-0.37
23 Peace River	6.36	7.00	*	*	7.59	8.23	0.0	0.60	6.80	7.44
24 Powell River	3.97	5.90	*	*	6.30	8.27	-38.89	-37.76	0.69	2.56
25 Skeena-Queen Charlotte	9.86	10.60	*	*	8.00	8.73	20.00	20.81	9.09	9.83
26 Squamish-Lillooet	0.0	-2.25	*	*	1.05	-1.22	16.67	14.05	3.54	1.21
27 Stikine	*	*	*	*	*	*	*	*	*	*
28 Sunshine Coast	2.97	1.75	*	*	3.81	2.58	22.22	20.78	6.50	5.25
29 Thompson-Nicola	4.95	5.12	52.17	52.42	6.39	6.56	2.86	3.02	6.09	6.26
30 Fort Nelson/Liard	4.55	6.05	*	*	-4.17	-2.78	*	*	-3.57	-2.18
Metropolitan - Subtotal	3.66	1.49	2.77	0.61	3.63	1.46	-3.84	-5.86	2.83	0.68
3 Capital	4.68	2.87	-8.07	-9.67	3.97	2.17	-3.28	-4.96	3.16	1.37
16 Greater Vancouver	3.41	1.17	6.95	4.63	3.54	1.29	-4.00	-6.08	2.75	0.52
TOTAL	4.10	2.51	4.52	2.93	4.11	2.53	-3.29	-4.77	3.31	1.73

[1]Definitions are as in the attached text.
[2]Rate of change (in percent) in the number.
[3]Rate of change (in percent) in the number per 10,000 population.
*Indicates that the base for the rate of change was less than 10.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 4

Practising Registered Nurses[1] Employed in Nursing in British Columbia

by Regional Hospital District by Place of Employment

June 1988

Regional Hospital District	Acute Care Hospital	Activation/ Rehab. Hospital	Extended Care Hospital	Psychiatric Hospital	Hospital Subtotal	Long Term Care Facility/ Nursing Home	Home Care/ Visiting Care Agency
Non-Metropolitan - Subtotal	**5,965**	**12**	**414**	**59**	**6,450**	**640**	**302**
1 Alberni-Clayoquot	104	0	2	0	106	15	4
2 Bulkley-Nechako	117	0	0	0	117	15	5
4 Cariboo	193	0	12	0	205	17	15
5 Central Coast	18	0	0	0	18	0	2
6 Central Fraser Valley	643	4	58	16	721	69	18
7 Central Kootenay	239	0	20	1	260	36	12
8 Central Okanagan	474	2	58	0	534	64	27
9 Columbia-Shuswap	140	0	4	0	144	17	2
10 Comox-Strathcona	272	0	16	1	289	30	16
11 Cowichan Valley	229	0	34	2	265	23	17
12 Dewdney-Alouette	327	1	29	36	393	27	13
13 East Kootenay	214	0	12	0	226	31	14
14 Fraser-Cheam	219	2	16	1	238	25	11
15 Fraser-Fort George	477	2	11	0	490	16	15
17 Kitimat-Stikine	144	0	1	1	146	0	10
18 Kootenay Boundary	180	0	16	0	196	20	13
19 Mount Waddington	54	0	0	0	54	1	0
20 Nanaimo	293	0	27	0	320	52	24
21 North Okanagan	288	0	17	0	305	38	13
22 Okanagan-Similkameen	289	0	30	0	319	52	19
23 Peace River	144	0	11	0	155	17	9
24 Powell River	100	0	2	1	103	11	2
25 Skeena-Queen Charlotte	107	0	1	0	108	7	6
26 Squamish-Lillooet	59	0	1	0	60	7	3
27 Stikine	3	0	0	0	3	0	0
28 Sunshine Coast	62	0	1	0	63	15	5
29 Thompson-Nicola	557	1	35	0	593	35	27
30 Fort Nelson/Liard	19	0	0	0	19	0	0
Metropolitan - Subtotal	**9,716**	**227**	**803**	**240**	**10,986**	**853**	**420**
3 Capital	1,726	73	254	61	2,114	272	85
16 Greater Vancouver	7,990	154	549	179	8,872	581	335
TOTAL	**15,681**	**239**	**1,217**	**299**	**17,436**	**1,493**	**722**

[1]Definitions are as in the attached text.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

... *continued*

Table 4
(Continued)

Practising Registered Nurses[1] Employed in Nursing in British Columbia

by Regional Hospital District by Place of Employment

June 1988

Regional Hospital District	Community Health Agency	Business/ Industry	Physician's Office/ Family Practice Unit	Educational Institution	Self-Employed	Other[2]	Total
Non-Metropolitan - Subtotal	**596**	**54**	**258**	**163**	**33**	**194**	**8,690**
1 Alberni-Clayoquot	11	1	9	1	0	5	152
2 Bulkley-Nechako	24	0	2	0	0	8	171
4 Cariboo	27	0	12	1	0	4	281
5 Central Coast	2	0	1	0	0	0	23
6 Central Fraser Valley	58	8	15	7	10	22	928
7 Central Kootenay	31	1	7	12	1	11	371
8 Central Okanagan	31	9	40	19	3	11	738
9 Columbia-Shuswap	16	0	5	1	1	3	189
10 Comox-Strathcona	37	2	10	8	2	9	403
11 Cowichan Valley	19	0	7	8	0	6	345
12 Dewdney-Alouette	20	5	10	4	1	13	486
13 East Kootenay	25	0	7	5	0	5	313
14 Fraser-Cheam	12	3	5	1	0	17	312
15 Fraser-Fort George	32	2	12	25	2	15	609
17 Kitimat-Stikine	23	3	7	4	0	5	198
18 Kootenay Boundary	14	3	12	6	0	6	270
19 Mount Waddington	7	0	0	1	1	0	64
20 Nanaimo	38	5	17	20	4	8	488
21 North Okanagan	18	3	13	5	3	7	405
22 Okanagan-Similkameen	19	1	15	1	2	4	432
23 Peace River	32	1	11	5	0	4	234
24 Powell River	10	0	4	0	0	1	131
25 Skeena-Queen Charlotte	18	1	9	0	0	7	156
26 Squamish-Lillooet	12	0	7	0	0	3	92
27 Stikine	2	0	2	0	0	1	8
28 Sunshine Coast	9	0	9	1	1	1	104
29 Thompson-Nicola	47	6	10	27	2	17	764
30 Fort Nelson/Liard	2	0	0	1	0	1	23
Metropolitan - Subtotal	**768**	**153**	**265**	**401**	**121**	**380**	**14,347**
3 Capital	144	16	69	63	18	81	2,862
16 Greater Vancouver	624	137	196	338	103	299	11,485
TOTAL	**1,364**	**207**	**523**	**564**	**154**	**574**	**23,037**

[1]Definitions are as in the attached text.
[2]Includes 17 Practising Employed Registered Nurses who did not provide this information.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 5

Practising Registered Nurses[1] Employed in Nursing in British Columbia

per 10,000 Population by Regional Hospital District by Place of Employment

June 1988

Regional Hospital District	Acute Care Hospital	Activation/ Rehab. Hospital	Extended Care Hospital	Psychiatric Hospital	Hospital Subtotal	Long Term Care Facility/ Nursing Home	Home Care/ Visiting Care Agency
Non-Metropolitan - Subtotal	43.34	0.09	3.01	0.43	46.86	4.65	2.19
1 Alberni-Clayoquot	34.80	0.0	0.67	0.0	35.47	5.02	1.34
2 Bulkley-Nechako	31.64	0.0	0.0	0.0	31.64	4.06	1.35
4 Cariboo	31.95	0.0	1.99	0.0	33.93	2.81	2.48
5 Central Coast	55.52	0.0	0.0	0.0	55.52	0.0	6.17
6 Central Fraser Valley	43.58	0.27	3.93	1.08	48.87	4.68	1.22
7 Central Kootenay	50.51	0.0	4.23	0.21	54.95	7.61	2.54
8 Central Okanagan	50.43	0.21	6.17	0.0	56.81	6.81	2.87
9 Columbia-Shuswap	35.97	0.0	1.03	0.0	37.00	4.37	0.51
10 Comox-Strathcona	37.49	0.0	2.21	0.14	39.83	4.13	2.21
11 Cowichan Valley	42.83	0.0	6.36	0.37	49.56	4.30	3.18
12 Dewdney-Alouette	42.94	0.13	3.81	4.73	51.60	3.55	1.71
13 East Kootenay	43.58	0.0	2.44	0.0	46.02	6.31	2.85
14 Fraser-Cheam	36.57	0.33	2.67	0.17	39.74	4.17	1.84
15 Fraser-Fort George	54.49	0.23	1.26	0.0	55.98	1.83	1.71
17 Kitimat-Stikine	35.84	0.0	0.25	0.25	36.33	0.0	2.49
18 Kootenay Boundary	61.06	0.0	5.43	0.0	66.49	6.78	4.41
19 Mount Waddington	37.56	0.0	0.0	0.0	37.56	0.70	0.0
20 Nanaimo	34.83	0.0	3.21	0.0	38.04	6.18	2.85
21 North Okanagan	51.20	0.0	3.02	0.0	54.22	6.76	2.31
22 Okanagan-Similkameen	47.39	0.0	4.92	0.0	52.31	8.53	3.12
23 Peace River	28.26	0.0	2.16	0.0	30.42	3.34	1.77
24 Powell River	57.42	0.0	1.15	0.57	59.14	6.32	1.15
25 Skeena-Queen Charlotte	46.58	0.0	0.44	0.0	47.02	3.05	2.61
26 Squamish-Lillooet	28.49	0.0	0.48	0.0	28.98	3.38	1.45
27 Stikine	17.25	0.0	0.0	0.0	17.25	0.0	0.0
28 Sunshine Coast	36.10	0.0	0.58	0.0	36.69	8.73	2.91
29 Thompson-Nicola	56.89	0.10	3.57	0.0	60.57	3.57	2.76
30 Fort Nelson/Liard	37.06	0.0	0.0	0.0	37.06	0.0	0.0
Metropolitan - Subtotal	61.02	1.43	5.04	1.51	68.99	5.36	2.64
3 Capital	62.86	2.66	9.25	2.22	76.99	9.91	3.10
16 Greater Vancouver	60.63	1.17	4.17	1.36	67.32	4.41	2.54
TOTAL	52.82	0.81	4.10	1.01	58.73	5.03	2.43

[1]Definitions are as in the attached text.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

... *continued*

Table 5
(Continued)

Practising Registered Nurses[1] Employed in Nursing in British Columbia

per 10,000 Population by Regional Hospital District by Place of Employment

June 1988

Regional Hospital District	Community Health Agency	Business/ Industry	Physician's Office/ Family Practice Unit	Educational Institution	Self-Employed	Other[2]	Total
Non-Metropolitan - Subtotal	**4.33**	**0.39**	**1.87**	**1.18**	**0.24**	**1.41**	**63.14**
1 Alberni-Clayoquot	3.68	0.33	3.01	0.33	0.0	1.67	50.86
2 Bulkley-Nechako	6.49	0.0	0.54	0.0	0.0	2.16	46.25
4 Cariboo	4.47	0.0	1.99	0.17	0.0	0.66	46.51
5 Central Coast	6.17	0.0	3.08	0.0	0.0	0.0	70.94
6 Central Fraser Valley	3.93	0.54	1.02	0.47	0.68	1.49	62.90
7 Central Kootenay	6.55	0.21	1.48	2.54	0.21	2.32	78.41
8 Central Okanagan	3.30	0.96	4.26	2.02	0.32	1.17	78.51
9 Columbia-Shuswap	4.11	0.0	1.28	0.26	0.26	0.77	48.56
10 Comox-Strathcona	5.10	0.28	1.38	1.10	0.28	1.24	55.54
11 Cowichan Valley	3.55	0.0	1.31	1.50	0.0	1.12	64.52
12 Dewdney-Alouette	2.63	0.66	1.31	0.53	0.13	1.71	63.81
13 East Kootenay	5.09	0.0	1.43	1.02	0.0	1.02	63.74
14 Fraser-Cheam	2.00	0.50	0.83	0.17	0.0	2.84	52.10
15 Fraser-Fort George	3.66	0.23	1.37	2.86	0.23	1.71	69.57
17 Kitimat-Stikine	5.72	0.75	1.74	1.00	0.0	1.24	49.28
18 Kootenay Boundary	4.75	1.02	4.07	2.04	0.0	2.04	91.59
19 Mount Waddington	4.87	0.0	0.0	0.70	0.70	0.0	44.51
20 Nanaimo	4.52	0.59	2.02	2.38	0.48	0.95	58.01
21 North Okanagan	3.20	0.53	2.31	0.89	0.53	1.24	72.00
22 Okanagan-Similkameen	3.12	0.16	2.46	0.16	0.33	0.66	70.84
23 Peace River	6.28	0.20	2.16	0.98	0.0	0.79	45.93
24 Powell River	5.74	0.0	2.30	0.0	0.0	0.57	75.22
25 Skeena-Queen Charlotte	7.84	0.44	3.92	0.0	0.0	3.05	67.92
26 Squamish-Lillooet	5.80	0.0	3.38	0.0	0.0	1.45	44.43
27 Stikine	11.50	0.0	11.50	0.0	0.0	5.75	46.00
28 Sunshine Coast	5.24	0.0	5.24	0.58	0.58	0.58	60.56
29 Thompson-Nicola	4.80	0.61	1.02	2.76	0.20	1.74	78.03
30 Fort Nelson/Liard	3.90	0.0	0.0	1.95	0.0	1.95	44.86
Metropolitan - Subtotal	**4.82**	**0.96**	**1.66**	**2.52**	**0.76**	**2.39**	**90.10**
3 Capital	5.24	0.58	2.51	2.29	0.66	2.95	104.24
16 Greater Vancouver	4.74	1.04	1.49	2.56	0.78	2.27	87.15
TOTAL	**4.59**	**0.70**	**1.76**	**1.90**	**0.52**	**1.93**	**77.60**

[1]Definitions are as in the attached text.
[2]Includes 17 Practising Employed Registered Nurses who did not provide this information (see Table 4).

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 6

Practising Registered Nurses[1] Employed in Nursing in British Columbia

by Regional Hospital District by Primary Area of Responsibility

June 1988

Regional Hospital District	Direct Patient Care									
	Medical/ Surgical	Critical Care[2]	Maternal/ Newborn	Psychiatry/ Mental Health	Paediatrics	Geriatrics/ Gerontology	Occupa-tional Health	Several Areas[3]	Other Patient Care	Sub-total
Non-Metropolitan - Subtotal	**1,535**	**1,971**	**698**	**324**	**288**	**1,093**	**69**	**1,606**	**177**	**7,761**
1 Alberni-Clayoquot	16	40	13	7	4	22	1	35	4	142
2 Bulkley-Nechako	21	23	10	1	1	14	1	75	1	147
4 Cariboo	53	56	23	3	13	32	1	71	5	257
5 Central Coast	1	5	0	0	0	0	1	12	2	21
6 Central Fraser Valley	198	226	87	48	39	128	8	91	8	833
7 Central Kootenay	57	77	30	13	6	66	1	76	4	330
8 Central Okanagan	136	188	49	31	30	113	8	77	20	652
9 Columbia-Shuswap	26	39	4	4	0	24	0	71	2	170
10 Comox-Strathcona	81	88	33	21	6	48	3	71	8	359
11 Cowichan Valley	67	73	33	15	19	46	1	53	5	312
12 Dewdney-Alouette	101	125	34	30	20	64	5	52	5	436
13 East Kootenay	34	48	11	11	2	54	1	113	6	280
14 Fraser-Cheam	58	81	24	13	10	42	0	48	11	287
15 Fraser-Fort George	117	167	82	21	35	31	3	60	19	535
17 Kitimat-Stikine	35	42	24	1	6	3	3	58	4	176
18 Kootenay Boundary	47	59	21	14	9	39	6	46	6	247
19 Mount Waddington	4	3	0	2	1	1	0	46	1	58
20 Nanaimo	83	99	34	18	15	81	4	72	16	422
21 North Okanagan	64	108	27	19	19	53	3	71	3	367
22 Okanagan-Similkameen	72	117	26	13	6	75	3	75	9	396
23 Peace River	38	41	26	0	6	37	1	46	4	199
24 Powell River	27	24	17	3	7	21	1	18	0	118
25 Skeena-Queen Charlotte	24	26	17	0	9	8	0	43	7	134
26 Squamish-Lillooet	6	10	1	0	1	9	0	55	1	83
27 Stikine	0	0	0	0	0	0	0	7	0	7
28 Sunshine Coast	17	20	5	1	1	16	1	28	3	92
29 Thompson-Nicola	151	184	66	34	23	66	12	121	23	680
30 Fort Nelson/Liard	1	2	1	1	0	0	1	15	0	21
Metropolitan - Subtotal	**2,812**	**3,909**	**1,037**	**626**	**662**	**1,833**	**193**	**1,145**	**353**	**12,570**
3 Capital	553	703	187	132	104	548	27	218	84	2,556
16 Greater Vancouver	2,259	3,206	850	494	558	1,285	166	927	269	10,014
TOTAL	**4,347**	**5,880**	**1,735**	**950**	**950**	**2,926**	**262**	**2,751**	**530**	**20,331**

[1]Definitions are as in the attached text.
[2]e.g. ICU, OR, ER
[3]e.g. float, small hospital, community health

Prepared by:
Health Manpower Research Unit
The University of British Columbia

... *continued*

Table 6
(Continued)

Practising Registered Nurses[1] Employed in Nursing in British Columbia

by Regional Hospital District by Primary Area of Responsibility

June 1988

Regional Hospital District	Administration				Teaching					Research	Unknown	Total
	Nursing Educ.	Nursing Services	Other	Sub-total	Students	Employees	Clients	Other	Sub-total			
Non-Metropolitan - Subtotal	11	354	117	482	142	36	52	52	282	5	160	8,690
1 Alberni-Clayoquot	0	5	0	5	1	0	0	0	1	0	4	152
2 Bulkley-Nechako	0	9	5	14	0	0	4	1	5	0	5	171
4 Cariboo	0	10	6	16	1	0	0	0	1	0	7	281
5 Central Coast	0	1	1	2	0	0	0	0	0	0	0	23
6 Central Fraser Valley	0	36	11	47	10	4	6	9	29	3	16	928
7 Central Kootenay	1	14	6	21	9	3	1	2	15	0	5	371
8 Central Okanagan	1	24	10	35	18	2	5	5	30	2	19	738
9 Columbia-Shuswap	0	7	4	11	0	1	5	0	6	0	2	189
10 Comox-Strathcona	0	22	4	26	6	0	2	2	10	0	8	403
11 Cowichan Valley	0	10	4	14	3	1	3	2	9	0	10	345
12 Dewdney-Alouette	2	21	4	27	4	4	5	3	16	0	7	486
13 East Kootenay	0	20	5	25	4	0	2	0	6	0	2	313
14 Fraser-Cheam	0	12	3	15	1	0	3	1	5	0	5	312
15 Fraser-Fort George	2	23	4	29	21	5	5	4	35	0	10	609
17 Kitimat-Stikine	1	8	7	16	3	1	0	0	4	0	2	198
18 Kootenay Boundary	0	5	5	10	6	0	2	2	10	0	3	270
19 Mount Waddington	0	4	1	5	0	0	0	1	1	0	0	64
20 Nanaimo	1	21	7	29	20	0	2	7	29	0	8	488
21 North Okanagan	1	17	4	22	2	0	3	4	9	0	7	405
22 Okanagan-Similkameen	0	16	3	19	1	5	0	1	7	0	10	432
23 Peace River	0	17	3	20	4	2	0	3	9	0	6	234
24 Powell River	1	8	2	11	0	0	0	0	0	0	2	131
25 Skeena-Queen Charlotte	0	9	1	10	0	1	0	3	4	0	8	156
26 Squamish-Lillooet	0	3	3	6	0	0	0	0	0	0	3	92
27 Stikine	0	0	0	0	0	0	1	0	1	0	0	8
28 Sunshine Coast	0	5	1	6	1	2	0	0	3	0	3	104
29 Thompson-Nicola	1	27	13	41	27	4	2	2	35	0	8	764
30 Fort Nelson/Liard	0	0	0	0	0	1	1	0	2	0	0	23
Metropolitan - Subtotal	36	531	219	786	339	118	97	78	632	56	303	14,347
3 Capital	8	97	47	152	48	22	15	13	98	6	50	2,862
16 Greater Vancouver	28	434	172	634	291	96	82	65	534	50	253	11,485
TOTAL	47	885	336	1,268	481	154	149	130	914	61	463	23,037

[1]Definitions are as in the attached text.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 7

Practising Registered Nurses[1] Employed in Nursing in British Columbia

Per 10,000 Population by Regional Hospital District by Primary Area of Responsibility

June 1988

Regional Hospital District	Direct Patient Care									
	Medical/ Surgical	Critical Care[2]	Maternal/ Newborn	Psychiatry/ Mental Health	Paediatrics	Geriatrics/ Gerontology	Occupa-tional Health	Several Areas[3]	Other Patient Care	Sub-total
Non-Metropolitan - Subtotal	**11.15**	**14.32**	**5.07**	**2.35**	**2.09**	**7.94**	**0.50**	**11.67**	**1.29**	**56.39**
1 Alberni-Clayoquot	5.35	13.38	4.35	2.34	1.34	7.36	0.33	11.71	1.34	47.51
2 Bulkley-Nechako	5.68	6.22	2.70	0.27	0.27	3.79	0.27	20.29	0.27	39.76
4 Cariboo	8.77	9.27	3.81	0.50	2.15	5.30	0.17	11.75	0.83	42.54
5 Central Coast	3.08	15.42	0.0	0.0	0.0	0.0	3.08	37.01	6.17	64.77
6 Central Fraser Valley	13.42	15.32	5.90	3.25	2.64	8.68	0.54	6.17	0.54	56.46
7 Central Kootenay	12.05	16.27	6.34	2.75	1.27	13.95	0.21	16.06	0.85	69.74
8 Central Okanagan	14.47	20.00	5.21	3.30	3.19	12.02	0.85	8.19	2.13	69.36
9 Columbia-Shuswap	6.68	10.02	1.03	1.03	0.0	6.17	0.0	18.24	0.51	43.68
10 Comox-Strathcona	11.16	12.13	4.55	2.89	0.83	6.62	0.41	9.79	1.10	49.48
11 Cowichan Valley	12.53	13.65	6.17	2.81	3.55	8.60	0.19	9.91	0.94	58.35
12 Dewdney-Alouette	13.26	16.41	4.46	3.94	2.63	8.40	0.66	6.83	0.66	57.25
13 East Kootenay	6.92	9.77	2.24	2.24	0.41	11.00	0.20	23.01	1.22	57.02
14 Fraser-Cheam	9.69	13.53	4.01	2.17	1.67	7.01	0.0	8.02	1.84	47.93
15 Fraser-Fort George	13.37	19.08	9.37	2.40	4.00	3.54	0.34	6.85	2.17	61.12
17 Kitimat-Stikine	8.71	10.45	5.97	0.25	1.49	0.75	0.75	14.43	1.00	43.80
18 Kootenay Boundary	15.94	20.01	7.12	4.75	3.05	13.23	2.04	15.60	2.04	83.79
19 Mount Waddington	2.78	2.09	0.0	1.39	0.70	0.70	0.0	31.99	0.70	40.34
20 Nanaimo	9.87	11.77	4.04	2.14	1.78	9.63	0.48	8.56	1.90	50.16
21 North Okanagan	11.38	19.20	4.80	3.38	3.38	9.42	0.53	12.62	0.53	65.24
22 Okanagan-Similkameen	11.81	19.19	4.26	2.13	0.98	12.30	0.49	12.30	1.48	64.94
23 Peace River	7.46	8.05	5.10	0.0	1.18	7.26	0.20	9.03	0.79	39.06
24 Powell River	15.50	13.78	9.76	1.72	4.02	12.06	0.57	10.34	0.0	67.75
25 Skeena-Queen Charlotte	10.45	11.32	7.40	0.0	3.92	3.48	0.0	18.72	3.05	58.34
26 Squamish-Lillooet	2.90	4.83	0.48	0.0	0.48	4.35	0.0	26.56	0.48	40.08
27 Stikine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.25	0.0	40.25
28 Sunshine Coast	9.90	11.65	2.91	0.58	0.58	9.32	0.58	16.30	1.75	53.57
29 Thompson-Nicola	15.42	18.79	6.74	3.47	2.35	6.74	1.23	12.36	2.35	69.45
30 Fort Nelson/Liard	1.95	3.90	1.95	1.95	0.0	0.0	1.95	29.26	0.0	40.96
Metropolitan - Subtotal	**17.66**	**24.55**	**6.51**	**3.93**	**4.16**	**11.51**	**1.21**	**7.19**	**2.22**	**78.94**
3 Capital	20.14	25.60	6.81	4.81	3.79	19.96	0.98	7.94	3.06	93.09
16 Greater Vancouver	17.14	24.33	6.45	3.75	4.23	9.75	1.26	7.03	2.04	75.99
TOTAL	**14.64**	**19.81**	**5.84**	**3.20**	**3.20**	**9.86**	**0.88**	**9.27**	**1.79**	**68.48**

[1]Definitions are as in the attached text.
[2]e.g., ICU, OR, ER
[3]e.g., float, small hospital, community health

Prepared by:
Health Manpower Research Unit
The University of British Columbia

... *continued*

Table 7
(Continued)

Practising Registered Nurses[1] Employed in Nursing in British Columbia

Per 10,000 Population by Regional Hospital District by Primary Area of Responsibility

June 1988

Regional Hospital District	Administration				Teaching							
	Nursing Educ.	Nursing Services	Other	Sub-total	Students	Employees	Clients	Other	Sub-total	Research	Unknown	Total
Non-Metropolitan - Subtotal	0.08	2.57	0.85	3.50	1.03	0.26	0.38	0.38	2.05	0.04	1.16	63.14
1 Alberni-Clayoquot	0.0	1.67	0.0	1.67	0.33	0.0	0.0	0.0	0.33	0.0	1.34	50.86
2 Bulkley-Nechako	0.0	2.43	1.35	3.79	0.0	0.0	1.08	0.27	1.35	0.0	1.35	46.25
4 Cariboo	0.0	1.66	0.99	2.65	0.17	0.0	0.0	0.0	0.17	0.0	1.16	46.51
5 Central Coast	0.0	3.08	3.08	6.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70.94
6 Central Fraser Valley	0.0	2.44	0.75	3.19	0.68	0.27	0.41	0.61	1.97	0.20	1.08	62.90
7 Central Kootenay	0.21	2.96	1.27	4.44	1.90	0.63	0.21	0.42	3.17	0.0	1.06	78.41
8 Central Okanagan	0.11	2.55	1.06	3.72	1.91	0.21	0.53	0.53	3.19	0.21	2.02	78.51
9 Columbia-Shuswap	0.0	1.80	1.03	2.83	0.0	0.26	1.28	0.0	1.54	0.0	0.51	48.56
10 Comox-Strathcona	0.0	3.03	0.55	3.58	0.83	0.0	0.28	0.28	1.38	0.0	1.10	55.54
11 Cowichan Valley	0.0	1.87	0.75	2.62	0.56	0.19	0.56	0.37	1.68	0.0	1.87	64.52
12 Dewdney-Alouette	0.26	2.76	0.53	3.55	0.53	0.53	0.66	0.39	2.10	0.0	0.92	63.81
13 East Kootenay	0.0	4.07	1.02	5.09	0.81	0.0	0.41	0.0	1.22	0.0	0.41	63.74
14 Fraser-Cheam	0.0	2.00	0.50	2.50	0.17	0.0	0.50	0.17	0.83	0.0	0.83	52.10
15 Fraser-Fort George	0.23	2.63	0.46	3.31	2.40	0.57	0.57	0.46	4.00	0.0	1.14	69.57
17 Kitimat-Stikine	0.25	1.99	1.74	3.98	0.75	0.25	0.0	0.0	1.00	0.0	0.50	49.28
18 Kootenay Boundary	0.0	1.70	1.70	3.39	2.04	0.0	0.68	0.68	3.39	0.0	1.02	91.59
19 Mount Waddington	0.0	2.78	0.70	3.48	0.0	0.0	0.0	0.70	0.70	0.0	0.0	44.51
20 Nanaimo	0.12	2.50	0.83	3.45	2.38	0.0	0.24	0.83	3.45	0.0	0.95	58.01
21 North Okanagan	0.18	3.02	0.71	3.91	0.36	0.0	0.53	0.71	1.60	0.0	1.24	72.00
22 Okanagan-Similkameen	0.0	2.62	0.49	3.12	0.16	0.82	0.0	0.16	1.15	0.0	1.64	70.84
23 Peace River	0.0	3.34	0.59	3.93	0.79	0.39	0.0	0.59	1.77	0.0	1.18	45.93
24 Powell River	0.57	4.59	1.15	6.32	0.0	0.0	0.0	0.0	0.0	0.0	1.15	75.22
25 Skeena-Queen Charlotte	0.0	3.92	0.44	4.35	0.0	0.44	0.0	1.31	1.74	0.0	3.48	67.92
26 Squamish-Lillooet	0.0	1.45	1.45	2.90	0.0	0.0	0.0	0.0	0.0	0.0	1.45	44.43
27 Stikine	0.0	0.0	0.0	0.0	0.0	0.0	5.75	0.0	5.75	0.0	0.0	46.00
28 Sunshine Coast	0.0	2.91	0.58	3.49	0.58	1.16	0.0	0.0	1.75	0.0	1.75	60.56
29 Thompson-Nicola	0.10	2.76	1.33	4.19	2.76	0.41	0.20	0.20	3.57	0.0	0.82	78.03
30 Fort Nelson/Liard	0.0	0.0	0.0	0.0	0.0	1.95	1.95	0.0	3.90	0.0	0.0	44.86
Metropolitan - Subtotal	0.23	3.33	1.38	4.94	2.13	0.74	0.61	0.49	3.97	0.35	1.90	90.10
3 Capital	0.29	3.53	1.71	5.54	1.75	0.80	0.55	0.47	3.57	0.22	1.82	104.24
16 Greater Vancouver	0.21	3.29	1.31	4.81	2.21	0.73	0.62	0.49	4.05	0.38	1.92	87.15
TOTAL	0.16	2.98	1.13	4.27	1.62	0.52	0.50	0.44	3.08	0.21	1.56	77.60

[1]Definitions are as in the attached text.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 8

Practising Registered Nurses[1] Employed in Nursing in British Columbia

by Regional Hospital District by Employment Position

June 1988

Regional Hospital District	Director	Associate/ Assistant Director	Supervisor/ Assistant Supervisor	Clinical Specialist/ Clinician	Head Nurse/ Assistant Head Nurse	Staff/General Duty Nurse
Non-Metropolitan - Subtotal	**196**	**36**	**284**	**49**	**479**	**6,266**
1 Alberni-Clayoquot	2	1	4	0	7	112
2 Bulkley-Nechako	7	1	4	1	16	112
4 Cariboo	7	1	16	2	12	200
5 Central Coast	4	0	1	0	2	11
6 Central Fraser Valley	20	4	23	9	37	714
7 Central Kootenay	8	1	12	2	27	254
8 Central Okanagan	15	3	19	8	42	524
9 Columbia-Shuswap	8	0	11	1	14	135
10 Comox-Strathcona	6	3	16	0	21	285
11 Cowichan Valley	5	1	12	1	23	251
12 Dewdney-Alouette	10	5	16	1	21	369
13 East Kootenay	9	0	11	1	24	221
14 Fraser-Cheam	4	2	7	1	21	228
15 Fraser-Fort George	7	4	13	10	25	459
17 Kitimat-Stikine	10	0	13	1	14	127
18 Kootenay Boundary	7	0	7	2	19	188
19 Mount Waddington	3	0	1	0	1	51
20 Nanaimo	7	2	20	3	16	337
21 North Okanagan	8	3	7	1	21	306
22 Okanagan-Similkameen	12	0	11	0	19	327
23 Peace River	9	1	15	0	15	158
24 Powell River	2	0	12	0	11	89
25 Skeena-Queen Charlotte	6	1	5	1	13	89
26 Squamish-Lillooet	4	0	2	0	2	66
27 Stikine	0	0	0	0	0	3
28 Sunshine Coast	3	0	8	1	4	66
29 Thompson-Nicola	12	3	18	3	51	565
30 Fort Nelson/Liard	1	0	0	0	1	19
Metropolitan - Subtotal	**266**	**56**	**345**	**150**	**903**	**10,288**
3 Capital	57	7	65	18	238	2,037
16 Greater Vancouver	209	49	280	132	665	8,251
TOTAL	**462**	**92**	**629**	**199**	**1,382**	**16,554**

[1]Definitions are as in the attached text.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

... *continued*

Table 8
(Continued)

Practising Registered Nurses[1] Employed in Nursing in British Columbia

by Regional Hospital District by Employment Position

June 1988

Regional Hospital District	Commun./ Occ. Health/ Home Care Nurse	Instructor/ Professor	Consultant/ Counsellor	Other[2]	Total
Non-Metropolitan - Subtotal	**683**	**168**	**68**	**461**	**8,690**
1 Alberni-Clayoquot	14	0	2	10	152
2 Bulkley-Nechako	17	0	2	11	171
4 Cariboo	30	1	1	11	281
5 Central Coast	2	0	0	3	23
6 Central Fraser Valley	62	13	7	39	928
7 Central Kootenay	32	11	4	20	371
8 Central Okanagan	47	23	6	51	738
9 Columbia-Shuswap	11	1	2	6	189
10 Comox-Strathcona	37	7	5	23	403
11 Cowichan Valley	28	5	3	16	345
12 Dewdney-Alouette	29	7	4	24	486
13 East Kootenay	31	4	3	9	313
14 Fraser-Cheam	20	1	4	24	312
15 Fraser-Fort George	35	25	4	27	609
17 Kitimat-Stikine	19	3	2	9	198
18 Kootenay Boundary	26	7	1	13	270
19 Mount Waddington	5	0	2	1	64
20 Nanaimo	48	20	5	30	488
21 North Okanagan	27	4	2	26	405
22 Okanagan-Similkameen	32	2	1	28	432
23 Peace River	20	5	1	10	234
24 Powell River	9	0	2	6	131
25 Skeena-Queen Charlotte	18	1	3	19	156
26 Squamish-Lillooet	10	0	0	8	92
27 Stikine	2	0	0	3	8
28 Sunshine Coast	12	1	2	7	104
29 Thompson-Nicola	59	27	0	26	764
30 Fort Nelson/Liard	1	0	0	1	23
Metropolitan - Subtotal	**876**	**453**	**164**	**846**	**14,347**
3 Capital	169	50	31	190	2,862
16 Greater Vancouver	707	403	133	656	11,485
TOTAL	**1,559**	**621**	**232**	**1,307**	**23,037**

[1]Definitions are as in the attached text.
[2]Includes 418 Practising Employed Registered Nurses who did not provide this information.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 9

Practising Registered Nurses[1] Employed in Nursing in British Columbia

per 10,000 Population by Regional Hospital District by Employment Position

June 1988

Regional Hospital District	Director	Associate/ Assistant Director	Supervisor/ Assistant Supervisor	Clinical Specialist/ Clinician	Head Nurse/ Assistant Head Nurse	Staff/General Duty Nurse
Non-Metropolitan - Subtotal	**1.42**	**0.26**	**2.06**	**0.36**	**3.48**	**45.53**
1 Alberni-Clayoquot	0.67	0.33	1.34	0.0	2.34	37.47
2 Bulkley-Nechako	1.89	0.27	1.08	0.27	4.33	30.29
4 Cariboo	1.16	0.17	2.65	0.33	1.99	33.10
5 Central Coast	12.34	0.0	3.08	0.0	6.17	33.93
6 Central Fraser Valley	1.36	0.27	1.56	0.61	2.51	48.40
7 Central Kootenay	1.69	0.21	2.54	0.42	5.71	53.68
8 Central Okanagan	1.60	0.32	2.02	0.85	4.47	55.75
9 Columbia-Shuswap	2.06	0.0	2.83	0.26	3.60	34.69
10 Comox-Strathcona	0.83	0.41	2.21	0.0	2.89	39.28
11 Cowichan Valley	0.94	0.19	2.24	0.19	4.30	46.94
12 Dewdney-Alouette	1.31	0.66	2.10	0.13	2.76	48.45
13 East Kootenay	1.83	0.0	2.24	0.20	4.89	45.01
14 Fraser-Cheam	0.67	0.33	1.17	0.17	3.51	38.07
15 Fraser-Fort George	0.80	0.46	1.49	1.14	2.86	52.44
17 Kitimat-Stikine	2.49	0.0	3.24	0.25	3.48	31.61
18 Kootenay Boundary	2.37	0.0	2.37	0.68	6.45	63.77
19 Mount Waddington	2.09	0.0	0.70	0.0	0.70	35.47
20 Nanaimo	0.83	0.24	2.38	0.36	1.90	40.06
21 North Okanagan	1.42	0.53	1.24	0.18	3.73	54.40
22 Okanagan-Similkameen	1.97	0.0	1.80	0.0	3.12	53.62
23 Peace River	1.77	0.20	2.94	0.0	2.94	31.01
24 Powell River	1.15	0.0	6.89	0.0	6.32	51.10
25 Skeena-Queen Charlotte	2.61	0.44	2.18	0.44	5.66	38.75
26 Squamish-Lillooet	1.93	0.0	0.97	0.0	0.97	31.87
27 Stikine	0.0	0.0	0.0	0.0	0.0	17.25
28 Sunshine Coast	1.75	0.0	4.66	0.58	2.33	38.43
29 Thompson-Nicola	1.23	0.31	1.84	0.31	5.21	57.71
30 Fort Nelson/Liard	1.95	0.0	0.0	0.0	1.95	37.06
Metropolitan - Subtotal	**1.67**	**0.35**	**2.17**	**0.94**	**5.67**	**64.61**
3 Capital	2.08	0.25	2.37	0.66	8.67	74.19
16 Greater Vancouver	1.59	0.37	2.12	1.00	5.05	62.61
TOTAL	**1.56**	**0.31**	**2.12**	**0.67**	**4.66**	**55.76**

[1]Definitions are as in the attached text.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

... *continued*

Table 9
(Continued)

Practising Registered Nurses[1] Employed in Nursing in British Columbia

per 10,000 Population by Regional Hospital District by Employment Position

June 1988

Regional Hospital District	Commun./ Occ. Health/ Home Care Nurse	Instructor/ Professor	Consultant/ Counsellor	Other[1]	Total
Non-Metropolitan - Subtotal	**4.96**	**1.22**	**0.49**	**3.35**	**63.14**
1 Alberni-Clayoquot	4.68	0.0	0.67	3.35	50.86
2 Bulkley-Nechako	4.60	0.0	0.54	2.98	46.25
4 Cariboo	4.97	0.17	0.17	1.82	46.51
5 Central Coast	6.17	0.0	0.0	9.25	70.94
6 Central Fraser Valley	4.20	0.88	0.47	2.64	62.90
7 Central Kootenay	6.76	2.32	0.85	4.23	78.41
8 Central Okanagan	5.00	2.45	0.64	5.43	78.51
9 Columbia-Shuswap	2.83	0.26	0.51	1.54	48.56
10 Comox-Strathcona	5.10	0.96	0.69	3.17	55.54
11 Cowichan Valley	5.24	0.94	0.56	2.99	64.52
12 Dewdney-Alouette	3.81	0.92	0.53	3.15	63.81
13 East Kootenay	6.31	0.81	0.61	1.83	63.74
14 Fraser-Cheam	3.34	0.17	0.67	4.01	52.10
15 Fraser-Fort George	4.00	2.86	0.46	3.08	69.57
17 Kitimat-Stikine	4.73	0.75	0.50	2.24	49.28
18 Kootenay Boundary	8.82	2.37	0.34	4.41	91.59
19 Mount Waddington	3.48	0.0	1.39	0.70	44.51
20 Nanaimo	5.71	2.38	0.59	3.57	58.01
21 North Okanagan	4.80	0.71	0.36	4.62	72.00
22 Okanagan-Similkameen	5.25	0.33	0.16	4.59	70.84
23 Peace River	3.93	0.98	0.20	1.96	45.93
24 Powell River	5.17	0.0	1.15	3.45	75.22
25 Skeena-Queen Charlotte	7.84	0.44	1.31	8.27	67.92
26 Squamish-Lillooet	4.83	0.0	0.0	3.86	44.43
27 Stikine	11.50	0.0	0.0	17.25	46.00
28 Sunshine Coast	6.99	0.58	1.16	4.08	60.56
29 Thompson-Nicola	6.03	2.76	0.0	2.66	78.03
30 Fort Nelson/Liard	1.95	0.0	0.0	1.95	44.86
Metropolitan - Subtotal	**5.50**	**2.84**	**1.03**	**5.31**	**90.10**
3 Capital	6.16	1.82	1.13	6.92	104.24
16 Greater Vancouver	5.36	3.06	1.01	4.98	87.15
TOTAL	**5.25**	**2.09**	**0.78**	**4.40**	**77.60**

[1]Definitions are as in the attached text.
[2]Includes 418 Practising Employed Registered Nurses who did not provide this information (see Table 8).

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 10

Analysis of Change in the Number of Practising Registered Nurses[1]

in British Columbia by Regional Hospital District

June 1987 to June 1988

Regional Hospital District	1987[3]	New Registrants[2] by Place of Graduation: B.C.	O.Can.[4]	U.K.	Other	Subtotal	Re-Act[5]	Attr'n[6]	Migr'n[7]	1988[8]
Non-Metropolitan - Subtotal	**8,597**	**245**	**284**	**26**	**30**	**585**	**492**	**693**	**40**	**9,021**
1 Alberni-Clayoquot	161	6	6	0	0	12	15	16	-9	163
2 Bulkley-Nechako	162	9	7	0	0	16	12	11	-1	178
4 Cariboo	282	6	4	1	1	12	13	17	0	290
5 Central Coast	27	0	4	0	0	4	0	5	-3	23
6 Central Fraser Valley	884	17	28	3	1	49	63	68	41	969
7 Central Kootenay	360	11	8	1	2	22	31	35	2	380
8 Central Okanagan	733	30	26	1	5	62	40	68	-1	766
9 Columbia-Shuswap	188	3	4	0	0	7	20	13	-5	197
10 Comox-Strathcona	404	4	14	2	2	22	30	35	13	434
11 Cowichan Valley	331	9	10	0	0	19	20	24	12	358
12 Dewdney-Alouette	462	9	7	3	1	20	19	24	16	493
13 East Kootenay	322	3	9	0	0	12	14	23	-1	324
14 Fraser-Cheam	304	7	7	3	3	20	12	24	8	320
15 Fraser-Fort George	606	42	14	3	2	61	30	53	-15	629
17 Kitimat-Stikine	212	2	13	0	0	15	9	24	-7	205
18 Kootenay Boundary	269	8	4	1	1	14	7	15	5	280
19 Mount Waddington	68	0	0	0	1	1	5	8	1	67
20 Nanaimo	487	6	13	2	2	23	33	46	18	515
21 North Okanagan	417	12	7	0	1	20	13	29	-6	415
22 Okanagan-Similkameen	434	9	11	2	3	25	16	24	-9	442
23 Peace River	248	8	21	1	0	30	13	23	-27	241
24 Powell River	127	1	5	1	1	8	8	11	3	135
25 Skeena-Queen Charlotte	150	4	17	0	1	22	11	19	-2	162
26 Squamish-Lillooet	95	0	1	0	1	2	8	10	1	96
27 Stikine	8	0	0	0	0	0	0	0	0	8
28 Sunshine Coast	105	2	3	0	0	5	13	11	-3	109
29 Thompson-Nicola	751	36	39	1	2	78	36	57	-9	799
30 Fort Nelson/Liard	0	1	2	1	0	4	1	0	18	23
Metropolitan - Subtotal	**14,418**	**469**	**410**	**38**	**92**	**1,009**	**796**	**1,242**	**-40**	**14,941**
3 Capital	2,895	86	101	4	9	200	165	254	4	3,010
16 Greater Vancouver	11,523	383	309	34	83	809	631	988	-44	11,931
TOTAL	**23,015**	**714**	**694**	**64**	**122**	**1,594**	**1,288**	**1,935**	**0**	**23,962**

[1]Definitions are as in the attached text.
[2]Registered Nurses who were practising members in June 1988 and whose date of initial registration was after June 1987.
[3]Number of practising Registered Nurses as at June 1987.
[4]Other Canada.
[5]Registered Nurses who were practising members in June 1988 but not in June 1987 and who were registered for the first time before July 1987.
[6]Registered Nurses who were practising members in June 1987 but not in June 1988.
[7]Net effect of intraprovincial migration.
[8]Number of practising Registered Nurses as at June 1988.

Prepared by: Health Manpower Research Unit, The University of British Columbia

REGISTERED PSYCHIATRIC NURSES

REGISTERED PSYCHIATRIC NURSES

Definition: Registered Psychiatric Nurses

Practice in primary, secondary and tertiary care settings and provide service to individuals whose primary care needs relate to mental and developmental health.

The basis of psychiatric nursing is a caring, therapeutic relationship; the core knowledge and skills of psychiatric nursing are developed from the nursing, psycho-social, biological and physical sciences.

Psychiatric nursing practice includes clinical, administrative, educational, consultative and research functions.[1]

Governing Statute: Nurses (Registered Psychiatric) Act, Revised Statutes of British Columbia, 1979, Chapter 301, administered by the Ministry of Health.

Governing Body: Registered Psychiatric Nurses Association of British Columbia (RPNABC). The designation Registered Psychiatric Nurse (RPN) is conferred by the RPNABC upon those who have met the requirements for registration as stated in the Act.

Date of Record: October 1987 and October 1988.

Source of Data: Registered Psychiatric Nurses Association of British Columbia.

Preparation and Updating:

The tables, derived from the register of the RPNABC, include Registered Psychiatric Nurses who reported a B.C. address at the date of record.

It should be noted that at least 351 Registered Psychiatric Nurses in B.C. hold dual registration with the RPNABC and the Registered Nurses Association of British Columbia (RNABC).

---

[1]Adapted from information provided by the Registered Psychiatric Nurses Association of British Columbia.

See also *Canadian Classification and Dictionary of Occupations 1980*, Major Group 31, No. 3131-138, p.54, Ottawa: Employment and Immigration Canada.

Definition of Terms:

1. **Registration Status**

A Registered Psychiatric Nurse may hold either an *Active* or *Inactive* membership. *Active* members may or may not be employed in nursing. *Inactive* members cannot be employed in nursing.

2. **Place of Employment**

Type of facility was reported by registrants on the annual RPNABC registration renewal form. Tables 4 and 5 show this information for active Registered Psychiatric Nurses employed in nursing. The categories used are:

(a) Psychiatric Hospital
(b) Mental Retardation
(c) Long Term Care
(d) Correctional
(e) Forensic
(f) Adolescent Psychiatry
(g) Child Psychiatry
(h) General Hospital
(i) Alcohol/Drug
(j) Community Mental Health
(k) Boarding Home
(l) Educational Institution
(m) Other and Unknown

3. **Primary Area of Responsibility**

Primary area of responsibility was reported by registrants on the annual RPNABC registration renewal form. Tables 6 and 7 show this information for active Registered Psychiatric Nurses employed in nursing. The categories used are:

(a) Acute Adult Psychiatry
(b) Chronic Adult Psychiatry
(c) Child Psychiatry
(d) Mental Retardation
(e) Psychogeriatric
(f) Geriatric
(g) Corrections
(h) Forensic
(i) Alcohol/Drug
(j) Rehab/Vocational
(k) Education
(l) Counselling
(m) Administration
(n) General Nursing
(o) Other and Unknown

4. Employment Position

Employment position was reported by registrants on the annual RPNABC registration renewal form. Tables 8 and 9 show this information for active Registered Psychiatric Nurses employed in nursing. The categories used are:

(a) Director/Associate/Assistant Director
(b) Supervisor/Coordinator
(c) Assistant/Head Nurse/Team Leader
(d) General/Staff Nurse
(e) Community Worker/Nurse
(f) Instructor
(g) Other and Unknown

Active Registered Psychiatric Nurses per 10,000 Population by Regional Hospital District October 1988 N=1864

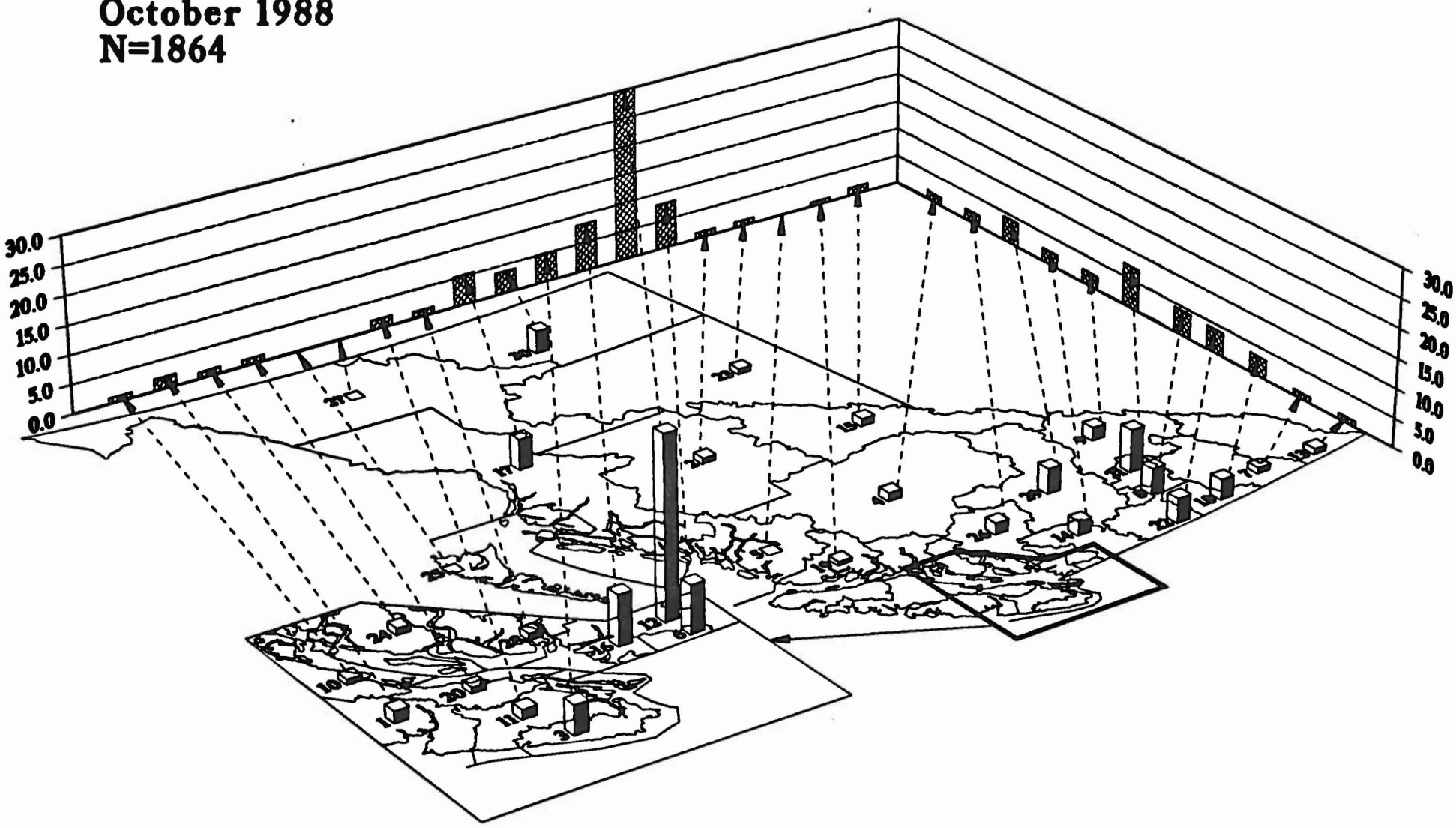


Table 1

Registered Psychiatric Nurses[1] in British Columbia

by Regional Hospital District by Registration and Employment Status

October 1987 and October 1988

Regional Hospital District	Active: Subtotal 1987	Active: Employed as RPN 1988	Active: Employed as RN 1988	Active: Others[2] 1988	Active: Subtotal 1988	Inactive 1987	Inactive 1988	Total 1987	Total 1988
Non-Metropolitan - Subtotal	**649**	**576**	**19**	**36**	**631**	**209**	**231**	**858**	**862**
1 Alberni-Clayoquot	6	5	0	1	6	5	3	11	9
2 Bulkley-Nechako	5	2	1	1	4	9	8	14	12
4 Cariboo	10	9	0	0	9	4	7	14	16
5 Central Coast	0	0	0	0	0	0	0	0	0
6 Central Fraser Valley	119	111	1	6	118	29	31	148	149
7 Central Kootenay	5	5	0	0	5	4	4	9	9
8 Central Okanagan	41	40	0	1	41	4	9	45	50
9 Columbia-Shuswap	11	7	2	0	9	5	9	16	18
10 Comox-Strathcona	6	6	0	1	7	6	7	12	14
11 Cowichan Valley	11	8	1	0	9	2	6	13	15
12 Dewdney-Alouette	250	215	3	10	228	43	62	293	290
13 East Kootenay	5	5	0	0	5	7	7	12	12
14 Fraser-Cheam	12	11	2	1	14	10	8	22	22
15 Fraser-Fort George	12	11	0	1	12	10	9	22	21
17 Kitimat-Stikine	20	20	0	1	21	4	5	24	26
18 Kootenay Boundary	13	10	0	0	10	1	0	14	10
19 Mount Waddington	2	1	0	0	1	1	0	3	1
20 Nanaimo	10	8	0	1	9	5	7	15	16
21 North Okanagan	42	35	2	4	41	6	8	48	49
22 Okanagan-Similkameen	19	21	1	3	25	5	5	24	30
23 Peace River	6	4	1	0	5	4	3	10	8
24 Powell River	2	2	0	0	2	2	1	4	3
25 Skeena-Queen Charlotte	1	0	0	0	0	1	1	2	1
26 Squamish-Lillooet	3	2	0	2	4	1	1	4	5
27 Stikine	0	0	0	0	0	0	0	0	0
28 Sunshine Coast	1	1	1	0	2	2	3	3	5
29 Thompson-Nicola	34	36	3	3	42	38	26	72	68
30 Fort Nelson/Liard	3	1	1	0	2	1	1	4	3
Metropolitan - Subtotal	**1,310**	**1,134**	**47**	**52**	**1,233**	**284**	**344**	**1,594**	**1,577**
3 Capital	135	127	3	5	135	24	25	159	160
16 Greater Vancouver	1,175	1,007	44	47	1,098	260	319	1,435	1,417
TOTAL	**1,959**	**1,710**	**66**	**88**	**1,864**	**493**	**575**	**2,452**	**2,439**

[1]Definitions are as in the attached text.
[2]Includes 7 Registered Psychiatric Nurses employed as LPNs, 7 employed in other than nursing, 14 unemployed and 60 unknown.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 2

Registered Psychiatric Nurses[1] in British Columbia

per 10,000 Population by Regional Hospital District by Registration and Employment Status

October 1987[2] and October 1988

Regional Hospital District	Active: Subtotal 1987	Active: Employed as RPN 1988	Active: Employed as RN 1988	Active: Others[3] 1988	Active: Subtotal 1988	Inactive 1987	Inactive 1988	Total 1987	Total 1988
Non-Metropolitan - Subtotal	**4.72**	**4.18**	**0.14**	**0.26**	**4.58**	**1.52**	**1.68**	**6.23**	**6.26**
1 Alberni-Clayoquot	2.01	1.67	0.0	0.33	2.01	1.67	1.00	3.68	3.01
2 Bulkley-Nechako	1.35	0.54	0.27	0.27	1.08	2.43	2.16	3.79	3.25
4 Cariboo	1.66	1.49	0.0	0.0	1.49	0.66	1.16	2.32	2.65
5 Central Coast	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Central Fraser Valley	8.07	7.52	0.07	0.41	8.00	1.97	2.10	10.03	10.10
7 Central Kootenay	1.06	1.06	0.0	0.0	1.06	0.85	0.85	1.90	1.90
8 Central Okanagan	4.36	4.26	0.0	0.11	4.36	0.43	0.96	4.79	5.32
9 Columbia-Shuswap	2.83	1.80	0.51	0.0	2.31	1.28	2.31	4.11	4.63
10 Comox-Strathcona	0.83	0.83	0.0	0.14	0.96	0.83	0.96	1.65	1.93
11 Cowichan Valley	2.06	1.50	0.19	0.0	1.68	0.37	1.12	2.43	2.81
12 Dewdney-Alouette	32.83	28.23	0.39	1.31	29.94	5.65	8.14	38.47	38.08
13 East Kootenay	1.02	1.02	0.0	0.0	1.02	1.43	1.43	2.44	2.44
14 Fraser-Cheam	2.00	1.84	0.33	0.17	2.34	1.67	1.34	3.67	3.67
15 Fraser-Fort George	1.37	1.26	0.0	0.11	1.37	1.14	1.03	2.51	2.40
17 Kitimat-Stikine	4.98	4.98	0.0	0.25	5.23	1.00	1.24	5.97	6.47
18 Kootenay Boundary	4.41	3.39	0.0	0.0	3.39	0.34	0.0	4.75	3.39
19 Mount Waddington	1.39	0.70	0.0	0.0	0.70	0.70	0.0	2.09	0.70
20 Nanaimo	1.19	0.95	0.0	0.12	1.07	0.59	0.83	1.78	1.90
21 North Okanagan	7.47	6.22	0.36	0.71	7.29	1.07	1.42	8.53	8.71
22 Okanagan-Similkameen	3.12	3.44	0.16	0.49	4.10	0.82	0.82	3.94	4.92
23 Peace River	1.18	0.79	0.20	0.0	0.98	0.79	0.59	1.96	1.57
24 Powell River	1.15	1.15	0.0	0.0	1.15	1.15	0.57	2.30	1.72
25 Skeena-Queen Charlotte	0.44	0.0	0.0	0.0	0.0	0.44	0.44	0.87	0.44
26 Squamish-Lillooet	1.45	0.97	0.0	0.97	1.93	0.48	0.48	1.93	2.41
27 Stikine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 Sunshine Coast	0.58	0.58	0.58	0.0	1.16	1.16	1.75	1.75	2.91
29 Thompson-Nicola	3.47	3.68	0.31	0.31	4.29	3.88	2.66	7.35	6.95
30 Fort Nelson/Liard	5.85	1.95	1.95	0.0	3.90	1.95	1.95	7.80	5.85
Metropolitan - Subtotal	**8.23**	**7.12**	**0.30**	**0.33**	**7.74**	**1.78**	**2.16**	**10.01**	**9.90**
3 Capital	4.92	4.63	0.11	0.18	4.92	0.87	0.91	5.79	5.83
16 Greater Vancouver	8.92	7.64	0.33	0.36	8.33	1.97	2.42	10.89	10.75
TOTAL	**6.60**	**5.76**	**0.22**	**0.30**	**6.28**	**1.66**	**1.94**	**8.26**	**8.22**

[1]Definitions are as in the attached text.
[2]The figures differ from the corresponding figures for 1987 appearing in ROLLCALL 87. See Introduction.
[3]Includes 7 Registered Psychiatric Nurses employed as LPNs, 7 employed in other than nursing, 14 unemployed and 60 unknown.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 3

Average Annual Rate of Change: Registered Psychiatric Nurses[1]

in British Columbia by Regional Hospital District by Registration and Employment Status

October 1987 to October 1988[2]

Regional Hospital District	Active		Inactive		Total	
	Number[3]	Ratio[4]	Number[3]	Ratio[4]	Number[3]	Ratio[4]
Non-Metropolitan - Subtotal	-2.77	-3.56	10.53	9.63	0.47	-0.35
1 Alberni-Clayoquot	*	*	*	*	-18.18	-17.57
2 Bulkley-Nechako	*	*	*	*	-14.29	-14.33
4 Cariboo	-10.00	-9.93	*	*	14.29	14.37
5 Central Coast	*	*	*	*	*	*
6 Central Fraser Valley	-0.84	-4.70	6.90	2.74	0.68	-3.24
7 Central Kootenay	*	*	*	*	*	*
8 Central Okanagan	0.0	-2.35	*	*	11.11	8.50
9 Columbia-Shuswap	-18.18	-17.24	*	*	12.50	13.80
10 Comox-Strathcona	*	*	*	*	16.67	15.40
11 Cowichan Valley	-18.18	-19.10	*	*	15.38	14.09
12 Dewdney-Alouette	-8.80	-12.83	44.19	37.82	-1.02	-5.39
13 East Kootenay	*	*	*	*	0.0	3.17
14 Fraser-Cheam	16.67	14.80	-20.00	-21.28	0.0	-1.60
15 Fraser-Fort George	0.0	0.82	-10.00	-9.26	-4.55	-3.76
17 Kitimat-Stikine	5.00	4.21	*	*	8.33	7.51
18 Kootenay Boundary	-23.08	-22.33	*	*	-28.57	-27.88
19 Mount Waddington	*	*	*	*	*	*
20 Nanaimo	-10.00	-10.29	*	*	6.67	6.32
21 North Okanagan	-2.38	-3.84	*	*	2.08	0.56
22 Okanagan-Similkameen	31.58	29.75	*	*	25.00	23.26
23 Peace River	*	*	*	*	-20.00	-19.52
24 Powell River	*	*	*	*	*	*
25 Skeena-Queen Charlotte	*	*	*	*	*	*
26 Squamish-Lillooet	*	*	*	*	*	*
27 Stikine	*	*	*	*	*	*
28 Sunshine Coast	*	*	*	*	*	*
29 Thompson-Nicola	23.53	23.73	-31.58	-31.47	-5.56	-5.40
30 Fort Nelson/Liard	*	*	*	*	*	*
Metropolitan - Subtotal	-5.88	-7.85	21.13	18.59	-1.07	-3.14
3 Capital	0.0	-1.73	4.17	2.36	0.63	-1.12
16 Greater Vancouver	-6.55	-8.58	22.69	20.03	-1.25	-3.40
TOTAL	-4.85	-6.30	16.63	14.86	-0.53	-2.04

[1]Definitions are as in the attached text.
[2]Rate of change (in percent) in the number.
[3]Rate of change (in percent) in the number per 10,000 population.
*Indicates that the base for the rate of change was less than 10.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 4

Active Registered Psychiatric Nurses[1] in British Columbia

by Regional Hospital District by Place of Employment

October 1988

Regional Hospital District	Psychiatric Hospital	Mental Retardation	Long Term Care	Correctional	Forensic	Adolescent Psychiatry	Child Psychiatry
Non-Metropolitan - Subtotal	**184**	**49**	**75**	**17**	**32**	**7**	**1**
1 Alberni-Clayoquot	0	0	0	0	0	0	0
2 Bulkley-Nechako	0	1	0	0	0	0	0
4 Cariboo	1	0	4	0	0	0	0
5 Central Coast	0	0	0	0	0	0	0
6 Central Fraser Valley	46	14	5	10	8	1	0
7 Central Kootenay	0	0	2	0	0	0	0
8 Central Okanagan	1	0	12	0	0	0	0
9 Columbia-Shuswap	0	0	2	0	0	0	0
10 Comox-Strathcona	0	0	0	0	0	0	0
11 Cowichan Valley	0	1	1	1	0	0	0
12 Dewdney-Alouette	130	16	9	6	24	6	1
13 East Kootenay	1	0	0	0	0	0	0
14 Fraser-Cheam	3	0	0	0	0	0	0
15 Fraser-Fort George	0	0	0	0	0	0	0
17 Kitimat-Stikine	0	0	5	0	0	0	0
18 Kootenay Boundary	0	0	4	0	0	0	0
19 Mount Waddington	0	0	0	0	0	0	0
20 Nanaimo	0	0	1	0	0	0	0
21 North Okanagan	0	6	11	0	0	0	0
22 Okanagan-Similkameen	0	1	10	0	0	0	0
23 Peace River	0	0	0	0	0	0	0
24 Powell River	0	1	0	0	0	0	0
25 Skeena-Queen Charlotte	0	0	0	0	0	0	0
26 Squamish-Lillooet	1	0	1	0	0	0	0
27 Stikine	0	0	0	0	0	0	0
28 Sunshine Coast	0	0	1	0	0	0	0
29 Thompson-Nicola	1	9	7	0	0	0	0
30 Fort Nelson/Liard	0	0	0	0	0	0	0
Metropolitan - Subtotal	**379**	**270**	**88**	**18**	**56**	**29**	**1**
3 Capital	11	60	26	2	1	1	0
16 Greater Vancouver	368	210	62	16	55	28	1
TOTAL	**563**	**319**	**163**	**35**	**88**	**36**	**2**

[1]Definitions are as in the attached text.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

... *continued*

Table 4
(Continued)

Active Registered Psychiatric Nurses[1] in British Columbia

by Regional Hospital District by Place of Employment

October 1988

Regional Hospital District	General Hospital[2]	Alcohol/ Drug	Community Mental Health	Boarding Home	Educational Institution	Other[3]	Total
Non-Metropolitan - Subtotal	121	7	28	39	2	69	631
1 Alberni-Clayoquot	4	0	1	0	0	1	6
2 Bulkley-Nechako	2	0	1	0	0	0	4
4 Cariboo	1	0	1	1	0	1	9
5 Central Coast	0	0	0	0	0	0	0
6 Central Fraser Valley	8	1	5	10	1	9	118
7 Central Kootenay	3	0	0	0	0	0	5
8 Central Okanagan	17	0	3	5	0	3	41
9 Columbia-Shuswap	1	0	0	3	0	3	9
10 Comox-Strathcona	6	0	1	0	0	0	7
11 Cowichan Valley	5	0	0	0	1	0	9
12 Dewdney-Alouette	7	1	4	6	0	18	228
13 East Kootenay	4	0	0	0	0	0	5
14 Fraser-Cheam	9	0	0	0	0	2	14
15 Fraser-Fort George	8	0	2	0	0	2	12
17 Kitimat-Stikine	8	0	3	1	0	4	21
18 Kootenay Boundary	6	0	0	0	0	0	10
19 Mount Waddington	0	1	0	0	0	0	1
20 Nanaimo	5	2	0	0	0	1	9
21 North Okanagan	9	1	2	3	0	9	41
22 Okanagan-Similkameen	4	0	1	3	0	6	25
23 Peace River	1	0	2	0	0	2	5
24 Powell River	1	0	0	0	0	0	2
25 Skeena-Queen Charlotte	0	0	0	0	0	0	0
26 Squamish-Lillooet	1	0	1	0	0	0	4
27 Stikine	0	0	0	0	0	0	0
28 Sunshine Coast	1	0	0	0	0	0	2
29 Thompson-Nicola	9	1	1	7	0	7	42
30 Fort Nelson/Liard	1	0	0	0	0	1	2
Metropolitan - Subtotal	140	28	74	30	7	113	1,233
3 Capital	16	4	2	3	0	9	135
16 Greater Vancouver	124	24	72	27	7	104	1,098
TOTAL	261	35	102	69	9	182	1,864

[1]Definitions are as in the attached text.
[2]Includes 171 Active Registered Psychiatric Nurses employed in psychiatric units of general hospitals.
[3]Includes 118 Active Registered Psychiatric Nurses who did not provide this information.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 5

Active Registered Psychiatric Nurses[1] in British Columbia

per 10,000 Population by Regional Hospital District by Place of Employment

October 1988

Regional Hospital District	Psychiatric Hospital	Mental Retardation	Long Term Care	Correctional	Forensic	Adolescent Psychiatry	Child Psychiatry
Non-Metropolitan - Subtotal	**1.34**	**0.36**	**0.54**	**0.12**	**0.23**	**0.05**	**0.01**
1 Alberni-Clayoquot	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 Bulkley-Nechako	0.0	0.27	0.0	0.0	0.0	0.0	0.0
4 Cariboo	0.17	0.0	0.66	0.0	0.0	0.0	0.0
5 Central Coast	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Central Fraser Valley	3.12	0.95	0.34	0.68	0.54	0.07	0.0
7 Central Kootenay	0.0	0.0	0.42	0.0	0.0	0.0	0.0
8 Central Okanagan	0.11	0.0	1.28	0.0	0.0	0.0	0.0
9 Columbia-Shuswap	0.0	0.0	0.51	0.0	0.0	0.0	0.0
10 Comox-Strathcona	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11 Cowichan Valley	0.0	0.19	0.19	0.19	0.0	0.0	0.0
12 Dewdney-Alouette	17.07	2.10	1.18	0.79	3.15	0.79	0.13
13 East Kootenay	0.20	0.0	0.0	0.0	0.0	0.0	0.0
14 Fraser-Cheam	0.50	0.0	0.0	0.0	0.0	0.0	0.0
15 Fraser-Fort George	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Kitimat-Stikine	0.0	0.0	1.24	0.0	0.0	0.0	0.0
18 Kootenay Boundary	0.0	0.0	1.36	0.0	0.0	0.0	0.0
19 Mount Waddington	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Nanaimo	0.0	0.0	0.12	0.0	0.0	0.0	0.0
21 North Okanagan	0.0	1.07	1.96	0.0	0.0	0.0	0.0
22 Okanagan-Similkameen	0.0	0.16	1.64	0.0	0.0	0.0	0.0
23 Peace River	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Powell River	0.0	0.57	0.0	0.0	0.0	0.0	0.0
25 Skeena-Queen Charlotte	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26 Squamish-Lillooet	0.48	0.0	0.48	0.0	0.0	0.0	0.0
27 Stikine	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 Sunshine Coast	0.0	0.0	0.58	0.0	0.0	0.0	0.0
29 Thompson-Nicola	0.10	0.92	0.71	0.0	0.0	0.0	0.0
30 Fort Nelson/Liard	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Metropolitan - Subtotal	**2.38**	**1.70**	**0.55**	**0.11**	**0.35**	**0.18**	**0.01**
3 Capital	0.40	2.19	0.95	0.07	0.04	0.04	0.0
16 Greater Vancouver	2.79	1.59	0.47	0.12	0.42	0.21	0.01
TOTAL	**1.90**	**1.07**	**0.55**	**0.12**	**0.30**	**0.12**	**0.01**

[1]Definitions are as in the attached text.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

... *continued*

Table 5
(Continued)

Active Registered Psychiatric Nurses[1] in British Columbia

per 10,000 Population by Regional Hospital District by Place of Employment

October 1988

Regional Hospital District	General Hospital[2]	Alcohol/ Drug	Community Mental Health	Boarding Home	Educational Institution	Other[3]	Total
Non-Metropolitan - Subtotal	**0.88**	**0.05**	**0.20**	**0.28**	**0.01**	**0.50**	**4.58**
1 Alberni-Clayoquot	1.34	0.0	0.33	0.0	0.0	0.33	2.01
2 Bulkley-Nechako	0.54	0.0	0.27	0.0	0.0	0.0	1.08
4 Cariboo	0.17	0.0	0.17	0.17	0.0	0.17	1.49
5 Central Coast	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Central Fraser Valley	0.54	0.07	0.34	0.68	0.07	0.61	8.00
7 Central Kootenay	0.63	0.0	0.0	0.0	0.0	0.0	1.06
8 Central Okanagan	1.81	0.0	0.32	0.53	0.0	0.32	4.36
9 Columbia-Shuswap	0.26	0.0	0.0	0.77	0.0	0.77	2.31
10 Comox-Strathcona	0.83	0.0	0.14	0.0	0.0	0.0	0.96
11 Cowichan Valley	0.94	0.0	0.0	0.0	0.19	0.0	1.68
12 Dewdney-Alouette	0.92	0.13	0.53	0.79	0.0	2.36	29.94
13 East Kootenay	0.81	0.0	0.0	0.0	0.0	0.0	1.02
14 Fraser-Cheam	1.50	0.0	0.0	0.0	0.0	0.33	2.34
15 Fraser-Fort George	0.91	0.0	0.23	0.0	0.0	0.23	1.37
17 Kitimat-Stikine	1.99	0.0	0.75	0.25	0.0	1.00	5.23
18 Kootenay Boundary	2.04	0.0	0.0	0.0	0.0	0.0	3.39
19 Mount Waddington	0.0	0.70	0.0	0.0	0.0	0.0	0.70
20 Nanaimo	0.59	0.24	0.0	0.0	0.0	0.12	1.07
21 North Okanagan	1.60	0.18	0.36	0.53	0.0	1.60	7.29
22 Okanagan-Similkameen	0.66	0.0	0.16	0.49	0.0	0.98	4.10
23 Peace River	0.20	0.0	0.39	0.0	0.0	0.39	0.98
24 Powell River	0.57	0.0	0.0	0.0	0.0	0.0	1.15
25 Skeena-Queen Charlotte	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26 Squamish-Lillooet	0.48	0.0	0.48	0.0	0.0	0.0	1.93
27 Stikine	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 Sunshine Coast	0.58	0.0	0.0	0.0	0.0	0.0	1.16
29 Thompson-Nicola	0.92	0.10	0.10	0.71	0.0	0.71	4.29
30 Fort Nelson/Liard	1.95	0.0	0.0	0.0	0.0	1.95	3.90
Metropolitan - Subtotal	**0.88**	**0.18**	**0.46**	**0.19**	**0.04**	**0.71**	**7.74**
3 Capital	0.58	0.15	0.07	0.11	0.0	0.33	4.92
16 Greater Vancouver	0.94	0.18	0.55	0.20	0.05	0.79	8.33
TOTAL	**0.88**	**0.12**	**0.34**	**0.23**	**0.03**	**0.61**	**6.28**

[1]Definitions are as in the attached text.
[2]Includes 171 Active Registered Psychiatric Nurses employed in psychiatric units of general hospitals.
[3]Includes 118 Active Registered Psychiatric Nurses who did not provide this information.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 6

Active Registered Psychiatric Nurses[1] in British Columbia

by Regional Hospital District by Primary Area of Responsibility

October 1988

Regional Hospital District	Acute Adult Psychiatry	Chronic Adult Psychiatry	Child Psychiatry	Mental Retardation	Psycho-geriatric	Geriatric	Corrections	Forensic
Non-Metropolitan - Subtotal	142	103	6	55	84	42	24	23
1 Alberni-Clayoquot	2	0	0	0	0	0	0	0
2 Bulkley-Nechako	1	0	0	1	0	0	0	0
4 Cariboo	1	0	0	3	0	3	0	0
5 Central Coast	0	0	0	0	0	0	0	0
6 Central Fraser Valley	20	26	2	13	13	4	10	6
7 Central Kootenay	3	0	0	1	0	1	0	0
8 Central Okanagan	17	5	0	0	8	4	0	0
9 Columbia-Shuswap	0	1	0	2	1	1	0	0
10 Comox-Strathcona	5	0	0	0	0	0	0	0
11 Cowichan Valley	4	0	0	1	0	0	1	0
12 Dewdney-Alouette	35	55	4	12	46	8	9	17
13 East Kootenay	4	0	0	0	0	0	0	0
14 Fraser-Cheam	7	0	0	0	0	0	3	0
15 Fraser-Fort George	7	1	0	0	0	0	0	0
17 Kitimat-Stikine	8	3	0	0	2	2	0	0
18 Kootenay Boundary	6	0	0	0	2	2	0	0
19 Mount Waddington	0	0	0	0	0	0	0	0
20 Nanaimo	5	1	0	0	0	1	0	0
21 North Okanagan	6	2	0	7	10	5	0	0
22 Okanagan-Similkameen	5	2	0	4	0	6	0	0
23 Peace River	1	2	0	0	0	0	0	0
24 Powell River	1	0	0	1	0	0	0	0
25 Skeena-Queen Charlotte	0	0	0	0	0	0	0	0
26 Squamish-Lillooet	0	2	0	0	0	1	0	0
27 Stikine	0	0	0	0	0	0	0	0
28 Sunshine Coast	0	0	0	0	0	1	0	0
29 Thompson-Nicola	4	3	0	10	2	3	1	0
30 Fort Nelson/Liard	0	0	0	0	0	0	0	0
Metropolitan - Subtotal	216	167	7	241	127	106	20	61
3 Capital	23	5	0	54	4	22	2	0
16 Greater Vancouver	193	162	7	187	123	84	18	61
TOTAL	358	270	13	296	211	148	44	84

[1]Definitions are as in the attached text.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

... *continued*

Table 6
(Continued)

Active Registered Psychiatric Nurses[1] in British Columbia

by Regional Hospital District by Primary Area of Responsibility

October 1988

Regional Hospital District	Alcohol/ Drug	Rehab/ Vocational	Education	Counselling	Admini- stration	General Nursing	Other[2]	Total
Non-Metropolitan - Subtotal	6	5	5	9	20	31	76	631
1 Alberni-Clayoquot	0	1	0	1	0	1	1	6
2 Bulkley-Nechako	0	0	0	0	0	1	1	4
4 Cariboo	0	0	0	0	0	2	0	9
5 Central Coast	0	0	0	0	0	0	0	0
6 Central Fraser Valley	1	2	1	1	2	3	14	118
7 Central Kootenay	0	0	0	0	0	0	0	5
8 Central Okanagan	0	0	0	1	0	1	5	41
9 Columbia-Shuswap	0	0	0	1	2	1	0	9
10 Comox-Strathcona	0	0	0	0	0	2	0	7
11 Cowichan Valley	0	0	0	0	0	0	3	9
12 Dewdney-Alouette	1	2	3	1	6	8	21	228
13 East Kootenay	0	0	0	0	0	0	1	5
14 Fraser-Cheam	0	0	0	0	0	2	2	14
15 Fraser-Fort George	0	0	0	2	0	0	2	12
17 Kitimat-Stikine	0	0	0	1	1	0	4	21
18 Kootenay Boundary	0	0	0	0	0	0	0	10
19 Mount Waddington	1	0	0	0	0	0	0	1
20 Nanaimo	1	0	0	0	1	0	0	9
21 North Okanagan	1	0	1	1	3	0	5	41
22 Okanagan-Similkameen	0	0	0	0	2	2	4	25
23 Peace River	0	0	0	0	0	0	2	5
24 Powell River	0	0	0	0	0	0	0	2
25 Skeena-Queen Charlotte	0	0	0	0	0	0	0	0
26 Squamish-Lillooet	0	0	0	0	0	1	0	4
27 Stikine	0	0	0	0	0	0	0	0
28 Sunshine Coast	0	0	0	0	0	1	0	2
29 Thompson-Nicola	1	0	0	0	3	5	10	42
30 Fort Nelson/Liard	0	0	0	0	0	1	1	2
Metropolitan - Subtotal	24	5	9	21	29	45	155	1,233
3 Capital	3	1	0	1	6	2	12	135
16 Greater Vancouver	21	4	9	20	23	43	143	1,098
TOTAL	30	10	14	30	49	76	231	1,864

[1]Definitions are as in the attached text.
[2]Includes 170 Active Registered Psychiatric Nurses who did not provide this information.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 7

Active Registered Psychiatric Nurses[1] in British Columbia

per 10,000 Population by Regional Hospital District by Primary Area of Responsibility

October 1988

Regional Hospital District	Acute Adult Psychiatry	Chronic Adult Psychiatry	Child Psychiatry	Mental Retardation	Psycho-geriatric	Geriatric	Corrections	Forensic
Non-Metropolitan - Subtotal	1.03	0.75	0.04	0.40	0.61	0.31	0.17	0.17
1 Alberni-Clayoquot	0.67	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 Bulkley-Nechako	0.27	0.0	0.0	0.27	0.0	0.0	0.0	0.0
4 Cariboo	0.17	0.0	0.0	0.50	0.0	0.50	0.0	0.0
5 Central Coast	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Central Fraser Valley	1.36	1.76	0.14	0.88	0.88	0.27	0.68	0.41
7 Central Kootenay	0.63	0.0	0.0	0.21	0.0	0.21	0.0	0.0
8 Central Okanagan	1.81	0.53	0.0	0.0	0.85	0.43	0.0	0.0
9 Columbia-Shuswap	0.0	0.26	0.0	0.51	0.26	0.26	0.0	0.0
10 Comox-Strathcona	0.69	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11 Cowichan Valley	0.75	0.0	0.0	0.19	0.0	0.0	0.19	0.0
12 Dewdney-Alouette	4.60	7.22	0.53	1.58	6.04	1.05	1.18	2.23
13 East Kootenay	0.81	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14 Fraser-Cheam	1.17	0.0	0.0	0.0	0.0	0.0	0.50	0.0
15 Fraser-Fort George	0.80	0.11	0.0	0.0	0.0	0.0	0.0	0.0
17 Kitimat-Stikine	1.99	0.75	0.0	0.0	0.50	0.50	0.0	0.0
18 Kootenay Boundary	2.04	0.0	0.0	0.0	0.68	0.68	0.0	0.0
19 Mount Waddington	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Nanaimo	0.59	0.12	0.0	0.0	0.0	0.12	0.0	0.0
21 North Okanagan	1.07	0.36	0.0	1.24	1.78	0.89	0.0	0.0
22 Okanagan-Similkameen	0.82	0.33	0.0	0.66	0.0	0.98	0.0	0.0
23 Peace River	0.20	0.39	0.0	0.0	0.0	0.0	0.0	0.0
24 Powell River	0.57	0.0	0.0	0.57	0.0	0.0	0.0	0.0
25 Skeena-Queen Charlotte	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26 Squamish-Lillooet	0.0	0.97	0.0	0.0	0.0	0.48	0.0	0.0
27 Stikine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 Sunshine Coast	0.0	0.0	0.0	0.0	0.0	0.58	0.0	0.0
29 Thompson-Nicola	0.41	0.31	0.0	1.02	0.20	0.31	0.10	0.0
30 Fort Nelson/Liard	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Metropolitan - Subtotal	1.36	1.05	0.04	1.51	0.80	0.67	0.13	0.38
3 Capital	0.84	0.18	0.0	1.97	0.15	0.80	0.07	0.0
16 Greater Vancouver	1.46	1.23	0.05	1.42	0.93	0.64	0.14	0.46
TOTAL	1.21	0.91	0.04	1.00	0.71	0.50	0.15	0.28

[1]Definitions are as in the attached text.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

... *continued*

Table 7
(Continued)

Active Registered Psychiatric Nurses[1] in British Columbia

per 10,000 Population by Regional Hospital District by Primary Area of Responsibility

October 1988

Regional Hospital District	Alcohol/ Drug	Rehab/ Vocational	Education	Counselling	Admini-stration	General Nursing	Other[2]	Total
Non-Metropolitan - Subtotal	0.04	0.04	0.04	0.07	0.15	0.23	0.55	4.58
1 Alberni-Clayoquot	0.0	0.33	0.0	0.33	0.0	0.33	0.33	2.01
2 Bulkley-Nechako	0.0	0.0	0.0	0.0	0.0	0.27	0.27	1.08
4 Cariboo	0.0	0.0	0.0	0.0	0.0	0.33	0.0	1.49
5 Central Coast	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Central Fraser Valley	0.07	0.14	0.07	0.07	0.14	0.20	0.95	8.00
7 Central Kootenay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.06
8 Central Okanagan	0.0	0.0	0.0	0.11	0.0	0.11	0.53	4.36
9 Columbia-Shuswap	0.0	0.0	0.0	0.26	0.51	0.26	0.0	2.31
10 Comox-Strathcona	0.0	0.0	0.0	0.0	0.0	0.28	0.0	0.96
11 Cowichan Valley	0.0	0.0	0.0	0.0	0.0	0.0	0.56	1.68
12 Dewdney-Alouette	0.13	0.26	0.39	0.13	0.79	1.05	2.76	29.94
13 East Kootenay	0.0	0.0	0.0	0.0	0.0	0.0	0.20	1.02
14 Fraser-Cheam	0.0	0.0	0.0	0.0	0.0	0.33	0.33	2.34
15 Fraser-Fort George	0.0	0.0	0.0	0.23	0.0	0.0	0.23	1.37
17 Kitimat-Stikine	0.0	0.0	0.0	0.25	0.25	0.0	1.00	5.23
18 Kootenay Boundary	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.39
19 Mount Waddington	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.70
20 Nanaimo	0.12	0.0	0.0	0.0	0.12	0.0	0.0	1.07
21 North Okanagan	0.18	0.0	0.18	0.18	0.53	0.0	0.89	7.29
22 Okanagan-Similkameen	0.0	0.0	0.0	0.0	0.33	0.33	0.66	4.10
23 Peace River	0.0	0.0	0.0	0.0	0.0	0.0	0.39	0.98
24 Powell River	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.15
25 Skeena-Queen Charlotte	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26 Squamish-Lillooet	0.0	0.0	0.0	0.0	0.0	0.48	0.0	1.93
27 Stikine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 Sunshine Coast	0.0	0.0	0.0	0.0	0.0	0.58	0.0	1.16
29 Thompson-Nicola	0.10	0.0	0.0	0.0	0.31	0.51	1.02	4.29
30 Fort Nelson/Liard	0.0	0.0	0.0	0.0	0.0	1.95	1.95	3.90
Metropolitan - Subtotal	0.15	0.03	0.06	0.13	0.18	0.28	0.97	7.74
3 Capital	0.11	0.04	0.0	0.04	0.22	0.07	0.44	4.92
16 Greater Vancouver	0.16	0.03	0.07	0.15	0.17	0.33	1.09	8.33
TOTAL	0.10	0.03	0.05	0.10	0.17	0.26	0.78	6.28

[1]Definitions are as in the attached text.
[2]Includes 170 Active Registered Psychiatric Nurses who did not provide this information (see Table 6).

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 8

Active Registered Psychiatric Nurses[1] in British Columbia

by Regional Hospital District by Employment Position

October 1988

Regional Hospital District	Director/ Associate/ Assistant Director[2]	Supervisor/ Coordinator	Assistant/ Head Nurse/ Team Leader[3]	General/ Staff Nurse	Community Worker/ Nurse	Instructor[4]	Other[5]	Total
Non-Metropolitan - Subtotal	34	22	77	379	28	3	88	631
1 Alberni-Clayoquot	0	0	0	3	1	0	2	6
2 Bulkley-Nechako	0	0	0	2	1	0	1	4
4 Cariboo	0	1	0	5	1	0	2	9
5 Central Coast	0	0	0	0	0	0	0	0
6 Central Fraser Valley	4	5	14	81	3	0	11	118
7 Central Kootenay	1	0	0	4	0	0	0	5
8 Central Okanagan	4	1	5	26	1	0	4	41
9 Columbia-Shuswap	0	1	2	3	0	0	3	9
10 Comox-Strathcona	0	0	1	4	1	0	1	7
11 Cowichan Valley	0	0	2	6	0	1	0	9
12 Dewdney-Alouette	5	8	38	148	5	2	22	228
13 East Kootenay	0	0	0	4	0	0	1	5
14 Fraser-Cheam	0	0	2	10	0	0	2	14
15 Fraser-Fort George	0	0	0	8	2	0	2	12
17 Kitimat-Stikine	1	0	2	11	3	0	4	21
18 Kootenay Boundary	1	0	3	6	0	0	0	10
19 Mount Waddington	1	0	0	0	0	0	0	1
20 Nanaimo	1	0	0	6	1	0	1	9
21 North Okanagan	5	1	1	20	5	0	9	41
22 Okanagan-Similkameen	5	2	2	10	1	0	5	25
23 Peace River	1	0	1	0	1	0	2	5
24 Powell River	0	0	0	2	0	0	0	2
25 Skeena-Queen Charlotte	0	0	0	0	0	0	0	0
26 Squamish-Lillooet	0	0	0	3	0	0	1	4
27 Stikine	0	0	0	0	0	0	0	0
28 Sunshine Coast	0	0	1	1	0	0	0	2
29 Thompson-Nicola	5	3	3	15	2	0	14	42
30 Fort Nelson/Liard	0	0	0	1	0	0	1	2
Metropolitan - Subtotal	23	40	155	794	72	12	137	1,233
3 Capital	3	9	19	86	1	1	16	135
16 Greater Vancouver	20	31	136	708	71	11	121	1,098
TOTAL	57	62	232	1,173	100	15	225	1,864

[1]Definitions are as in the attached text.
[2]Includes 46 Directors, 3 Associate Directors and 8 Assistant Directors.
[3]Includes 4 Clinical Specialist positions.
[4]Includes 5 Inservice/Staff Development positions.
[5]Includes 153 Active Registered Psychiatric Nurses who did not provide this information.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 9

Active Registered Psychiatric Nurses[1] in British Columbia

per 10,000 Population by Regional Hospital District by Employment Position

October 1988

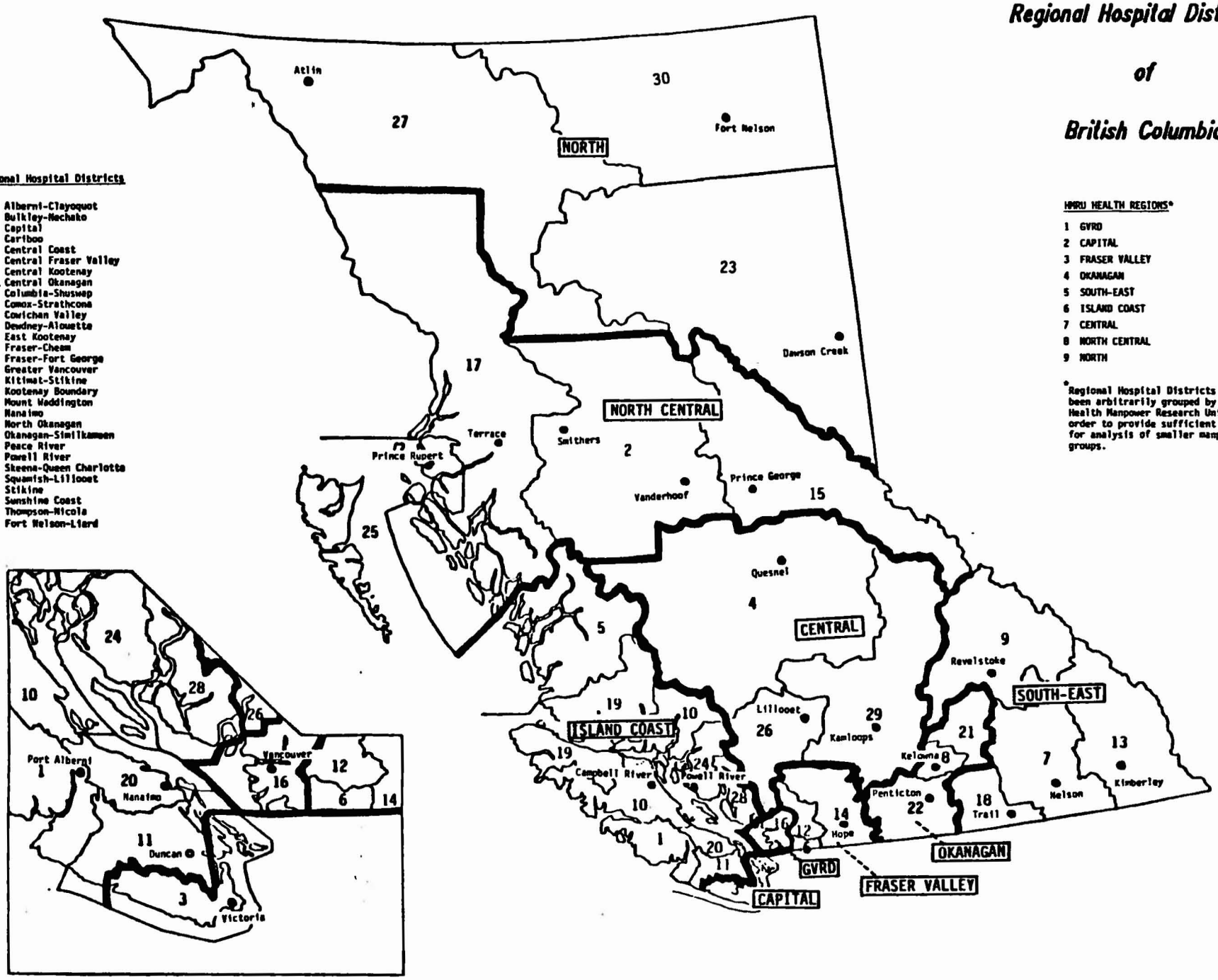
Regional Hospital District	Director/ Associate/ Assistant Director[2]	Supervisor/ Coordinator	Assistant/ Head Nurse/ Team Leader[3]	General/ Staff Nurse	Community Worker/ Nurse	Instructor[4]	Other[5]	Total
Non-Metropolitan - Subtotal	**0.25**	**0.16**	**0.56**	**2.75**	**0.20**	**0.02**	**0.64**	**4.58**
1 Alberni-Clayoquot	0.0	0.0	0.0	1.00	0.33	0.0	0.67	2.01
2 Bulkley-Nechako	0.0	0.0	0.0	0.54	0.27	0.0	0.27	1.08
4 Cariboo	0.0	0.17	0.0	0.83	0.17	0.0	0.33	1.49
5 Central Coast	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Central Fraser Valley	0.27	0.34	0.95	5.49	0.20	0.0	0.75	8.00
7 Central Kootenay	0.21	0.0	0.0	0.85	0.0	0.0	0.0	1.06
8 Central Okanagan	0.43	0.11	0.53	2.77	0.11	0.0	0.43	4.36
9 Columbia-Shuswap	0.0	0.26	0.51	0.77	0.0	0.0	0.77	2.31
10 Comox-Strathcona	0.0	0.0	0.14	0.55	0.14	0.0	0.14	0.96
11 Cowichan Valley	0.0	0.0	0.37	1.12	0.0	0.19	0.0	1.68
12 Dewdney-Alouette	0.66	1.05	4.99	19.43	0.66	0.26	2.89	29.94
13 East Kootenay	0.0	0.0	0.0	0.81	0.0	0.0	0.20	1.02
14 Fraser-Cheam	0.0	0.0	0.33	1.67	0.0	0.0	0.33	2.34
15 Fraser-Fort George	0.0	0.0	0.0	0.91	0.23	0.0	0.23	1.37
17 Kitimat-Stikine	0.25	0.0	0.50	2.74	0.75	0.0	1.00	5.23
18 Kootenay Boundary	0.34	0.0	1.02	2.04	0.0	0.0	0.0	3.39
19 Mount Waddington	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.70
20 Nanaimo	0.12	0.0	0.0	0.71	0.12	0.0	0.12	1.07
21 North Okanagan	0.89	0.18	0.18	3.56	0.89	0.0	1.60	7.29
22 Okanagan-Similkameen	0.82	0.33	0.33	1.64	0.16	0.0	0.82	4.10
23 Peace River	0.20	0.0	0.20	0.0	0.20	0.0	0.39	0.98
24 Powell River	0.0	0.0	0.0	1.15	0.0	0.0	0.0	1.15
25 Skeena-Queen Charlotte	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26 Squamish-Lillooet	0.0	0.0	0.0	1.45	0.0	0.0	0.48	1.93
27 Stikine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 Sunshine Coast	0.0	0.0	0.58	0.58	0.0	0.0	0.0	1.16
29 Thompson-Nicola	0.51	0.31	0.31	1.53	0.20	0.0	1.43	4.29
30 Fort Nelson/Liard	0.0	0.0	0.0	1.95	0.0	0.0	1.95	3.90
Metropolitan - Subtotal	**0.14**	**0.25**	**0.97**	**4.99**	**0.45**	**0.08**	**0.86**	**7.74**
3 Capital	0.11	0.33	0.69	3.13	0.04	0.04	0.58	4.92
16 Greater Vancouver	0.15	0.24	1.03	5.37	0.54	0.08	0.92	8.33
TOTAL	**0.19**	**0.21**	**0.78**	**3.95**	**0.34**	**0.05**	**0.76**	**6.28**

[1]Definitions are as in the attached text.
[2]Includes 46 Directors, 3 Associate Directors and 8 Assistant Directors.
[3]Includes 4 Clinical Specialist positions.
[4]Includes 5 Inservice/Staff Development positions.
[5]Includes 153 Active Registered Psychiatric Nurses who did not provide this information.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

APPENDIX A
REGIONAL HOSPITAL DISTRICTS OF BRITISH COLUMBIA

Regional Hospital Districts of British Columbia



Regional Hospital Districts

1 Alberni-Clayoquot
2 Bulkley-Nechako
3 Capital
4 Cariboo
5 Central Coast
6 Central Fraser Valley
7 Central Kootenay
8 Central Okanagan
9 Columbia-Shuswap
10 Comox-Strathcona
11 Cowichan Valley
12 Dewdney-Alouette
13 East Kootenay
14 Fraser-Cheam
15 Fraser-Fort George
16 Greater Vancouver
17 Kitimat-Stikine
18 Kootenay Boundary
19 Mount Waddington
20 Nanaimo
21 North Okanagan
22 Okanagan-Similkameen
23 Peace River
24 Powell River
25 Skeena-Queen Charlotte
26 Squamish-Lillooet
27 Stikine
28 Sunshine Coast
29 Thompson-Nicola
30 Fort Nelson-Liard

HMRU HEALTH REGIONS*

1 GVRD
2 CAPITAL
3 FRASER VALLEY
4 OKANAGAN
5 SOUTH-EAST
6 ISLAND COAST
7 CENTRAL
8 NORTH CENTRAL
9 NORTH

*Regional Hospital Districts have been arbitrarily grouped by the Health Manpower Research Unit in order to provide sufficient base for analysis of smaller manpower groups.

APPENDIX B
POPULATION OF BRITISH COLUMBIA
BY REGIONAL HOSPITAL DISTRICT, 1987 AND 1988

Table 1

Population Estimates[1] for British Columbia

by Regional Hospital District

1987 and 1988

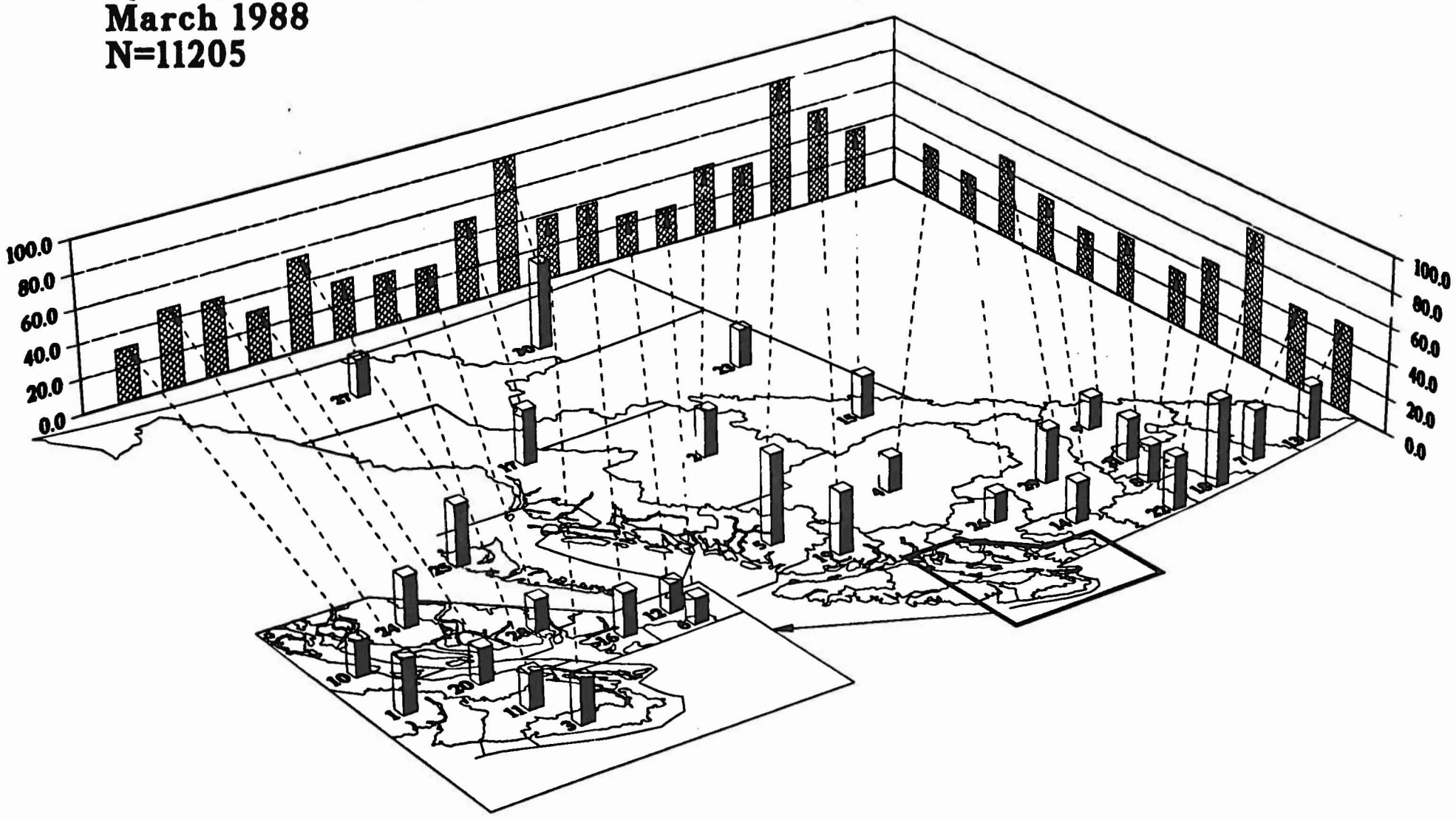
Regional Hospital District	1987[2]	1988
Non-Metropolitan - Subtotal	**1,365,189**	**1,376,381**
1 Alberni-Clayoquot	30,110	29,888
2 Bulkley-Nechako	36,952	36,973
4 Cariboo	60,461	60,416
5 Central Coast	3,217	3,242
6 Central Fraser Valley	141,796	147,532
7 Central Kootenay	48,176	47,318
8 Central Okanagan	91,790	93,999
9 Columbia-Shuswap	39,367	38,917
10 Comox-Strathcona	71,770	72,560
11 Cowichan Valley	52,867	53,468
12 Dewdney-Alouette	72,798	76,160
13 East Kootenay	50,660	49,105
14 Fraser-Cheam	58,928	59,885
15 Fraser-Fort George	88,250	87,533
17 Kitimat-Stikine	39,878	40,182
18 Kootenay Boundary	29,766	29,479
19 Mount Waddington	14,588	14,378
20 Nanaimo	83,855	84,127
21 North Okanagan	55,412	56,253
22 Okanagan-Similkameen	60,133	60,982
23 Peace River	51,252	50,947
24 Powell River	17,739	17,416
25 Skeena-Queen Charlotte	23,124	22,969
26 Squamish-Lillooet	20,242	20,707
27 Stikine	1,822	1,739
28 Sunshine Coast	16,970	17,173
29 Thompson-Nicola	98,065	97,906
30 Fort Nelson/Liard	5,201	5,127
Metropolitan - Subtotal	**1,559,006**	**1,592,388**
3 Capital	269,803	274,565
16 Greater Vancouver	1,289,203	1,317,823
TOTAL	**2,923,595**	**2,968,769**

[1]P.E.O.P.L.E. Projection Model, Projection 14.
Central Statistics Bureau, Mininstry of Economic Development.
[2]These figures differ from the corresponding figures for 1987 appearing in ROLLCALL 87. See Introduction.

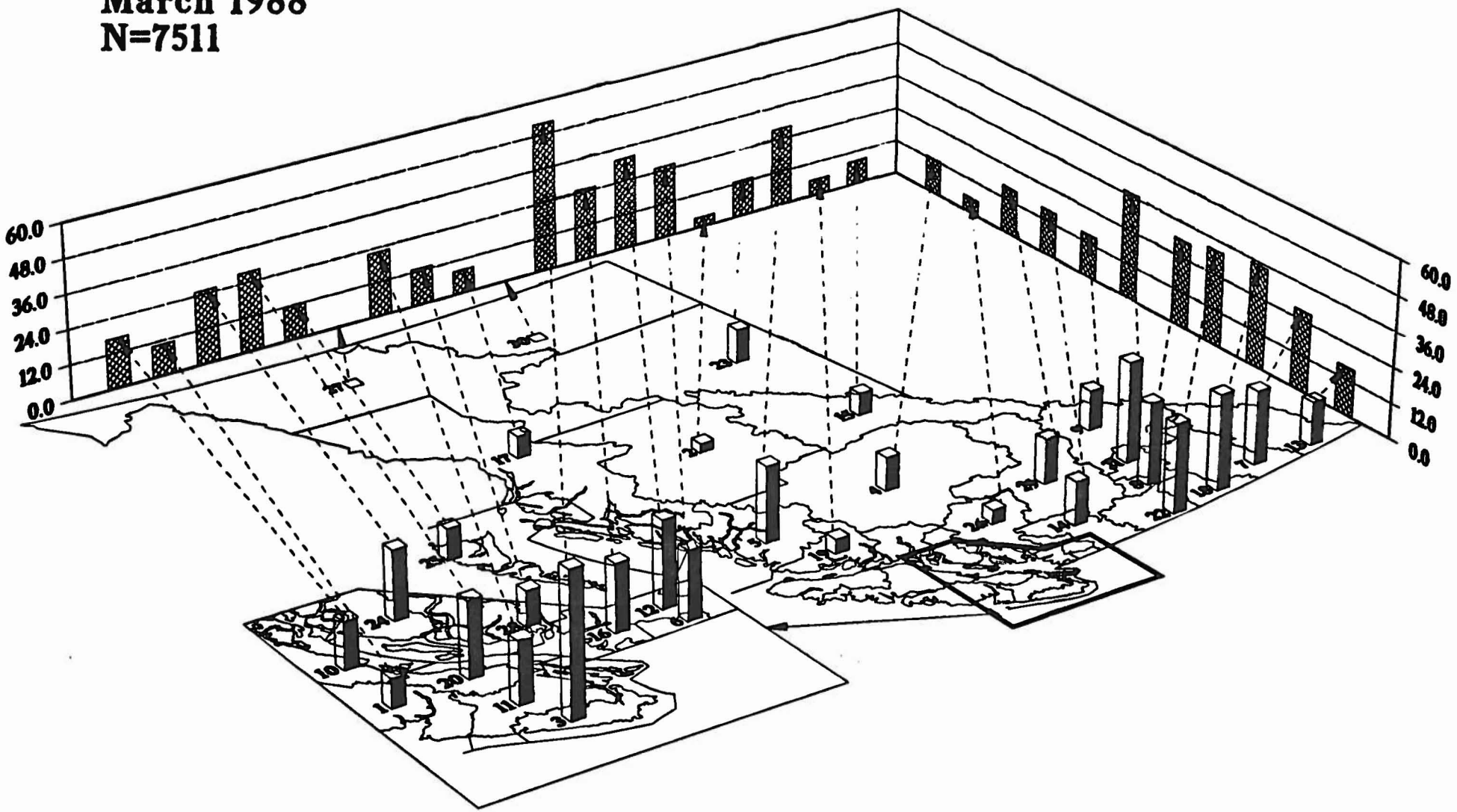
Prepared by:
Health Manpower Research Unit
The University of British Columbia

APPENDIX C
RATED HOSPITAL BED CAPACITY
IN BRITISH COLUMBIA
BY REGIONAL HOSPITAL DISTRICT
MARCH 1987 AND MARCH 1988

Acute Care Beds per 10,000 Population by Regional Hospital District March 1988 N=11205



Extended Care Beds
per 10,000 Population
by Regional Hospital District
March 1988
N=7511



Bassinets
per 10,000 Population
by Regional Hospital District
March 1988
N=1348

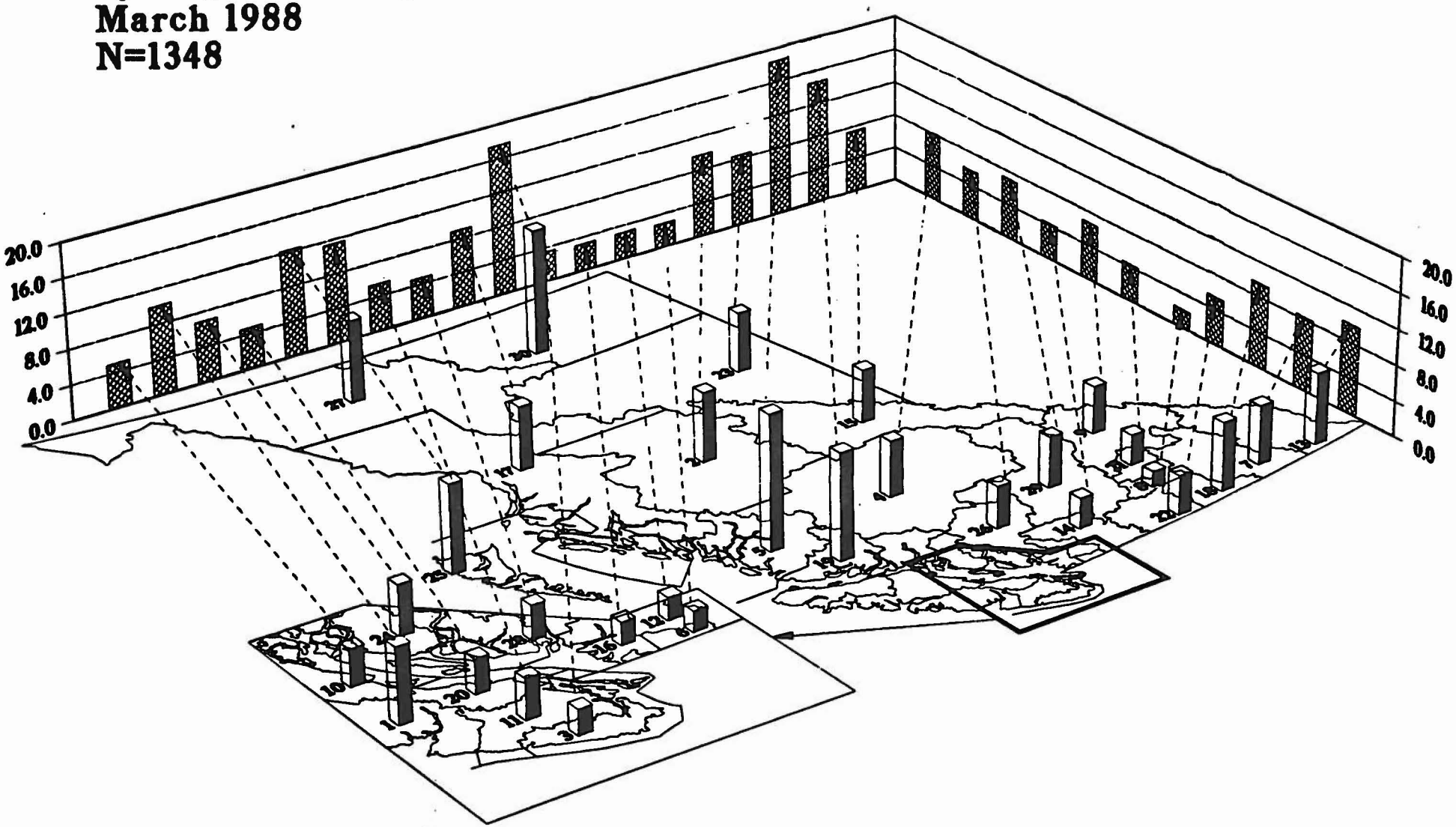


Table 1

Rated Hospital Bed Capacity[1] in British Columbia

by Regional Hospital District

March 1987 and March 1988

Regional Hospital District	Acute Care Beds		Extended Care Beds		Bassinets		Rehabilitation Beds		Total	
	1987	1988	1987	1988	1987	1988	1987	1988	1987	1988
Non-Metropolitan - Subtotal	**5,127**	**5,134**	**2,696**	**2,815**	**838**	**838**	**0**	**0**	**8,661**	**8,787**
1 Alberni-Clayoquot	139	139	32	32	30	30	0	0	201	201
2 Bulkley-Nechako	154	154	13	13	36	36	0	0	203	203
4 Cariboo	189	189	75	75	47	47	0	0	311	311
5 Central Coast	26	26	9	9	6	6	0	0	41	41
6 Central Fraser Valley	337	337	350	375	42	42	0	0	729	754
7 Central Kootenay	216	216	128	128	39	39	0	0	383	383
8 Central Okanagan	308	308	280	280	20	20	0	0	608	608
9 Columbia-Shuswap	113	113	58	58	26	26	0	0	197	197
10 Comox-Strathcona	225	225	123	123	36	36	0	0	384	384
11 Cowichan Valley	167	167	120	120	29	29	0	0	316	316
12 Dewdney-Alouette	196	196	219	244	24	24	0	0	439	464
13 East Kootenay	245	241	75	79	49	49	0	0	369	369
14 Fraser-Cheam	219	219	95	95	25	25	0	0	339	339
15 Fraser-Fort George	319	330	74	74	65	65	0	0	458	469
17 Kitimat-Stikine	200	200	33	33	36	36	0	0	269	269
18 Kootenay Boundary	228	228	103	103	28	28	0	0	359	359
19 Mount Waddington	80	80	8	8	21	21	0	0	109	109
20 Nanaimo	260	260	166	231	39	39	0	0	465	530
21 North Okanagan	213	213	208	208	24	24	0	0	445	445
22 Okanagan-Similkameen	290	290	198	198	33	33	0	0	521	521
23 Peace River	180	180	65	65	43	43	0	0	288	288
24 Powell River	77	77	44	44	12	12	0	0	133	133
25 Skeena-Queen Charlotte	126	126	27	27	28	28	0	0	181	181
26 Squamish-Lillooet	55	55	11	11	12	12	0	0	78	78
27 Stikine	6	6	0	0	2	2	0	0	8	8
28 Sunshine Coast	48	48	22	22	8	8	0	0	78	78
29 Thompson-Nicola	470	470	160	160	69	69	0	0	699	699
30 Fort Nelson/Liard	41	41	0	0	9	9	0	0	50	50
Metropolitan - Subtotal	**6,031**	**6,071**	**4,578**	**4,696**	**510**	**510**	**415**	**428**	**11,534**	**11,705**
3 Capital	1,030	1,045	1,414	1,426	95	95	140	153	2,679	2,719
16 Greater Vancouver	5,001	5,026	3,164	3,270	415	415	275	275	8,855	8,986
TOTAL	**11,158**	**11,205**	**7,274**	**7,511**	**1,348**	**1,348**	**415**	**428**	**20,195**	**20,492**

[1]Source: B.C. Hospital Programs, Ministry of Health.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 2

Rated Hospital Bed Capacity[1] in British Columbia

per 10,000 Population by Regional Hospital District

March 1987[2] and March 1988

Regional Hospital District	Acute Care Beds		Extended Care Beds		Bassinets		Rehabilitation Beds		Total	
	1987	1988	1987	1988	1987	1988	1987	1988	1987	1988
Non-Metropolitan - Subtotal	37.56	37.30	19.75	20.45	6.14	6.09	0.0	0.0	63.44	63.84
1 Alberni-Clayoquot	46.16	46.51	10.63	10.71	9.96	10.04	0.0	0.0	66.76	67.25
2 Bulkley-Nechako	41.68	41.65	3.52	3.52	9.74	9.74	0.0	0.0	54.94	54.90
4 Cariboo	31.26	31.28	12.40	12.41	7.77	7.78	0.0	0.0	51.44	51.48
5 Central Coast	80.82	80.20	27.98	27.76	18.65	18.51	0.0	0.0	127.45	126.47
6 Central Fraser Valley	23.77	22.84	24.68	25.42	2.96	2.85	0.0	0.0	51.41	51.11
7 Central Kootenay	44.84	45.65	26.57	27.05	8.10	8.24	0.0	0.0	79.50	80.94
8 Central Okanagan	33.55	32.77	30.50	29.79	2.18	2.13	0.0	0.0	66.24	64.68
9 Columbia-Shuswap	28.70	29.04	14.73	14.90	6.60	6.68	0.0	0.0	50.04	50.62
10 Comox-Strathcona	31.35	31.01	17.14	16.95	5.02	4.96	0.0	0.0	53.50	52.92
11 Cowichan Valley	31.59	31.23	22.70	22.44	5.49	5.42	0.0	0.0	59.77	59.10
12 Dewdney-Alouette	26.92	25.74	30.08	32.04	3.30	3.15	0.0	0.0	60.30	60.92
13 East Kootenay	48.36	49.08	14.80	16.09	9.67	9.98	0.0	0.0	72.84	75.15
14 Fraser-Cheam	37.16	36.57	16.12	15.86	4.24	4.17	0.0	0.0	57.53	56.61
15 Fraser-Fort George	36.15	37.70	8.39	8.45	7.37	7.43	0.0	0.0	51.90	53.58
17 Kitimat-Stikine	50.15	49.77	8.28	8.21	9.03	8.96	0.0	0.0	67.46	66.95
18 Kootenay Boundary	76.60	77.34	34.60	34.94	9.41	9.50	0.0	0.0	120.61	121.78
19 Mount Waddington	54.84	55.64	5.48	5.56	14.40	14.61	0.0	0.0	74.72	75.81
20 Nanaimo	31.01	30.91	19.80	27.46	4.65	4.64	0.0	0.0	55.45	63.00
21 North Okanagan	38.44	37.86	37.54	36.98	4.33	4.27	0.0	0.0	80.31	79.11
22 Okanagan-Similkameen	48.23	47.56	32.93	32.47	5.49	5.41	0.0	0.0	86.64	85.44
23 Peace River	35.12	35.33	12.68	12.76	8.39	8.44	0.0	0.0	56.19	56.53
24 Powell River	43.41	44.21	24.80	25.26	6.76	6.89	0.0	0.0	74.98	76.37
25 Skeena-Queen Charlotte	54.49	54.86	11.68	11.75	12.11	12.19	0.0	0.0	78.27	78.80
26 Squamish-Lillooet	27.17	26.56	5.43	5.31	5.93	5.80	0.0	0.0	38.53	37.67
27 Stikine	32.93	34.50	0.0	0.0	10.98	11.50	0.0	0.0	43.91	46.00
28 Sunshine Coast	28.29	27.95	12.96	12.81	4.71	4.66	0.0	0.0	45.96	45.42
29 Thompson-Nicola	47.93	48.01	16.32	16.34	7.04	7.05	0.0	0.0	71.28	71.40
30 Fort Nelson/Liard	78.83	79.97	0.0	0.0	17.30	17.55	0.0	0.0	96.14	97.52
Metropolitan - Subtotal	38.68	38.13	29.36	29.49	3.27	3.20	2.66	2.69	73.98	73.51
3 Capital	38.18	38.06	52.41	51.94	3.52	3.46	5.19	5.57	99.29	99.03
16 Greater Vancouver	38.79	38.14	24.54	24.81	3.22	3.15	2.13	2.09	68.69	68.19
TOTAL	38.17	37.74	24.88	25.30	4.61	4.54	1.42	1.44	69.08	69.03

[1]Source: B.C. Hospital Programs, Ministry of Health.
[2]These figures differ from the corresponding figures for 1987 appearing in ROLLCALL 87. See Introduction.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 3

Average Annual Rate of Change in Rated Hospital Bed Capacity[1]

in British Columbia by Regional Hospital District

March 1987 to March 1988

Regional Hospital District	Acute Care Beds		Extended Care Beds		Bassinets		Rehabilitation Beds		Total	
	Number[2]	Ratio[3]	Number[2]	Ratio[3]	Number[2]	Ratio[3]	Number[2]	Ratio[3]	Number[2]	Ratio[3]
Non-Metropolitan - Subtotal	**0.14**	**-0.68**	**4.41**	**3.56**	**0.0**	**-0.81**	*	*	**1.45**	**0.63**
1 Alberni-Clayoquot	0.0	0.74	0.0	0.74	0.0	0.74	*	*	0.0	0.74
2 Bulkley-Nechako	0.0	-0.06	0.0	-0.06	0.0	-0.06	*	*	0.0	-0.06
4 Cariboo	0.0	0.07	0.0	0.07	0.0	0.07	*	*	0.0	0.07
5 Central Coast	0.0	-0.77	*	*	*	*	*	*	0.0	-0.77
6 Central Fraser Valley	0.0	-3.89	7.14	2.98	0.0	-3.89	*	*	3.43	-0.59
7 Central Kootenay	0.0	1.81	0.0	1.81	0.0	1.81	*	*	0.0	1.81
8 Central Okanagan	0.0	-2.35	0.0	-2.35	0.0	-2.35	*	*	0.0	-2.35
9 Columbia-Shuswap	0.0	1.16	0.0	1.16	0.0	1.16	*	*	0.0	1.16
10 Comox-Strathcona	0.0	-1.09	0.0	-1.09	0.0	-1.09	*	*	0.0	-1.09
11 Cowichan Valley	0.0	-1.12	0.0	-1.12	0.0	-1.12	*	*	0.0	-1.12
12 Dewdney-Alouette	0.0	-4.41	11.42	6.50	0.0	-4.41	*	*	5.69	1.03
13 East Kootenay	-1.63	1.48	5.33	8.67	0.0	3.17	*	*	0.0	3.17
14 Fraser-Cheam	0.0	-1.60	0.0	-1.60	0.0	-1.60	*	*	0.0	-1.60
15 Fraser-Fort George	3.45	4.30	0.0	0.82	0.0	0.82	*	*	2.40	3.24
17 Kitimat-Stikine	0.0	-0.76	0.0	-0.76	0.0	-0.76	*	*	0.0	-0.76
18 Kootenay Boundary	0.0	0.97	0.0	0.97	0.0	0.97	*	*	0.0	0.97
19 Mount Waddington	0.0	1.46	*	*	0.0	1.46	*	*	0.0	1.46
20 Nanaimo	0.0	-0.32	39.16	38.71	0.0	-0.32	*	*	13.98	13.61
21 North Okanagan	0.0	-1.50	0.0	-1.50	0.0	-1.50	*	*	0.0	-1.50
22 Okanagan-Similkameen	0.0	-1.39	0.0	-1.39	0.0	-1.39	*	*	0.0	-1.39
23 Peace River	0.0	0.60	0.0	0.60	0.0	0.60	*	*	0.0	0.60
24 Powell River	0.0	1.85	0.0	1.85	0.0	1.85	*	*	0.0	1.85
25 Skeena-Queen Charlotte	0.0	0.67	0.0	0.67	0.0	0.67	*	*	0.0	0.67
26 Squamish-Lillooet	0.0	-2.25	0.0	-2.25	0.0	-2.25	*	*	0.0	-2.25
27 Stikine	*	*	*	*	*	*	*	*	*	*
28 Sunshine Coast	0.0	-1.18	0.0	-1.18	*	*	*	*	0.0	-1.18
29 Thompson-Nicola	0.0	0.16	0.0	0.16	0.0	0.16	*	*	0.0	0.16
30 Fort Nelson/Liard	0.0	1.44	*	*	*	*	*	*	0.0	1.44
Metropolitan - Subtotal	**0.66**	**-1.45**	**2.58**	**0.43**	**0.0**	**-2.10**	**3.13**	**0.97**	**1.48**	**-0.64**
3 Capital	1.46	-0.30	0.85	-0.90	0.0	-1.73	9.29	7.39	1.49	-0.27
16 Greater Vancouver	0.50	-1.68	3.35	1.11	0.0	-2.17	0.0	-2.17	1.48	-0.72
TOTAL	**0.42**	**-1.11**	**3.26**	**1.69**	**0.0**	**-1.52**	**3.13**	**1.56**	**1.47**	**-0.07**

[1]Source: B.C. Hospital Programs, Ministry of Health.
[2]Rate of change (in percent) in the number.
[3]Rate of change (in percent) in the number per 10,000 population.
*Indicates that the base for the rate of change was less than 10.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

APPENDIX D
COMMUNITY PHARMACIES IN BRITISH COLUMBIA BY REGIONAL HOSPITAL DISTRICT DECEMBER 1987 AND DECEMBER 1988

Community Pharmacies per 10,000 Population by Regional Hospital District December 1988 N=636

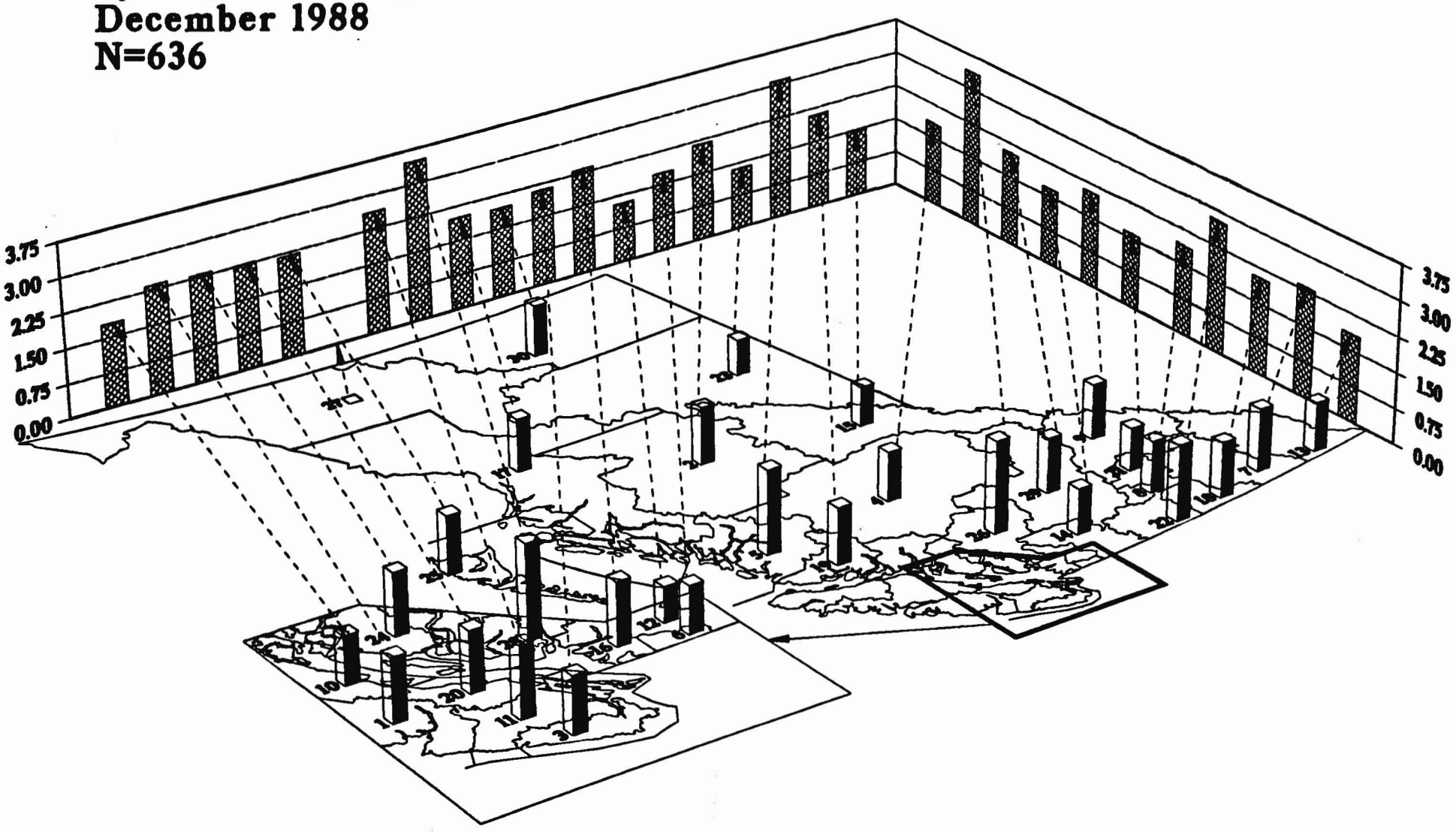


Table 1

Community Pharmacies[1] in British Columbia

by Regional Hospital District

December 1987 and December 1988

Regional Hospital District	Number 1987	Number 1988	Number Per 10,000 Population 1987[2]	Number Per 10,000 Population 1988	Average Annual Rate of Change Number[3]	Average Annual Rate of Change Ratio[4]
Non-Metropolitan - Subtotal	**275**	**271**	**2.01**	**1.97**	**-1.45**	**-2.26**
1 Alberni-Clayoquot	7	7	2.32	2.34	•	•
2 Bulkley-Nechako	8	8	2.16	2.16	•	•
4 Cariboo	11	11	1.82	1.82	0.0	0.07
5 Central Coast	1	1	3.11	3.08	•	•
6 Central Fraser Valley	28	26	1.97	1.76	-7.14	-10.75
7 Central Kootenay	12	11	2.49	2.32	-8.33	-6.67
8 Central Okanagan	19	18	2.07	1.91	-5.26	-7.49
9 Columbia-Shuswap	7	8	1.78	2.06	•	•
10 Comox-Strathcona	14	13	1.95	1.79	-7.14	-8.15
11 Cowichan Valley	12	14	2.27	2.62	16.67	15.36
12 Dewdney-Alouette	10	10	1.37	1.31	0.0	-4.41
13 East Kootenay	10	9	1.97	1.83	-10.00	-7.15
14 Fraser-Cheam	10	10	1.70	1.67	0.0	-1.60
15 Fraser-Fort George	14	13	1.59	1.49	-7.14	-6.38
17 Kitimat-Stikine	7	8	1.76	1.99	•	•
18 Kootenay Boundary	7	6	2.35	2.04	•	•
19 Mount Waddington	3	3	2.06	2.09	•	•
20 Nanaimo	19	19	2.27	2.26	0.0	-0.32
21 North Okanagan	9	9	1.62	1.60	•	•
22 Okanagan-Similkameen	16	17	2.66	2.79	6.25	4.77
23 Peace River	7	7	1.37	1.37	•	•
24 Powell River	3	4	1.69	2.30	•	•
25 Skeena-Queen Charlotte	5	5	2.16	2.18	•	•
26 Squamish-Lillooet	7	7	3.46	3.38	•	•
27 Stikine	0	0	0.0	0.0	•	•
28 Sunshine Coast	6	6	3.54	3.49	•	•
29 Thompson-Nicola	22	20	2.24	2.04	-9.09	-8.94
30 Fort Nelson/Liard	1	1	1.92	1.95	•	•
Metropolitan - Subtotal	**369**	**365**	**2.37**	**2.29**	**-1.08**	**-3.16**
3 Capital	60	58	2.22	2.11	-3.33	-5.01
16 Greater Vancouver	309	307	2.40	2.33	-0.65	-2.80
TOTAL	**644**	**636**	**2.20**	**2.14**	**-1.24**	**-2.74**

[1]Includes retail pharmacies only. Hospital pharmacies are excluded.
[2]These figures differ from the corresponding figures for 1987 appearing in ROLLCALL 87. See Introduction.
[3]Rate of change (in percent) in the number.
[4]Rate of change (in percent) in the number per 10,000 population.
•Indicates that the base for the rate of change was less than 10.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 6

Practising Registered Nurses[1] Employed in Nursing in British Columbia

by Regional Hospital District by Primary Area of Responsibility

June 1988

Regional Hospital District	Direct Patient Care									
	Medical/ Surgical	Critical Care[2]	Maternal/ Newborn	Psychiatry/ Mental Health	Paediatrics	Geriatrics/ Gerontology	Occupa-tional Health	Several Areas[3]	Other Patient Care	Sub-total
Non-Metropolitan - Subtotal	**1,971**	**1,535**	**698**	**324**	**288**	**1,093**	**69**	**1,606**	**177**	**7,761**
1 Alberni-Clayoquot	40	16	13	7	4	22	1	35	4	142
2 Bulkley-Nechako	23	21	10	1	1	14	1	75	1	147
4 Cariboo	56	53	23	3	13	32	1	71	5	257
5 Central Coast	5	1	0	0	0	0	1	12	2	21
6 Central Fraser Valley	226	198	87	48	39	128	8	91	8	833
7 Central Kootenay	77	57	30	13	6	66	1	76	4	330
8 Central Okanagan	188	136	49	31	30	113	8	77	20	652
9 Columbia-Shuswap	39	26	4	4	0	24	0	71	2	170
10 Comox-Strathcona	88	81	33	21	6	48	3	71	8	359
11 Cowichan Valley	73	67	33	15	19	46	1	53	5	312
12 Dewdney-Alouette	125	101	34	30	20	64	5	52	5	436
13 East Kootenay	48	34	11	11	2	54	1	113	6	280
14 Fraser-Cheam	81	58	24	13	10	42	0	48	11	287
15 Fraser-Fort George	167	117	82	21	35	31	3	60	19	535
17 Kitimat-Stikine	42	35	24	1	6	3	3	58	4	176
18 Kootenay Boundary	59	47	21	14	9	39	6	46	6	247
19 Mount Waddington	3	4	0	2	1	1	0	46	1	58
20 Nanaimo	99	83	34	18	15	81	4	72	16	422
21 North Okanagan	108	64	27	19	19	53	3	71	3	367
22 Okanagan-Similkameen	117	72	26	13	6	75	3	75	9	396
23 Peace River	41	38	26	0	6	37	1	46	4	199
24 Powell River	24	27	17	3	7	21	1	18	0	118
25 Skeena-Queen Charlotte	26	24	17	0	9	8	0	43	7	134
26 Squamish-Lillooet	10	6	1	0	1	9	0	55	1	83
27 Stikine	0	0	0	0	0	0	0	7	0	7
28 Sunshine Coast	20	17	5	1	1	16	1	28	3	92
29 Thompson-Nicola	184	151	66	34	23	66	12	121	23	680
30 Fort Nelson/Liard	2	1	1	1	0	0	1	15	0	21
Metropolitan - Subtotal	**3,909**	**2,812**	**1,037**	**626**	**662**	**1,833**	**193**	**1,145**	**353**	**12,570**
3 Capital	703	553	187	132	104	548	27	218	84	2,556
16 Greater Vancouver	3,206	2,259	850	494	558	1,285	166	927	269	10,014
TOTAL	**5,880**	**4,347**	**1,735**	**950**	**950**	**2,926**	**262**	**2,751**	**530**	**20,331**

[1]Definitions are as in the attached text.
[2]e.g. ICU, OR, ER
[3]e.g. float, small hospital, community health

Prepared by:
Health Manpower Research Unit
The University of British Columbia

... *continued*

Table 6
(Continued)

Practising Registered Nurses[1] Employed in Nursing in British Columbia

by Regional Hospital District by Primary Area of Responsibility

June 1988

	Administration				Teaching							
Regional Hospital District	Nursing Educ.	Nursing Services	Other	Sub-total	Students	Employees	Clients	Other	Sub-total	Research	Unknown	Total
Non-Metropolitan - Subtotal	11	354	117	482	142	36	52	52	282	5	160	8,690
1 Alberni-Clayoquot	0	5	0	5	1	0	0	0	1	0	4	152
2 Bulkley-Nechako	0	9	5	14	0	0	4	1	5	0	5	171
4 Cariboo	0	10	6	16	1	0	0	0	1	0	7	281
5 Central Coast	0	1	1	2	0	0	0	0	0	0	0	23
6 Central Fraser Valley	0	36	11	47	10	4	6	9	29	3	16	928
7 Central Kootenay	1	14	6	21	9	3	1	2	15	0	5	371
8 Central Okanagan	1	24	10	35	18	2	5	5	30	2	19	738
9 Columbia-Shuswap	0	7	4	11	0	1	5	0	6	0	2	189
10 Comox-Strathcona	0	22	4	26	6	0	2	2	10	0	8	403
11 Cowichan Valley	0	10	4	14	3	1	3	2	9	0	10	345
12 Dewdney-Alouette	2	21	4	27	4	4	5	3	16	0	7	486
13 East Kootenay	0	20	5	25	4	0	2	0	6	0	2	313
14 Fraser-Cheam	0	12	3	15	1	0	3	1	5	0	5	312
15 Fraser-Fort George	2	23	4	29	21	5	5	4	35	0	10	609
17 Kitimat-Stikine	1	8	7	16	3	1	0	0	4	0	2	198
18 Kootenay Boundary	0	5	5	10	6	0	2	2	10	0	3	270
19 Mount Waddington	0	4	1	5	0	0	0	1	1	0	0	64
20 Nanaimo	1	21	7	29	20	0	2	7	29	0	8	488
21 North Okanagan	1	17	4	22	2	0	3	4	9	0	7	405
22 Okanagan-Similkameen	0	16	3	19	1	5	0	1	7	0	10	432
23 Peace River	0	17	3	20	4	2	0	3	9	0	6	234
24 Powell River	1	8	2	11	0	0	0	0	0	0	2	131
25 Skeena-Queen Charlotte	0	9	1	10	0	1	0	3	4	0	8	156
26 Squamish-Lillooet	0	3	3	6	0	0	0	0	0	0	3	92
27 Stikine	0	0	0	0	0	0	1	0	1	0	0	8
28 Sunshine Coast	0	5	1	6	1	2	0	0	3	0	3	104
29 Thompson-Nicola	1	27	13	41	27	4	2	2	35	0	8	764
30 Fort Nelson/Liard	0	0	0	0	0	1	1	0	2	0	0	23
Metropolitan - Subtotal	36	531	219	786	339	118	97	78	632	56	303	14,347
3 Capital	8	97	47	152	48	22	15	13	98	6	50	2,862
16 Greater Vancouver	28	434	172	634	291	96	82	65	534	50	253	11,485
TOTAL	47	885	336	1,268	481	154	149	130	914	61	463	23,037

[1]Definitions are as in the attached text.

Prepared by:
Health Manpower Research Unit
The University of British Columbia

Table 7

Practising Registered Nurses[1] Employed in Nursing in British Columbia

Per 10,000 Population by Regional Hospital District by Primary Area of Responsibility

June 1988

Regional Hospital District	Direct Patient Care									
	Medical/ Surgical	Critical Care[2]	Maternal/ Newborn	Psychiatry/ Mental Health	Paediatrics	Geriatrics/ Gerontology	Occupa-tional Health	Several Areas[3]	Other Patient Care	Sub-total
Non-Metropolitan - Subtotal	**14.32**	**11.15**	**5.07**	**2.35**	**2.09**	**7.94**	**0.50**	**11.67**	**1.29**	**56.39**
1 Alberni-Clayoquot	13.38	5.35	4.35	2.34	1.34	7.36	0.33	11.71	1.34	47.51
2 Bulkley-Nechako	6.22	5.68	2.70	0.27	0.27	3.79	0.27	20.29	0.27	39.76
4 Cariboo	9.27	8.77	3.81	0.50	2.15	5.30	0.17	11.75	0.83	42.54
5 Central Coast	15.42	3.08	0.00	0.00	0.00	0.00	3.08	37.01	6.17	64.77
6 Central Fraser Valley	15.32	13.42	5.90	3.25	2.64	8.68	0.54	6.17	0.54	56.46
7 Central Kootenay	16.27	12.05	6.34	2.75	1.27	13.95	0.21	16.06	0.85	69.74
8 Central Okanagan	20.00	14.47	5.21	3.30	3.19	12.02	0.85	8.19	2.13	69.36
9 Columbia-Shuswap	10.02	6.68	1.03	1.03	0.00	6.17	0.00	18.24	0.51	43.68
10 Comox-Strathcona	12.13	11.16	4.55	2.89	0.83	6.62	0.41	9.79	1.10	49.48
11 Cowichan Valley	13.65	12.53	6.17	2.81	3.55	8.60	0.19	9.91	0.94	58.35
12 Dewdney-Alouette	16.41	13.26	4.46	3.94	2.63	8.40	0.66	6.83	0.66	57.25
13 East Kootenay	9.77	6.92	2.24	2.24	0.41	11.00	0.20	23.01	1.22	57.02
14 Fraser-Cheam	13.53	9.69	4.01	2.17	1.67	7.01	0.00	8.02	1.84	47.93
15 Fraser-Fort George	19.08	13.37	9.37	2.40	4.00	3.54	0.34	6.85	2.17	61.12
17 Kitimat-Stikine	10.45	8.71	5.97	0.25	1.49	0.75	0.75	14.43	1.00	43.80
18 Kootenay Boundary	20.01	15.94	7.12	4.75	3.05	13.23	2.04	15.60	2.04	83.79
19 Mount Waddington	2.09	2.78	0.00	1.39	0.70	0.70	0.00	31.99	0.70	40.34
20 Nanaimo	11.77	9.87	4.04	2.14	1.78	9.63	0.48	8.56	1.90	50.16
21 North Okanagan	19.20	11.38	4.80	3.38	3.38	9.42	0.53	12.62	0.53	65.24
22 Okanagan-Similkameen	19.19	11.81	4.26	2.13	0.98	12.30	0.49	12.30	1.48	64.94
23 Peace River	8.05	7.46	5.10	0.00	1.18	7.26	0.20	9.03	0.79	39.06
24 Powell River	13.78	15.50	9.76	1.72	4.02	12.06	0.57	10.34	0.00	67.75
25 Skeena-Queen Charlotte	11.32	10.45	7.40	0.00	3.92	3.48	0.00	18.72	3.05	58.34
26 Squamish-Lillooet	4.83	2.90	0.48	0.00	0.48	4.35	0.00	26.56	0.48	40.08
27 Stikine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.25	0.00	40.25
28 Sunshine Coast	11.65	9.90	2.91	0.58	0.58	9.32	0.58	16.30	1.75	53.57
29 Thompson-Nicola	18.79	15.42	6.74	3.47	2.35	6.74	1.23	12.36	2.35	69.45
30 Fort Nelson/Liard	3.90	1.95	1.95	1.95	0.00	0.00	1.95	29.26	0.00	40.96
Metropolitan - Subtotal	**24.55**	**17.66**	**6.51**	**3.93**	**4.16**	**11.51**	**1.21**	**7.19**	**2.22**	**78.94**
3 Capital	25.60	20.14	6.81	4.81	3.79	19.96	0.98	7.94	3.06	93.09
16 Greater Vancouver	24.33	17.14	6.45	3.75	4.23	9.75	1.26	7.03	2.04	75.99
TOTAL	**19.81**	**14.64**	**5.84**	**3.20**	**3.20**	**9.86**	**0.88**	**9.27**	**1.79**	**68.48**

[1]Definitions are as in the attached text.
[2]e.g., ICU, OR, ER
[3]e.g., float, small hospital, community health

Prepared by:
Health Manpower Research Unit
The University of British Columbia

... *continued*

Table 7
(Continued)

Practising Registered Nurses[1] Employed in Nursing in British Columbia

Per 10,000 Population by Regional Hospital District by Primary Area of Responsibility

June 1988

	Administration				Teaching							
Regional Hospital District	Nursing Educ.	Nursing Services	Other	Sub-total	Stu-dents	Employees	Clients	Other	Sub-total	Research	Unknown	Total
Non-Metropolitan - Subtotal	0.08	2.57	0.85	3.50	1.03	0.26	0.38	0.38	2.05	0.04	1.16	63.14
1 Alberni-Clayoquot	0.00	1.67	0.00	1.67	0.33	0.00	0.00	0.00	0.33	0.00	1.34	50.86
2 Bulkley-Nechako	0.00	2.43	1.35	3.79	0.00	0.00	1.08	0.27	1.35	0.00	1.35	46.25
4 Cariboo	0.00	1.66	0.99	2.65	0.17	0.00	0.00	0.00	0.17	0.00	1.16	46.51
5 Central Coast	0.00	3.08	3.08	6.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70.94
6 Central Fraser Valley	0.00	2.44	0.75	3.19	0.68	0.27	0.41	0.61	1.97	0.20	1.08	62.90
7 Central Kootenay	0.21	2.96	1.27	4.44	1.90	0.63	0.21	0.42	3.17	0.00	1.06	78.41
8 Central Okanagan	0.11	2.55	1.06	3.72	1.91	0.21	0.53	0.53	3.19	0.21	2.02	78.51
9 Columbia-Shuswap	0.00	1.80	1.03	2.83	0.00	0.26	1.28	0.00	1.54	0.00	0.51	48.56
10 Comox-Strathcona	0.00	3.03	0.55	3.58	0.83	0.00	0.28	0.28	1.38	0.00	1.10	55.54
11 Cowichan Valley	0.00	1.87	0.75	2.62	0.56	0.19	0.56	0.37	1.68	0.00	1.87	64.52
12 Dewdney-Alouette	0.26	2.76	0.53	3.55	0.53	0.53	0.66	0.39	2.10	0.00	0.92	63.81
13 East Kootenay	0.00	4.07	1.02	5.09	0.81	0.00	0.41	0.00	1.22	0.00	0.41	63.74
14 Fraser-Cheam	0.00	2.00	0.50	2.50	0.17	0.00	0.50	0.17	0.83	0.00	0.83	52.10
15 Fraser-Fort George	0.23	2.63	0.46	3.31	2.40	0.57	0.57	0.46	4.00	0.00	1.14	69.57
17 Kitimat-Stikine	0.25	1.99	1.74	3.98	0.75	0.25	0.00	0.00	1.00	0.00	0.50	49.28
18 Kootenay Boundary	0.00	1.70	1.70	3.39	2.04	0.00	0.68	0.68	3.39	0.00	1.02	91.59
19 Mount Waddington	0.00	2.78	0.70	3.48	0.00	0.00	0.00	0.70	0.70	0.00	0.00	44.51
20 Nanaimo	0.12	2.50	0.83	3.45	2.38	0.00	0.24	0.83	3.45	0.00	0.95	58.01
21 North Okanagan	0.18	3.02	0.71	3.91	0.36	0.00	0.53	0.71	1.60	0.00	1.24	72.00
22 Okanagan-Similkameen	0.00	2.62	0.49	3.12	0.16	0.82	0.00	0.16	1.15	0.00	1.64	70.84
23 Peace River	0.00	3.34	0.59	3.93	0.79	0.39	0.00	0.59	1.77	0.00	1.18	45.93
24 Powell River	0.57	4.59	1.15	6.32	0.00	0.00	0.00	0.00	0.00	0.00	1.15	75.22
25 Skeena-Queen Charlotte	0.00	3.92	0.44	4.35	0.00	0.44	0.00	1.31	1.74	0.00	3.48	67.92
26 Squamish-Lillooet	0.00	1.45	1.45	2.90	0.00	0.00	0.00	0.00	0.00	0.00	1.45	44.43
27 Stikine	0.00	0.00	0.00	0.00	0.00	0.00	5.75	0.00	5.75	0.00	0.00	46.00
28 Sunshine Coast	0.00	2.91	0.58	3.49	0.58	1.16	0.00	0.00	1.75	0.00	1.75	60.56
29 Thompson-Nicola	0.10	2.76	1.33	4.19	2.76	0.41	0.20	0.20	3.57	0.00	0.82	78.03
30 Fort Nelson/Liard	0.00	0.00	0.00	0.00	0.00	1.95	1.95	0.00	3.90	0.00	0.00	44.86
Metropolitan - Subtotal	0.23	3.33	1.38	4.94	2.13	0.74	0.61	0.49	3.97	0.35	1.90	90.10
3 Capital	0.29	3.53	1.71	5.54	1.75	0.80	0.55	0.47	3.57	0.22	1.82	104.24
16 Greater Vancouver	0.21	3.29	1.31	4.81	2.21	0.73	0.62	0.49	4.05	0.38	1.92	87.15
TOTAL	0.16	2.98	1.13	4.27	1.62	0.52	0.50	0.44	3.08	0.21	1.56	77.60

[1]Definitions are as in the attached text.

Prepared by:
Health Manpower Research Unit
The University of British Columbia