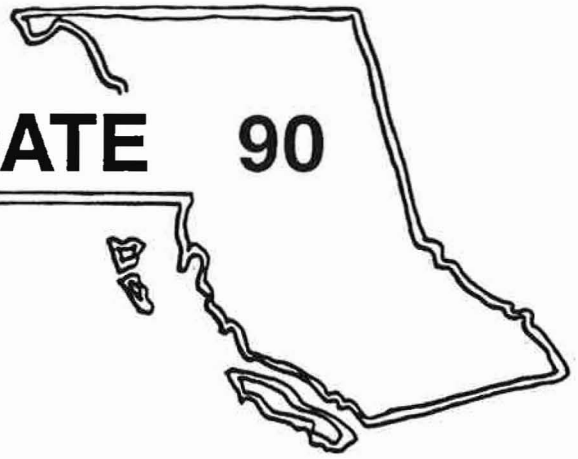
ROLLCALL UPDATE 90



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

HHRU 91:3

Health Human Resources Unit
Centre for Health Services and Policy Research
University of British Columbia
Vancouver, British Columbia V6T 1Z3

March 1991

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April 5, 1991

Dr. Doug Bigelow
Chair
Health Human Resources Working Group
Ministry of Health
1515 Blanshard Street
Victoria, B.C. V8W 3C8

Dear Dr. Bigelow:

It is my pleasure to transmit to you and to the members of the Health Human Resources Working Group the sixth edition of our ROLLCALL UPDATE series, ROLLCALL UPDATE 90. This is an interim report which appears in "non-ROLLCALL" years. This year it has been expanded to contain information about twelve health occupations, including physiotherapists, occupational therapists, and massage practitioners.

The health human resources data for ROLLCALL UPDATE 90 were provided by the professional bodies concerned, as their contribution to the cooperative database of the HHRU. Only those groups which can supply computer-based registration data are included in this report.

All the staff of the HHRU have been involved in the preparation of this document; in particular, Laura Wood was instrumental in the implementation and management of this project, and Brian McCashin coordinated all the phases of computer programming and table production. Financial support from the Ministry of Health and the University of British Columbia is gratefully acknowledged.

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

Sincerely yours,

Arminée Kazanjian, Dr.Soc.
Associate Director

AK:da

Encl.

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FOREWORD

The following tables and definitions comprise an interim report concerning the status of selected health disciplines for the interim year (1990) between the regular biennial publications of *ROLLCALL - A Status Report of Health Personnel in the Province of British Columbia.*

The data described in *ROLLCALL UPDATE 90* are all computer-based and are managed by the colleges or professional associations of each group. All the data are reported by Regional Hospital District (RHD). Supplementary breakdowns by school district, by community[1], and by Health Human Resources Unit (HHRU) region[2] are available on request.

Personnel-to-population ratios and rates of change for personnel-to-population ratios[3] are calculated for each group and are reported by Regional Hospital District. In addition, personnel-to-population ratios for each RHD 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 human resources 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 1989 and 1990 figures are from the Planning and Statistics Division, Ministry of Finance and Corporate Relations, Victoria, B.C. The 1989 personnel-to-population ratios shown throughout this report differ from the corresponding figures for 1989 which appeared in *ROLLCALL 89* because of revised population estimates supplied by the Planning and Statistics Division.

The next regular report, *ROLLCALL 91*, will be available early in 1992. That publication will contain information on a much larger number of health human resources groups for which the data are held in the cooperative database maintained by the Health Human Resources Unit, located within the Centre for Health Services and Policy Research.

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

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

[3]$[(\text{Personnel 1990}/\text{Personnel 1989})^{12/n} - 1] \times 100$, where n = number of months separating the two sets of data.

Rate of change (in percent) in the number of personnel relative to change in population: $[((\text{Personnel 1990}/\text{Personnel 1989}) \times (\text{Population 1989}/\text{Population 1990}))^{12/n} - 1] \times 100$, where n = number of months separating the two sets of data.

DENTAL ASSISTANTS - CERTIFIED

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]

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;

---

[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.

(h) removing orthodontic bands 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 1989 and December 1990.

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

Preparation:

The table, prepared from registration data maintained by the CDSBC, includes certified dental assistants who were British Columbia residents at the date of record.

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[3]*Regulations*, op. cit., Article 10.19.

Certified Dental Assistants per 10,000 Population by Regional Hospital District December 1990 N=3647

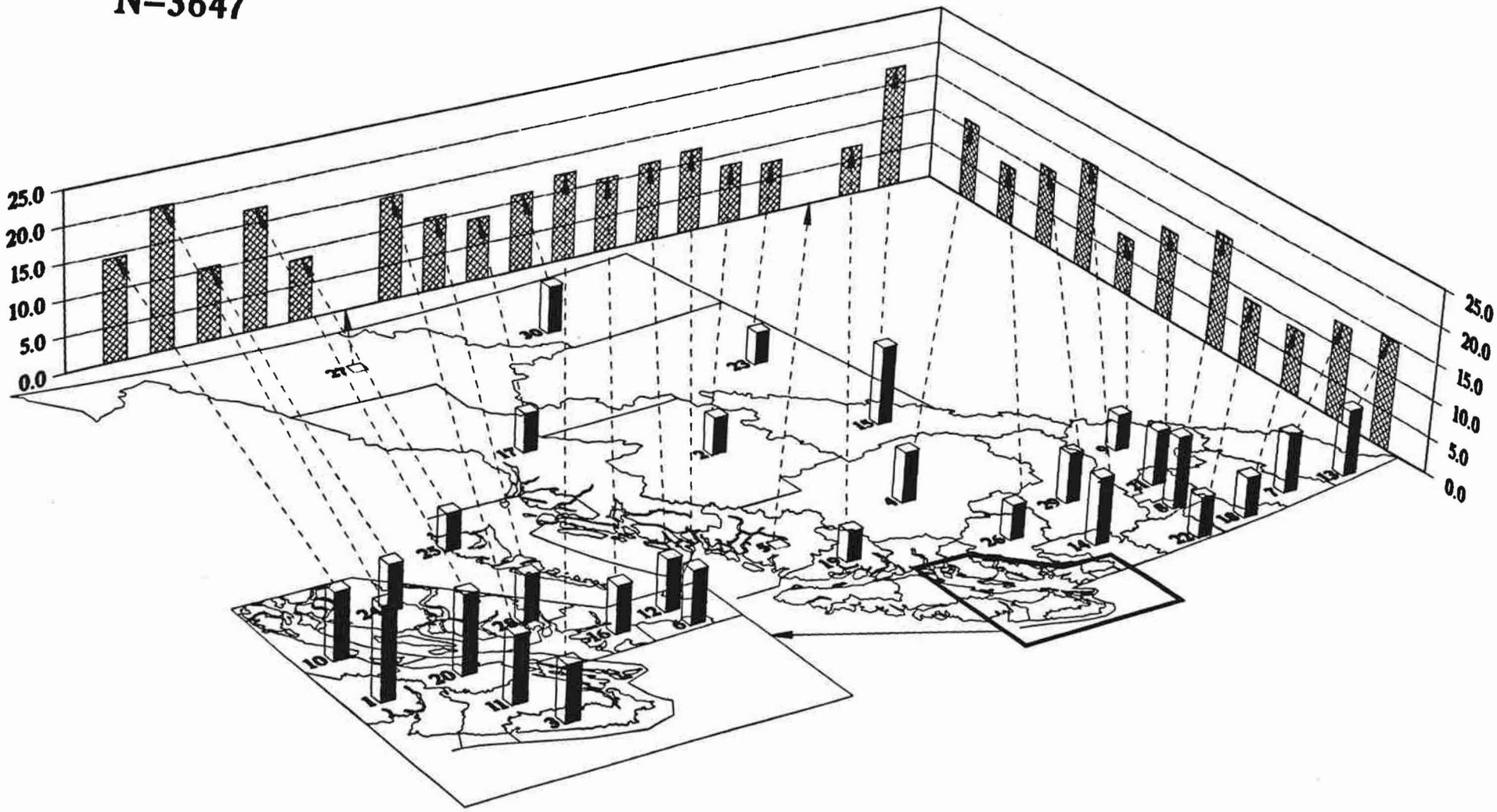

Table 1

Certified Dental Assistants[1] in British Columbia

by Regional Hospital District

September 1989 and December 1990

Regional Hospital District	Number 1989[2]	Number 1990[3]	Number per 10,000 Population 1989[4]	Number per 10,000 Population 1990	Average Annual Rate of Change Number[5]	Average Annual Rate of Change Ratio[6]
Non-Metropolitan - Subtotal	**1,639**	**1,716**	**12.33**	**12.67**	**3.74**	**2.20**
1 Alberni-Clayoquot	59	61	19.70	20.13	2.70	1.75
2 Bulkley-Nechako	36	32	9.72	8.55	-8.99	-9.72
4 Cariboo	67	66	11.49	11.25	-1.20	-1.72
5 Central Coast	0	0	0.00	0.00	*	*
6 Central Fraser Valley	99	99	12.45	11.88	0.00	-3.68
7 Central Kootenay	62	65	12.78	13.20	3.85	2.62
8 Central Okanagan	146	162	14.93	15.98	8.68	5.57
9 Columbia-Shuswap	31	32	7.82	8.04	2.57	2.26
10 Comox-Strathcona	112	114	14.66	14.48	1.43	-0.94
11 Cowichan Valley	78	82	14.13	14.62	4.08	2.76
12 Dewdney-Alouette	88	99	10.69	11.36	9.88	4.98
13 East Kootenay	70	71	14.39	14.73	1.14	1.90
14 Fraser-Cheam	92	99	14.62	15.23	6.04	3.36
15 Fraser-Fort George	141	151	16.35	17.46	5.63	5.39
17 Kitimat-Stikine	35	35	8.93	8.86	0.00	-0.58
18 Kootenay Boundary	24	27	8.05	9.01	9.88	9.44
19 Mount Waddington	14	10	9.86	7.07	-23.60	-23.35
20 Nanaimo	149	155	16.87	17.01	3.21	0.67
21 North Okanagan	71	70	12.64	12.37	-1.13	-1.69
22 Okanagan-Similkameen	53	58	8.56	9.25	7.48	6.41
23 Peace River	37	37	7.50	7.55	0.00	0.57
24 Powell River	17	19	9.35	10.35	9.31	8.47
25 Skeena-Queen Charlotte	18	20	7.86	8.71	8.79	8.55
26 Squamish-Lillooet	14	18	6.53	8.17	22.27	19.62
27 Stikine	0	0	0.00	0.00	*	*
28 Sunshine Coast	16	19	8.95	10.43	14.74	13.02
29 Thompson-Nicola	105	110	10.72	11.15	3.79	3.16
30 Fort Nelson/Liard	5	5	10.67	10.89	*	*
Metropolitan - Subtotal	**1,843**	**1,931**	**10.69**	**10.87**	**3.80**	**1.36**
3 Capital	348	363	12.30	12.49	3.43	1.25
16 Greater Vancouver	1,495	1,568	10.37	10.56	3.89	1.39
TOTAL	**3,482**	**3,647**	**11.40**	**11.65**	**3.77**	**1.72**

[1]Definitions are as in the attached text.
[2]Excludes twenty-four Certified Dental Assistants with unknown address.
[3]Excludes seventy-six Certified Dental Assistants with unknown address.
[4]The figures differ from the corresponding figures for 1989 appearing in ROLLCALL 89. See Foreword.
[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 Human Resources Unit
The University of British Columbia

DENTAL HYGIENISTS

DENTAL HYGIENISTS

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

... 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.

Date of Record: September 1989 and December 1990.

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

Preparation and Updating:

Table 1 was prepared from registration data maintained by the CDSBC and includes dental hygienists who were B.C. residents at the date of record.

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[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 of Occupations 1980.* Major Group 31, No. 3157-110, p. 63, Ottawa: Employment and Immigration Canada.

Dental Hygienists per 10,000 Population by Regional Hospital District December 1990 N=850

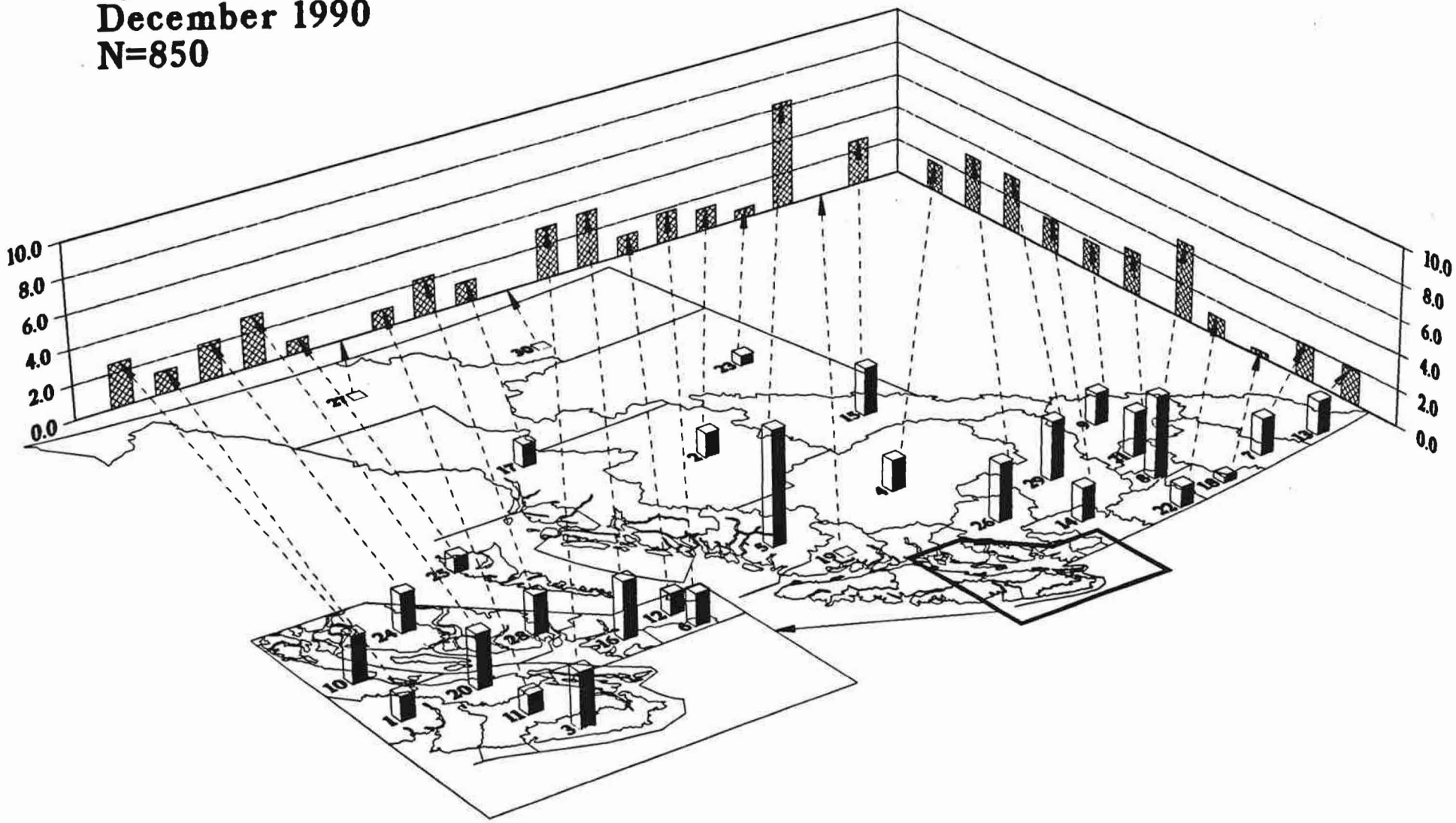

Table 1

Dental Hygienists[1] in British Columbia

by Regional Hospital District

September 1989 and December 1990

Regional Hospital District	Number 1989	Number 1990[2]	Number per 10,000 Population 1989[3]	Number per 10,000 Population 1990	Average Annual Rate of Change Number[4]	Average Annual Rate of Change Ratio[5]
Non-Metropolitan - Subtotal	**265**	**284**	**1.99**	**2.10**	**5.70**	**4.13**
1 Alberni-Clayoquot	4	4	1.34	1.32	*	*
2 Bulkley-Nechako	5	5	1.35	1.34	*	*
4 Cariboo	8	10	1.37	1.70	*	*
5 Central Coast	0	2	0.00	6.28	*	*
6 Central Fraser Valley	17	15	2.14	1.80	-9.53	-12.86
7 Central Kootenay	10	10	2.06	2.03	0.00	-1.19
8 Central Okanagan	41	45	4.19	4.44	7.73	4.65
9 Columbia-Shuswap	7	7	1.77	1.76	*	*
10 Comox-Strathcona	18	20	2.36	2.54	8.79	6.26
11 Cowichan Valley	4	6	0.72	1.07	*	*
12 Dewdney-Alouette	9	10	1.09	1.15	*	*
13 East Kootenay	10	9	2.06	1.87	-8.08	-7.39
14 Fraser-Cheam	13	12	2.07	1.85	-6.20	-8.57
15 Fraser-Fort George	21	23	2.43	2.66	7.55	7.30
17 Kitimat-Stikine	3	5	0.77	1.27	*	*
18 Kootenay Boundary	0	1	0.00	0.33	*	*
19 Mount Waddington	0	0	0.00	0.00	*	*
20 Nanaimo	26	27	2.94	2.96	3.07	0.53
21 North Okanagan	14	14	2.49	2.47	0.00	-0.56
22 Okanagan-Similkameen	7	7	1.13	1.12	*	*
23 Peace River	4	3	0.81	0.61	*	*
24 Powell River	4	4	2.20	2.18	*	*
25 Skeena-Queen Charlotte	0	2	0.00	0.87	*	*
26 Squamish-Lillooet	7	7	3.27	3.18	*	*
27 Stikine	0	0	0.00	0.00	*	*
28 Sunshine Coast	3	4	1.68	2.20	*	*
29 Thompson-Nicola	30	32	3.06	3.24	5.30	4.66
30 Fort Nelson/Liard	0	0	0.00	0.00	*	*
Metropolitan - Subtotal	**560**	**566**	**3.25**	**3.19**	**0.86**	**-1.52**
3 Capital	84	88	2.97	3.03	3.79	1.60
16 Greater Vancouver	476	478	3.30	3.22	0.34	-2.07
TOTAL	**825**	**850**	**2.70**	**2.72**	**2.42**	**0.39**

[1]Definitions are as in the attached text.
[2]Excludes twenty-one Dental Hygienists with unknown address.
[3]The figures differ from the corresponding figures for 1989 appearing in ROLLCALL 89. See Foreword.
[4]Rate of change (in percent) in the number.
[5]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 Human Resources Unit
The University of British Columbia

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 1989 and December 1990.

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

Preparation and Updating:

The tables were prepared from registration data maintained by the CDSBC and include licensed dentists who reported a B.C. address at the date of record.

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[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 1989 to 1990.

New registrants are dentists included in the December 1990 stock who registered with the CDSBC *for the first time* subsequent to September 1989. New registrants are recorded according to their place of graduation: i.e., from U.B.C., Other Canadian Provinces (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 1989, but were licensed in B.C. in December 1990, and whose date of initial registration was before September 1989.

Attrition (Attr'n) describes dentists who were included in the September 1989 stock but who, because of death, retirement, suspension, out-of-province relocation or non-renewal of licensure were not included in the December 1990 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.

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[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 December 1990 N=1950

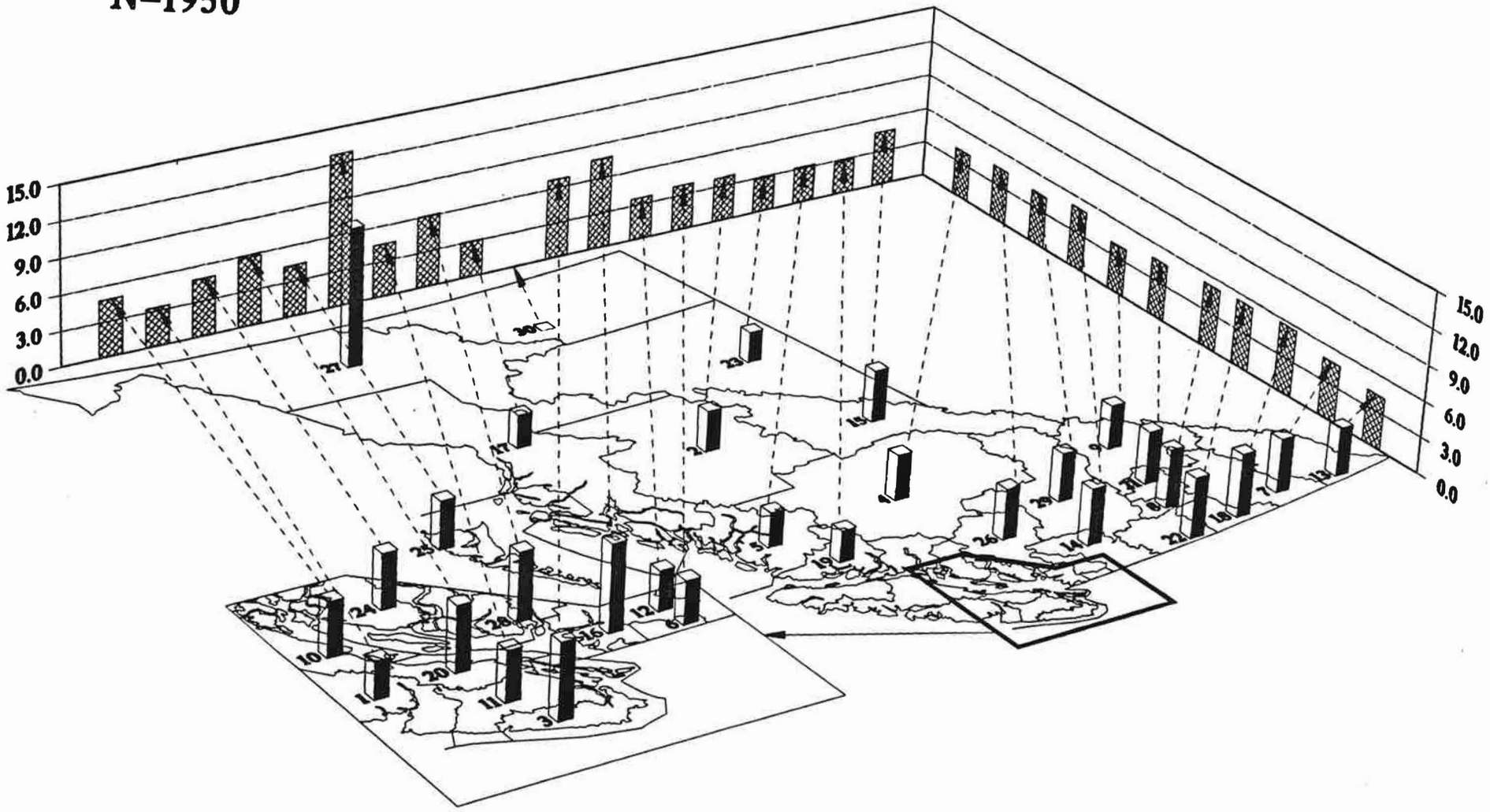

Table 1

Licensed Dentists[1] in British Columbia

by Regional Hospital District by Specialists and Non-Specialists

September 1989[2] and December 1990[3]

Regional Hospital District	Non-Specialist 1989	Non-Specialist 1990	Specialist 1989	Specialist 1990	Total 1989	Total 1990
Non-Metropolitan - Subtotal	**558**	**575**	**35**	**34**	**593**	**609**
1 Alberni-Clayoquot	11	10	0	0	11	10
2 Bulkley-Nechako	11	14	0	0	11	14
4 Cariboo	24	22	3	2	27	24
5 Central Coast	2	1	0	0	2	1
6 Central Fraser Valley	28	31	1	1	29	32
7 Central Kootenay	24	24	0	0	24	24
8 Central Okanagan	48	46	8	7	56	53
9 Columbia-Shuswap	15	15	1	1	16	16
10 Comox-Strathcona	35	36	2	2	37	38
11 Cowichan Valley	24	25	0	0	24	25
12 Dewdney-Alouette	27	30	1	1	28	31
13 East Kootenay	19	20	1	1	20	21
14 Fraser-Cheam	32	31	2	2	34	33
15 Fraser-Fort George	39	39	3	2	42	41
17 Kitimat-Stikine	11	11	1	1	12	12
18 Kootenay Boundary	14	17	0	0	14	17
19 Mount Waddington	4	4	0	0	4	4
20 Nanaimo	48	48	5	5	53	53
21 North Okanagan	23	24	2	3	25	27
22 Okanagan-Similkameen	29	31	2	3	31	34
23 Peace River	13	13	1	1	14	14
24 Powell River	10	9	0	0	10	9
25 Skeena-Queen Charlotte	9	10	0	0	9	10
26 Squamish-Lillooet	8	10	0	0	8	10
27 Stikine	2	2	0	0	2	2
28 Sunshine Coast	8	11	0	0	8	11
29 Thompson-Nicola	39	41	2	2	41	43
30 Fort Nelson/Liard	1	0	0	0	1	0
Metropolitan - Subtotal	**1,159**	**1,185**	**153**	**156**	**1,312**	**1,341**
3 Capital	169	173	24	23	193	196
16 Greater Vancouver	990	1,012	129	133	1,119	1,145
TOTAL	**1,717**	**1,760**	**188**	**190**	**1,905**	**1,950**

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

Prepared by:
Health Human Resources 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 1989[2] and December 1990

Regional Hospital District	Non-Specialist 1989	Non-Specialist 1990	Specialist 1989	Specialist 1990	Total 1989	Total 1990
Non-Metropolitan - Subtotal	**4.20**	**4.25**	**0.26**	**0.25**	**4.46**	**4.50**
1 Alberni-Clayoquot	3.67	3.30	0.00	0.00	3.67	3.30
2 Bulkley-Nechako	2.97	3.74	0.00	0.00	2.97	3.74
4 Cariboo	4.12	3.75	0.51	0.34	4.63	4.09
5 Central Coast	6.27	3.14	0.00	0.00	6.27	3.14
6 Central Fraser Valley	3.52	3.72	0.13	0.12	3.65	3.84
7 Central Kootenay	4.95	4.87	0.00	0.00	4.95	4.87
8 Central Okanagan	4.91	4.54	0.82	0.69	5.73	5.23
9 Columbia-Shuswap	3.78	3.77	0.25	0.25	4.04	4.02
10 Comox-Strathcona	4.58	4.57	0.26	0.25	4.84	4.83
11 Cowichan Valley	4.35	4.46	0.00	0.00	4.35	4.46
12 Dewdney-Alouette	3.28	3.44	0.12	0.11	3.40	3.56
13 East Kootenay	3.91	4.15	0.21	0.21	4.11	4.36
14 Fraser-Cheam	5.08	4.77	0.32	0.31	5.40	5.08
15 Fraser-Fort George	4.52	4.51	0.35	0.23	4.87	4.74
17 Kitimat-Stikine	2.81	2.79	0.26	0.25	3.06	3.04
18 Kootenay Boundary	4.69	5.67	0.00	0.00	4.69	5.67
19 Mount Waddington	2.82	2.83	0.00	0.00	2.82	2.83
20 Nanaimo	5.44	5.27	0.57	0.55	6.00	5.82
21 North Okanagan	4.09	4.24	0.36	0.53	4.45	4.77
22 Okanagan-Similkameen	4.68	4.94	0.32	0.48	5.01	5.42
23 Peace River	2.63	2.65	0.20	0.20	2.84	2.86
24 Powell River	5.50	4.90	0.00	0.00	5.50	4.90
25 Skeena-Queen Charlotte	3.93	4.35	0.00	0.00	3.93	4.35
26 Squamish-Lillooet	3.73	4.54	0.00	0.00	3.73	4.54
27 Stikine	12.63	12.77	0.00	0.00	12.63	12.77
28 Sunshine Coast	4.48	6.04	0.00	0.00	4.48	6.04
29 Thompson-Nicola	3.98	4.16	0.20	0.20	4.19	4.36
30 Fort Nelson/Liard	2.13	0.00	0.00	0.00	2.13	0.00
Metropolitan - Subtotal	**6.72**	**6.67**	**0.89**	**0.88**	**7.61**	**7.55**
3 Capital	5.97	5.95	0.85	0.79	6.82	6.74
16 Greater Vancouver	6.87	6.81	0.90	0.90	7.77	7.71
TOTAL	**5.62**	**5.62**	**0.62**	**0.61**	**6.24**	**6.23**

[1]Definitions are as in the attached text.
[2]The figures differ from the corresponding figures for 1989 appearing in ROLLCALL 89. See Foreword.

Prepared by:
Health Human Resources 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 1989 to December 1990

Regional Hospital District	Non-Specialist		Specialist		Total	
	Number[2]	Ratio[3]	Number[2]	Ratio[3]	Number[2]	Ratio[3]
Non-Metropolitan - Subtotal	**2.43**	**0.91**	**-2.29**	**-3.74**	**2.15**	**0.64**
1 Alberni-Clayoquot	-7.34	-8.20	*	*	-7.34	-8.20
2 Bulkley-Nechako	21.28	20.30	*	*	21.28	20.30
4 Cariboo	-6.72	-7.22	*	*	-8.99	-9.48
5 Central Coast	*	*	*	*	*	*
6 Central Fraser Valley	8.48	4.49	*	*	8.19	4.21
7 Central Kootenay	0.00	-1.19	*	*	0.00	-1.19
8 Central Okanagan	-3.35	-6.11	*	*	-4.31	-7.05
9 Columbia-Shuswap	0.00	-0.31	*	*	0.00	-0.31
10 Comox-Strathcona	2.28	-0.11	*	*	2.16	-0.23
11 Cowichan Valley	3.32	2.01	*	*	3.32	2.01
12 Dewdney-Alouette	8.79	3.94	*	*	8.48	3.64
13 East Kootenay	4.19	4.98	*	*	3.98	4.77
14 Fraser-Cheam	-2.51	-4.97	*	*	-2.36	-4.83
15 Fraser-Fort George	0.00	-0.23	*	*	-1.91	-2.14
17 Kitimat-Stikine	0.00	-0.58	*	*	0.00	-0.58
18 Kootenay Boundary	16.80	16.34	*	*	16.80	16.34
19 Mount Waddington	*	*	*	*	*	*
20 Nanaimo	0.00	-2.46	*	*	0.00	-2.46
21 North Okanagan	3.46	2.88	*	*	6.35	5.75
22 Okanagan-Similkameen	5.48	4.43	*	*	7.67	6.60
23 Peace River	0.00	0.57	*	*	0.00	0.57
24 Powell River	-8.08	-8.79	*	*	-8.08	-8.79
25 Skeena-Queen Charlotte	*	*	*	*	*	*
26 Squamish-Lillooet	*	*	*	*	*	*
27 Stikine	*	*	*	*	*	*
28 Sunshine Coast	*	*	*	*	*	*
29 Thompson-Nicola	4.08	3.45	*	*	3.88	3.26
30 Fort Nelson/Liard	*	*	*	*	*	*
Metropolitan - Subtotal	**1.79**	**-0.60**	**1.57**	**-0.82**	**1.76**	**-0.63**
3 Capital	1.89	-0.26	-3.35	-5.38	1.24	-0.89
16 Greater Vancouver	1.77	-0.67	2.47	0.01	1.85	-0.59
TOTAL	**2.00**	**-0.02**	**0.85**	**-1.14**	**1.89**	**-0.13**

[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.

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Health Human Resources Unit
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Table 4

Licensed Dentists[1] in British Columbia

by Regional Hospital District by Specialty

September 1989[2] and December 1990[3]

Regional Hospital District	Non-Specialist		Endodontics		Oral and Maxillofacial Surgery		Orthodontics		Pediatric Dentistry	
	1989	1990	1989	1990	1989	1990	1989	1990	1989	1990
Non-Metropolitan - Subtotal	**558**	**575**	**1**	**1**	**2**	**2**	**25**	**24**	**2**	**2**
1 Alberni-Clayoquot	11	10	0	0	0	0	0	0	0	0
2 Bulkley-Nechako	11	14	0	0	0	0	0	0	0	0
4 Cariboo	24	22	0	0	0	0	3	2	0	0
5 Central Coast	2	1	0	0	0	0	0	0	0	0
6 Central Fraser Valley	28	31	0	0	0	0	1	1	0	0
7 Central Kootenay	24	24	0	0	0	0	0	0	0	0
8 Central Okanagan	48	46	1	1	0	0	3	2	0	0
9 Columbia-Shuswap	15	15	0	0	0	0	1	1	0	0
10 Comox-Strathcona	35	36	0	0	0	0	2	2	0	0
11 Cowichan Valley	24	25	0	0	0	0	0	0	0	0
12 Dewdney-Alouette	27	30	0	0	0	0	1	1	0	0
13 East Kootenay	19	20	0	0	0	0	1	1	0	0
14 Fraser-Cheam	32	31	0	0	0	0	2	2	0	0
15 Fraser-Fort George	39	39	0	0	0	0	3	2	0	0
17 Kitimat-Stikine	11	11	0	0	0	0	1	1	0	0
18 Kootenay Boundary	14	17	0	0	0	0	0	0	0	0
19 Mount Waddington	4	4	0	0	0	0	0	0	0	0
20 Nanaimo	48	48	0	0	1	1	2	2	2	2
21 North Okanagan	23	24	0	0	1	1	1	2	0	0
22 Okanagan-Similkameen	29	31	0	0	0	0	2	3	0	0
23 Peace River	13	13	0	0	0	0	0	0	0	0
24 Powell River	10	9	0	0	0	0	0	0	0	0
25 Skeena-Queen Charlotte	9	10	0	0	0	0	0	0	0	0
26 Squamish-Lillooet	8	10	0	0	0	0	0	0	0	0
27 Stikine	2	2	0	0	0	0	0	0	0	0
28 Sunshine Coast	8	11	0	0	0	0	0	0	0	0
29 Thompson-Nicola	39	41	0	0	0	0	2	2	0	0
30 Fort Nelson/Liard	1	0	0	0	0	0	0	0	0	0
Metropolitan - Subtotal	**1,159**	**1,185**	**17**	**17**	**25**	**28**	**49**	**50**	**15**	**15**
3 Capital	169	173	3	3	5	5	10	9	1	1
16 Greater Vancouver	990	1,012	14	14	20	23	39	41	14	14
TOTAL	**1,717**	**1,760**	**18**	**18**	**27**	**30**	**74**	**74**	**17**	**17**

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

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... *continued*

Table 4
(Continued)

Licensed Dentists[1] in British Columbia

by Regional Hospital District by Specialty

September 1989[2] and December 1990[3]

Regional Hospital District	Periodontics		Prostho-dontics		Oral Pathology		Oral Radiology		Total	
	1989	1990	1989	1990	1989	1990	1989	1990	1989	1990
Non-Metropolitan - Subtotal	**2**	**2**	**3**	**3**	**0**	**0**	**0**	**0**	**593**	**609**
1 Alberni-Clayoquot	0	0	0	0	0	0	0	0	11	10
2 Bulkley-Nechako	0	0	0	0	0	0	0	0	11	14
4 Cariboo	0	0	0	0	0	0	0	0	27	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	29	32
7 Central Kootenay	0	0	0	0	0	0	0	0	24	24
8 Central Okanagan	2	2	2	2	0	0	0	0	56	53
9 Columbia-Shuswap	0	0	0	0	0	0	0	0	16	16
10 Comox-Strathcona	0	0	0	0	0	0	0	0	37	38
11 Cowichan Valley	0	0	0	0	0	0	0	0	24	25
12 Dewdney-Alouette	0	0	0	0	0	0	0	0	28	31
13 East Kootenay	0	0	0	0	0	0	0	0	20	21
14 Fraser-Cheam	0	0	0	0	0	0	0	0	34	33
15 Fraser-Fort George	0	0	0	0	0	0	0	0	42	41
17 Kitimat-Stikine	0	0	0	0	0	0	0	0	12	12
18 Kootenay Boundary	0	0	0	0	0	0	0	0	14	17
19 Mount Waddington	0	0	0	0	0	0	0	0	4	4
20 Nanaimo	0	0	0	0	0	0	0	0	53	53
21 North Okanagan	0	0	0	0	0	0	0	0	25	27
22 Okanagan-Similkameen	0	0	0	0	0	0	0	0	31	34
23 Peace River	0	0	1	1	0	0	0	0	14	14
24 Powell River	0	0	0	0	0	0	0	0	10	9
25 Skeena-Queen Charlotte	0	0	0	0	0	0	0	0	9	10
26 Squamish-Lillooet	0	0	0	0	0	0	0	0	8	10
27 Stikine	0	0	0	0	0	0	0	0	2	2
28 Sunshine Coast	0	0	0	0	0	0	0	0	8	11
29 Thompson-Nicola	0	0	0	0	0	0	0	0	41	43
30 Fort Nelson/Liard	0	0	0	0	0	0	0	0	1	0
Metropolitan - Subtotal	**21**	**21**	**24**	**23**	**1**	**1**	**1**	**1**	**1,312**	**1,341**
3 Capital	3	3	2	2	0	0	0	0	193	196
16 Greater Vancouver	18	18	22	21	1	1	1	1	1,119	1,145
TOTAL	**23**	**23**	**27**	**26**	**1**	**1**	**1**	**1**	**1,905**	**1,950**

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

Prepared by:
Health Human Resources Unit
The University of British Columbia

Table 5

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

in British Columbia by Regional Hospital District

September 1989 to December 1990

Regional Hospital District	1989[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]	1990[8]
Non-Metropolitan - Subtotal	593	12	11	0	4	27	8	17	-2	609
1 Alberni-Clayoquot	11	0	0	0	0	0	0	1	0	10
2 Bulkley-Nechako	11	0	1	0	0	1	0	1	3	14
4 Cariboo	27	1	1	0	0	2	0	1	-4	24
5 Central Coast	2	0	0	0	0	0	0	1	0	1
6 Central Fraser Valley	29	0	1	0	0	1	0	0	2	32
7 Central Kootenay	24	0	0	0	0	0	1	1	0	24
8 Central Okanagan	56	0	1	0	0	1	0	2	-2	53
9 Columbia-Shuswap	16	0	0	0	0	0	0	0	0	16
10 Comox-Strathcona	37	1	1	0	0	2	0	1	0	38
11 Cowichan Valley	24	1	0	0	0	1	0	1	1	25
12 Dewdney-Alouette	28	1	0	0	1	2	1	1	1	31
13 East Kootenay	20	0	0	0	1	1	0	0	0	21
14 Fraser-Cheam	34	0	1	0	0	1	1	1	-2	33
15 Fraser-Fort George	42	2	1	0	0	3	0	2	-2	41
17 Kitimat-Stikine	12	0	0	0	0	0	0	1	1	12
18 Kootenay Boundary	14	0	0	0	1	1	0	0	2	17
19 Mount Waddington	4	0	0	0	0	0	0	0	0	4
20 Nanaimo	53	0	0	0	0	0	2	1	-1	53
21 North Okanagan	25	1	1	0	0	2	0	1	1	27
22 Okanagan-Similkameen	31	0	2	0	0	2	1	0	0	34
23 Peace River	14	0	0	0	0	0	0	0	0	14
24 Powell River	10	0	0	0	0	0	0	0	-1	9
25 Skeena-Queen Charlotte	9	0	1	0	0	1	1	1	0	10
26 Squamish-Lillooet	8	1	0	0	0	1	0	0	1	10
27 Stikine	2	0	0	0	0	0	0	0	0	2
28 Sunshine Coast	8	1	0	0	0	1	0	0	2	11
29 Thompson-Nicola	41	3	0	0	1	4	1	0	-3	43
30 Fort Nelson/Liard	1	0	0	0	0	0	0	0	-1	0
Metropolitan - Subtotal	1,312	26	14	1	10	51	21	45	2	1,341
3 Capital	193	3	3	0	1	7	1	5	0	196
16 Greater Vancouver	1,119	23	11	1	9	44	20	40	2	1,145
TOTAL	1,905	38	25	1	14	78	29	62	0	1,950

[1]Definitions are as in the attached text.
[2]Dentists licensed in B.C. in December 1990 and who were registered for the first time after September 1989.
[3]Number of dentists as at September 1989.
[4]Other Canada.
[5]Dentists licensed in B.C. in December 1990 but not in September 1989 and who were registered for the first time before September 1989.
[6]Dentists licensed in B.C. in September 1989 but not in December 1990.
[7]Net effect of intraprovincial migration.
[8]Number of dentists as at December 1990.
Prepared by:
Health Human Resources Unit
The University of British Columbia

NURSES - LICENSED PRACTICAL

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. 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."[1]

Governing Statute: Nurses (Licensed Practical) Act, Revised Statutes of British Columbia, 1979, Chapter 300, administered by the Ministry of Health; Nursing Statutes Amendment Act, 1988, Chapter 51.

Governing Body: British Columbia Council of Licensed Practical Nurses (BCCLPN). Only persons licensed by the BCCLPN may use the titles: *Licensed Practical Nurse* or *LPN*.

Date of Record: September 1989 and September 1990.

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

Preparation and Updating:

The tables, derived from the register of the B.C. Council of Licensed Practical Nurses, include licensed practical nurses who were B.C. residents at the date of record.

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[1]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 1990 N=4758

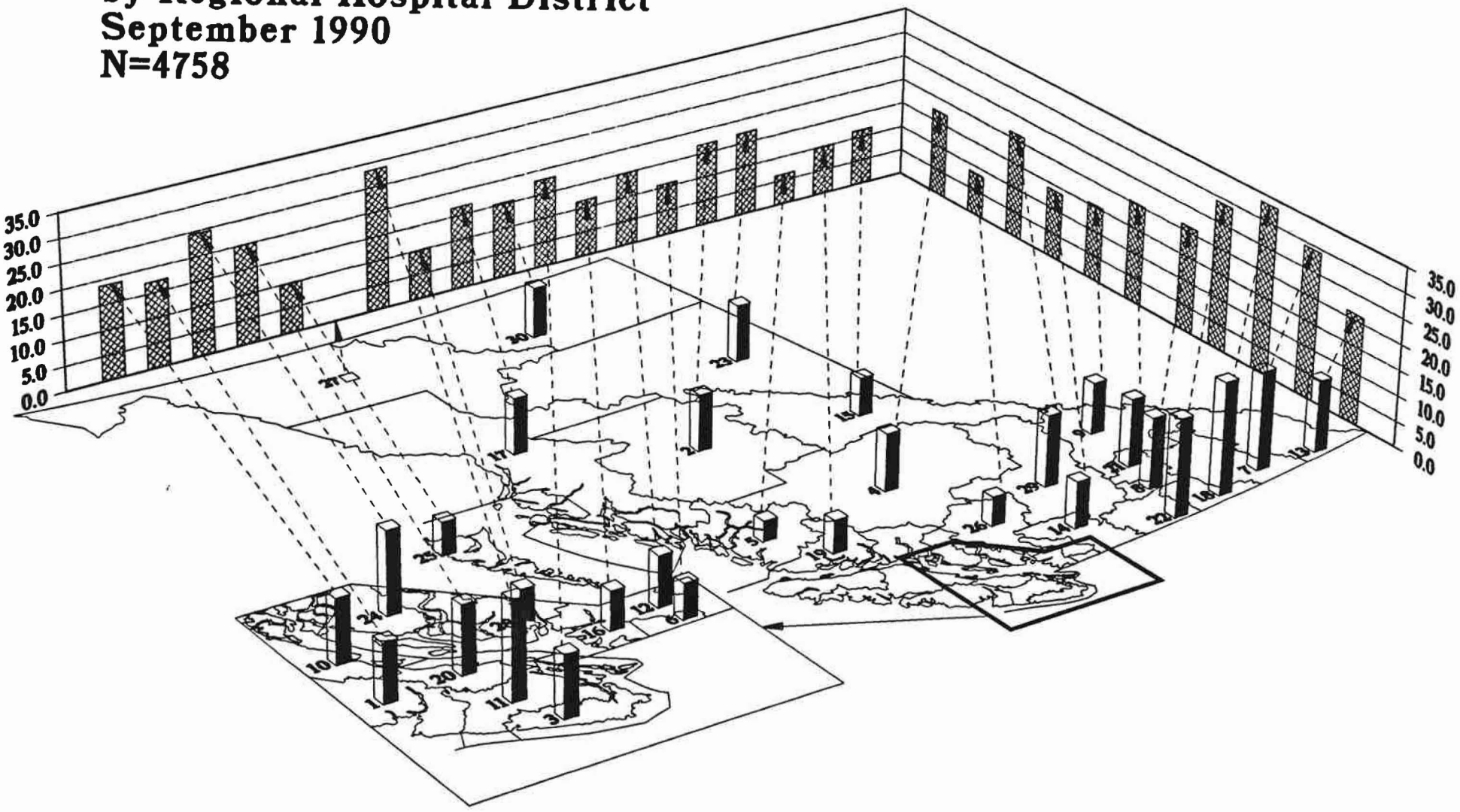

Table 1

Licensed Practical Nurses[1] in British Columbia

by Regional Hospital District by Employment Status

September 1990

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	**1,744**	**774**	**2,519**	**313**	**464**	**34**	**3,330**
1 Alberni-Clayoquot	37	15	52	11	10	1	74
2 Bulkley-Nechako	44	19	63	11	11	0	85
4 Cariboo	65	36	101	12	20	1	134
5 Central Coast	2	0	2	0	0	0	2
6 Central Fraser Valley	60	29	89	11	18	1	119
7 Central Kootenay	98	46	144	16	23	3	186
8 Central Okanagan	151	63	214	22	44	2	282
9 Columbia-Shuswap	44	17	61	9	14	1	85
10 Comox-Strathcona	106	42	148	21	26	3	198
11 Cowichan Valley	106	53	160	17	37	1	215
12 Dewdney-Alouette	85	46	131	11	20	0	162
13 East Kootenay	73	29	102	11	23	2	138
14 Fraser-Cheam	70	20	90	9	19	1	119
15 Fraser-Fort George	62	37	99	22	27	2	150
17 Kitimat-Stikine	47	19	66	9	3	2	80
18 Kootenay Boundary	74	26	100	9	16	1	126
19 Mount Waddington	10	4	14	6	4	0	24
20 Nanaimo	119	63	182	29	46	2	259
21 North Okanagan	82	32	114	15	19	3	151
22 Okanagan-Similkameen	129	53	182	10	17	5	214
23 Peace River	57	27	84	9	16	1	110
24 Powell River	34	11	45	8	8	0	61
25 Skeena-Queen Charlotte	17	6	23	5	3	0	31
26 Squamish-Lillooet	13	6	19	4	7	0	30
27 Stikine	0	0	0	1	2	0	3
28 Sunshine Coast	13	5	18	3	3	1	25
29 Thompson-Nicola	141	68	209	22	27	1	259
30 Fort Nelson/Liard	5	2	7	0	1	0	8
Metropolitan - Subtotal	**1,751**	**486**	**2,239**	**273**	**325**	**31**	**2,868**
3 Capital	415	107	523	63	95	4	685
16 Greater Vancouver	1,336	379	1,716	210	230	27	2,183
TOTAL	**3,495**	**1,260**	**4,758**	**586**	**789**	**65**	**6,198**

[1]Definitions are as in the attached text.
[2]Includes 3 LPNs who have indicated employment in nursing but did not specify regular or casual employment.

Prepared by:
Health Human Resources Unit
The University of British Columbia

Table 2

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

by Regional Hospital District

September 1989 and September 1990

Regional Hospital District	Number 1989[2]	Number 1990	Number per 10,000 Population 1989[2]	Number per 10,000 Population 1990	Average Annual Rate of Change Number[3]	Average Annual Rate of Change Ratio[4]
Non-Metropolitan - Subtotal	**2,352**	**2,519**	**17.69**	**18.60**	**7.10**	**5.12**
1 Alberni-Clayoquot	56	52	18.70	17.16	-7.14	-8.22
2 Bulkley-Nechako	52	63	14.04	16.84	21.15	19.94
4 Cariboo	89	101	15.27	17.21	13.48	12.73
5 Central Coast	2	2	6.27	6.28	*	*
6 Central Fraser Valley	56	89	7.04	10.68	58.93	51.64
7 Central Kootenay	156	144	32.16	29.24	-7.69	-9.06
8 Central Okanagan	200	214	20.46	21.11	7.00	3.19
9 Columbia-Shuswap	56	61	14.12	15.33	8.93	8.51
10 Comox-Strathcona	69	148	9.03	18.80	114.49	108.26
11 Cowichan Valley	164	160	29.71	28.53	-2.44	-3.99
12 Dewdney-Alouette	129	131	15.67	15.03	1.55	-4.08
13 East Kootenay	64	102	13.16	21.17	59.38	60.88
14 Fraser-Cheam	53	90	8.42	13.85	69.81	64.47
15 Fraser-Fort George	97	99	11.25	11.44	2.06	1.77
17 Kitimat-Stikine	60	66	15.31	16.72	10.00	9.20
18 Kootenay Boundary	125	100	41.91	33.36	-20.00	-20.40
19 Mount Waddington	10	14	7.04	9.90	40.00	40.56
20 Nanaimo	215	182	24.35	19.98	-15.35	-17.94
21 North Okanagan	120	114	21.36	20.15	-5.00	-5.67
22 Okanagan-Similkameen	164	182	26.49	29.03	10.98	9.59
23 Peace River	77	84	15.61	17.15	9.09	9.87
24 Powell River	42	45	23.10	24.51	7.14	6.12
25 Skeena-Queen Charlotte	21	23	9.17	10.02	9.52	9.22
26 Squamish-Lillooet	20	19	9.33	8.63	-5.00	-7.56
27 Stikine	0	0	0.00	0.00	*	*
28 Sunshine Coast	21	18	11.75	9.88	-14.29	-15.89
29 Thompson-Nicola	228	209	23.29	21.19	-8.33	-9.03
30 Fort Nelson/Liard	6	7	12.80	15.25	*	*
Metropolitan - Subtotal	**2,232**	**2,239**	**12.95**	**12.61**	**0.31**	**-2.63**
3 Capital	632	523	22.33	17.99	-17.25	-19.42
16 Greater Vancouver	1,600	1,716	11.10	11.55	7.25	4.04
TOTAL	**4,584**	**4,758**	**15.01**	**15.20**	**3.80**	**1.24**

[1]Definitions are as in the attached text.
[2]The figures differ from the corresponding figures appearing in ROLLCALL 89. See Foreword.
[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 Human Resources 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 1990

Regional Hospital District	Acute Care Hospital	Activation/ Rehab. Hospital	Extended Care Hospital	Long Term Care Facility	Psychiatric Hospital	Institutional Care Subtotal
Non-Metropolitan - Subtotal	**1,662**	**17**	**447**	**180**	**4**	**2,310**
1 Alberni-Clayoquot	39	0	4	6	0	49
2 Bulkley-Nechako	50	0	1	3	0	54
4 Cariboo	73	1	15	3	0	92
5 Central Coast	2	0	0	0	0	2
6 Central Fraser Valley	67	0	3	9	1	80
7 Central Kootenay	85	1	34	10	0	130
8 Central Okanagan	98	3	80	12	0	193
9 Columbia-Shuswap	54	0	5	0	0	59
10 Comox-Strathcona	90	0	24	20	0	134
11 Cowichan Valley	52	4	72	21	0	149
12 Dewdney-Alouette	98	2	16	7	2	125
13 East Kootenay	71	0	15	7	0	93
14 Fraser-Cheam	77	1	4	4	0	86
15 Fraser-Fort George	72	1	5	8	0	86
17 Kitimat-Stikine	57	0	2	0	0	59
18 Kootenay Boundary	67	0	22	6	0	95
19 Mount Waddington	10	0	1	0	0	11
20 Nanaimo	122	3	26	15	0	166
21 North Okanagan	50	0	48	8	0	106
22 Okanagan-Similkameen	134	1	32	8	1	176
23 Peace River	57	0	8	9	0	74
24 Powell River	23	0	12	9	0	44
25 Skeena-Queen Charlotte	19	0	0	1	0	20
26 Squamish-Lillooet	13	0	1	1	0	15
27 Stikine	0	0	0	0	0	0
28 Sunshine Coast	16	0	2	0	0	18
29 Thompson-Nicola	161	0	15	13	0	189
30 Fort Nelson/Liard	5	0	0	0	0	5
Metropolitan - Subtotal	**1,217**	**159**	**273**	**283**	**18**	**1,950**
3 Capital	174	78	131	71	3	457
16 Greater Vancouver	1,043	81	142	212	15	1,493
TOTAL	**2,879**	**176**	**720**	**463**	**22**	**4,260**

[1]Definitions are as in the attached text.

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... *continued*

Table 3
(Continued)

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

by Regional Hospital District by Place of Employment

September 1990

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	**36**	**11**	**71**	**6**	**8**	**77**	**2,519**
1 Alberni-Clayoquot	1	1	0	0	0	1	52
2 Bulkley-Nechako	0	0	7	1	0	1	63
4 Cariboo	2	0	1	0	0	6	101
5 Central Coast	0	0	0	0	0	0	2
6 Central Fraser Valley	1	0	1	1	1	5	89
7 Central Kootenay	1	1	8	0	0	4	144
8 Central Okanagan	6	1	3	2	0	9	214
9 Columbia-Shuswap	0	0	0	0	0	2	61
10 Comox-Strathcona	4	1	3	0	1	5	148
11 Cowichan Valley	0	1	3	0	1	6	160
12 Dewdney-Alouette	3	2	1	0	0	0	131
13 East Kootenay	0	0	6	0	0	3	102
14 Fraser-Cheam	0	0	1	0	0	3	90
15 Fraser-Fort George	2	1	6	0	1	3	99
17 Kitimat-Stikine	1	0	3	1	0	2	66
18 Kootenay Boundary	1	1	1	0	0	2	100
19 Mount Waddington	2	0	0	0	0	1	14
20 Nanaimo	5	0	6	0	0	5	182
21 North Okanagan	3	2	1	0	0	2	114
22 Okanagan-Similkameen	1	0	2	0	0	3	182
23 Peace River	0	0	6	1	0	3	84
24 Powell River	0	0	0	0	0	1	45
25 Skeena-Queen Charlotte	1	0	0	0	1	1	23
26 Squamish-Lillooet	0	0	3	0	1	0	19
27 Stikine	0	0	0	0	0	0	0
28 Sunshine Coast	0	0	0	0	0	0	18
29 Thompson-Nicola	2	0	9	0	2	7	209
30 Fort Nelson/Liard	0	0	0	0	0	2	7
Metropolitan - Subtotal	**52**	**32**	**64**	**17**	**14**	**110**	**2,239**
3 Capital	19	3	17	1	4	22	523
16 Greater Vancouver	33	29	47	16	10	88	1,716
TOTAL	**88**	**43**	**135**	**23**	**22**	**187**	**4,758**

[1]Definitions are as in the attached text.
[2]Includes 65 LPNs who did not provide this information.

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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 1990

Regional Hospital District	Acute Care Hospital	Activation/ Rehab. Hospital	Extended Care Hospital	Long Term Care Facility	Psychiatric Hospital	Institutional Care Subtotal
Non-Metropolitan - Subtotal	**12.27**	**0.13**	**3.30**	**1.33**	**0.03**	**17.06**
1 Alberni-Clayoquot	12.87	0.00	1.32	1.98	0.00	16.17
2 Bulkley-Nechako	13.37	0.00	0.27	0.80	0.00	14.44
4 Cariboo	12.44	0.17	2.56	0.51	0.00	15.68
5 Central Coast	6.28	0.00	0.00	0.00	0.00	6.28
6 Central Fraser Valley	8.04	0.00	0.36	1.08	0.12	9.60
7 Central Kootenay	17.26	0.20	6.90	2.03	0.00	26.40
8 Central Okanagan	9.67	0.30	7.89	1.18	0.00	19.04
9 Columbia-Shuswap	13.57	0.00	1.26	0.00	0.00	14.82
10 Comox-Strathcona	11.44	0.00	3.05	2.54	0.00	17.03
11 Cowichan Valley	9.27	0.71	12.84	3.74	0.00	26.57
12 Dewdney-Alouette	11.24	0.23	1.84	0.80	0.23	14.34
13 East Kootenay	14.73	0.00	3.11	1.45	0.00	19.30
14 Fraser-Cheam	11.85	0.15	0.62	0.62	0.00	13.23
15 Fraser-Fort George	8.32	0.12	0.58	0.92	0.00	9.94
17 Kitimat-Stikine	14.44	0.00	0.51	0.00	0.00	14.94
18 Kootenay Boundary	22.35	0.00	7.34	2.00	0.00	31.69
19 Mount Waddington	7.07	0.00	0.71	0.00	0.00	7.78
20 Nanaimo	13.39	0.33	2.85	1.65	0.00	18.22
21 North Okanagan	8.84	0.00	8.48	1.41	0.00	18.73
22 Okanagan-Similkameen	21.37	0.16	5.10	1.28	0.16	28.07
23 Peace River	11.63	0.00	1.63	1.84	0.00	15.10
24 Powell River	12.53	0.00	6.54	4.90	0.00	23.96
25 Skeena-Queen Charlotte	8.27	0.00	0.00	0.44	0.00	8.71
26 Squamish-Lillooet	5.90	0.00	0.45	0.45	0.00	6.81
27 Stikine	0.00	0.00	0.00	0.00	0.00	0.00
28 Sunshine Coast	8.79	0.00	1.10	0.00	0.00	9.88
29 Thompson-Nicola	16.32	0.00	1.52	1.32	0.00	19.16
30 Fort Nelson/Liard	10.89	0.00	0.00	0.00	0.00	10.89
Metropolitan - Subtotal	**6.85**	**0.90**	**1.54**	**1.59**	**0.10**	**10.98**
3 Capital	5.99	2.68	4.51	2.44	0.10	15.72
16 Greater Vancouver	7.02	0.55	0.96	1.43	0.10	10.05
TOTAL	**9.20**	**0.56**	**2.30**	**1.48**	**0.07**	**13.61**

[1]Definitions are as in the attached text.

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... *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 1990

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	**0.27**	**0.08**	**0.52**	**0.04**	**0.06**	**0.57**	**18.60**
1 Alberni-Clayoquot	0.33	0.33	0.00	0.00	0.00	0.33	17.16
2 Bulkley-Nechako	0.00	0.00	1.87	0.27	0.00	0.27	16.84
4 Cariboo	0.34	0.00	0.17	0.00	0.00	1.02	17.21
5 Central Coast	0.00	0.00	0.00	0.00	0.00	0.00	6.28
6 Central Fraser Valley	0.12	0.00	0.12	0.12	0.12	0.60	10.68
7 Central Kootenay	0.20	0.20	1.62	0.00	0.00	0.81	29.24
8 Central Okanagan	0.59	0.10	0.30	0.20	0.00	0.89	21.11
9 Columbia-Shuswap	0.00	0.00	0.00	0.00	0.00	0.50	15.33
10 Comox-Strathcona	0.51	0.13	0.38	0.00	0.13	0.64	18.80
11 Cowichan Valley	0.00	0.18	0.53	0.00	0.18	1.07	28.53
12 Dewdney-Alouette	0.34	0.23	0.11	0.00	0.00	0.00	15.03
13 East Kootenay	0.00	0.00	1.25	0.00	0.00	0.62	21.17
14 Fraser-Cheam	0.00	0.00	0.15	0.00	0.00	0.46	13.85
15 Fraser-Fort George	0.23	0.12	0.69	0.00	0.12	0.35	11.44
17 Kitimat-Stikine	0.25	0.00	0.76	0.25	0.00	0.51	16.72
18 Kootenay Boundary	0.33	0.33	0.33	0.00	0.00	0.67	33.36
19 Mount Waddington	1.41	0.00	0.00	0.00	0.00	0.71	9.90
20 Nanaimo	0.55	0.00	0.66	0.00	0.00	0.55	19.98
21 North Okanagan	0.53	0.35	0.18	0.00	0.00	0.35	20.15
22 Okanagan-Similkameen	0.16	0.00	0.32	0.00	0.00	0.48	29.03
23 Peace River	0.00	0.00	1.22	0.20	0.00	0.61	17.15
24 Powell River	0.00	0.00	0.00	0.00	0.00	0.54	24.51
25 Skeena-Queen Charlotte	0.44	0.00	0.00	0.00	0.44	0.44	10.02
26 Squamish-Lillooet	0.00	0.00	1.36	0.00	0.45	0.00	8.63
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	9.88
29 Thompson-Nicola	0.20	0.00	0.91	0.00	0.20	0.71	21.19
30 Fort Nelson/Liard	0.00	0.00	0.00	0.00	0.00	4.36	15.25
Metropolitan - Subtotal	**0.29**	**0.18**	**0.36**	**0.10**	**0.08**	**0.62**	**12.61**
3 Capital	0.65	0.10	0.58	0.03	0.14	0.76	17.99
16 Greater Vancouver	0.22	0.20	0.32	0.11	0.07	0.59	11.55
TOTAL	**0.28**	**0.14**	**0.43**	**0.07**	**0.07**	**0.60**	**15.20**

[1]Definitions are as in the attached text.
[2]Includes 65 LPNs who did not provide this information (see Table 3).

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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 1990

Regional Hospital District	Medical/ Surgical General	Medical/ Surgical Specialties	Maternal/ Newborn	Psychiatric	Paediatric	Geriatric
Non-Metropolitan - Subtotal	**995**	**68**	**55**	**33**	**68**	**664**
1 Alberni-Clayoquot	16	1	0	2	0	17
2 Bulkley-Nechako	29	0	1	0	0	4
4 Cariboo	40	6	2	0	3	16
5 Central Coast	2	0	0	0	0	0
6 Central Fraser Valley	54	1	1	4	1	11
7 Central Kootenay	41	3	0	1	0	49
8 Central Okanagan	72	4	4	3	2	95
9 Columbia-Shuswap	25	0	0	0	0	11
10 Comox-Strathcona	58	5	1	2	0	52
11 Cowichan Valley	32	1	0	2	4	87
12 Dewdney-Alouette	52	3	9	8	2	26
13 East Kootenay	48	2	1	0	0	23
14 Fraser-Cheam	44	1	2	0	2	13
15 Fraser-Fort George	36	5	11	2	5	13
17 Kitimat-Stikine	33	6	6	1	5	2
18 Kootenay Boundary	43	2	0	1	4	30
19 Mount Waddington	7	0	0	0	0	1
20 Nanaimo	76	6	2	2	4	43
21 North Okanagan	24	1	1	3	7	54
22 Okanagan-Similkameen	80	9	2	0	5	43
23 Peace River	37	3	3	1	3	14
24 Powell River	16	1	0	1	0	22
25 Skeena-Queen Charlotte	10	0	1	0	6	2
26 Squamish-Lillooet	5	0	0	0	0	2
27 Stikine	0	0	0	0	0	0
28 Sunshine Coast	9	0	0	0	1	1
29 Thompson-Nicola	104	8	8	0	14	33
30 Fort Nelson/Liard	2	0	0	0	0	0
Metropolitan - Subtotal	**739**	**141**	**67**	**39**	**51**	**617**
3 Capital	102	42	0	2	1	227
16 Greater Vancouver	637	99	67	37	50	390
TOTAL	**1,734**	**209**	**122**	**72**	**119**	**1,281**

[1]Definitions are as in the attached text.

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... *continued*

Table 5
(Continued)

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

by Regional Hospital District by Field of Practice

September 1990

Regional Hospital District	Generalized Practice	Teaching	Administration	Other	Unknown	Total
Non-Metropolitan - Subtotal	**349**	**7**	**3**	**51**	**226**	**2,519**
1 Alberni-Clayoquot	12	1	0	1	2	52
2 Bulkley-Nechako	20	0	0	1	8	63
4 Cariboo	17	0	0	1	16	101
5 Central Coast	0	0	0	0	0	2
6 Central Fraser Valley	8	1	0	1	7	89
7 Central Kootenay	33	0	0	1	16	144
8 Central Okanagan	5	2	0	9	18	214
9 Columbia-Shuswap	17	1	0	0	7	61
10 Comox-Strathcona	17	0	0	0	13	148
11 Cowichan Valley	12	0	0	7	15	160
12 Dewdney-Alouette	17	0	0	2	12	131
13 East Kootenay	16	0	0	2	10	102
14 Fraser-Cheam	16	0	0	4	8	90
15 Fraser-Fort George	10	1	0	4	12	99
17 Kitimat-Stikine	7	1	0	0	5	66
18 Kootenay Boundary	12	0	0	3	5	100
19 Mount Waddington	5	0	0	0	1	14
20 Nanaimo	27	0	0	7	15	182
21 North Okanagan	12	0	2	0	10	114
22 Okanagan-Similkameen	30	0	1	3	9	182
23 Peace River	15	0	0	0	8	84
24 Powell River	3	0	0	0	2	45
25 Skeena-Queen Charlotte	2	0	0	1	1	23
26 Squamish-Lillooet	9	0	0	0	3	19
27 Stikine	0	0	0	0	0	0
28 Sunshine Coast	6	0	0	1	0	18
29 Thompson-Nicola	17	0	0	3	22	209
30 Fort Nelson/Liard	4	0	0	0	1	7
Metropolitan - Subtotal	**156**	**8**	**24**	**144**	**253**	**2,239**
3 Capital	23	2	10	59	55	523
16 Greater Vancouver	133	6	14	85	198	1,716
TOTAL	**505**	**15**	**27**	**195**	**479**	**4,758**

[1]Definitions are as in the attached text.

Prepared by:
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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 1990

Regional Hospital District	Medical/ Surgical General	Medical/ Surgical Specialties	Maternal/ Newborn	Psychiatric	Paediatric	Geriatric
Non-Metropolitan - Subtotal	**7.35**	**0.50**	**0.41**	**0.24**	**0.50**	**4.90**
1 Alberni-Clayoquot	5.28	0.33	0.00	0.66	0.00	5.61
2 Bulkley-Nechako	7.75	0.00	0.27	0.00	0.00	1.07
4 Cariboo	6.82	1.02	0.34	0.00	0.51	2.73
5 Central Coast	6.28	0.00	0.00	0.00	0.00	0.00
6 Central Fraser Valley	6.48	0.12	0.12	0.48	0.12	1.32
7 Central Kootenay	8.33	0.61	0.00	0.20	0.00	9.95
8 Central Okanagan	7.10	0.39	0.39	0.30	0.20	9.37
9 Columbia-Shuswap	6.28	0.00	0.00	0.00	0.00	2.76
10 Comox-Strathcona	7.37	0.64	0.13	0.25	0.00	6.61
11 Cowichan Valley	5.71	0.18	0.00	0.36	0.71	15.51
12 Dewdney-Alouette	5.97	0.34	1.03	0.92	0.23	2.98
13 East Kootenay	9.96	0.42	0.21	0.00	0.00	4.77
14 Fraser-Cheam	6.77	0.15	0.31	0.00	0.31	2.00
15 Fraser-Fort George	4.16	0.58	1.27	0.23	0.58	1.50
17 Kitimat-Stikine	8.36	1.52	1.52	0.25	1.27	0.51
18 Kootenay Boundary	14.35	0.67	0.00	0.33	1.33	10.01
19 Mount Waddington	4.95	0.00	0.00	0.00	0.00	0.71
20 Nanaimo	8.34	0.66	0.22	0.22	0.44	4.72
21 North Okanagan	4.24	0.18	0.18	0.53	1.24	9.54
22 Okanagan-Similkameen	12.76	1.44	0.32	0.00	0.80	6.86
23 Peace River	7.55	0.61	0.61	0.20	0.61	2.86
24 Powell River	8.71	0.54	0.00	0.54	0.00	11.98
25 Skeena-Queen Charlotte	4.35	0.00	0.44	0.00	2.61	0.87
26 Squamish-Lillooet	2.27	0.00	0.00	0.00	0.00	0.91
27 Stikine	0.00	0.00	0.00	0.00	0.00	0.00
28 Sunshine Coast	4.94	0.00	0.00	0.00	0.55	0.55
29 Thompson-Nicola	10.54	0.81	0.81	0.00	1.42	3.35
30 Fort Nelson/Liard	4.36	0.00	0.00	0.00	0.00	0.00
Metropolitan - Subtotal	**4.16**	**0.79**	**0.38**	**0.22**	**0.29**	**3.47**
3 Capital	3.51	1.44	0.00	0.07	0.03	7.81
16 Greater Vancouver	4.29	0.67	0.45	0.25	0.34	2.63
TOTAL	**5.54**	**0.67**	**0.39**	**0.23**	**0.38**	**4.09**

[1]Definitions are as in the attached text.

Prepared by:
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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 1990

Regional Hospital District	Generalized Practice	Teaching	Administration	Other	Unknown	Total
Non-Metropolitan - Subtotal	**2.58**	**0.05**	**0.02**	**0.38**	**1.67**	**18.60**
1 Alberni-Clayoquot	3.96	0.33	0.00	0.33	0.66	17.16
2 Bulkley-Nechako	5.35	0.00	0.00	0.27	2.14	16.84
4 Cariboo	2.90	0.00	0.00	0.17	2.73	17.21
5 Central Coast	0.00	0.00	0.00	0.00	0.00	6.28
6 Central Fraser Valley	0.96	0.12	0.00	0.12	0.84	10.68
7 Central Kootenay	6.70	0.00	0.00	0.20	3.25	29.24
8 Central Okanagan	0.49	0.20	0.00	0.89	1.78	21.11
9 Columbia-Shuswap	4.27	0.25	0.00	0.00	1.76	15.33
10 Comox-Strathcona	2.16	0.00	0.00	0.00	1.65	18.80
11 Cowichan Valley	2.14	0.00	0.00	1.25	2.67	28.53
12 Dewdney-Alouette	1.95	0.00	0.00	0.23	1.38	15.03
13 East Kootenay	3.32	0.00	0.00	0.42	2.08	21.17
14 Fraser-Cheam	2.46	0.00	0.00	0.62	1.23	13.85
15 Fraser-Fort George	1.16	0.12	0.00	0.46	1.39	11.44
17 Kitimat-Stikine	1.77	0.25	0.00	0.00	1.27	16.72
18 Kootenay Boundary	4.00	0.00	0.00	1.00	1.67	33.36
19 Mount Waddington	3.54	0.00	0.00	0.00	0.71	9.90
20 Nanaimo	2.96	0.00	0.00	0.77	1.65	19.98
21 North Okanagan	2.12	0.00	0.35	0.00	1.77	20.15
22 Okanagan-Similkameen	4.78	0.00	0.16	0.48	1.44	29.03
23 Peace River	3.06	0.00	0.00	0.00	1.63	17.15
24 Powell River	1.63	0.00	0.00	0.00	1.09	24.51
25 Skeena-Queen Charlotte	0.87	0.00	0.00	0.44	0.44	10.02
26 Squamish-Lillooet	4.09	0.00	0.00	0.00	1.36	8.63
27 Stikine	0.00	0.00	0.00	0.00	0.00	0.00
28 Sunshine Coast	3.29	0.00	0.00	0.55	0.00	9.88
29 Thompson-Nicola	1.72	0.00	0.00	0.30	2.23	21.19
30 Fort Nelson/Liard	8.71	0.00	0.00	0.00	2.18	15.25
Metropolitan - Subtotal	**0.88**	**0.05**	**0.14**	**0.81**	**1.42**	**12.61**
3 Capital	0.79	0.07	0.34	2.03	1.89	17.99
16 Greater Vancouver	0.90	0.04	0.09	0.57	1.33	11.55
TOTAL	**1.61**	**0.05**	**0.09**	**0.62**	**1.53**	**15.20**

[1]Definitions are as in the attached text.

Prepared by:
Health Human Resources 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 1990

Regional Hospital District	LPN	Long Term Care Aide	Unit Clerk	Other	Unknown	Total
Non-Metropolitan - Subtotal	**1,981**	**250**	**33**	**207**	**48**	**2,519**
1 Alberni-Clayoquot	40	7	0	4	1	52
2 Bulkley-Nechako	49	6	0	7	1	63
4 Cariboo	76	12	0	7	6	101
5 Central Coast	2	0	0	0	0	2
6 Central Fraser Valley	71	8	2	7	1	89
7 Central Kootenay	113	19	0	9	3	144
8 Central Okanagan	174	9	3	20	8	214
9 Columbia-Shuswap	50	3	2	3	3	61
10 Comox-Strathcona	103	33	0	11	1	148
11 Cowichan Valley	146	4	0	6	4	160
12 Dewdney-Alouette	99	16	0	16	0	131
13 East Kootenay	71	19	0	10	2	102
14 Fraser-Cheam	76	5	0	9	0	90
15 Fraser-Fort George	72	13	0	12	2	99
17 Kitimat-Stikine	58	2	1	4	1	66
18 Kootenay Boundary	83	10	0	5	2	100
19 Mount Waddington	6	6	0	2	0	14
20 Nanaimo	131	35	0	13	3	182
21 North Okanagan	90	4	4	14	2	114
22 Okanagan-Similkameen	144	13	13	10	2	182
23 Peace River	72	3	0	8	1	84
24 Powell River	41	0	0	4	0	45
25 Skeena-Queen Charlotte	19	1	0	3	0	23
26 Squamish-Lillooet	17	1	0	0	1	19
27 Stikine	0	0	0	0	0	0
28 Sunshine Coast	14	1	0	3	0	18
29 Thompson-Nicola	158	20	8	20	3	209
30 Fort Nelson/Liard	6	0	0	0	1	7
Metropolitan - Subtotal	**1,701**	**162**	**51**	**269**	**56**	**2,239**
3 Capital	390	48	12	57	16	523
16 Greater Vancouver	1,311	114	39	212	40	1,716
TOTAL	**3,682**	**412**	**84**	**476**	**104**	**4,758**

[1]Definitions are as in the attached text.

Prepared by:
Health Human Resources 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 1990

Regional Hospital District	LPN	Long Term Care Aide	Unit Clerk	Other	Unknown	Total
Non-Metropolitan - Subtotal	**14.63**	**1.85**	**0.24**	**1.53**	**0.35**	**18.60**
1 Alberni-Clayoquot	13.20	2.31	0.00	1.32	0.33	17.16
2 Bulkley-Nechako	13.10	1.60	0.00	1.87	0.27	16.84
4 Cariboo	12.95	2.04	0.00	1.19	1.02	17.21
5 Central Coast	6.28	0.00	0.00	0.00	0.00	6.28
6 Central Fraser Valley	8.52	0.96	0.24	0.84	0.12	10.68
7 Central Kootenay	22.95	3.86	0.00	1.83	0.61	29.24
8 Central Okanagan	17.16	0.89	0.30	1.97	0.79	21.11
9 Columbia-Shuswap	12.56	0.75	0.50	0.75	0.75	15.33
10 Comox-Strathcona	13.09	4.19	0.00	1.40	0.13	18.80
11 Cowichan Valley	26.03	0.71	0.00	1.07	0.71	28.53
12 Dewdney-Alouette	11.36	1.84	0.00	1.84	0.00	15.03
13 East Kootenay	14.73	3.94	0.00	2.08	0.42	21.17
14 Fraser-Cheam	11.69	0.77	0.00	1.38	0.00	13.85
15 Fraser-Fort George	8.32	1.50	0.00	1.39	0.23	11.44
17 Kitimat-Stikine	14.69	0.51	0.25	1.01	0.25	16.72
18 Kootenay Boundary	27.69	3.34	0.00	1.67	0.67	33.36
19 Mount Waddington	4.24	4.24	0.00	1.41	0.00	9.90
20 Nanaimo	14.38	3.84	0.00	1.43	0.33	19.98
21 North Okanagan	15.90	0.71	0.71	2.47	0.35	20.15
22 Okanagan-Similkameen	22.97	2.07	2.07	1.59	0.32	29.03
23 Peace River	14.70	0.61	0.00	1.63	0.20	17.15
24 Powell River	22.33	0.00	0.00	2.18	0.00	24.51
25 Skeena-Queen Charlotte	8.27	0.44	0.00	1.31	0.00	10.02
26 Squamish-Lillooet	7.72	0.45	0.00	0.00	0.45	8.63
27 Stikine	0.00	0.00	0.00	0.00	0.00	0.00
28 Sunshine Coast	7.69	0.55	0.00	1.65	0.00	9.88
29 Thompson-Nicola	16.02	2.03	0.81	2.03	0.30	21.19
30 Fort Nelson/Liard	13.07	0.00	0.00	0.00	2.18	15.25
Metropolitan - Subtotal	**9.58**	**0.91**	**0.29**	**1.51**	**0.32**	**12.61**
3 Capital	13.42	1.65	0.41	1.96	0.55	17.99
16 Greater Vancouver	8.83	0.77	0.26	1.43	0.27	11.55
TOTAL	**11.76**	**1.32**	**0.27**	**1.52**	**0.33**	**15.20**

[1]Definitions are as in the attached text.

Prepared by:
Health Human Resources Unit
The University of British Columbia

NURSES - REGISTERED

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; Nursing Statutes Amendment Act, 1988, Chapter 51.

Governing Body: Registered Nurses Association of British Columbia (RNABC). In order to practise as a Registered Nurse or as a Licensed Graduate Nurse in B.C., it is necessary to be registered by the RNABC. Members of the RNABC have exclusive use of the titles: *Registered Nurse*, *RN*, or *Licensed Graduate Nurse*, *LGN*.

Date of Record: June 1989 and June 1990.

Source of Data: Registered Nurses Association of British Columbia.

Preparation and Updating:

The tables, derived from the register of the RNABC, include only Registered Nurses (RNs) who were B.C. residents at the date of record. No data are presented which include any Licensed Graduate Nurses. The RNABC reports that in June 1990 there were 465 practising Licensed Graduate Nurses and 21 non-practising Licensed Graduate Nurses registered with that organization.

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[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. Membership Status

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

2. Employment Status

Total numbers of non-practising and practising Registered Nurses, as well as employment status for the latter, are shown in Tables 1 and 2. Table 3 describes average annual rates of change for all Registered Nurses.

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:

1. Direct Patient Care

   (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

2. Administration

   (a) Nursing Education Administration
   (b) Nursing Services Administration
   (c) Other Administration

3. Teaching

   (a) Teaching - Students
   (b) Teaching - Employees
   (c) Teaching - Patients/Clients
   (d) Teaching - Other Education

4. 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 practising Registered Nurses from 1989 to 1990.

New registrants include all nurses who were practising members as of June 1990 and who registered with the RNABC *for the first time* subsequent to June 1989. 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 1989 but were practising members in B.C. in June 1990, and whose date of initial registration was before July 1989.

Attrition (Attr'n) describes those Registered Nurses who were included in the 1989 Registered Nurse stock, but who, because of death, retirement, out-of-province relocation or non-renewal of registration, were not included in the 1990 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 1990 N=24716

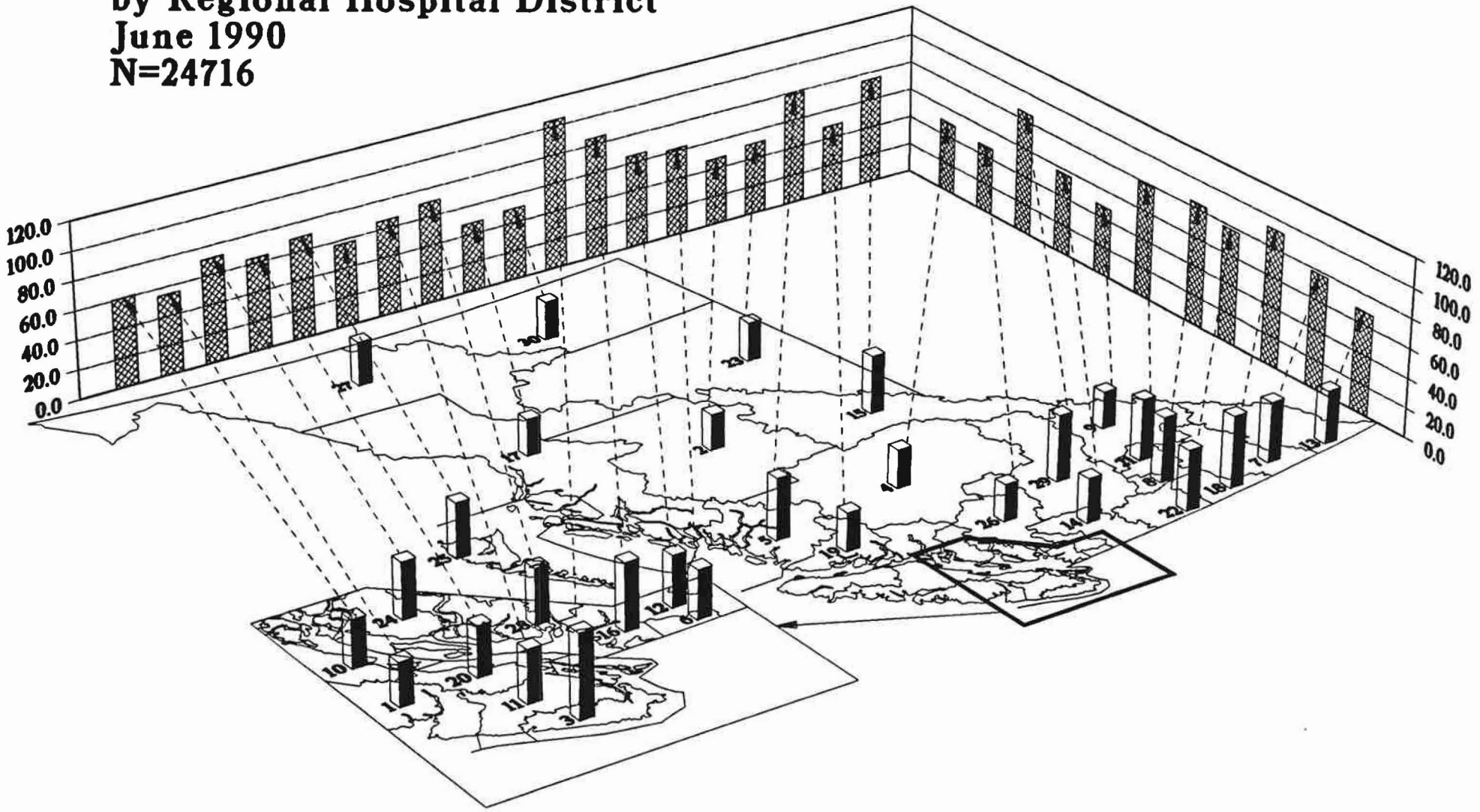

Table 1

Registered Nurses[1] in British Columbia

by Regional Hospital District by Registration and Employment Status

June 1989[2] and June 1990

	Practising									
	Employed in Nursing		Not Employed in Nursing		Subtotal		Non-Practising		Total	
Regional Hospital District	**1989**	**1990**	**1989**	**1990**	**1989**	**1990**	**1989**	**1990**	**1989**	**1990**
Non-Metropolitan - Subtotal	**8,544**	**9,059**	**356**	**455**	**8,900**	**9,514**	**968**	**1,029**	**9,868**	**10,543**
1 Alberni-Clayoquot	165	166	5	12	170	178	19	19	189	197
2 Bulkley-Nechako	166	176	12	16	178	192	22	30	200	222
4 Cariboo	272	292	13	14	285	306	24	27	309	333
5 Central Coast	20	25	1	0	21	25	2	1	23	26
6 Central Fraser Valley	483	517	21	34	504	551	58	69	562	620
7 Central Kootenay	360	384	14	16	374	400	43	41	417	441
8 Central Okanagan	778	849	27	43	805	892	96	101	901	993
9 Columbia-Shuswap	192	192	11	10	203	202	33	33	236	235
10 Comox-Strathcona	455	476	21	33	476	509	74	80	550	589
11 Cowichan Valley	356	368	15	21	371	389	50	52	421	441
12 Dewdney-Alouette	522	568	19	17	541	585	37	46	578	631
13 East Kootenay	319	331	9	11	328	342	26	24	354	366
14 Fraser-Cheam	338	369	17	16	355	385	38	39	393	424
15 Fraser-Fort George	605	647	24	29	629	676	46	42	675	718
17 Kitimat-Stikine	201	189	7	16	208	205	25	31	233	236
18 Kootenay Boundary	283	278	6	4	289	282	30	32	319	314
19 Mount Waddington	69	69	5	4	74	73	11	8	85	81
20 Nanaimo	532	580	31	50	563	630	88	93	651	723
21 North Okanagan	423	448	16	34	439	482	44	36	483	518
22 Okanagan-Similkameen	452	488	15	15	467	503	44	52	511	555
23 Peace River	233	249	9	6	242	255	22	22	264	277
24 Powell River	123	131	12	8	135	139	10	12	145	151
25 Skeena-Queen Charlotte	146	160	10	8	156	168	15	18	171	186
26 Squamish-Lillooet	102	104	5	5	107	109	19	21	126	130
27 Stikine	11	9	0	0	11	9	0	2	11	11
28 Sunshine Coast	111	128	3	8	114	136	19	23	133	159
29 Thompson-Nicola	804	843	27	22	831	865	70	71	901	936
30 Fort Nelson/Liard	23	23	1	3	24	26	3	4	27	30
Metropolitan - Subtotal	**15,219**	**15,657**	**684**	**676**	**15,903**	**16,333**	**1,673**	**1,669**	**17,576**	**18,002**
3 Capital	2,904	3,036	170	174	3,074	3,210	378	366	3,452	3,576
16 Greater Vancouver	12,315	12,621	514	502	12,829	13,123	1,295	1,303	14,124	14,426
TOTAL	**23,763**	**24,716**	**1,040**	**1,131**	**24,803**	**25,847**	**2,641**	**2,698**	**27,444**	**28,545**

[1]Definitions are as in the attached text.
[2]The figures differ from the corresponding figures in ROLLCALL 89 because of changes in method of calculation.

Prepared by:
Health Human Resources 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 1989[2] and June 1990

Regional Hospital District	Practising: Employed in Nursing 1989	Practising: Employed in Nursing 1990	Practising: Not Employed in Nursing 1989	Practising: Not Employed in Nursing 1990	Practising: Subtotal 1989	Practising: Subtotal 1990	Non-Practising 1989	Non-Practising 1990	Total 1989	Total 1990
Non-Metropolitan - Subtotal	**64.28**	**66.89**	**2.68**	**3.36**	**66.96**	**70.25**	**7.28**	**7.60**	**74.24**	**77.85**
1 Alberni-Clayoquot	55.10	54.79	1.67	3.96	56.77	58.75	6.34	6.27	63.11	65.02
2 Bulkley-Nechako	44.83	47.05	3.24	4.28	48.07	51.33	5.94	8.02	54.01	59.35
4 Cariboo	46.66	49.76	2.23	2.39	48.89	52.14	4.12	4.60	53.01	56.74
5 Central Coast	62.68	78.52	3.13	0.00	65.81	78.52	6.27	3.14	72.08	81.66
6 Central Fraser Valley	60.75	62.05	2.64	4.08	63.39	66.13	7.30	8.28	70.69	74.41
7 Central Kootenay	74.21	77.99	2.89	3.25	77.10	81.23	8.86	8.33	85.96	89.56
8 Central Okanagan	79.58	83.75	2.76	4.24	82.34	87.99	9.82	9.96	92.16	97.95
9 Columbia-Shuswap	48.42	48.24	2.77	2.51	51.20	50.75	8.32	8.29	59.52	59.04
10 Comox-Strathcona	59.54	60.48	2.75	4.19	62.29	64.67	9.68	10.16	71.97	74.84
11 Cowichan Valley	64.50	65.62	2.72	3.74	67.22	69.36	9.06	9.27	76.28	78.63
12 Dewdney-Alouette	63.40	65.16	2.31	1.95	65.71	67.11	4.49	5.28	70.21	72.39
13 East Kootenay	65.58	68.69	1.85	2.28	67.43	70.97	5.34	4.98	72.77	75.95
14 Fraser-Cheam	53.70	56.78	2.70	2.46	56.40	59.24	6.04	6.00	62.44	65.24
15 Fraser-Fort George	70.14	74.80	2.78	3.35	72.93	78.15	5.33	4.86	78.26	83.00
17 Kitimat-Stikine	51.28	47.87	1.79	4.05	53.06	51.92	6.38	7.85	59.44	59.77
18 Kootenay Boundary	94.89	92.74	2.01	1.33	96.90	94.08	10.06	10.68	106.96	104.75
19 Mount Waddington	48.61	48.80	3.52	2.83	52.13	51.63	7.75	5.66	59.88	57.29
20 Nanaimo	60.24	63.66	3.51	5.49	63.75	69.15	9.96	10.21	73.72	79.36
21 North Okanagan	75.28	79.17	2.85	6.01	78.13	85.18	7.83	6.36	85.96	91.54
22 Okanagan-Similkameen	73.00	77.83	2.42	2.39	75.42	80.22	7.11	8.29	82.52	88.51
23 Peace River	47.22	50.82	1.82	1.22	49.05	52.05	4.46	4.49	53.51	56.54
24 Powell River	67.64	71.35	6.60	4.36	74.24	75.70	5.50	6.54	79.74	82.24
25 Skeena-Queen Charlotte	63.76	69.67	4.37	3.48	68.12	73.16	6.55	7.84	74.67	81.00
26 Squamish-Lillooet	47.60	47.23	2.33	2.27	49.94	49.50	8.87	9.54	58.80	59.03
27 Stikine	69.49	57.47	0.00	0.00	69.49	57.47	0.00	12.77	69.49	70.24
28 Sunshine Coast	62.12	70.29	1.68	4.39	63.79	74.68	10.63	12.63	74.43	87.31
29 Thompson-Nicola	82.12	85.46	2.76	2.23	84.88	87.69	7.15	7.20	92.03	94.88
30 Fort Nelson/Liard	49.07	50.11	2.13	6.54	51.21	56.64	6.40	8.71	57.61	65.36
Metropolitan - Subtotal	**88.27**	**88.15**	**3.97**	**3.81**	**92.24**	**91.96**	**9.70**	**9.40**	**101.94**	**101.35**
3 Capital	102.60	104.45	6.01	5.99	108.61	110.43	13.36	12.59	121.96	123.03
16 Greater Vancouver	85.46	84.96	3.57	3.38	89.03	88.34	8.99	8.77	98.01	97.11
TOTAL	**77.83**	**78.95**	**3.41**	**3.61**	**81.23**	**82.57**	**8.65**	**8.62**	**89.88**	**91.19**

[1]Definitions are as in the attached text.
[2]The figures differ from the corresponding figures appearing in ROLLCALL 89. See Foreword and Footnote 2, Table 1.

Prepared by:
Health Human Resources 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 1989 to June 1990

Regional Hospital District	Practising: Employed in Nursing		Practising: Not Employed in Nursing		Practising: Subtotal		Non-Practising		Total	
	Number[2]	Ratio[3]	Number[2]	Ratio[3]	Number[2]	Ratio[3]	Number[2]	Ratio[3]	Number[2]	Ratio[3]
Non-Metropolitan - Subtotal	**6.03**	**4.06**	**27.81**	**25.44**	**6.90**	**4.92**	**6.30**	**4.33**	**6.84**	**4.86**
1 Alberni-Clayoquot	0.61	-0.56	*	*	4.71	3.49	0.00	-1.16	4.23	3.03
2 Bulkley-Nechako	6.02	4.96	33.33	31.99	7.87	6.78	36.36	34.99	11.00	9.88
4 Cariboo	7.35	6.64	7.69	6.98	7.37	6.66	12.50	11.75	7.77	7.05
5 Central Coast	25.00	25.27	*	*	19.05	19.31	*	*	13.04	13.29
6 Central Fraser Valley	7.04	2.13	61.90	54.48	9.33	4.31	18.97	13.51	10.32	5.26
7 Central Kootenay	6.67	5.09	14.29	12.59	6.95	5.37	-4.65	-6.06	5.76	4.19
8 Central Okanagan	9.13	5.24	59.26	53.59	10.81	6.86	5.21	1.46	10.21	6.29
9 Columbia-Shuswap	0.00	-0.38	-9.09	-9.44	-0.49	-0.88	0.00	-0.38	-0.42	-0.81
10 Comox-Strathcona	4.62	1.57	57.14	52.57	6.93	3.82	8.11	4.97	7.09	3.98
11 Cowichan Valley	3.37	1.73	40.00	37.78	4.85	3.19	4.00	2.35	4.75	3.09
12 Dewdney-Alouette	8.81	2.77	-10.53	-15.49	8.13	2.13	24.32	17.43	9.17	3.11
13 East Kootenay	3.76	4.74	*	*	4.27	5.25	-7.69	-6.82	3.39	4.37
14 Fraser-Cheam	9.17	5.74	-5.88	-8.84	8.45	5.04	2.63	-0.60	7.89	4.49
15 Fraser-Fort George	6.94	6.63	20.83	20.48	7.47	7.16	-8.70	-8.96	6.37	6.06
17 Kitimat-Stikine	-5.97	-6.65	*	*	-1.44	-2.16	24.00	23.10	1.29	0.55
18 Kootenay Boundary	-1.77	-2.26	*	*	-2.42	-2.91	6.67	6.13	-1.57	-2.06
19 Mount Waddington	0.00	0.40	*	*	-1.35	-0.95	-27.27	-26.98	-4.71	-4.32
20 Nanaimo	9.02	5.68	61.29	56.35	11.90	8.47	5.68	2.44	11.06	7.66
21 North Okanagan	5.91	5.17	112.50	111.01	9.79	9.02	-18.18	-18.76	7.25	6.49
22 Okanagan-Similkameen	7.96	6.62	0.00	-1.25	7.71	6.37	18.18	16.71	8.61	7.26
23 Peace River	6.87	7.63	*	*	5.37	6.12	0.00	0.71	4.92	5.67
24 Powell River	6.50	5.48	-33.33	-33.97	2.96	1.98	20.00	18.85	4.14	3.14
25 Skeena-Queen Charlotte	9.59	9.28	-20.00	-20.22	7.69	7.39	20.00	19.67	8.77	8.47
26 Squamish-Lillooet	1.96	-0.79	*	*	1.87	-0.88	10.53	7.54	3.17	0.39
27 Stikine	-18.18	-17.29	*	*	-18.18	-17.29	*	*	0.00	1.09
28 Sunshine Coast	15.32	13.16	*	*	19.30	17.07	21.05	18.79	19.55	17.32
29 Thompson-Nicola	4.85	4.06	-18.52	-19.13	4.09	3.31	1.43	0.66	3.88	3.10
30 Fort Nelson/Liard	0.00	2.11	*	*	8.33	10.62	*	*	11.11	13.46
Metropolitan - Subtotal	**2.88**	**-0.14**	**-1.17**	**-4.07**	**2.70**	**-0.31**	**-0.24**	**-3.16**	**2.42**	**-0.58**
3 Capital	4.55	1.80	2.35	-0.34	4.42	1.68	-3.17	-5.72	3.59	0.87
16 Greater Vancouver	2.48	-0.58	-2.33	-5.26	2.29	-0.77	0.62	-2.39	2.14	-0.92
TOTAL	**4.01**	**1.45**	**8.75**	**6.07**	**4.21**	**1.64**	**2.16**	**-0.36**	**4.01**	**1.45**

[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.

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Table 4

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

by Regional Hospital District by Place of Employment

June 1990

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	**6,146**	**14**	**453**	**51**	**6,664**	**693**	**306**
1 Alberni-Clayoquot	117	0	1	0	118	8	5
2 Bulkley-Nechako	116	0	1	0	117	14	2
4 Cariboo	199	0	14	0	213	21	12
5 Central Coast	20	0	0	0	20	1	0
6 Central Fraser Valley	341	0	39	10	390	57	8
7 Central Kootenay	245	0	20	1	266	40	17
8 Central Okanagan	527	4	76	0	607	84	27
9 Columbia-Shuswap	142	0	2	0	144	14	4
10 Comox-Strathcona	330	2	16	0	348	29	16
11 Cowichan Valley	228	0	32	0	260	30	20
12 Dewdney-Alouette	399	1	30	34	464	28	16
13 East Kootenay	234	0	11	0	245	28	15
14 Fraser-Cheam	249	0	20	4	273	37	12
15 Fraser-Fort George	491	5	9	0	505	19	14
17 Kitimat-Stikine	132	0	2	0	134	1	8
18 Kootenay Boundary	191	0	18	0	209	19	13
19 Mount Waddington	58	0	1	0	59	0	0
20 Nanaimo	360	1	30	1	392	61	22
21 North Okanagan	320	0	15	1	336	36	18
22 Okanagan-Similkameen	333	0	31	0	364	57	19
23 Peace River	141	0	14	0	155	30	14
24 Powell River	93	0	8	0	101	12	2
25 Skeena-Queen Charlotte	115	1	1	0	117	6	4
26 Squamish-Lillooet	68	0	2	0	70	6	3
27 Stikine	4	0	1	0	5	0	0
28 Sunshine Coast	73	0	11	0	84	17	6
29 Thompson-Nicola	603	0	48	0	651	38	29
30 Fort Nelson/Liard	17	0	0	0	17	0	0
Metropolitan - Subtotal	**10,531**	**237**	**839**	**253**	**11,860**	**892**	**443**
3 Capital	1,791	63	266	74	2,194	272	117
16 Greater Vancouver	8,740	174	573	179	9,666	620	326
TOTAL	**16,677**	**251**	**1,292**	**304**	**18,524**	**1,585**	**749**

[1]Definitions are as in the attached text.

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... *continued*

Table 4
(Continued)

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

by Regional Hospital District by Place of Employment

June 1990

Regional Hospital District	Community Health Agency	Business/ Industry	Physician's Office/ Family Practice Unit	Educational Institution	Self-Employed	Other[2]	Total
Non-Metropolitan - Subtotal	**606**	**36**	**252**	**188**	**42**	**272**	**9,059**
1 Alberni-Clayoquot	14	0	11	3	1	6	166
2 Bulkley-Nechako	30	0	6	1	0	6	176
4 Cariboo	25	0	9	1	1	10	292
5 Central Coast	3	0	0	0	0	1	25
6 Central Fraser Valley	23	0	12	5	2	20	517
7 Central Kootenay	34	1	4	12	3	7	384
8 Central Okanagan	42	8	41	23	4	13	849
9 Columbia-Shuswap	14	0	7	0	3	6	192
10 Comox-Strathcona	35	0	19	9	3	17	476
11 Cowichan Valley	25	0	9	9	3	12	368
12 Dewdney-Alouette	22	3	12	7	1	15	568
13 East Kootenay	24	0	7	6	0	6	331
14 Fraser-Cheam	17	0	4	3	2	21	369
15 Fraser-Fort George	40	3	12	25	3	26	647
17 Kitimat-Stikine	25	4	6	3	1	7	189
18 Kootenay Boundary	13	4	11	2	0	7	278
19 Mount Waddington	8	0	1	1	0	0	69
20 Nanaimo	40	2	17	24	5	17	580
21 North Okanagan	22	3	12	5	4	12	448
22 Okanagan-Similkameen	20	1	13	4	2	8	488
23 Peace River	26	1	9	8	0	6	249
24 Powell River	10	0	5	0	0	1	131
25 Skeena-Queen Charlotte	21	0	6	1	0	5	160
26 Squamish-Lillooet	11	0	2	0	0	12	104
27 Stikine	2	0	1	0	0	1	9
28 Sunshine Coast	11	1	6	2	1	0	128
29 Thompson-Nicola	47	5	8	34	3	28	843
30 Fort Nelson/Liard	2	0	2	0	0	2	23
Metropolitan - Subtotal	**859**	**157**	**292**	**430**	**148**	**576**	**15,657**
3 Capital	164	13	71	68	28	109	3,036
16 Greater Vancouver	695	144	221	362	120	467	12,621
TOTAL	**1,465**	**193**	**544**	**618**	**190**	**848**	**24,716**

[1]Definitions are as in the attached text.
[2]Includes 255 Practising Employed Registered Nurses who did not provide this information.

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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 1990

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	**45.38**	**0.10**	**3.34**	**0.38**	**49.21**	**5.12**	**2.26**
1 Alberni-Clayoquot	38.62	0.00	0.33	0.00	38.95	2.64	1.65
2 Bulkley-Nechako	31.01	0.00	0.27	0.00	31.28	3.74	0.53
4 Cariboo	33.91	0.00	2.39	0.00	36.30	3.58	2.04
5 Central Coast	62.81	0.00	0.00	0.00	62.81	3.14	0.00
6 Central Fraser Valley	40.93	0.00	4.68	1.20	46.81	6.84	0.96
7 Central Kootenay	49.76	0.00	4.06	0.20	54.02	8.12	3.45
8 Central Okanagan	51.99	0.39	7.50	0.00	59.88	8.29	2.66
9 Columbia-Shuswap	35.67	0.00	0.50	0.00	36.18	3.52	1.00
10 Comox-Strathcona	41.93	0.25	2.03	0.00	44.22	3.68	2.03
11 Cowichan Valley	40.65	0.00	5.71	0.00	46.36	5.35	3.57
12 Dewdney-Alouette	45.77	0.11	3.44	3.90	53.23	3.21	1.84
13 East Kootenay	48.56	0.00	2.28	0.00	50.84	5.81	3.11
14 Fraser-Cheam	38.32	0.00	3.08	0.62	42.01	5.69	1.85
15 Fraser-Fort George	56.76	0.58	1.04	0.00	58.38	2.20	1.62
17 Kitimat-Stikine	33.43	0.00	0.51	0.00	33.94	0.25	2.03
18 Kootenay Boundary	63.72	0.00	6.01	0.00	69.72	6.34	4.34
19 Mount Waddington	41.02	0.00	0.71	0.00	41.73	0.00	0.00
20 Nanaimo	39.52	0.11	3.29	0.11	43.03	6.70	2.41
21 North Okanagan	56.55	0.00	2.65	0.18	59.38	6.36	3.18
22 Okanagan-Similkameen	53.11	0.00	4.94	0.00	58.05	9.09	3.03
23 Peace River	28.78	0.00	2.86	0.00	31.64	6.12	2.86
24 Powell River	50.65	0.00	4.36	0.00	55.01	6.54	1.09
25 Skeena-Queen Charlotte	50.08	0.44	0.44	0.00	50.95	2.61	1.74
26 Squamish-Lillooet	30.88	0.00	0.91	0.00	31.79	2.72	1.36
27 Stikine	25.54	0.00	6.39	0.00	31.93	0.00	0.00
28 Sunshine Coast	40.09	0.00	6.04	0.00	46.13	9.34	3.29
29 Thompson-Nicola	61.13	0.00	4.87	0.00	65.99	3.85	2.94
30 Fort Nelson/Liard	37.04	0.00	0.00	0.00	37.04	0.00	0.00
Metropolitan - Subtotal	**59.29**	**1.33**	**4.72**	**1.42**	**66.77**	**5.02**	**2.49**
3 Capital	61.62	2.17	9.15	2.55	75.48	9.36	4.03
16 Greater Vancouver	58.84	1.17	3.86	1.20	65.07	4.17	2.19
TOTAL	**53.27**	**0.80**	**4.13**	**0.97**	**59.17**	**5.06**	**2.39**

[1]Definitions are as in the attached text.

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... *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 1990

Regional Hospital District	Community Health Agency	Business/ Industry	Physician's Office/ Family Practice Unit	Educational Institution	Self-Employed	Other[2]	Total
Non-Metropolitan - Subtotal	**4.47**	**0.27**	**1.86**	**1.39**	**0.31**	**2.01**	**66.89**
1 Alberni-Clayoquot	4.62	0.00	3.63	0.99	0.33	1.98	54.79
2 Bulkley-Nechako	8.02	0.00	1.60	0.27	0.00	1.60	47.05
4 Cariboo	4.26	0.00	1.53	0.17	0.17	1.70	49.76
5 Central Coast	9.42	0.00	0.00	0.00	0.00	3.14	78.52
6 Central Fraser Valley	2.76	0.00	1.44	0.60	0.24	2.40	62.05
7 Central Kootenay	6.90	0.20	0.81	2.44	0.61	1.42	77.99
8 Central Okanagan	4.14	0.79	4.04	2.27	0.39	1.28	83.75
9 Columbia-Shuswap	3.52	0.00	1.76	0.00	0.75	1.51	48.24
10 Comox-Strathcona	4.45	0.00	2.41	1.14	0.38	2.16	60.48
11 Cowichan Valley	4.46	0.00	1.60	1.60	0.53	2.14	65.62
12 Dewdney-Alouette	2.52	0.34	1.38	0.80	0.11	1.72	65.16
13 East Kootenay	4.98	0.00	1.45	1.25	0.00	1.25	68.69
14 Fraser-Cheam	2.62	0.00	0.62	0.46	0.31	3.23	56.78
15 Fraser-Fort George	4.62	0.35	1.39	2.89	0.35	3.01	74.80
17 Kitimat-Stikine	6.33	1.01	1.52	0.76	0.25	1.77	47.87
18 Kootenay Boundary	4.34	1.33	3.67	0.67	0.00	2.34	92.74
19 Mount Waddington	5.66	0.00	0.71	0.71	0.00	0.00	48.80
20 Nanaimo	4.39	0.22	1.87	2.63	0.55	1.87	63.66
21 North Okanagan	3.89	0.53	2.12	0.88	0.71	2.12	79.17
22 Okanagan-Similkameen	3.19	0.16	2.07	0.64	0.32	1.28	77.83
23 Peace River	5.31	0.20	1.84	1.63	0.00	1.22	50.82
24 Powell River	5.45	0.00	2.72	0.00	0.00	0.54	71.35
25 Skeena-Queen Charlotte	9.14	0.00	2.61	0.44	0.00	2.18	69.67
26 Squamish-Lillooet	5.00	0.00	0.91	0.00	0.00	5.45	47.23
27 Stikine	12.77	0.00	6.39	0.00	0.00	6.39	57.47
28 Sunshine Coast	6.04	0.55	3.29	1.10	0.55	0.00	70.29
29 Thompson-Nicola	4.76	0.51	0.81	3.45	0.30	2.84	85.46
30 Fort Nelson/Liard	4.36	0.00	4.36	0.00	0.00	4.36	50.11
Metropolitan - Subtotal	**4.84**	**0.88**	**1.64**	**2.42**	**0.83**	**3.24**	**88.15**
3 Capital	5.64	0.45	2.44	2.34	0.96	3.75	104.45
16 Greater Vancouver	4.68	0.97	1.49	2.44	0.81	3.14	84.96
TOTAL	**4.68**	**0.62**	**1.74**	**1.97**	**0.61**	**2.71**	**78.95**

[1]Definitions are as in the attached text.
[2]Includes 255 Practising Employed Registered Nurses who did not provide this information (see Table 4).

Prepared by:
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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 1990

Regional Hospital District	Direct Patient Care								
	Operating Room	Post-Anes Recovery Room	Emergency Room	Medical/ Surgical	Critical Care	Maternal/ Newborn	Psychiatry/ Mental Health	Paediatrics	Geriatrics/ Gerontology
Non-Metropolitan - Subtotal	**317**	**110**	**278**	**2,025**	**882**	**701**	**352**	**303**	**1,191**
1 Alberni-Clayoquot	5	0	5	41	12	15	9	2	16
2 Bulkley-Nechako	5	0	9	25	11	9	2	3	11
4 Cariboo	13	2	13	57	26	33	2	10	31
5 Central Coast	0	0	0	4	1	1	0	0	0
6 Central Fraser Valley	19	7	16	126	55	34	35	22	93
7 Central Kootenay	11	3	11	83	32	34	10	8	71
8 Central Okanagan	23	7	21	220	89	57	37	26	145
9 Columbia-Shuswap	5	2	7	35	13	5	4	0	23
10 Comox-Strathcona	24	5	18	110	47	37	21	18	54
11 Cowichan Valley	12	5	11	77	41	34	14	15	55
12 Dewdney-Alouette	18	8	27	140	73	49	34	23	69
13 East Kootenay	16	2	8	67	16	9	14	0	49
14 Fraser-Cheam	10	3	8	86	46	30	19	13	68
15 Fraser-Fort George	28	8	22	166	66	83	16	41	34
17 Kitimat-Stikine	8	1	5	34	16	24	1	7	7
18 Kootenay Boundary	9	3	7	63	32	22	18	7	34
19 Mount Waddington	0	0	3	6	3	0	0	1	1
20 Nanaimo	15	11	15	124	62	39	24	19	95
21 North Okanagan	21	12	10	110	34	31	24	21	54
22 Okanagan-Similkameen	15	6	13	114	56	28	18	12	89
23 Peace River	6	2	15	35	19	24	2	11	42
24 Powell River	4	1	6	22	12	14	6	5	26
25 Skeena-Queen Charlotte	4	1	4	35	17	17	1	12	7
26 Squamish-Lillooet	3	0	4	13	6	2	2	0	8
27 Stikine	0	0	0	0	0	0	0	0	1
28 Sunshine Coast	3	1	3	24	13	3	0	0	29
29 Thompson-Nicola	39	20	17	203	84	67	38	27	79
30 Fort Nelson/Liard	1	0	0	5	0	0	1	0	0
Metropolitan - Subtotal	**516**	**205**	**390**	**4,270**	**1,919**	**1,137**	**700**	**712**	**1,921**
3 Capital	106	45	68	775	328	165	158	103	546
16 Greater Vancouver	410	160	322	3,495	1,591	972	542	609	1,375
TOTAL	**833**	**315**	**668**	**6,295**	**2,801**	**1,838**	**1,052**	**1,015**	**3,112**

[1]Definitions are as in the attached text.

Prepared by:
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... *continued*

Table 6
(Continued)

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

by Regional Hospital District by Primary Area of Responsibility

June 1990

Regional Hospital District	Direct Patient Care				Administration			
	Occupational Health	Several Areas	Other Patient Care	Sub-total	Nursing Educ.	Nursing Services	Other	Sub-total
Non-Metropolitan - Subtotal	**66**	**1,480**	**377**	**8,082**	**14**	**347**	**145**	**506**
1 Alberni-Clayoquot	0	37	9	151	0	6	1	7
2 Bulkley-Nechako	0	76	3	154	0	5	5	10
4 Cariboo	1	66	12	266	0	10	7	17
5 Central Coast	1	13	1	21	0	1	1	2
6 Central Fraser Valley	3	38	19	467	2	24	5	31
7 Central Kootenay	0	68	13	344	1	14	5	20
8 Central Okanagan	9	66	45	745	2	27	22	51
9 Columbia-Shuswap	0	71	8	173	0	7	4	11
10 Comox-Strathcona	3	67	25	429	1	22	5	28
11 Cowichan Valley	2	55	11	332	0	15	6	21
12 Dewdney-Alouette	4	39	20	504	1	26	11	38
13 East Kootenay	1	110	6	298	0	14	5	19
14 Fraser-Cheam	0	41	17	341	0	11	6	17
15 Fraser-Fort George	5	62	34	565	1	24	6	31
17 Kitimat-Stikine	4	51	10	168	1	6	6	13
18 Kootenay Boundary	7	45	11	258	0	5	3	8
19 Mount Waddington	0	44	2	60	0	5	2	7
20 Nanaimo	3	77	24	508	1	21	8	30
21 North Okanagan	5	64	12	398	1	18	7	26
22 Okanagan-Similkameen	3	78	19	451	0	19	3	22
23 Peace River	1	39	13	209	1	18	2	21
24 Powell River	0	20	1	117	1	6	3	10
25 Skeena-Queen Charlotte	0	34	10	142	0	8	1	9
26 Squamish-Lillooet	1	50	3	92	0	3	3	6
27 Stikine	0	4	1	6	0	0	1	1
28 Sunshine Coast	1	29	7	113	0	7	0	7
29 Thompson-Nicola	11	126	41	752	1	25	17	43
30 Fort Nelson/Liard	1	10	0	18	0	0	0	0
Metropolitan - Subtotal	**159**	**1,036**	**717**	**13,682**	**34**	**546**	**265**	**845**
3 Capital	28	202	166	2,690	7	108	56	171
16 Greater Vancouver	131	834	551	10,992	27	438	209	674
TOTAL	**225**	**2,516**	**1,094**	**21,764**	**48**	**893**	**410**	**1,351**

[1]Definitions are as in the attached text.

Prepared by:
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... *continued*

Table 6
(Continued)

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

by Regional Hospital District by Primary Area of Responsibility

June 1990

Regional Hospital District	Teaching: Students	Teaching: Employees	Teaching: Clients	Teaching: Other	Teaching: Sub-total	Research	Unknown	Total
Non-Metropolitan - Subtotal	**164**	**47**	**73**	**31**	**315**	**6**	**150**	**9,059**
1 Alberni-Clayoquot	1	0	1	1	3	0	5	166
2 Bulkley-Nechako	2	0	5	2	9	0	3	176
4 Cariboo	2	0	1	0	3	0	6	292
5 Central Coast	0	0	0	0	0	0	2	25
6 Central Fraser Valley	6	2	1	3	12	1	6	517
7 Central Kootenay	11	1	4	0	16	0	4	384
8 Central Okanagan	20	5	10	3	38	0	15	849
9 Columbia-Shuswap	0	1	1	2	4	0	4	192
10 Comox-Strathcona	6	0	3	0	9	0	10	476
11 Cowichan Valley	4	1	1	3	9	2	4	368
12 Dewdney-Alouette	6	8	5	2	21	0	5	568
13 East Kootenay	7	0	2	1	10	0	4	331
14 Fraser-Cheam	3	1	1	1	6	0	5	369
15 Fraser-Fort George	25	5	8	3	41	0	10	647
17 Kitimat-Stikine	2	1	0	0	3	1	4	189
18 Kootenay Boundary	3	0	4	1	8	0	4	278
19 Mount Waddington	0	1	1	0	2	0	0	69
20 Nanaimo	21	2	5	0	28	1	13	580
21 North Okanagan	3	0	6	4	13	1	10	448
22 Okanagan-Similkameen	3	6	2	0	11	0	4	488
23 Peace River	6	2	6	1	15	0	4	249
24 Powell River	0	0	0	0	0	0	4	131
25 Skeena-Queen Charlotte	0	0	2	1	3	0	6	160
26 Squamish-Lillooet	0	0	1	0	1	0	5	104
27 Stikine	0	0	0	1	1	0	1	9
28 Sunshine Coast	1	3	0	1	5	0	3	128
29 Thompson-Nicola	32	6	2	1	41	0	7	843
30 Fort Nelson/Liard	0	2	1	0	3	0	2	23
Metropolitan - Subtotal	**357**	**157**	**136**	**88**	**738**	**85**	**307**	**15,657**
3 Capital	53	29	27	13	122	9	44	3,036
16 Greater Vancouver	304	128	109	75	616	76	263	12,621
TOTAL	**521**	**204**	**209**	**119**	**1,053**	**91**	**457**	**24,716**

[1]Definitions are as in the attached text.

Prepared by:
Health Human Resources 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 1990

Regional Hospital District	Direct Patient Care								
	Operating Room	Post-Anes Recovery Room	Emergency Room	Medical/ Surgical	Critical Care	Maternal/ Newborn	Psychiatry/ Mental Health	Paediatrics	Geriatrics/ Gerontology
Non-Metropolitan - Subtotal	**2.34**	**0.81**	**2.05**	**14.95**	**6.51**	**5.18**	**2.60**	**2.24**	**8.79**
1 Alberni-Clayoquot	1.65	0.00	1.65	13.53	3.96	4.95	2.97	0.66	5.28
2 Bulkley-Nechako	1.34	0.00	2.41	6.68	2.94	2.41	0.53	0.80	2.94
4 Cariboo	2.22	0.34	2.22	9.71	4.43	5.62	0.34	1.70	5.28
5 Central Coast	0.00	0.00	0.00	12.56	3.14	3.14	0.00	0.00	0.00
6 Central Fraser Valley	2.28	0.84	1.92	15.12	6.60	4.08	4.20	2.64	11.16
7 Central Kootenay	2.23	0.61	2.23	16.86	6.50	6.90	2.03	1.62	14.42
8 Central Okanagan	2.27	0.69	2.07	21.70	8.78	5.62	3.65	2.56	14.30
9 Columbia-Shuswap	1.26	0.50	1.76	8.79	3.27	1.26	1.00	0.00	5.78
10 Comox-Strathcona	3.05	0.64	2.29	13.98	5.97	4.70	2.67	2.29	6.86
11 Cowichan Valley	2.14	0.89	1.96	13.73	7.31	6.06	2.50	2.67	9.81
12 Dewdney-Alouette	2.07	0.92	3.10	16.06	8.37	5.62	3.90	2.64	7.92
13 East Kootenay	3.32	0.42	1.66	13.90	3.32	1.87	2.91	0.00	10.17
14 Fraser-Cheam	1.54	0.46	1.23	13.23	7.08	4.62	2.92	2.00	10.46
15 Fraser-Fort George	3.24	0.92	2.54	19.19	7.63	9.60	1.85	4.74	3.93
17 Kitimat-Stikine	2.03	0.25	1.27	8.61	4.05	6.08	0.25	1.77	1.77
18 Kootenay Boundary	3.00	1.00	2.34	21.02	10.68	7.34	6.01	2.34	11.34
19 Mount Waddington	0.00	0.00	2.12	4.24	2.12	0.00	0.00	0.71	0.71
20 Nanaimo	1.65	1.21	1.65	13.61	6.81	4.28	2.63	2.09	10.43
21 North Okanagan	3.71	2.12	1.77	19.44	6.01	5.48	4.24	3.71	9.54
22 Okanagan-Similkameen	2.39	0.96	2.07	18.18	8.93	4.47	2.87	1.91	14.19
23 Peace River	1.22	0.41	3.06	7.14	3.88	4.90	0.41	2.25	8.57
24 Powell River	2.18	0.54	3.27	11.98	6.54	7.62	3.27	2.72	14.16
25 Skeena-Queen Charlotte	1.74	0.44	1.74	15.24	7.40	7.40	0.44	5.23	3.05
26 Squamish-Lillooet	1.36	0.00	1.82	5.90	2.72	0.91	0.91	0.00	3.63
27 Stikine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.39
28 Sunshine Coast	1.65	0.55	1.65	13.18	7.14	1.65	0.00	0.00	15.93
29 Thompson-Nicola	3.95	2.03	1.72	20.58	8.52	6.79	3.85	2.74	8.01
30 Fort Nelson/Liard	2.18	0.00	0.00	10.89	0.00	0.00	2.18	0.00	0.00
Metropolitan - Subtotal	**2.91**	**1.15**	**2.20**	**24.04**	**10.80**	**6.40**	**3.94**	**4.01**	**10.82**
3 Capital	3.65	1.55	2.34	26.66	11.28	5.68	5.44	3.54	18.78
16 Greater Vancouver	2.76	1.08	2.17	23.53	10.71	6.54	3.65	4.10	9.26
TOTAL	**2.66**	**1.01**	**2.13**	**20.11**	**8.95**	**5.87**	**3.36**	**3.24**	**9.94**

[1]Definitions are as in the attached text.

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Health Human Resources 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 1990

Regional Hospital District	Direct Patient Care				Administration			
	Occupational Health	Several Areas	Other Patient Care	Sub-total	Nursing Educ.	Nursing Services	Other	Sub-total
Non-Metropolitan - Subtotal	**0.49**	**10.93**	**2.78**	**59.68**	**0.10**	**2.56**	**1.07**	**3.74**
1 Alberni-Clayoquot	0.00	12.21	2.97	49.84	0.00	1.98	0.33	2.31
2 Bulkley-Nechako	0.00	20.32	0.80	41.17	0.00	1.34	1.34	2.67
4 Cariboo	0.17	11.25	2.04	45.33	0.00	1.70	1.19	2.90
5 Central Coast	3.14	40.83	3.14	65.95	0.00	3.14	3.14	6.28
6 Central Fraser Valley	0.36	4.56	2.28	56.05	0.24	2.88	0.60	3.72
7 Central Kootenay	0.00	13.81	2.64	69.86	0.20	2.84	1.02	4.06
8 Central Okanagan	0.89	6.51	4.44	73.49	0.20	2.66	2.17	5.03
9 Columbia-Shuswap	0.00	17.84	2.01	43.46	0.00	1.76	1.00	2.76
10 Comox-Strathcona	0.38	8.51	3.18	54.51	0.13	2.80	0.64	3.56
11 Cowichan Valley	0.36	9.81	1.96	59.20	0.00	2.67	1.07	3.74
12 Dewdney-Alouette	0.46	4.47	2.29	57.82	0.11	2.98	1.26	4.36
13 East Kootenay	0.21	22.83	1.25	61.84	0.00	2.91	1.04	3.94
14 Fraser-Cheam	0.00	6.31	2.62	52.47	0.00	1.69	0.92	2.62
15 Fraser-Fort George	0.58	7.17	3.93	65.32	0.12	2.77	0.69	3.58
17 Kitimat-Stikine	1.01	12.92	2.53	42.55	0.25	1.52	1.52	3.29
18 Kootenay Boundary	2.34	15.01	3.67	86.07	0.00	1.67	1.00	2.67
19 Mount Waddington	0.00	31.12	1.41	42.44	0.00	3.54	1.41	4.95
20 Nanaimo	0.33	8.45	2.63	55.76	0.11	2.31	0.88	3.29
21 North Okanagan	0.88	11.31	2.12	70.33	0.18	3.18	1.24	4.59
22 Okanagan-Similkameen	0.48	12.44	3.03	71.93	0.00	3.03	0.48	3.51
23 Peace River	0.20	7.96	2.65	42.66	0.20	3.67	0.41	4.29
24 Powell River	0.00	10.89	0.54	63.72	0.54	3.27	1.63	5.45
25 Skeena-Queen Charlotte	0.00	14.81	4.35	61.84	0.00	3.48	0.44	3.92
26 Squamish-Lillooet	0.45	22.71	1.36	41.78	0.00	1.36	1.36	2.72
27 Stikine	0.00	25.54	6.39	38.31	0.00	0.00	6.39	6.39
28 Sunshine Coast	0.55	15.93	3.84	62.05	0.00	3.84	0.00	3.84
29 Thompson-Nicola	1.12	12.77	4.16	76.23	0.10	2.53	1.72	4.36
30 Fort Nelson/Liard	2.18	21.79	0.00	39.22	0.00	0.00	0.00	0.00
Metropolitan - Subtotal	**0.90**	**5.83**	**4.04**	**77.03**	**0.19**	**3.07**	**1.49**	**4.76**
3 Capital	0.96	6.95	5.71	92.54	0.24	3.72	1.93	5.88
16 Greater Vancouver	0.88	5.61	3.71	74.00	0.18	2.95	1.41	4.54
TOTAL	**0.72**	**8.04**	**3.49**	**69.52**	**0.15**	**2.85**	**1.31**	**4.32**

[1]Definitions are as in the attached text.

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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 1990

Regional Hospital District	Teaching: Students	Teaching: Employees	Teaching: Clients	Teaching: Other	Teaching: Sub-total	Research	Unknown	Total
Non-Metropolitan - Subtotal	**1.21**	**0.35**	**0.54**	**0.23**	**2.33**	**0.04**	**1.11**	**66.89**
1 Alberni-Clayoquot	0.33	0.00	0.33	0.33	0.99	0.00	1.65	54.79
2 Bulkley-Nechako	0.53	0.00	1.34	0.53	2.41	0.00	0.80	47.05
4 Cariboo	0.34	0.00	0.17	0.00	0.51	0.00	1.02	49.76
5 Central Coast	0.00	0.00	0.00	0.00	0.00	0.00	6.28	78.52
6 Central Fraser Valley	0.72	0.24	0.12	0.36	1.44	0.12	0.72	62.05
7 Central Kootenay	2.23	0.20	0.81	0.00	3.25	0.00	0.81	77.99
8 Central Okanagan	1.97	0.49	0.99	0.30	3.75	0.00	1.48	83.75
9 Columbia-Shuswap	0.00	0.25	0.25	0.50	1.00	0.00	1.00	48.24
10 Comox-Strathcona	0.76	0.00	0.38	0.00	1.14	0.00	1.27	60.48
11 Cowichan Valley	0.71	0.18	0.18	0.53	1.60	0.36	0.71	65.62
12 Dewdney-Alouette	0.69	0.92	0.57	0.23	2.41	0.00	0.57	65.16
13 East Kootenay	1.45	0.00	0.42	0.21	2.08	0.00	0.83	68.69
14 Fraser-Cheam	0.46	0.15	0.15	0.15	0.92	0.00	0.77	56.78
15 Fraser-Fort George	2.89	0.58	0.92	0.35	4.74	0.00	1.16	74.80
17 Kitimat-Stikine	0.51	0.25	0.00	0.00	0.76	0.25	1.01	47.87
18 Kootenay Boundary	1.00	0.00	1.33	0.33	2.67	0.00	1.33	92.74
19 Mount Waddington	0.00	0.71	0.71	0.00	1.41	0.00	0.00	48.80
20 Nanaimo	2.31	0.22	0.55	0.00	3.07	0.11	1.43	63.66
21 North Okanagan	0.53	0.00	1.06	0.71	2.30	0.18	1.77	79.17
22 Okanagan-Similkameen	0.48	0.96	0.32	0.00	1.75	0.00	0.64	77.83
23 Peace River	1.22	0.41	1.22	0.20	3.06	0.00	0.82	50.82
24 Powell River	0.00	0.00	0.00	0.00	0.00	0.00	2.18	71.35
25 Skeena-Queen Charlotte	0.00	0.00	0.87	0.44	1.31	0.00	2.61	69.67
26 Squamish-Lillooet	0.00	0.00	0.45	0.00	0.45	0.00	2.27	47.23
27 Stikine	0.00	0.00	0.00	6.39	6.39	0.00	6.39	57.47
28 Sunshine Coast	0.55	1.65	0.00	0.55	2.75	0.00	1.65	70.29
29 Thompson-Nicola	3.24	0.61	0.20	0.10	4.16	0.00	0.71	85.46
30 Fort Nelson/Liard	0.00	4.36	2.18	0.00	6.54	0.00	4.36	50.11
Metropolitan - Subtotal	**2.01**	**0.88**	**0.77**	**0.50**	**4.16**	**0.48**	**1.73**	**88.15**
3 Capital	1.82	1.00	0.93	0.45	4.20	0.31	1.51	104.45
16 Greater Vancouver	2.05	0.86	0.73	0.50	4.15	0.51	1.77	84.96
TOTAL	**1.66**	**0.65**	**0.67**	**0.38**	**3.36**	**0.29**	**1.46**	**78.95**

[1]Definitions are as in the attached text.

Prepared by:
Health Human Resources 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 1990

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	**197**	**33**	**296**	**51**	**507**	**6,532**
1 Alberni-Clayoquot	2	1	8	1	6	113
2 Bulkley-Nechako	4	1	4	1	18	111
4 Cariboo	6	1	12	1	15	207
5 Central Coast	1	0	0	0	3	16
6 Central Fraser Valley	12	2	16	4	36	382
7 Central Kootenay	12	0	15	2	28	260
8 Central Okanagan	17	6	20	7	53	611
9 Columbia-Shuswap	7	0	12	2	13	134
10 Comox-Strathcona	7	3	15	0	23	355
11 Cowichan Valley	12	1	11	1	21	261
12 Dewdney-Alouette	10	2	23	2	27	425
13 East Kootenay	9	0	10	3	24	236
14 Fraser-Cheam	6	3	12	1	22	280
15 Fraser-Fort George	11	4	12	11	24	483
17 Kitimat-Stikine	5	0	13	2	13	116
18 Kootenay Boundary	6	0	8	1	18	200
19 Mount Waddington	3	0	1	0	1	53
20 Nanaimo	11	1	17	1	17	419
21 North Okanagan	10	2	10	4	21	333
22 Okanagan-Similkameen	11	1	13	1	22	375
23 Peace River	7	1	18	0	17	165
24 Powell River	2	0	11	0	12	88
25 Skeena-Queen Charlotte	4	2	5	0	9	111
26 Squamish-Lillooet	4	0	2	0	4	71
27 Stikine	1	0	0	0	0	5
28 Sunshine Coast	6	0	8	1	4	84
29 Thompson-Nicola	10	2	20	5	55	620
30 Fort Nelson/Liard	1	0	0	0	1	18
Metropolitan - Subtotal	**285**	**59**	**317**	**192**	**906**	**11,255**
3 Capital	60	11	64	26	217	2,139
16 Greater Vancouver	225	48	253	166	689	9,116
TOTAL	**482**	**92**	**613**	**243**	**1,413**	**17,787**

[1]Definitions are as in the attached text.

Prepared by:
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... *continued*

Table 8
(Continued)

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

by Regional Hospital District by Employment Position

June 1990

Regional Hospital District	Commun./ Occ. Health/ Home Care Nurse	Instructor/ Professor	Consultant/ Counsellor	Other[2]	Total
Non-Metropolitan - Subtotal	**702**	**191**	**76**	**474**	**9,059**
1 Alberni-Clayoquot	16	2	2	15	166
2 Bulkley-Nechako	20	2	4	11	176
4 Cariboo	31	1	2	16	292
5 Central Coast	3	0	0	2	25
6 Central Fraser Valley	28	7	3	27	517
7 Central Kootenay	34	11	7	15	384
8 Central Okanagan	47	24	6	58	849
9 Columbia-Shuswap	13	0	3	8	192
10 Comox-Strathcona	35	7	6	25	476
11 Cowichan Valley	35	7	4	15	368
12 Dewdney-Alouette	33	13	3	30	568
13 East Kootenay	29	6	3	11	331
14 Fraser-Cheam	22	3	3	17	369
15 Fraser-Fort George	40	28	6	28	647
17 Kitimat-Stikine	24	2	2	12	189
18 Kootenay Boundary	26	3	2	14	278
19 Mount Waddington	6	0	1	4	69
20 Nanaimo	48	22	5	39	580
21 North Okanagan	32	4	4	28	448
22 Okanagan-Similkameen	31	6	5	23	488
23 Peace River	22	6	1	12	249
24 Powell River	11	0	1	6	131
25 Skeena-Queen Charlotte	19	0	0	10	160
26 Squamish-Lillooet	13	1	0	9	104
27 Stikine	1	0	0	2	9
28 Sunshine Coast	14	3	2	6	128
29 Thompson-Nicola	68	33	1	29	843
30 Fort Nelson/Liard	1	0	0	2	23
Metropolitan - Subtotal	**1,001**	**497**	**225**	**920**	**15,657**
3 Capital	220	69	45	185	3,036
16 Greater Vancouver	781	428	180	735	12,621
TOTAL	**1,703**	**688**	**301**	**1,394**	**24,716**

[1]Definitions are as in the attached text.
[2]Includes 378 Practising Employed Registered Nurses who did not provide this information.

Prepared by:
Health Human Resources 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 1990

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	**1.45**	**0.24**	**2.19**	**0.38**	**3.74**	**48.23**
1 Alberni-Clayoquot	0.66	0.33	2.64	0.33	1.98	37.30
2 Bulkley-Nechako	1.07	0.27	1.07	0.27	4.81	29.67
4 Cariboo	1.02	0.17	2.04	0.17	2.56	35.27
5 Central Coast	3.14	0.00	0.00	0.00	9.42	50.25
6 Central Fraser Valley	1.44	0.24	1.92	0.48	4.32	45.85
7 Central Kootenay	2.44	0.00	3.05	0.41	5.69	52.80
8 Central Okanagan	1.68	0.59	1.97	0.69	5.23	60.27
9 Columbia-Shuswap	1.76	0.00	3.01	0.50	3.27	33.66
10 Comox-Strathcona	0.89	0.38	1.91	0.00	2.92	45.11
11 Cowichan Valley	2.14	0.18	1.96	0.18	3.74	46.54
12 Dewdney-Alouette	1.15	0.23	2.64	0.23	3.10	48.76
13 East Kootenay	1.87	0.00	2.08	0.62	4.98	48.97
14 Fraser-Cheam	0.92	0.46	1.85	0.15	3.39	43.09
15 Fraser-Fort George	1.27	0.46	1.39	1.27	2.77	55.84
17 Kitimat-Stikine	1.27	0.00	3.29	0.51	3.29	29.38
18 Kootenay Boundary	2.00	0.00	2.67	0.33	6.01	66.72
19 Mount Waddington	2.12	0.00	0.71	0.00	0.71	37.48
20 Nanaimo	1.21	0.11	1.87	0.11	1.87	45.99
21 North Okanagan	1.77	0.35	1.77	0.71	3.71	58.85
22 Okanagan-Similkameen	1.75	0.16	2.07	0.16	3.51	59.81
23 Peace River	1.43	0.20	3.67	0.00	3.47	33.68
24 Powell River	1.09	0.00	5.99	0.00	6.54	47.93
25 Skeena-Queen Charlotte	1.74	0.87	2.18	0.00	3.92	48.34
26 Squamish-Lillooet	1.82	0.00	0.91	0.00	1.82	32.24
27 Stikine	6.39	0.00	0.00	0.00	0.00	31.93
28 Sunshine Coast	3.29	0.00	4.39	0.55	2.20	46.13
29 Thompson-Nicola	1.01	0.20	2.03	0.51	5.58	62.85
30 Fort Nelson/Liard	2.18	0.00	0.00	0.00	2.18	39.22
Metropolitan - Subtotal	**1.60**	**0.33**	**1.78**	**1.08**	**5.10**	**63.37**
3 Capital	2.06	0.38	2.20	0.89	7.47	73.59
16 Greater Vancouver	1.51	0.32	1.70	1.12	4.64	61.37
TOTAL	**1.54**	**0.29**	**1.96**	**0.78**	**4.51**	**56.82**

[1]Definitions are as in the attached text.

Prepared by:
Health Human Resources 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 1990

Regional Hospital District	Commun./ Occ. Health/ Home Care Nurse	Instructor/ Professor	Consultant/ Counsellor	Other[2]	Total
Non-Metropolitan - Subtotal	**5.18**	**1.41**	**0.56**	**3.50**	**66.89**
1 Alberni-Clayoquot	5.28	0.66	0.66	4.95	54.79
2 Bulkley-Nechako	5.35	0.53	1.07	2.94	47.05
4 Cariboo	5.28	0.17	0.34	2.73	49.76
5 Central Coast	9.42	0.00	0.00	6.28	78.52
6 Central Fraser Valley	3.36	0.84	0.36	3.24	62.05
7 Central Kootenay	6.90	2.23	1.42	3.05	77.99
8 Central Okanagan	4.64	2.37	0.59	5.72	83.75
9 Columbia-Shuswap	3.27	0.00	0.75	2.01	48.24
10 Comox-Strathcona	4.45	0.89	0.76	3.18	60.48
11 Cowichan Valley	6.24	1.25	0.71	2.67	65.62
12 Dewdney-Alouette	3.79	1.49	0.34	3.44	65.16
13 East Kootenay	6.02	1.25	0.62	2.28	68.69
14 Fraser-Cheam	3.39	0.46	0.46	2.62	56.78
15 Fraser-Fort George	4.62	3.24	0.69	3.24	74.80
17 Kitimat-Stikine	6.08	0.51	0.51	3.04	47.87
18 Kootenay Boundary	8.67	1.00	0.67	4.67	92.74
19 Mount Waddington	4.24	0.00	0.71	2.83	48.80
20 Nanaimo	5.27	2.41	0.55	4.28	63.66
21 North Okanagan	5.65	0.71	0.71	4.95	79.17
22 Okanagan-Similkameen	4.94	0.96	0.80	3.67	77.83
23 Peace River	4.49	1.22	0.20	2.45	50.82
24 Powell River	5.99	0.00	0.54	3.27	71.35
25 Skeena-Queen Charlotte	8.27	0.00	0.00	4.35	69.67
26 Squamish-Lillooet	5.90	0.45	0.00	4.09	47.23
27 Stikine	6.39	0.00	0.00	12.77	57.47
28 Sunshine Coast	7.69	1.65	1.10	3.29	70.29
29 Thompson-Nicola	6.89	3.35	0.10	2.94	85.46
30 Fort Nelson/Liard	2.18	0.00	0.00	4.36	50.11
Metropolitan - Subtotal	**5.64**	**2.80**	**1.27**	**5.18**	**88.15**
3 Capital	7.57	2.37	1.55	6.36	104.45
16 Greater Vancouver	5.26	2.88	1.21	4.95	84.96
TOTAL	**5.44**	**2.20**	**0.96**	**4.45**	**78.95**

[1]Definitions are as in the attached text.
[2]Includes 378 Practising Employed Registered Nurses who did not provide this information (see Table 8).

Prepared by:
Health Human Resources 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 1989 to June 1990

Regional Hospital District	1989[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]	1990[8]
Non-Metropolitan - Subtotal	**8,900**	**266**	**274**	**9**	**33**	**582**	**393**	**546**	**185**	**9,514**
1 Alberni-Clayoquot	170	7	4	0	0	11	10	14	1	178
2 Bulkley-Nechako	178	4	7	0	1	12	9	13	6	192
4 Cariboo	285	7	4	0	1	12	13	16	12	306
5 Central Coast	21	1	2	0	0	3	0	1	2	25
6 Central Fraser Valley	504	14	23	0	3	40	23	33	17	551
7 Central Kootenay	374	15	9	0	1	25	13	20	8	400
8 Central Okanagan	805	34	26	0	5	65	40	50	32	892
9 Columbia-Shuswap	203	3	1	0	0	4	10	10	-5	202
10 Comox-Strathcona	476	11	18	0	2	31	25	39	16	509
11 Cowichan Valley	371	8	6	1	0	15	23	29	9	389
12 Dewdney-Alouette	541	13	13	0	0	26	15	32	35	585
13 East Kootenay	328	0	16	1	4	21	19	22	-4	342
14 Fraser-Cheam	355	9	14	0	0	23	12	19	14	385
15 Fraser-Fort George	629	42	7	1	1	51	33	36	-1	676
17 Kitimat-Stikine	208	4	9	0	1	14	9	19	-7	205
18 Kootenay Boundary	289	9	2	0	0	11	5	13	-10	282
19 Mount Waddington	74	1	2	0	0	3	2	4	-2	73
20 Nanaimo	563	16	22	1	2	41	32	32	26	630
21 North Okanagan	439	13	15	0	3	31	25	24	11	482
22 Okanagan-Similkameen	467	13	19	3	2	37	12	17	4	503
23 Peace River	242	3	20	0	1	24	9	21	1	255
24 Powell River	135	2	2	1	0	5	3	8	4	139
25 Skeena-Queen Charlotte	156	4	11	1	4	20	10	12	-6	168
26 Squamish-Lillooet	107	2	0	0	0	2	5	7	2	109
27 Stikine	11	0	0	0	0	0	0	1	-1	9
28 Sunshine Coast	114	0	8	0	1	9	12	10	11	136
29 Thompson-Nicola	831	31	12	0	0	43	22	42	11	865
30 Fort Nelson/Liard	24	0	2	0	1	3	2	2	-1	26
Metropolitan - Subtotal	**15,903**	**456**	**406**	**52**	**133**	**1,047**	**736**	**1,168**	**-185**	**16,333**
3 Capital	3,074	77	96	7	8	188	162	244	30	3,210
16 Greater Vancouver	12,829	379	310	45	125	859	574	924	-215	13,123
TOTAL	**24,803**	**722**	**680**	**61**	**166**	**1,629**	**1,129**	**1,714**	**0**	**25,847**

[1]Definitions are as in the attached text.
[2]Registered Nurses who were practising members in June 1990 and whose date of initial registration was after June 1989.
[3]Number of practising Registered Nurses as at June 1989. These figures differ from those in ROLLCALL 89. See Footnote 2, Table 1.
[4]Other Canada.
[5]Registered Nurses who were practising members in June 1990 but not in June 1989 and who were registered for the first time before June 1989.
[6]Registered Nurses who were practising members in June 1989 but not in June 1990.
[7]Net effect of intraprovincial migration.
[8]Number of practising Registered Nurses as at June 1990.
Prepared by:
Health Human Resources Unit
The University of British Columbia

NURSES - REGISTERED PSYCHIATRIC

REGISTERED PSYCHIATRIC NURSES

Definition: Registered Psychiatric Nurses

Practise 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; Nursing Statutes Amendment Act, 1988, Chapter 51.

Governing Body: Registered Psychiatric Nurses Association of British Columbia (RPNABC). Registered members of the RPNABC have exclusive use of the titles *Registered Psychiatric Nurse (RPN)*, and *Licensed Graduate Psychiatric Nurse (LGPN)*.

Date of Record: October 1989 and October 1990.

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 216 practising and 35 non-practising Registered Psychiatric Nurses in B.C. report dual registration with the RPNABC and the Registered Nurses Association of B.C. (RNABC).

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[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 or a Licensed Graduate Psychiatric Nurse may hold either an *practising* or *non-practising* membership in the RPNABC. A practising Registered Psychiatric Nurse or Licensed Graduate Psychiatric Nurse must be employed in nursing. A non-practising Registered Psychiatric Nurse or Licensed Graduate Psychiatric Nurse may not actively engage in the practise of psychiatric nursing.

2. Place of Employment

Type of facility was reported by registrants on the registration renewal form. Tables 4 and 5 show this information for practising 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 registration renewal form. Tables 6 and 7 show this information for practising 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) Adult/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 registration renewal form. Tables 8 and 9 show this information for practising Registered Psychiatric Nurses employed in nursing. The categories used are:

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

Practising Registered Psychiatric Nurses Employed in Nursing per 10,000 Population by Regional Hospital District October 1990 N=1830

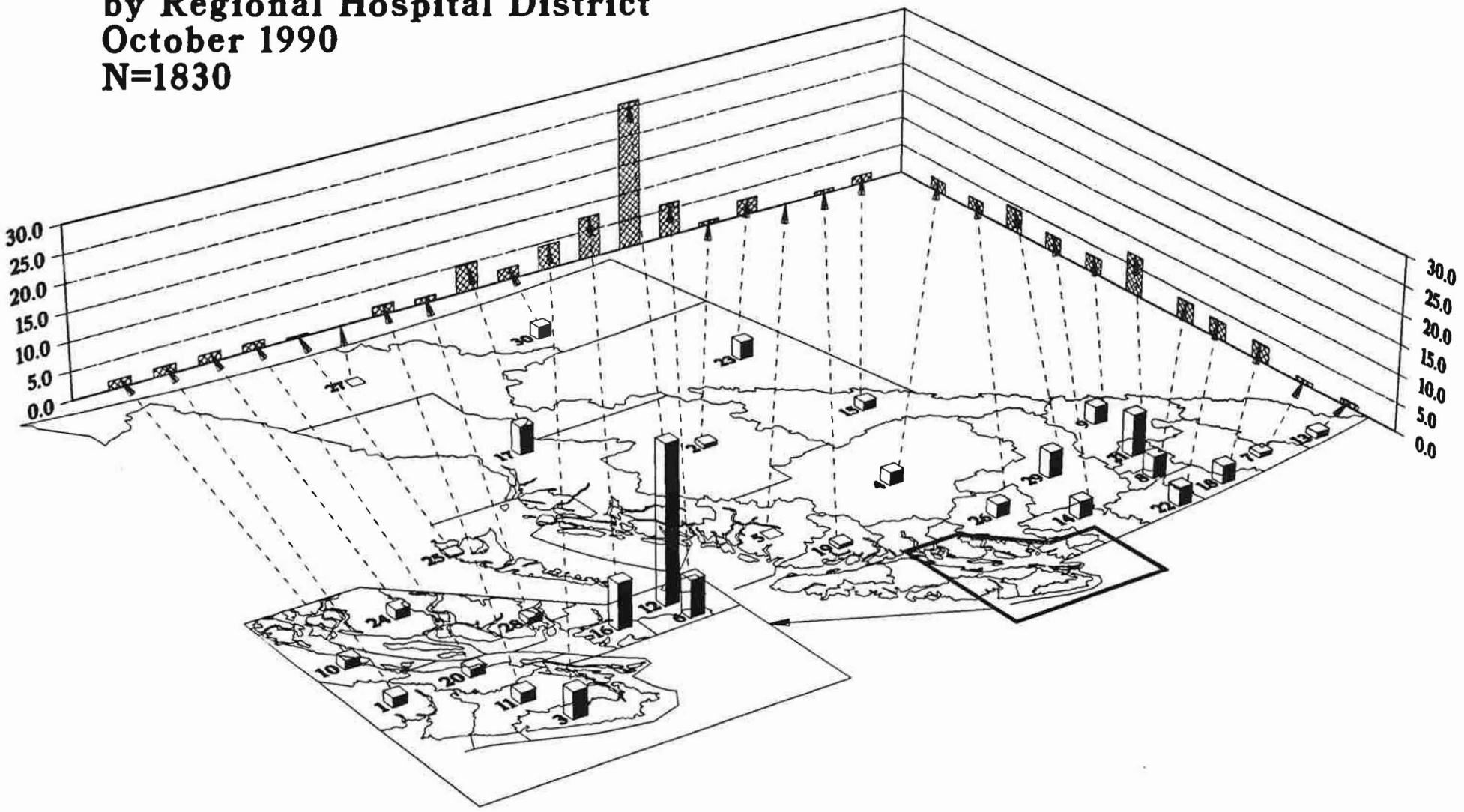

Table 1

Registered Psychiatric Nurses[1] in British Columbia

by Regional Hospital District by Registration and Employment Status

October 1989 and October 1990

Regional Hospital District	Practising: Subtotal–Employed as RPN/RN 1989	Practising: Employed as RPN 1990	Practising: Employed as RN 1990	Practising: Subtotal–Employed as RPN/RN 1990	Others 1989[2]	Others 1990[3]	Non-Practising 1989	Non-Practising 1990	Total 1989	Total 1990
Non-Metropolitan – Subtotal	**580**	**560**	**22**	**582**	**44**	**83**	**167**	**166**	**791**	**831**
1 Alberni-Clayoquot	5	5	0	5	1	0	2	3	8	8
2 Bulkley-Nechako	3	3	0	3	1	1	3	4	7	8
4 Cariboo	16	12	1	13	0	2	5	3	21	18
5 Central Coast	1	0	0	0	0	0	0	0	1	0
6 Central Fraser Valley	47	50	1	51	7	11	14	15	68	77
7 Central Kootenay	2	4	0	4	0	2	1	3	3	9
8 Central Okanagan	39	36	1	37	2	2	11	12	52	51
9 Columbia-Shuswap	9	9	3	12	0	1	11	6	20	19
10 Comox-Strathcona	9	11	1	12	1	2	5	5	15	19
11 Cowichan Valley	12	10	0	10	0	2	7	8	19	20
12 Dewdney-Alouette	232	224	2	226	12	20	40	45	284	291
13 East Kootenay	8	4	1	5	0	1	4	3	12	9
14 Fraser-Cheam	17	17	2	19	3	5	8	6	28	30
15 Fraser-Fort George	15	12	1	13	1	3	7	5	23	21
17 Kitimat-Stikine	21	19	0	19	1	1	3	3	25	23
18 Kootenay Boundary	8	9	0	9	0	1	0	0	8	10
19 Mount Waddington	1	1	0	1	0	0	1	0	2	1
20 Nanaimo	12	12	1	13	2	3	3	5	17	21
21 North Okanagan	40	36	4	40	5	11	9	8	54	59
22 Okanagan-Similkameen	21	20	0	20	1	1	5	4	27	25
23 Peace River	12	14	1	15	5	6	3	4	20	25
24 Powell River	3	3	0	3	0	0	0	0	3	3
25 Skeena-Queen Charlotte	1	1	0	1	0	1	0	0	1	2
26 Squamish-Lillooet	3	5	0	5	1	1	0	1	4	7
27 Stikine	0	0	0	0	0	0	0	0	0	0
28 Sunshine Coast	1	1	1	2	0	0	3	5	4	7
29 Thompson-Nicola	41	41	2	43	1	6	21	17	63	66
30 Fort Nelson/Liard	1	1	0	1	0	0	1	1	2	2
Metropolitan – Subtotal	**1,321**	**1,192**	**56**	**1,248**	**129**	**230**	**274**	**247**	**1,724**	**1,725**
3 Capital	138	124	5	129	12	13	20	22	170	164
16 Greater Vancouver	1,183	1,068	51	1,119	117	217	254	225	1,554	1,561
TOTAL	**1,901**	**1,752**	**78**	**1,830**	**173**	**313**	**441**	**413**	**2,515**	**2,556**

[1]Definitions are as in the attached text.
[2]Includes 6 Registered Psychiatric Nurses employed as LPNs, 15 employed in other than nursing, 23 unemployed and 129 unknown.
[3]Includes 7 Registered Psychiatric Nurses employed as LPNs, 23 employed in other than nursing, 35 unemployed and 248 unknown.

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Table 2

Registered Psychiatric Nurses[1] in British Columbia

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

October 1989[2] and October 1990

	Practising									
	Subtotal-Employed as RPN/RN	Employed as RPN	Employed as RN	Subtotal-Employed as RPN/RN	Others		Non-Practising		Total	
Regional Hospital District	1989	1990	1990	1990	1989[2]	1990[3]	1989	1990	1989	1990
Non-Metropolitan - Subtotal	**4.36**	**4.13**	**0.16**	**4.30**	**0.33**	**0.61**	**1.26**	**1.23**	**5.95**	**6.14**
1 Alberni-Clayoquot	1.67	1.65	0.00	1.65	0.33	0.00	0.67	0.99	2.67	2.64
2 Bulkley-Nechako	0.81	0.80	0.00	0.80	0.27	0.27	0.81	1.07	1.89	2.14
4 Cariboo	2.74	2.04	0.17	2.22	0.00	0.34	0.86	0.51	3.60	3.07
5 Central Coast	3.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.13	0.00
6 Central Fraser Valley	5.91	6.00	0.12	6.12	0.88	1.32	1.76	1.80	8.55	9.24
7 Central Kootenay	0.41	0.81	0.00	0.81	0.00	0.41	0.21	0.61	0.62	1.83
8 Central Okanagan	3.99	3.55	0.10	3.65	0.20	0.20	1.13	1.18	5.32	5.03
9 Columbia-Shuswap	2.27	2.26	0.75	3.01	0.00	0.25	2.77	1.51	5.04	4.77
10 Comox-Strathcona	1.18	1.40	0.13	1.52	0.13	0.25	0.65	0.64	1.96	2.41
11 Cowichan Valley	2.17	1.78	0.00	1.78	0.00	0.36	1.27	1.43	3.44	3.57
12 Dewdney-Alouette	28.18	25.70	0.23	25.93	1.46	2.29	4.86	5.16	34.50	33.38
13 East Kootenay	1.64	0.83	0.21	1.04	0.00	0.21	0.82	0.62	2.47	1.87
14 Fraser-Cheam	2.70	2.62	0.31	2.92	0.48	0.77	1.27	0.92	4.45	4.62
15 Fraser-Fort George	1.74	1.39	0.12	1.50	0.12	0.35	0.81	0.58	2.67	2.43
17 Kitimat-Stikine	5.36	4.81	0.00	4.81	0.26	0.25	0.77	0.76	6.38	5.82
18 Kootenay Boundary	2.68	3.00	0.00	3.00	0.00	0.33	0.00	0.00	2.68	3.34
19 Mount Waddington	0.70	0.71	0.00	0.71	0.00	0.00	0.70	0.00	1.41	0.71
20 Nanaimo	1.36	1.32	0.11	1.43	0.23	0.33	0.34	0.55	1.93	2.31
21 North Okanagan	7.12	6.36	0.71	7.07	0.89	1.94	1.60	1.41	9.61	10.43
22 Okanagan-Similkameen	3.39	3.19	0.00	3.19	0.16	0.16	0.81	0.64	4.36	3.99
23 Peace River	2.43	2.86	0.20	3.06	1.01	1.22	0.61	0.82	4.05	5.10
24 Powell River	1.65	1.63	0.00	1.63	0.00	0.00	0.00	0.00	1.65	1.63
25 Skeena-Queen Charlotte	0.44	0.44	0.00	0.44	0.00	0.44	0.00	0.00	0.44	0.87
26 Squamish-Lillooet	1.40	2.27	0.00	2.27	0.47	0.45	0.00	0.45	1.87	3.18
27 Stikine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28 Sunshine Coast	0.56	0.55	0.55	1.10	0.00	0.00	1.68	2.75	2.24	3.84
29 Thompson-Nicola	4.19	4.16	0.20	4.36	0.10	0.61	2.14	1.72	6.43	6.69
30 Fort Nelson/Liard	2.13	2.18	0.00	2.18	0.00	0.00	2.13	2.18	4.27	4.36
Metropolitan - Subtotal	**7.66**	**6.71**	**0.32**	**7.03**	**0.75**	**1.29**	**1.59**	**1.39**	**10.00**	**9.71**
3 Capital	4.88	4.27	0.17	4.44	0.42	0.45	0.71	0.76	6.01	5.64
16 Greater Vancouver	8.21	7.19	0.34	7.53	0.81	1.46	1.76	1.51	10.78	10.51
TOTAL	**6.23**	**5.60**	**0.25**	**5.85**	**0.57**	**1.00**	**1.44**	**1.32**	**8.24**	**8.16**

[1]Definitions are as in the attached text.
[2]The figures may differ from the corresponding figures for 1989 appearing in ROLLCALL 89. See Foreword.
[3]Includes 6 Registered Psychiatric Nurses employed as LPNs, 15 employed in other than nursing, 23 unemployed and 129 unknown.
[4]Includes 7 Registered Psychiatric Nurses employed as LPNs, 23 employed in other than nursing, 35 unemployed and 248 unknown.

Prepared by:
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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 1989 to October 1990[2]

Regional Hospital District	Practising		Non-Practising		Total	
	Number[3]	Ratio[4]	Number[3]	Ratio[4]	Number[3]	Ratio[4]
Non-Metropolitan - Subtotal	**6.57**	**4.60**	**-0.60**	**-2.44**	**5.06**	**3.11**
1 Alberni-Clayoquot	*	*	*	*	*	*
2 Bulkley-Nechako	*	*	*	*	*	*
4 Cariboo	-6.25	-6.87	*	*	-14.29	-14.85
5 Central Coast	*	*	*	*	*	*
6 Central Fraser Valley	14.81	9.55	7.14	2.23	13.24	8.05
7 Central Kootenay	*	*	*	*	*	*
8 Central Okanagan	-4.88	-8.27	9.09	5.21	-1.92	-5.42
9 Columbia-Shuswap	*	*	-45.45	-45.66	-5.00	-5.37
10 Comox-Strathcona	40.00	35.93	*	*	26.67	22.98
11 Cowichan Valley	0.00	-1.59	*	*	5.26	3.59
12 Dewdney-Alouette	0.82	-4.77	12.50	6.26	2.46	-3.22
13 East Kootenay	*	*	*	*	-25.00	-24.29
14 Fraser-Cheam	20.00	16.22	*	*	7.14	3.77
15 Fraser-Fort George	0.00	-0.29	*	*	-8.70	-8.96
17 Kitimat-Stikine	-9.09	-9.75	*	*	-8.00	-8.67
18 Kootenay Boundary	*	*	*	*	*	*
19 Mount Waddington	*	*	*	*	*	*
20 Nanaimo	14.29	10.78	*	*	23.53	19.74
21 North Okanagan	13.33	12.54	*	*	9.26	8.49
22 Okanagan-Similkameen	-4.55	-5.73	*	*	-7.41	-8.56
23 Peace River	23.53	24.41	*	*	25.00	25.89
24 Powell River	*	*	*	*	*	*
25 Skeena-Queen Charlotte	*	*	*	*	*	*
26 Squamish-Lillooet	*	*	*	*	*	*
27 Stikine	*	*	*	*	*	*
28 Sunshine Coast	*	*	*	*	*	*
29 Thompson-Nicola	16.67	15.79	-19.05	-19.66	4.76	3.97
30 Fort Nelson/Liard	*	*	*	*	*	*
Metropolitan - Subtotal	**1.93**	**-1.06**	**-9.85**	**-12.50**	**0.06**	**-2.88**
3 Capital	-5.33	-7.82	10.00	7.11	-3.53	-6.06
16 Greater Vancouver	2.77	-0.30	-11.42	-14.07	0.45	-2.55
TOTAL	**3.33**	**0.78**	**-6.35**	**-8.66**	**1.63**	**-0.87**

[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 Human Resources Unit
The University of British Columbia

Table 4

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

by Regional Hospital District by Place of Employment

October 1990

Regional Hospital District	Psychiatric Hospital	Mental Retardation	Long Term Care	Correctional	Forensic	Adolescent Psychiatry	Child Psychiatry
Non-Metropolitan - Subtotal	**153**	**39**	**80**	**16**	**36**	**7**	**1**
1 Alberni-Clayoquot	0	0	0	0	0	0	0
2 Bulkley-Nechako	0	0	0	0	0	0	0
4 Cariboo	2	0	5	0	0	0	0
5 Central Coast	0	0	0	0	0	0	0
6 Central Fraser Valley	12	4	3	9	6	0	0
7 Central Kootenay	1	0	1	0	0	0	0
8 Central Okanagan	2	0	11	0	0	0	0
9 Columbia-Shuswap	1	0	2	0	0	0	0
10 Comox-Strathcona	2	0	1	0	0	1	0
11 Cowichan Valley	1	1	1	0	0	0	0
12 Dewdney-Alouette	122	15	8	5	27	3	1
13 East Kootenay	1	0	0	0	0	0	0
14 Fraser-Cheam	3	0	2	1	1	1	0
15 Fraser-Fort George	0	0	0	0	0	0	0
17 Kitimat-Stikine	0	1	6	0	0	0	0
18 Kootenay Boundary	0	0	3	1	0	0	0
19 Mount Waddington	0	0	0	0	0	0	0
20 Nanaimo	0	0	3	0	0	0	0
21 North Okanagan	1	7	11	0	0	0	0
22 Okanagan-Similkameen	0	1	9	0	0	0	0
23 Peace River	1	1	3	0	1	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	2	0	1	0	0
27 Stikine	0	0	0	0	0	0	0
28 Sunshine Coast	0	0	1	0	0	0	0
29 Thompson-Nicola	3	8	8	0	0	2	0
30 Fort Nelson/Liard	0	0	0	0	0	0	0
Metropolitan - Subtotal	**417**	**241**	**99**	**15**	**59**	**34**	**2**
3 Capital	10	60	23	0	1	1	0
16 Greater Vancouver	407	181	76	15	58	33	2
TOTAL	**570**	**280**	**179**	**31**	**95**	**41**	**3**

[1]Definitions are as in the attached text.

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... *continued*

Table 4
(Continued)

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

by Regional Hospital District by Place of Employment

October 1990

Regional Hospital District	General Hospital[2]	Alcohol/ Drug	Community Mental Health	Boarding Home	Educational Institution	Other[3]	Total
Non-Metropolitan - Subtotal	**114**	**12**	**32**	**36**	**3**	**53**	**582**
1 Alberni-Clayoquot	3	0	0	0	0	2	5
2 Bulkley-Nechako	0	0	1	0	1	1	3
4 Cariboo	3	0	1	1	0	1	13
5 Central Coast	0	0	0	0	0	0	0
6 Central Fraser Valley	2	1	2	4	0	8	51
7 Central Kootenay	2	0	0	0	0	0	4
8 Central Okanagan	17	0	1	3	0	3	37
9 Columbia-Shuswap	3	0	1	3	0	2	12
10 Comox-Strathcona	4	0	2	0	0	2	12
11 Cowichan Valley	6	0	0	0	0	1	10
12 Dewdney-Alouette	8	5	4	11	1	16	226
13 East Kootenay	2	0	1	0	0	1	5
14 Fraser-Cheam	9	0	0	1	0	1	19
15 Fraser-Fort George	7	0	4	1	0	1	13
17 Kitimat-Stikine	8	0	3	0	0	1	19
18 Kootenay Boundary	4	0	1	0	0	0	9
19 Mount Waddington	0	0	1	0	0	0	1
20 Nanaimo	6	2	1	0	1	0	13
21 North Okanagan	9	2	3	2	0	5	40
22 Okanagan-Similkameen	6	0	2	1	0	1	20
23 Peace River	4	0	2	0	0	3	15
24 Powell River	2	0	0	0	0	0	3
25 Skeena-Queen Charlotte	0	0	0	1	0	0	1
26 Squamish-Lillooet	1	0	0	0	0	0	5
27 Stikine	0	0	0	0	0	0	0
28 Sunshine Coast	1	0	0	0	0	0	2
29 Thompson-Nicola	7	2	2	8	0	3	43
30 Fort Nelson/Liard	0	0	0	0	0	1	1
Metropolitan - Subtotal	**167**	**21**	**84**	**31**	**8**	**70**	**1,248**
3 Capital	21	2	5	0	0	6	129
16 Greater Vancouver	146	19	79	31	8	64	1,119
TOTAL	**281**	**33**	**116**	**67**	**11**	**123**	**1,830**

[1]Definitions are as in the attached xt.
[2]Includes 182 practising RPNs employed in psychiatric units of general hospitals.
[3]Includes 55 practising RPNs who did not provide information, and 68 other.

Prepared by:
Health Human Resources Unit
The University of British Columbia

Table 5

Practising Registered Psychiatric Nurses[1] Employed in Nursing in British Columbia per 10,000 Population by Regional Hospital District by Place of Employment

October 1990

Regional Hospital District	Psychiatric Hospital	Mental Retardation	Long Term Care	Correctional	Forensic	Adolescent Psychiatry	Child Psychiatry
Non-Metropolitan - Subtotal	**1.13**	**0.29**	**0.59**	**0.12**	**0.27**	**0.05**	**0.01**
1 Alberni-Clayoquot	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 Bulkley-Nechako	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4 Cariboo	0.34	0.00	0.85	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	1.44	0.48	0.36	1.08	0.72	0.00	0.00
7 Central Kootenay	0.20	0.00	0.20	0.00	0.00	0.00	0.00
8 Central Okanagan	0.20	0.00	1.09	0.00	0.00	0.00	0.00
9 Columbia-Shuswap	0.25	0.00	0.50	0.00	0.00	0.00	0.00
10 Comox-Strathcona	0.25	0.00	0.13	0.00	0.00	0.13	0.00
11 Cowichan Valley	0.18	0.18	0.18	0.00	0.00	0.00	0.00
12 Dewdney-Alouette	14.00	1.72	0.92	0.57	3.10	0.34	0.11
13 East Kootenay	0.21	0.00	0.00	0.00	0.00	0.00	0.00
14 Fraser-Cheam	0.46	0.00	0.31	0.15	0.15	0.15	0.00
15 Fraser-Fort George	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17 Kitimat-Stikine	0.00	0.25	1.52	0.00	0.00	0.00	0.00
18 Kootenay Boundary	0.00	0.00	1.00	0.33	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	0.00	0.00	0.33	0.00	0.00	0.00	0.00
21 North Okanagan	0.18	1.24	1.94	0.00	0.00	0.00	0.00
22 Okanagan-Similkameen	0.00	0.16	1.44	0.00	0.00	0.00	0.00
23 Peace River	0.20	0.20	0.61	0.00	0.20	0.00	0.00
24 Powell River	0.00	0.54	0.00	0.00	0.00	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	0.45	0.00	0.91	0.00	0.45	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	0.55	0.00	0.00	0.00	0.00
29 Thompson-Nicola	0.30	0.81	0.81	0.00	0.00	0.20	0.00
30 Fort Nelson/Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Metropolitan - Subtotal	**2.35**	**1.36**	**0.56**	**0.08**	**0.33**	**0.19**	**0.01**
3 Capital	0.34	2.06	0.79	0.00	0.03	0.03	0.00
16 Greater Vancouver	2.74	1.22	0.51	0.10	0.39	0.22	0.01
TOTAL	**1.82**	**0.89**	**0.57**	**0.10**	**0.30**	**0.13**	**0.01**

[1]Definitions are as in the attached text.

Prepared by:
Health Human Resources Unit
The University of British Columbia

... *continued*

Table 5
(Continued)

Practising Registered Psychiatric Nurses[1] Employed in Nursing in British Columbia per 10,000 Population by Regional Hospital District by Place of Employment

October 1990

Regional Hospital District	General Hospital[2]	Alcohol/ Drug	Community Mental Health	Boarding Home	Educational Institution	Other[3]	Total
Non-Metropolitan - Subtotal	**0.84**	**0.09**	**0.24**	**0.27**	**0.02**	**0.39**	**4.30**
1 Alberni-Clayoquot	0.99	0.00	0.00	0.00	0.00	0.66	1.65
2 Bulkley-Nechako	0.00	0.00	0.27	0.00	0.27	0.27	0.80
4 Cariboo	0.51	0.00	0.17	0.17	0.00	0.17	2.22
5 Central Coast	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6 Central Fraser Valley	0.24	0.12	0.24	0.48	0.00	0.96	6.12
7 Central Kootenay	0.41	0.00	0.00	0.00	0.00	0.00	0.81
8 Central Okanagan	1.68	0.00	0.10	0.30	0.00	0.30	3.65
9 Columbia-Shuswap	0.75	0.00	0.25	0.75	0.00	0.50	3.01
10 Comox-Strathcona	0.51	0.00	0.25	0.00	0.00	0.25	1.52
11 Cowichan Valley	1.07	0.00	0.00	0.00	0.00	0.18	1.78
12 Dewdney-Alouette	0.92	0.57	0.46	1.26	0.11	1.84	25.93
13 East Kootenay	0.42	0.00	0.21	0.00	0.00	0.21	1.04
14 Fraser-Cheam	1.38	0.00	0.00	0.15	0.00	0.15	2.92
15 Fraser-Fort George	0.81	0.00	0.46	0.12	0.00	0.12	1.50
17 Kitimat-Stikine	2.03	0.00	0.76	0.00	0.00	0.25	4.81
18 Kootenay Boundary	1.33	0.00	0.33	0.00	0.00	0.00	3.00
19 Mount Waddington	0.00	0.00	0.71	0.00	0.00	0.00	0.71
20 Nanaimo	0.66	0.22	0.11	0.00	0.11	0.00	1.43
21 North Okanagan	1.59	0.35	0.53	0.35	0.00	0.88	7.07
22 Okanagan-Similkameen	0.96	0.00	0.32	0.16	0.00	0.16	3.19
23 Peace River	0.82	0.00	0.41	0.00	0.00	0.61	3.06
24 Powell River	1.09	0.00	0.00	0.00	0.00	0.00	1.63
25 Skeena-Queen Charlotte	0.00	0.00	0.00	0.44	0.00	0.00	0.44
26 Squamish-Lillooet	0.45	0.00	0.00	0.00	0.00	0.00	2.27
27 Stikine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28 Sunshine Coast	0.55	0.00	0.00	0.00	0.00	0.00	1.10
29 Thompson-Nicola	0.71	0.20	0.20	0.81	0.00	0.30	4.36
30 Fort Nelson/Liard	0.00	0.00	0.00	0.00	0.00	2.18	2.18
Metropolitan - Subtotal	**0.94**	**0.12**	**0.47**	**0.17**	**0.05**	**0.39**	**7.03**
3 Capital	0.72	0.07	0.17	0.00	0.00	0.21	4.44
16 Greater Vancouver	0.98	0.13	0.53	0.21	0.05	0.43	7.53
TOTAL	**0.90**	**0.11**	**0.37**	**0.21**	**0.04**	**0.39**	**5.85**

[1]Definitions are as in the attached text.
[2]Includes 182 practising RPNs employed in psychiatric units of general hospitals.
[3]Includes 55 practising RPNs who did not provide this information, and 68 other.

Prepared by:
Health Human Resources Unit
The University of British Columbia

Table 6

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

by Regional Hospital District by Primary Area of Responsibility

October 1990

Regional Hospital District	Acute Adult Psychiatry	Chronic Adult Psychiatry	Child Psychiatry	Mental Retardation	Psycho-geriatric	Geriatric	Corrections	Forensic
Non-Metropolitan - Subtotal	**134**	**92**	**5**	**46**	**71**	**50**	**20**	**31**
1 Alberni-Clayoquot	2	0	0	0	0	0	0	0
2 Bulkley-Nechako	1	0	0	0	0	0	0	0
4 Cariboo	2	1	0	3	0	3	0	0
5 Central Coast	0	0	0	0	0	0	0	0
6 Central Fraser Valley	6	11	0	2	2	5	9	5
7 Central Kootenay	2	1	0	0	0	1	0	0
8 Central Okanagan	16	2	0	0	11	3	0	0
9 Columbia-Shuswap	1	1	0	2	2	1	0	0
10 Comox-Strathcona	3	1	0	0	1	1	0	0
11 Cowichan Valley	4	0	0	2	0	0	0	0
12 Dewdney-Alouette	41	52	3	13	38	10	7	21
13 East Kootenay	2	1	0	0	0	0	0	0
14 Fraser-Cheam	7	0	1	0	0	2	3	2
15 Fraser-Fort George	5	2	0	0	0	0	0	0
17 Kitimat-Stikine	8	3	0	1	2	3	0	0
18 Kootenay Boundary	4	1	0	0	1	1	1	0
19 Mount Waddington	0	0	1	0	0	0	0	0
20 Nanaimo	5	1	0	0	0	3	0	0
21 North Okanagan	5	3	0	7	11	4	0	0
22 Okanagan-Similkameen	6	3	0	3	0	5	0	0
23 Peace River	6	2	0	1	0	2	0	1
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	3	0	0	0	1	0	1
27 Stikine	0	0	0	0	0	0	0	0
28 Sunshine Coast	1	0	0	0	0	1	0	0
29 Thompson-Nicola	6	4	0	11	3	4	0	1
30 Fort Nelson/Liard	0	0	0	0	0	0	0	0
Metropolitan - Subtotal	**268**	**187**	**13**	**227**	**127**	**109**	**11**	**64**
3 Capital	28	3	0	53	2	20	0	1
16 Greater Vancouver	240	184	13	174	125	89	11	63
TOTAL	**402**	**279**	**18**	**273**	**198**	**159**	**31**	**95**

[1]Definitions are as in the attached text.

Prepared by:
Health Human Resources Unit
The University of British Columbia

... *continued*

Table 6
(Continued)

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

by Regional Hospital District by Primary Area of Responsibility

October 1990

Regional Hospital District	Adult/ Drug	Rehab/ Vocational	Education	Counselling	Admini- stration	General Nursing	Other[2]	Total
Non-Metropolitan - Subtotal	**12**	**3**	**5**	**17**	**19**	**26**	**51**	**582**
1 Alberni-Clayoquot	0	1	0	1	0	0	1	5
2 Bulkley-Nechako	0	0	1	0	1	0	0	3
4 Cariboo	0	0	0	0	0	4	0	13
5 Central Coast	0	0	0	0	0	0	0	0
6 Central Fraser Valley	1	0	0	1	1	1	7	51
7 Central Kootenay	0	0	0	0	0	0	0	4
8 Central Okanagan	0	0	0	1	0	0	4	37
9 Columbia-Shuswap	0	0	0	2	2	1	0	12
10 Comox-Strathcona	0	0	0	1	0	2	3	12
11 Cowichan Valley	0	0	1	0	0	0	3	10
12 Dewdney-Alouette	5	2	2	2	7	7	16	226
13 East Kootenay	0	0	0	0	0	1	1	5
14 Fraser-Cheam	0	0	0	0	0	2	2	19
15 Fraser-Fort George	0	0	0	3	0	1	2	13
17 Kitimat-Stikine	0	0	0	1	0	0	1	19
18 Kootenay Boundary	0	0	0	0	0	0	1	9
19 Mount Waddington	0	0	0	0	0	0	0	1
20 Nanaimo	2	0	1	0	0	1	0	13
21 North Okanagan	2	0	0	2	2	1	3	40
22 Okanagan-Similkameen	0	0	0	0	2	1	0	20
23 Peace River	0	0	0	0	0	1	2	15
24 Powell River	0	0	0	1	0	0	0	3
25 Skeena-Queen Charlotte	0	0	0	1	0	0	0	1
26 Squamish-Lillooet	0	0	0	0	0	0	0	5
27 Stikine	0	0	0	0	0	0	0	0
28 Sunshine Coast	0	0	0	0	0	0	0	2
29 Thompson-Nicola	2	0	0	1	4	3	4	43
30 Fort Nelson/Liard	0	0	0	0	0	0	1	1
Metropolitan - Subtotal	**17**	**10**	**12**	**23**	**32**	**56**	**92**	**1,248**
3 Capital	2	2	0	1	7	3	7	129
16 Greater Vancouver	15	8	12	22	25	53	85	1,119
TOTAL	**29**	**13**	**17**	**40**	**51**	**82**	**143**	**1,830**

[1]Definitions are as in the attached text.
[2]Includes 85 practising RPNs who did not provide this information, and 58 other.

Prepared by:
Health Human Resources Unit
The University of British Columbia

Table 7

Practising Registered Psychiatric Nurses[1] Employed in Nursing in British Columbia per 10,000 Population by Regional Hospital District by Primary Area of Responsibility

October 1990

Regional Hospital District	Acute Adult Psychiatry	Chronic Adult Psychiatry	Child Psychiatry	Mental Retardation	Psycho-geriatric	Geriatric	Corrections	Forensic
Non-Metropolitan - Subtotal	**0.99**	**0.68**	**0.04**	**0.34**	**0.52**	**0.37**	**0.15**	**0.23**
1 Alberni-Clayoquot	0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 Bulkley-Nechako	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4 Cariboo	0.34	0.17	0.00	0.51	0.00	0.51	0.00	0.00
5 Central Coast	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6 Central Fraser Valley	0.72	1.32	0.00	0.24	0.24	0.60	1.08	0.60
7 Central Kootenay	0.41	0.20	0.00	0.00	0.00	0.20	0.00	0.00
8 Central Okanagan	1.58	0.20	0.00	0.00	1.09	0.30	0.00	0.00
9 Columbia-Shuswap	0.25	0.25	0.00	0.50	0.50	0.25	0.00	0.00
10 Comox-Strathcona	0.38	0.13	0.00	0.00	0.13	0.13	0.00	0.00
11 Cowichan Valley	0.71	0.00	0.00	0.36	0.00	0.00	0.00	0.00
12 Dewdney-Alouette	4.70	5.97	0.34	1.49	4.36	1.15	0.80	2.41
13 East Kootenay	0.42	0.21	0.00	0.00	0.00	0.00	0.00	0.00
14 Fraser-Cheam	1.08	0.00	0.15	0.00	0.00	0.31	0.46	0.31
15 Fraser-Fort George	0.58	0.23	0.00	0.00	0.00	0.00	0.00	0.00
17 Kitimat-Stikine	2.03	0.76	0.00	0.25	0.51	0.76	0.00	0.00
18 Kootenay Boundary	1.33	0.33	0.00	0.00	0.33	0.33	0.33	0.00
19 Mount Waddington	0.00	0.00	0.71	0.00	0.00	0.00	0.00	0.00
20 Nanaimo	0.55	0.11	0.00	0.00	0.00	0.33	0.00	0.00
21 North Okanagan	0.88	0.53	0.00	1.24	1.94	0.71	0.00	0.00
22 Okanagan-Similkameen	0.96	0.48	0.00	0.48	0.00	0.80	0.00	0.00
23 Peace River	1.22	0.41	0.00	0.20	0.00	0.41	0.00	0.20
24 Powell River	0.54	0.00	0.00	0.54	0.00	0.00	0.00	0.00
25 Skeena-Queen Charlotte	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26 Squamish-Lillooet	0.00	1.36	0.00	0.00	0.00	0.45	0.00	0.45
27 Stikine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28 Sunshine Coast	0.55	0.00	0.00	0.00	0.00	0.55	0.00	0.00
29 Thompson-Nicola	0.61	0.41	0.00	1.12	0.30	0.41	0.00	0.10
30 Fort Nelson/Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Metropolitan - Subtotal	**1.51**	**1.05**	**0.07**	**1.28**	**0.72**	**0.61**	**0.06**	**0.36**
3 Capital	0.96	0.10	0.00	1.82	0.07	0.69	0.00	0.03
16 Greater Vancouver	1.62	1.24	0.09	1.17	0.84	0.60	0.07	0.42
TOTAL	**1.28**	**0.89**	**0.06**	**0.87**	**0.63**	**0.51**	**0.10**	**0.30**

[1]Definitions are as in the attached text.

Prepared by:
Health Human Resources Unit
The University of British Columbia

... *continued*

Table 7
(Continued)

Practising Registered Psychiatric Nurses[1] Employed in Nursing in British Columbia per 10,000 Population by Regional Hospital District by Primary Area of Responsibility

October 1990

Regional Hospital District	Adult/ Drug	Rehab/ Vocational	Education	Counselling	Admini- stration	General Nursing	Other[2]	Total
Non-Metropolitan - Subtotal	**0.09**	**0.02**	**0.04**	**0.13**	**0.14**	**0.19**	**0.38**	**4.30**
1 Alberni-Clayoquot	0.00	0.33	0.00	0.33	0.00	0.00	0.33	1.65
2 Bulkley-Nechako	0.00	0.00	0.27	0.00	0.27	0.00	0.00	0.80
4 Cariboo	0.00	0.00	0.00	0.00	0.00	0.68	0.00	2.22
5 Central Coast	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6 Central Fraser Valley	0.12	0.00	0.00	0.12	0.12	0.12	0.84	6.12
7 Central Kootenay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.81
8 Central Okanagan	0.00	0.00	0.00	0.10	0.00	0.00	0.39	3.65
9 Columbia-Shuswap	0.00	0.00	0.00	0.50	0.50	0.25	0.00	3.01
10 Comox-Strathcona	0.00	0.00	0.00	0.13	0.00	0.25	0.38	1.52
11 Cowichan Valley	0.00	0.00	0.18	0.00	0.00	0.00	0.53	1.78
12 Dewdney-Alouette	0.57	0.23	0.23	0.23	0.80	0.80	1.84	25.93
13 East Kootenay	0.00	0.00	0.00	0.00	0.00	0.21	0.21	1.04
14 Fraser-Cheam	0.00	0.00	0.00	0.00	0.00	0.31	0.31	2.92
15 Fraser-Fort George	0.00	0.00	0.00	0.35	0.00	0.12	0.23	1.50
17 Kitimat-Stikine	0.00	0.00	0.00	0.25	0.00	0.00	0.25	4.81
18 Kootenay Boundary	0.00	0.00	0.00	0.00	0.00	0.00	0.33	3.00
19 Mount Waddington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.71
20 Nanaimo	0.22	0.00	0.11	0.00	0.00	0.11	0.00	1.43
21 North Okanagan	0.35	0.00	0.00	0.35	0.35	0.18	0.53	7.07
22 Okanagan-Similkameen	0.00	0.00	0.00	0.00	0.32	0.16	0.00	3.19
23 Peace River	0.00	0.00	0.00	0.00	0.00	0.20	0.41	3.06
24 Powell River	0.00	0.00	0.00	0.54	0.00	0.00	0.00	1.63
25 Skeena-Queen Charlotte	0.00	0.00	0.00	0.44	0.00	0.00	0.00	0.44
26 Squamish-Lillooet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.27
27 Stikine	0.00	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	1.10
29 Thompson-Nicola	0.20	0.00	0.00	0.10	0.41	0.30	0.41	4.36
30 Fort Nelson/Liard	0.00	0.00	0.00	0.00	0.00	0.00	2.18	2.18
Metropolitan - Subtotal	**0.10**	**0.06**	**0.07**	**0.13**	**0.18**	**0.32**	**0.52**	**7.03**
3 Capital	0.07	0.07	0.00	0.03	0.24	0.10	0.24	4.44
16 Greater Vancouver	0.10	0.05	0.08	0.15	0.17	0.36	0.57	7.53
TOTAL	**0.09**	**0.04**	**0.05**	**0.13**	**0.16**	**0.26**	**0.46**	**5.85**

[1]Definitions are as in the attached text.
[2]Includes 85 practising RPNs who did not provide this information, and 58 other (see Table 6).

Prepared by:
Health Human Resources Unit
The University of British Columbia

Table 8

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

by Regional Hospital District by Employment Position

October 1990

Regional Hospital District	Director/ Associate/ Assistant Director[2]	Supervisor/ Coordinator	Head Nurse/ Assistant Head Nurse/ Team Leader[3]	General/ Staff Nurse	Community Worker/ Nurse	Instructor[4]	Other[5]	Total
Non-Metropolitan - Subtotal	**31**	**31**	**65**	**351**	**36**	**4**	**64**	**582**
1 Alberni-Clayoquot	0	1	0	3	0	0	1	5
2 Bulkley-Nechako	0	1	0	0	1	1	0	3
4 Cariboo	0	1	0	8	1	0	3	13
5 Central Coast	0	0	0	0	0	0	0	0
6 Central Fraser Valley	5	3	6	31	1	0	5	51
7 Central Kootenay	1	0	0	3	0	0	0	4
8 Central Okanagan	2	1	3	29	0	0	2	37
9 Columbia-Shuswap	1	1	2	4	1	0	3	12
10 Comox-Strathcona	0	1	1	6	2	0	2	12
11 Cowichan Valley	0	0	1	6	0	0	3	10
12 Dewdney-Alouette	6	11	37	144	6	2	20	226
13 East Kootenay	0	0	0	3	1	0	1	5
14 Fraser-Cheam	1	0	2	15	0	0	1	19
15 Fraser-Fort George	0	1	0	7	4	0	1	13
17 Kitimat-Stikine	0	0	2	12	4	0	1	19
18 Kootenay Boundary	0	0	3	5	1	0	0	9
19 Mount Waddington	0	0	0	0	1	0	0	1
20 Nanaimo	1	0	0	9	1	1	1	13
21 North Okanagan	2	3	0	21	6	0	8	40
22 Okanagan-Similkameen	5	1	1	11	1	0	1	20
23 Peace River	1	0	2	9	1	0	2	15
24 Powell River	0	2	0	1	0	0	0	3
25 Skeena-Queen Charlotte	1	0	0	0	0	0	0	1
26 Squamish-Lillooet	1	0	0	4	0	0	0	5
27 Stikine	0	0	0	0	0	0	0	0
28 Sunshine Coast	0	0	0	2	0	0	0	2
29 Thompson-Nicola	4	4	5	18	4	0	8	43
30 Fort Nelson/Liard	0	0	0	0	0	0	1	1
Metropolitan - Subtotal	**22**	**51**	**158**	**839**	**78**	**10**	**90**	**1,248**
3 Capital	2	10	17	85	5	0	10	129
16 Greater Vancouver	20	41	141	754	73	10	80	1,119
TOTAL	**53**	**82**	**223**	**1,190**	**114**	**14**	**154**	**1,830**

[1]Definitions are as in the attached text.
[2]Includes 36 Directors, 3 Associate Directors and 14 Assistant Directors.
[3]Includes 3 Clinical Specialist positions.
[4]Includes 4 Inservice/Staff Development positions.
[5]Includes 78 practising RPNs who did not provide this information, and 76 other.

Prepared by:
Health Human Resources Unit
The University of British Columbia

Table 9

Practising Registered Psychiatric Nurses[1] Employed in Nursing in British Columbia per 10,000 Population by Regional Hospital District by Employment Position

October 1990

Regional Hospital District	Director/ Associate/ Assistant Director[2]	Supervisor/ Coordinator	Head Nurse/ Assistant Head Nurse/ Team Leader[3]	General/ Staff Nurse	Community Worker/ Nurse	Instructor[4]	Other[5]	Total
Non-Metropolitan - Subtotal	**0.23**	**0.23**	**0.48**	**2.59**	**0.27**	**0.03**	**0.47**	**4.30**
1 Alberni-Clayoquot	0.00	0.33	0.00	0.99	0.00	0.00	0.33	1.65
2 Bulkley-Nechako	0.00	0.27	0.00	0.00	0.27	0.27	0.00	0.80
4 Cariboo	0.00	0.17	0.00	1.36	0.17	0.00	0.51	2.22
5 Central Coast	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6 Central Fraser Valley	0.60	0.36	0.72	3.72	0.12	0.00	0.60	6.12
7 Central Kootenay	0.20	0.00	0.00	0.61	0.00	0.00	0.00	0.81
8 Central Okanagan	0.20	0.10	0.30	2.86	0.00	0.00	0.20	3.65
9 Columbia-Shuswap	0.25	0.25	0.50	1.00	0.25	0.00	0.75	3.01
10 Comox-Strathcona	0.00	0.13	0.13	0.76	0.25	0.00	0.25	1.52
11 Cowichan Valley	0.00	0.00	0.18	1.07	0.00	0.00	0.53	1.78
12 Dewdney-Alouette	0.69	1.26	4.24	16.52	0.69	0.23	2.29	25.93
13 East Kootenay	0.00	0.00	0.00	0.62	0.21	0.00	0.21	1.04
14 Fraser-Cheam	0.15	0.00	0.31	2.31	0.00	0.00	0.15	2.92
15 Fraser-Fort George	0.00	0.12	0.00	0.81	0.46	0.00	0.12	1.50
17 Kitimat-Stikine	0.00	0.00	0.51	3.04	1.01	0.00	0.25	4.81
18 Kootenay Boundary	0.00	0.00	1.00	1.67	0.33	0.00	0.00	3.00
19 Mount Waddington	0.00	0.00	0.00	0.00	0.71	0.00	0.00	0.71
20 Nanaimo	0.11	0.00	0.00	0.99	0.11	0.11	0.11	1.43
21 North Okanagan	0.35	0.53	0.00	3.71	1.06	0.00	1.41	7.07
22 Okanagan-Similkameen	0.80	0.16	0.16	1.75	0.16	0.00	0.16	3.19
23 Peace River	0.20	0.00	0.41	1.84	0.20	0.00	0.41	3.06
24 Powell River	0.00	1.09	0.00	0.54	0.00	0.00	0.00	1.63
25 Skeena-Queen Charlotte	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.44
26 Squamish-Lillooet	0.45	0.00	0.00	1.82	0.00	0.00	0.00	2.27
27 Stikine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28 Sunshine Coast	0.00	0.00	0.00	1.10	0.00	0.00	0.00	1.10
29 Thompson-Nicola	0.41	0.41	0.51	1.82	0.41	0.00	0.81	4.36
30 Fort Nelson/Liard	0.00	0.00	0.00	0.00	0.00	0.00	2.18	2.18
Metropolitan - Subtotal	**0.12**	**0.29**	**0.89**	**4.72**	**0.44**	**0.06**	**0.51**	**7.03**
3 Capital	0.07	0.34	0.58	2.92	0.17	0.00	0.34	4.44
16 Greater Vancouver	0.13	0.28	0.95	5.08	0.49	0.07	0.54	7.53
TOTAL	**0.17**	**0.26**	**0.71**	**3.80**	**0.36**	**0.04**	**0.49**	**5.85**

[1]Definitions are as in the attached text.
[2]Includes 36 Directors, 3 Associate Directors and 14 Assistant Directors.
[3]Includes 3 Clinical Specialist positions.
[4]Includes 4 Inservice/Staff Development positions.
[5]Includes 78 practising RPNs who did not provide this information, and 76 other.

Prepared by:
Health Human Resources Unit
The University of British Columbia

MASSAGE PRACTITIONERS

MASSAGE PRACTITIONERS

Definition: A massage practitioner

may register under Part 3 of the Physiotherapists' Act upon completion of an approved course of study comprised of a curriculum of theory and practice, primarily consisting of the subjects of anatomy, physiology, massage and hydrotherapy, and after passing the examination set by the Board of Physiotherapists and Massage Practitioners.[1]

Governing Statute: Physiotherapists' Act, Revised Statutes of British Columbia, 1979, Chapter 327.

Governing Body: Association of Physiotherapists and Massage Practitioners of British Columbia (APMPBC). In order to practise as a massage practitioner in British Columbia, it is necessary to be registered by the Association of Physiotherapists and Massage Practitioners of British Columbia.

Date of Record: December 1989 and December 1990.

Source of Data: Association of Physiotherapists and Massage Practitioners of British Columbia (APMPBC).

Preparation and Updating:

The table, prepared from registration data maintained by the APMPBC, includes massage practitioners who were full members of the APMPBC and B.C. residents at the date of record.

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[1]Physiotherapists Act, Revised Statutes of British Columbia, 1979, Chapter 327.

Massage Practitioners per 10,000 Population by Regional Hospital District December 1990 N=546

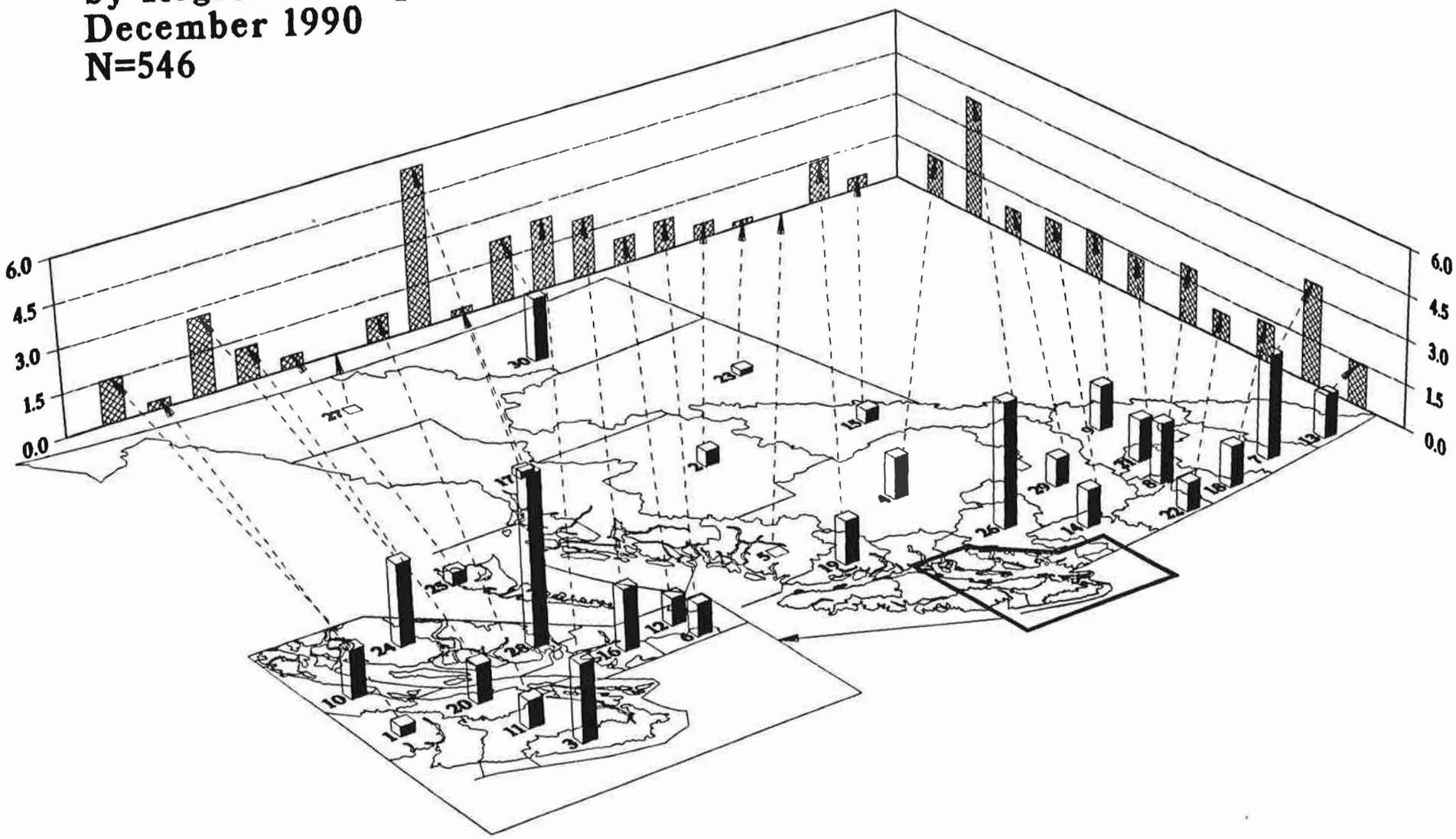

Table 1

Massage Practitioners[1] in British Columbia

by Regional Hospital District

December 1989 and December 1990

Regional Hospital District	Number 1989	Number 1990	Number per 10,000 Population 1989[2]	Number per 10,000 Population 1990	Average Annual Rate of Change Number[3]	Average Annual Rate of Change Ratio[4]
Non-Metropolitan - Subtotal	**153**	**175**	**1.15**	**1.29**	**14.38**	**12.26**
1 Alberni-Clayoquot	1	1	0.33	0.33	*	*
2 Bulkley-Nechako	1	2	0.27	0.53	*	*
4 Cariboo	6	8	1.03	1.36	*	*
5 Central Coast	0	0	0.00	0.00	*	*
6 Central Fraser Valley	6	9	0.75	1.08	*	*
7 Central Kootenay	13	17	2.68	3.45	30.77	28.83
8 Central Okanagan	19	20	1.94	1.97	5.26	1.51
9 Columbia-Shuswap	7	6	1.77	1.51	*	*
10 Comox-Strathcona	10	12	1.31	1.52	20.00	16.51
11 Cowichan Valley	6	5	1.09	0.89	*	*
12 Dewdney-Alouette	9	8	1.09	0.92	*	*
13 East Kootenay	7	7	1.44	1.45	*	*
14 Fraser-Cheam	8	8	1.27	1.23	*	*
15 Fraser-Fort George	4	4	0.46	0.46	*	*
17 Kitimat-Stikine	2	1	0.51	0.25	*	*
18 Kootenay Boundary	2	4	0.67	1.33	*	*
19 Mount Waddington	1	2	0.70	1.41	*	*
20 Nanaimo	10	11	1.13	1.21	10.00	6.63
21 North Okanagan	5	8	0.89	1.41	*	*
22 Okanagan-Similkameen	9	6	1.45	0.96	*	*
23 Peace River	2	1	0.41	0.20	*	*
24 Powell River	4	5	2.20	2.72	*	*
25 Skeena-Queen Charlotte	0	1	0.00	0.44	*	*
26 Squamish-Lillooet	8	9	3.73	4.09	*	*
27 Stikine	0	0	0.00	0.00	*	*
28 Sunshine Coast	7	10	3.92	5.49	*	*
29 Thompson-Nicola	5	9	0.51	0.91	*	*
30 Fort Nelson/Liard	1	1	2.13	2.18	*	*
Metropolitan - Subtotal	**323**	**371**	**1.87**	**2.09**	**14.86**	**11.49**
3 Capital	68	71	2.40	2.44	4.41	1.67
16 Greater Vancouver	255	300	1.77	2.02	17.65	14.13
TOTAL	**476**	**546**	**1.56**	**1.74**	**14.71**	**11.88**

[1]Definitions are as in the attached text.
[2]These figures differ from the corresponding figures for 1989 appearing in ROLLCALL 89. See Foreword.
[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 Human Resources Unit
The University of British Columbia

OCCUPATIONAL THERAPISTS

OCCUPATIONAL THERAPISTS

Definition: An occupational therapist

Plans and carries out treatment programs based on activities such as work, education and recreation to rehabilitate physically and mentally disabled persons:

Administers tests and observes patient to assess emotional, mental and physical capacities of patient. Plans and directs programs in manual and creative arts, industrial and vocational skills, recreational activities, remedial games, cultural and educational interests, and play activities for children. Conducts group programs to assist patients in building self-confidence and in adjusting to family and community. Trains handicapped patients in self-care and daily living activities. Advises and instructs patients on specially-adapted household equipment and furnishings. Assesses patients' vocational potential and provides work adjustment and actual work experience. Participates in testing and training of patients with perceptual motor problems, and provides training for children with learning disabilities. Records patients' activities, response and progress. Attends meetings of rehabilitation team, and seminars, workshops and courses on occupational therapy. Supervises and instructs occupational therapy students and auxiliary personnel assigned to department.[1]

Governing Statute: None.

Governing Body: None. Compulsory registration and/or licensure do not exist. Membership in the British Columbia Society of Occupational Therapists (BCSOT) is voluntary. However, registered members of the BCSOT have exclusive use of the titles: *Registered Occupational Therapist, (B.C.), Registered OT, (B.C.)*. Occupational therapists who have graduated from a dual program in occupational therapy and physiotherapy may be registered with the Association of Physiotherapists and Massage Practitioners of British Columbia. Such persons are included in *both* the occupational therapy and physiotherapy sections of **ROLLCALL UPDATE 90**.

Date of Record: December 1989 and December 1990.

Source of Data: British Columbia Society of Occupational Therapists (BCSOT).

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[1]*Canadian Classification and Dictionary of Occupations 1980.*
Major Group 31, No. 3137-118, p. 55, Ottawa: Employment and Immigration Canada.

Preparation and Updating:

The tables have been prepared from registration data maintained by the BCSOT and include Occupational Therapists who were full- or part-time members and B.C. residents at the date of record.

Definition of Terms:

Employment Status

Employment status was reported by 1990 registrants. The categories used in Table 2 are:

(a) Employed in occupational therapy (OT)
(b) Employed in combined OT and PT
(c) Not employed
(d) Other

Type of Employing Institution

Type of principal employing institution was reported by 1990 registrants. The category "Insurance Corporation" was dropped this year because no members selected it. The categories used in Table 3 are:

(a) Acute Care
(b) Paediatric Hospital
(c) Rehabilitation Hospital
(d) Psychiatric Hospital
(e) Extended Care Hospital
(f) Intermediate Care Facility
(g) Personal/Home Care
(h) Adult Day Care
(i) Public Community Health Agency/Centre for Mentally Handicapped
(j) Children's Treatment/Outpatient Centre
(k) Workers' Compensation Board
(l) Voluntary/Non-profit Agency
(m) School Board/University
(n) Retail Business
(o) Private Practice
(p) Other

Area of Service

Principal area of service was reported by 1990 registrants. The categories used in Table 4 are:

(a) Acute Care - Inpatient
(b) Extended Care - Inpatient
(c) Psychiatry - Inpatient
(d) Psychiatry - Outpatient
(e) Rehabilitation - Inpatient
(f) Rehabilitation - Outpatient
(g) General Outpatient
(h) Administration
(i) Research/Teaching
(j) Home Care
(k) Vocational Rehabilitation
(l) Other

Type of Position

Principal type of position was reported by 1990 registrants. The categories used in Table 5 are:

(a) Staff Therapist
(b) Senior Therapist
(c) Sole Charge
(d) Department Head/Assistant Department Head
(e) Clinical Coordinator
(f) Program Coordinator/Director
(g) Faculty Position
(h) Consultant
(i) Researcher
(j) Clinical Specialist
(k) Other

Occupational Therapists (Registered Members) Employed in Occupational Therapy per 10,000 Population by Regional Hospital District December 1990 N=417

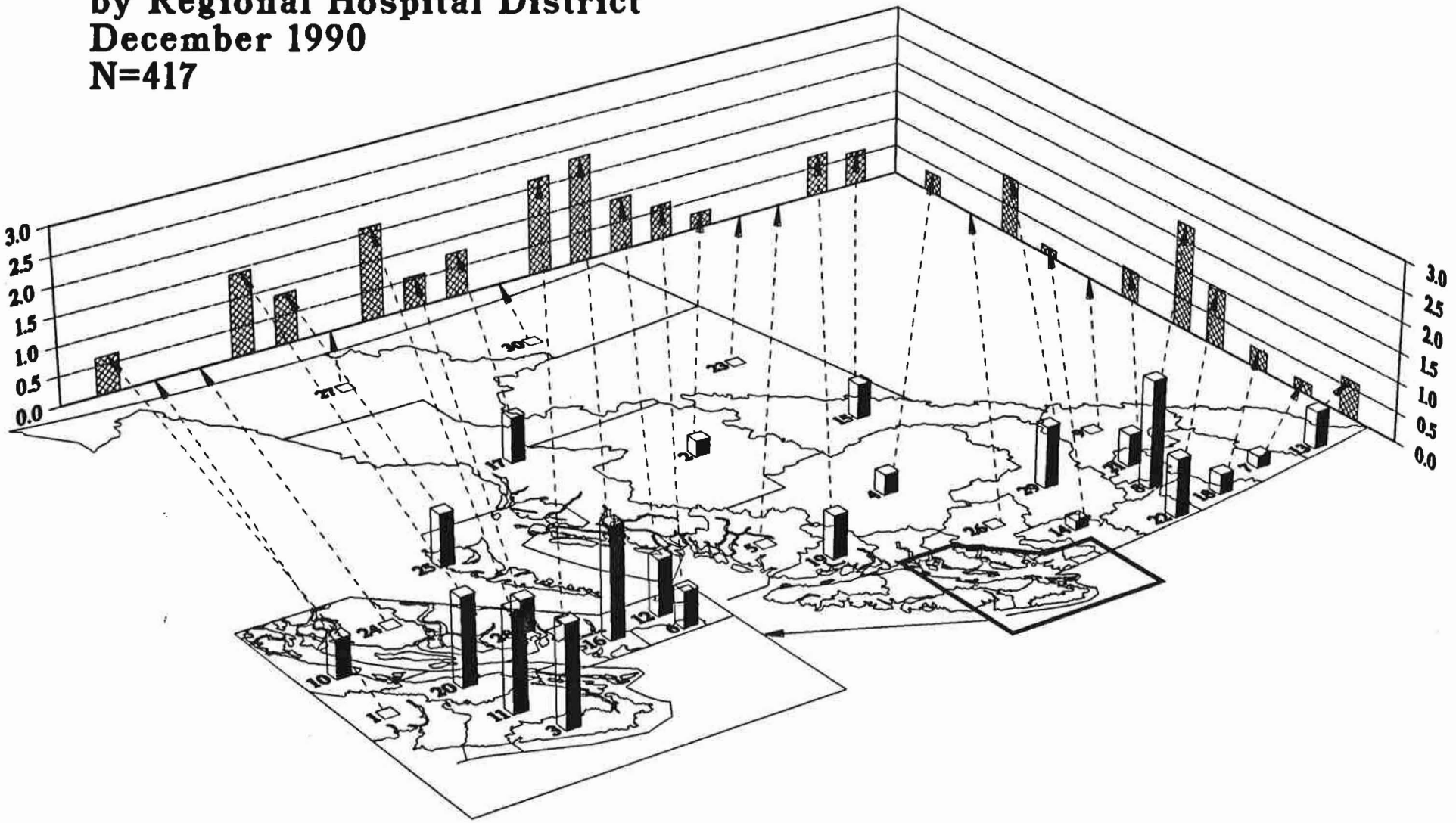

Table 1

Occupational Therapists (Registered Members)[1] in British Columbia

by Regional Hospital District

December 1989 and December 1990

Regional Hospital District	Number 1989	Number 1990	Number per 10,000 Population 1989[2]	Number per 10,000 Population 1990	Average Annual Rate of Change[2] Number[3]	Average Annual Rate of Change[2] Ratio[4]
Non-Metropolitan - Subtotal	**96**	**107**	**0.72**	**0.79**	**11.46**	**9.39**
1 Alberni-Clayoquot	0	0	0.00	0.00	*	*
2 Bulkley-Nechako	1	1	0.27	0.27	*	*
4 Cariboo	1	2	0.17	0.34	*	*
5 Central Coast	0	0	0.00	0.00	*	*
6 Central Fraser Valley	5	5	0.63	0.60	*	*
7 Central Kootenay	3	2	0.62	0.41	*	*
8 Central Okanagan	17	20	1.74	1.97	17.65	13.46
9 Columbia-Shuswap	0	0	0.00	0.00	*	*
10 Comox-Strathcona	4	6	0.52	0.76	*	*
11 Cowichan Valley	7	9	1.27	1.60	*	*
12 Dewdney-Alouette	8	8	0.97	0.92	*	*
13 East Kootenay	4	3	0.82	0.62	*	*
14 Fraser-Cheam	0	1	0.00	0.15	*	*
15 Fraser-Fort George	4	6	0.46	0.69	*	*
17 Kitimat-Stikine	4	6	1.02	1.52	*	*
18 Kootenay Boundary	2	1	0.67	0.33	*	*
19 Mount Waddington	0	1	0.00	0.71	*	*
20 Nanaimo	12	14	1.36	1.54	16.67	13.09
21 North Okanagan	4	3	0.71	0.53	*	*
22 Okanagan-Similkameen	7	6	1.13	0.96	*	*
23 Peace River	0	0	0.00	0.00	*	*
24 Powell River	0	0	0.00	0.00	*	*
25 Skeena-Queen Charlotte	2	2	0.87	0.87	*	*
26 Squamish-Lillooet	0	0	0.00	0.00	*	*
27 Stikine	0	0	0.00	0.00	*	*
28 Sunshine Coast	1	1	0.56	0.55	*	*
29 Thompson-Nicola	10	10	1.02	1.01	0.00	0.00
30 Fort Nelson/Liard	0	0	0.00	0.00	*	*
Metropolitan - Subtotal	**335**	**357**	**1.94**	**2.01**	**6.57**	**3.44**
3 Capital	56	55	1.98	1.89	-1.79	-4.37
16 Greater Vancouver	279	302	1.94	2.03	8.24	5.01
TOTAL	**431**	**464**	**1.41**	**1.48**	**7.66**	**5.00**

[1]Definitions are as in the attached text.
[2]These figures differ from the corresponding figures for 1989 appearing in ROLLCALL 89. See Foreword.
[3]Rate of change (in percent) in the number.
[4]Rate of change (in percent) in the number per 10,000 population.

Prepared by:
Health Human Resources Unit
The University of British Columbia

Table 2

Occupational Therapists (Registered Members)[1] in British Columbia

by Regional Hospital District by Employment Status

December 1990

Regional Hospital District	Employed in OT: OT	Employed in OT: Combined OT/PT	Employed in OT: Subtotal	Not Employed	Other[2]	Total
Non-Metropolitan - Subtotal	**91**	**7**	**98**	**2**	**7**	**107**
1 Alberni-Clayoquot	0	0	0	0	0	0
2 Bulkley-Nechako	1	0	1	0	0	1
4 Cariboo	2	0	2	0	0	2
5 Central Coast	0	0	0	0	0	0
6 Central Fraser Valley	5	0	5	0	0	5
7 Central Kootenay	1	0	1	0	1	2
8 Central Okanagan	16	2	18	1	1	20
9 Columbia-Shuswap	0	0	0	0	0	0
10 Comox-Strathcona	5	0	5	0	1	6
11 Cowichan Valley	8	1	9	0	0	9
12 Dewdney-Alouette	8	0	8	0	0	8
13 East Kootenay	2	1	3	0	0	3
14 Fraser-Cheam	0	1	1	0	0	1
15 Fraser-Fort George	4	1	5	0	1	6
17 Kitimat-Stikine	2	1	3	1	2	6
18 Kootenay Boundary	1	0	1	0	0	1
19 Mount Waddington	1	0	1	0	0	1
20 Nanaimo	13	0	13	0	1	14
21 North Okanagan	3	0	3	0	0	3
22 Okanagan-Similkameen	6	0	6	0	0	6
23 Peace River	0	0	0	0	0	0
24 Powell River	0	0	0	0	0	0
25 Skeena-Queen Charlotte	2	0	2	0	0	2
26 Squamish-Lillooet	0	0	0	0	0	0
27 Stikine	0	0	0	0	0	0
28 Sunshine Coast	1	0	1	0	0	1
29 Thompson-Nicola	10	0	10	0	0	10
30 Fort Nelson/Liard	0	0	0	0	0	0
Metropolitan - Subtotal	**308**	**11**	**319**	**11**	**27**	**357**
3 Capital	44	4	48	1	6	55
16 Greater Vancouver	264	7	271	10	21	302
TOTAL	**399**	**18**	**417**	**13**	**34**	**464**

[1]Definitions are as in the attached text.
[2]Includes 2 employed in other than OT, 1 retired, 9 on maternity leave, 4 on sick leave, 16 other, and 2 who did not provide information.

Prepared by:
Health Human Resources Unit
The University of British Columbia

Table 3 **Occupational Therapists (Registered Members)[1] Employed in Occupational Therapy in British Columbia by Regional Hospital District by Type of Principal Employing Institution**

December 1990

Regional Hospital District	Hospital					Intermed. Care	Personal/ Home Care	Adult Day Care
	Acute Care	Paediatric	Rehab.	Psych.	Extended Care			
Non-Metropolitan - Subtotal	**56**	**0**	**2**	**3**	**4**	**0**	**0**	**0**
1 Alberni-Clayoquot	0	0	0	0	0	0	0	0
2 Bulkley-Nechako	1	0	0	0	0	0	0	0
4 Cariboo	1	0	0	0	0	0	0	0
5 Central Coast	0	0	0	0	0	0	0	0
6 Central Fraser Valley	5	0	0	0	0	0	0	0
7 Central Kootenay	0	0	0	0	0	0	0	0
8 Central Okanagan	9	0	0	0	3	0	0	0
9 Columbia-Shuswap	0	0	0	0	0	0	0	0
10 Comox-Strathcona	5	0	0	0	0	0	0	0
11 Cowichan Valley	3	0	1	0	0	0	0	0
12 Dewdney-Alouette	1	0	0	3	0	0	0	0
13 East Kootenay	2	0	0	0	0	0	0	0
14 Fraser-Cheam	1	0	0	0	0	0	0	0
15 Fraser-Fort George	3	0	0	0	0	0	0	0
17 Kitimat-Stikine	1	0	0	0	0	0	0	0
18 Kootenay Boundary	1	0	0	0	0	0	0	0
19 Mount Waddington	1	0	0	0	0	0	0	0
20 Nanaimo	8	0	0	0	0	0	0	0
21 North Okanagan	3	0	0	0	0	0	0	0
22 Okanagan-Similkameen	2	0	0	0	0	0	0	0
23 Peace River	0	0	0	0	0	0	0	0
24 Powell River	0	0	0	0	0	0	0	0
25 Skeena-Queen Charlotte	2	0	0	0	0	0	0	0
26 Squamish-Lillooet	0	0	0	0	0	0	0	0
27 Stikine	0	0	0	0	0	0	0	0
28 Sunshine Coast	1	0	0	0	0	0	0	0
29 Thompson-Nicola	6	0	1	0	1	0	0	0
30 Fort Nelson/Liard	0	0	0	0	0	0	0	0
Metropolitan - Subtotal	**104**	**17**	**47**	**9**	**27**	**4**	**7**	**5**
3 Capital	11	3	12	0	5	0	0	1
16 Greater Vancouver	93	14	35	9	22	4	7	4
TOTAL	**160**	**17**	**49**	**12**	**31**	**4**	**7**	**5**

[1]Definitions are as in the attached text.

Prepared by:
Health Human Resources Unit
The University of British Columbia

... *continued*

Table 3
(Continued)

Occupational Therapists (Registered Members)[1] Employed in Occupational Therapy in British Columbia by Regional Hospital District by Type of Principal Employing Institution

December 1990

Regional Hospital District	Public/ Community Agency[2]	Children's Treatment/ Outpatient	Workers' Comp. Board	Voluntary/ Non-profit Agency	School Board/ University[3]	Private Practice	Other[4]	Total
Non-Metropolitan - Subtotal	**2**	**7**	**0**	**2**	**4**	**5**	**13**	**98**
1 Alberni-Clayoquot	0	0	0	0	0	0	0	0
2 Bulkley-Nechako	0	0	0	0	0	0	0	1
4 Cariboo	0	1	0	0	0	0	0	2
5 Central Coast	0	0	0	0	0	0	0	0
6 Central Fraser Valley	0	0	0	0	0	0	0	5
7 Central Kootenay	0	0	0	0	0	0	1	1
8 Central Okanagan	1	0	0	0	1	1	3	18
9 Columbia-Shuswap	0	0	0	0	0	0	0	0
10 Comox-Strathcona	0	0	0	0	0	0	0	5
11 Cowichan Valley	0	0	0	1	1	2	1	9
12 Dewdney-Alouette	0	1	0	0	0	0	3	8
13 East Kootenay	0	0	0	0	0	0	1	3
14 Fraser-Cheam	0	0	0	0	0	0	0	1
15 Fraser-Fort George	0	1	0	0	1	0	0	5
17 Kitimat-Stikine	0	1	0	0	0	0	1	3
18 Kootenay Boundary	0	0	0	0	0	0	0	1
19 Mount Waddington	0	0	0	0	0	0	0	1
20 Nanaimo	0	3	0	0	1	0	1	13
21 North Okanagan	0	0	0	0	0	0	0	3
22 Okanagan-Similkameen	0	0	0	1	0	1	2	6
23 Peace River	0	0	0	0	0	0	0	0
24 Powell River	0	0	0	0	0	0	0	0
25 Skeena-Queen Charlotte	0	0	0	0	0	0	0	2
26 Squamish-Lillooet	0	0	0	0	0	0	0	0
27 Stikine	0	0	0	0	0	0	0	0
28 Sunshine Coast	0	0	0	0	0	0	0	1
29 Thompson-Nicola	1	0	0	0	0	1	0	10
30 Fort Nelson/Liard	0	0	0	0	0	0	0	0
Metropolitan - Subtotal	**27**	**11**	**9**	**4**	**8**	**13**	**27**	**319**
3 Capital	3	2	0	0	0	4	7	48
16 Greater Vancouver	24	9	9	4	8	9	20	271
TOTAL	**29**	**18**	**9**	**6**	**12**	**18**	**40**	**417**

[1]Definitions are as in the attached text.
[2]Includes 1 registrant from the Centre for the Mentally Handicapped.
[3]Includes 2 registrants from the school board, and 10 from university/college.
[4]Includes 1 registrant from retail business, 33 other, and 6 who did not provide information.

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Table 4 **Occupational Therapists (Registered Members)[1] Employed in Occupational Therapy in British Columbia by Regional Hospital District by Principal Area of Service**

December 1990

Regional Hospital District	In-Patient		General	Psychiatry		Rehab.	
	Acute Care	Ext. Care	Out-patient	In-patient	Out-patient	In-patient	Out-patient
Non-Metropolitan - Subtotal	**6**	**12**	**15**	**10**	**7**	**15**	**10**
1 Alberni-Clayoquot	0	0	0	0	0	0	0
2 Bulkley-Nechako	0	0	0	0	0	0	1
4 Cariboo	0	0	1	0	0	0	1
5 Central Coast	0	0	0	0	0	0	0
6 Central Fraser Valley	0	0	1	0	1	1	0
7 Central Kootenay	0	0	0	0	1	0	0
8 Central Okanagan	0	4	1	2	1	5	1
9 Columbia-Shuswap	0	0	0	0	0	0	0
10 Comox-Strathcona	1	0	1	1	1	0	1
11 Cowichan Valley	0	0	0	1	0	2	1
12 Dewdney-Alouette	0	1	1	3	1	1	0
13 East Kootenay	1	0	0	1	0	0	0
14 Fraser-Cheam	0	0	0	0	0	0	0
15 Fraser-Fort George	0	1	0	1	0	1	1
17 Kitimat-Stikine	0	1	0	0	1	0	1
18 Kootenay Boundary	0	1	0	0	0	0	0
19 Mount Waddington	0	0	0	0	0	0	0
20 Nanaimo	1	1	3	0	0	3	2
21 North Okanagan	2	0	1	0	0	0	0
22 Okanagan-Similkameen	0	1	2	0	0	2	0
23 Peace River	0	0	0	0	0	0	0
24 Powell River	0	0	0	0	0	0	0
25 Skeena-Queen Charlotte	1	0	1	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	1	0	0	0	0	0
29 Thompson-Nicola	0	1	3	1	1	0	1
30 Fort Nelson/Liard	0	0	0	0	0	0	0
Metropolitan - Subtotal	**40**	**35**	**15**	**20**	**16**	**49**	**31**
3 Capital	4	6	0	2	4	7	8
16 Greater Vancouver	36	29	15	18	12	42	23
TOTAL	**46**	**47**	**30**	**30**	**23**	**64**	**41**

[1]Definitions are as in the attached text.

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... *continued*

Table 4
(Continued)

Occupational Therapists (Registered Members)[1] Employed in Occupational Therapy in British Columbia

by Regional Hospital District by Principal Area of Service

December 1990

Regional Hospital District	Admin.	Research/ Teaching[2]	Home Care	Vocat. Rehab.	Other[3]	Total
Non-Metropolitan - Subtotal	**8**	**2**	**1**	**1**	**11**	**98**
1 Alberni-Clayoquot	0	0	0	0	0	0
2 Bulkley-Nechako	0	0	0	0	0	1
4 Cariboo	0	0	0	0	0	2
5 Central Coast	0	0	0	0	0	0
6 Central Fraser Valley	0	0	0	0	2	5
7 Central Kootenay	0	0	0	0	0	1
8 Central Okanagan	2	0	0	0	2	18
9 Columbia-Shuswap	0	0	0	0	0	0
10 Comox-Strathcona	0	0	0	0	0	5
11 Cowichan Valley	1	1	0	1	2	9
12 Dewdney-Alouette	0	0	0	0	1	8
13 East Kootenay	0	0	1	0	0	3
14 Fraser-Cheam	1	0	0	0	0	1
15 Fraser-Fort George	0	0	0	0	1	5
17 Kitimat-Stikine	0	0	0	0	0	3
18 Kootenay Boundary	0	0	0	0	0	1
19 Mount Waddington	1	0	0	0	0	1
20 Nanaimo	1	1	0	0	1	13
21 North Okanagan	0	0	0	0	0	3
22 Okanagan-Similkameen	0	0	0	0	1	6
23 Peace River	0	0	0	0	0	0
24 Powell River	0	0	0	0	0	0
25 Skeena-Queen Charlotte	0	0	0	0	0	2
26 Squamish-Lillooet	0	0	0	0	0	0
27 Stikine	0	0	0	0	0	0
28 Sunshine Coast	0	0	0	0	0	1
29 Thompson-Nicola	2	0	0	0	1	10
30 Fort Nelson/Liard	0	0	0	0	0	0
Metropolitan - Subtotal	**23**	**10**	**21**	**7**	**52**	**319**
3 Capital	2	0	2	2	11	48
16 Greater Vancouver	21	10	19	5	41	271
TOTAL	**31**	**12**	**22**	**8**	**63**	**417**

[1]Definitions are as in the attached text.
[2]Includes 8 registrants from teaching, and 4 from research.
[3]Includes 54 other, and 9 who did not provide information.

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Table 5

Occupational Therapists (Registered Members)[1] Employed in Occupational Therapy in British Columbia by Regional Hospital District by Principal Type of Position

December 1990

Regional Hospital District	Staff Therapist	Senior Therapist	Sole Charge	Dept/ Asst Dept Head[2]	Clinical Coord.	Program Coord./ Director
Non-Metropolitan - Subtotal	**39**	**14**	**15**	**14**	**0**	**4**
1 Alberni-Clayoquot	0	0	0	0	0	0
2 Bulkley-Nechako	0	0	1	0	0	0
4 Cariboo	0	0	2	0	0	0
5 Central Coast	0	0	0	0	0	0
6 Central Fraser Valley	3	1	0	1	0	0
7 Central Kootenay	0	0	1	0	0	0
8 Central Okanagan	10	2	2	1	0	1
9 Columbia-Shuswap	0	0	0	0	0	0
10 Comox-Strathcona	1	1	0	1	0	1
11 Cowichan Valley	1	2	2	0	0	0
12 Dewdney-Alouette	3	1	0	3	0	1
13 East Kootenay	1	0	1	1	0	0
14 Fraser-Cheam	0	0	0	1	0	0
15 Fraser-Fort George	4	0	0	0	0	0
17 Kitimat-Stikine	0	1	2	0	0	0
18 Kootenay Boundary	0	1	0	0	0	0
19 Mount Waddington	0	0	0	1	0	0
20 Nanaimo	7	3	1	1	0	0
21 North Okanagan	1	0	1	1	0	0
22 Okanagan-Similkameen	2	1	0	1	0	1
23 Peace River	0	0	0	0	0	0
24 Powell River	0	0	0	0	0	0
25 Skeena-Queen Charlotte	1	0	0	1	0	0
26 Squamish-Lillooet	0	0	0	0	0	0
27 Stikine	0	0	0	0	0	0
28 Sunshine Coast	0	0	1	0	0	0
29 Thompson-Nicola	5	1	1	1	0	0
30 Fort Nelson/Liard	0	0	0	0	0	0
Metropolitan - Subtotal	**170**	**54**	**14**	**22**	**5**	**9**
3 Capital	24	9	2	2	2	1
16 Greater Vancouver	146	45	12	20	3	8
TOTAL	**209**	**68**	**29**	**36**	**5**	**13**

[1]Definitions are as in the attached text.
[2]Includes 35 department heads, and 1 assistant department head.

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... *continued*

Table 5
(Continued)

Occupational Therapists (Registered Members)[1] Employed in Occupational Therapy in British Columbia

by Regional Hospital District by Principal Type of Position

December 1990

Regional Hospital District	Faculty Position	Consult.	Research.	Clinical Spec.	Other[2]	Total
Non-Metropolitan - Subtotal	**2**	**5**	**0**	**0**	**5**	**98**
1 Alberni-Clayoquot	0	0	0	0	0	0
2 Bulkley-Nechako	0	0	0	0	0	1
4 Cariboo	0	0	0	0	0	2
5 Central Coast	0	0	0	0	0	0
6 Central Fraser Valley	0	0	0	0	0	5
7 Central Kootenay	0	0	0	0	0	1
8 Central Okanagan	0	2	0	0	0	18
9 Columbia-Shuswap	0	0	0	0	0	0
10 Comox-Strathcona	0	0	0	0	1	5
11 Cowichan Valley	1	1	0	0	2	9
12 Dewdney-Alouette	0	0	0	0	0	8
13 East Kootenay	0	0	0	0	0	3
14 Fraser-Cheam	0	0	0	0	0	1
15 Fraser-Fort George	0	1	0	0	0	5
17 Kitimat-Stikine	0	0	0	0	0	3
18 Kootenay Boundary	0	0	0	0	0	1
19 Mount Waddington	0	0	0	0	0	1
20 Nanaimo	1	0	0	0	0	13
21 North Okanagan	0	0	0	0	0	3
22 Okanagan-Similkameen	0	0	0	0	1	6
23 Peace River	0	0	0	0	0	0
24 Powell River	0	0	0	0	0	0
25 Skeena-Queen Charlotte	0	0	0	0	0	2
26 Squamish-Lillooet	0	0	0	0	0	0
27 Stikine	0	0	0	0	0	0
28 Sunshine Coast	0	0	0	0	0	1
29 Thompson-Nicola	0	1	0	0	1	10
30 Fort Nelson/Liard	0	0	0	0	0	0
Metropolitan - Subtotal	**6**	**10**	**3**	**7**	**19**	**319**
3 Capital	0	2	0	1	5	48
16 Greater Vancouver	6	8	3	6	14	271
TOTAL	**8**	**15**	**3**	**7**	**24**	**417**

[1]Definitions are as in the attached text.
[2]Includes 19 other, and 5 who did not provide information.

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The University of British Columbia

PHYSIOTHERAPISTS

PHYSIOTHERAPISTS

Definition: A physiotherapist

"Provides physical diagnostic and rehabilitative services to patients with physical dysfunctions caused by: trauma, congenital abnormality, disease, surgery, obstetrical and gynecological conditions and aging processes, to restore and/or to achieve optimal function.

Administers tests, examines, observes and takes a full history of patient to determine condition and its status and keeps a record of patient condition.

Develops, plans, coordinates, monitors and adjusts a rehabilitation treatment program appropriate to condition to achieve objectives, either on an individual or group basis.

Provides consultation to physicians, dentists, and other health professionals, teachers or others appropriate to the case.

Instructs, advises and coordinates programs of remedial modalities for continuation of treatment. Recommends referral to other health centres, clinics or treatment facilities as appropriate. Provides consultation and direction to nurses, aides, activity workers to assist in their methods of handling the patient. Advises, teaches, counsels, educates the patient, his/her family, and/or care givers on correct positions, aids, methods and means of movement for the affected part or the body as a whole.

Conducts screening, lectures and other health promotion methods to facilitate physical health and prevent the premature dysfunction of the body. Conducts research projects relating to any of the above to advance the state of knowledge in this field."[1]

Governing Statute: Physiotherapists Act, Revised Statutes of British Columbia, 1979, Chapter 327.

Governing Body: Association of Physiotherapists and Massage Practitioners of British Columbia. In order to practise as a physiotherapist in British Columbia, it is necessary to be registered by the Association of Physiotherapists and Massage Practitioners of British Columbia.

Date of Record: December 1989 and December 1990.

Source of Data: Association of Physiotherapists and Massage Practitioners of British Columbia (APMPBC).

Preparation and Updating:

The tables, prepared from registration data maintained by the APMPBC, include physiotherapists who were full members of the APMPBC and B.C. residents at the date of record. Physiotherapists who hold membership in the British Columbia Society of Occupational Therapists are included in both the physiotherapy and occupational therapy sections of **ROLLCALL UPDATE 90**.

[1]From information provided by the Association of Physiotherapists and Massage Practitioners of British Columbia, December 1987.

Definition of Terms:

1. Registration Status

A physiotherapist may be either a *Chartered* or *Registered* member of the APMPBC. Chartered Physiotherapists differ from Registered Physiotherapists in that Chartered Physiotherapists may not practise except under the supervision of a medical practitioner.[2] A physiotherapist may work under a temporary membership until his or her registration can be completed. In 1990, there were 81 physiotherapists who held temporary memberships. No temporary members are included in any of the tables.

2. Employment Status

Employment status was reported on the registration renewal form. The categories used in Table 3 are:

(a) Employed in physiotherapy (PT)
(b) Employed in occupational therapy (OT)
(c) Employed in combined PT and OT
(d) Employed in fields other than PT and OT
(e) Not employed
(f) Unknown

3. Type of Employing Institution

Type of principal employing institution was reported on the registration renewal form. The categories used in Table 4 are:

(a) Acute Care Hospital
(b) Workers' Compensation Board
(c) Children's Hospital
(d) Community Health Centre
(e) Non-Profit Agency
(f) Diagnostic and Treatment Centre
(g) Centre for Mentally Handicapped
(h) Continuing Care
(i) Extended Care
(j) Psychiatric Hospital
(k) Rehabilitation Hospital
(l) School Board
(m) University or College
(n) Industry
(o) Private Practice
(p) Other

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[2]*Physiotherapists Act*, 1979, RSBC Chap. 327, Part I, S.8.

4. Patient Care Activity

Principal patient care activity was reported on the registration renewal form. The categories used in Table 5 are:

(a) Intensive Care
(b) Orthopaedics
(c) Rheumatology
(d) General
(e) Sports Medicine
(f) Geriatrics
(g) Paediatrics
(h) Burns and Plastics
(i) Rehabilitation
(j) Cardio - Respiratory
(k) Neurology
(l) Palliative Chronic Care
(m) Psychiatric
(n) Mentally Handicapped
(o) Preventive/Health Education
(p) Obstetrics and Gynaecology
(q) Not involved in patient care
(r) Other

5. Type of Position

Principal type of position was reported on the registration renewal form. The categories used in Table 6 are:

(a) Staff Therapist
(b) Sole Charge
(c) Program Co-ordinator
(d) Senior Therapist
(e) Clinical Instructor
(f) Research Therapist
(g) Director
(h) Assistant Director
(i) Consultant
(j) Owner/Partner - Private Practice
(k) Associate - Private Practice
(l) Other

Physiotherapists (Full Members)
Employed in Physiotherapy and/or Occupational Therapy
per 10,000 Population
by Regional Hospital District
December 1990
N=1340

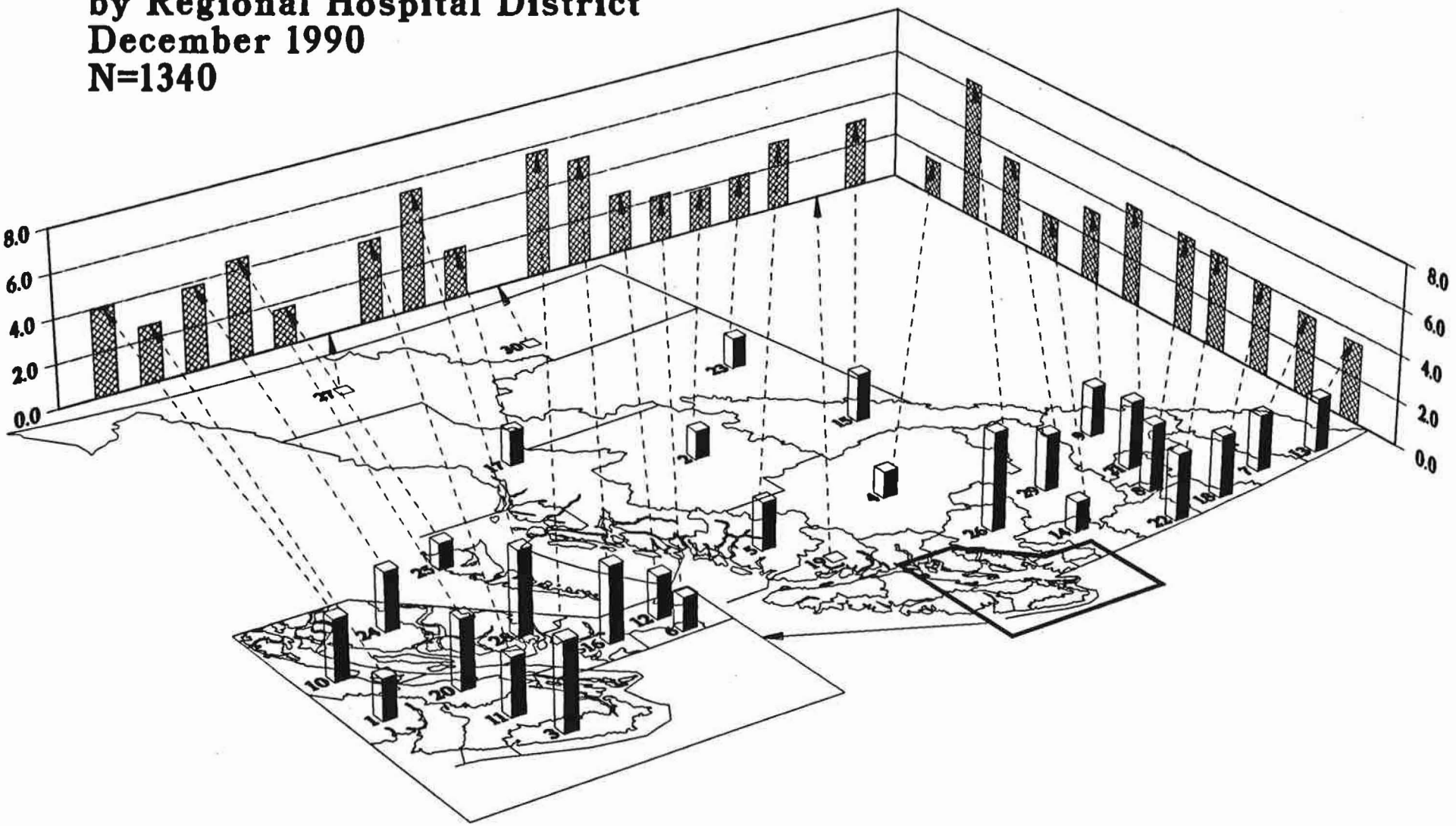

Table 1

Physiotherapists[1] in British Columbia

by Regional Hospital District

December 1989 and December 1990

Regional Hospital District	Number 1989	Number 1990	Number per 10,000 Population 1989[2]	Number per 10,000 Population 1990	Average Annual Rate of Change Number[3]	Average Annual Rate of Change Ratio[4]
Non-Metropolitan - Subtotal	**505**	**518**	**3.80**	**3.82**	**2.57**	**0.67**
1 Alberni-Clayoquot	7	9	2.34	2.97	*	*
2 Bulkley-Nechako	8	7	2.16	1.87	*	*
4 Cariboo	16	16	2.74	2.73	0.00	-0.66
5 Central Coast	1	1	3.13	3.14	*	*
6 Central Fraser Valley	21	22	2.64	2.64	4.76	-0.04
7 Central Kootenay	17	19	3.50	3.86	11.76	10.11
8 Central Okanagan	50	50	5.11	4.93	0.00	-3.56
9 Columbia-Shuswap	14	15	3.53	3.77	7.14	6.73
10 Comox-Strathcona	33	37	4.32	4.70	12.12	8.86
11 Cowichan Valley	24	25	4.35	4.46	4.17	2.51
12 Dewdney-Alouette	24	27	2.92	3.10	12.50	6.26
13 East Kootenay	18	20	3.70	4.15	11.11	12.16
14 Fraser-Cheam	17	15	2.70	2.31	-11.76	-14.54
15 Fraser-Fort George	26	29	3.01	3.35	11.54	11.22
17 Kitimat-Stikine	10	10	2.55	2.53	0.00	-0.73
18 Kootenay Boundary	14	18	4.69	6.01	28.57	27.93
19 Mount Waddington	1	0	0.70	0.00	*	*
20 Nanaimo	49	48	5.55	5.27	-2.04	-5.04
21 North Okanagan	27	28	4.81	4.95	3.70	2.97
22 Okanagan-Similkameen	34	30	5.49	4.78	-11.76	-12.86
23 Peace River	14	13	2.84	2.65	-7.14	-6.48
24 Powell River	7	8	3.85	4.36	*	*
25 Skeena-Queen Charlotte	5	4	2.18	1.74	*	*
26 Squamish-Lillooet	16	16	7.47	7.27	0.00	-2.70
27 Stikine	0	0	0.00	0.00	*	*
28 Sunshine Coast	14	12	7.83	6.59	-14.29	-15.89
29 Thompson-Nicola	38	39	3.88	3.95	2.63	1.86
30 Fort Nelson/Liard	0	0	0.00	0.00	*	*
Metropolitan - Subtotal	**1,044**	**1,100**	**6.06**	**6.19**	**5.36**	**2.28**
3 Capital	189	204	6.68	7.02	7.94	5.10
16 Greater Vancouver	855	896	5.93	6.03	4.80	1.66
TOTAL	**1,549**	**1,618**	**5.07**	**5.17**	**4.45**	**1.88**

[1]Definitions are as in the attached text.
[2]These figures differ from the corresponding figures for 1989 appearing in ROLLCALL 89. See Foreword.
[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 Human Resources Unit
The University of British Columbia

Table 2

Physiotherapists[1] in British Columbia

by Regional Hospital District by Registration Status

December 1990

Regional Hospital District	Number			Number per 10,000 Population		
	Chartered	Registered	Total	Chartered	Registered	Total
Non-Metropolitan - Subtotal	**390**	**128**	**518**	**2.88**	**0.95**	**3.82**
1 Alberni-Clayoquot	6	3	9	1.98	0.99	2.97
2 Bulkley-Nechako	7	0	7	1.87	0.00	1.87
4 Cariboo	15	1	16	2.56	0.17	2.73
5 Central Coast	1	0	1	3.14	0.00	3.14
6 Central Fraser Valley	16	6	22	1.92	0.72	2.64
7 Central Kootenay	14	5	19	2.84	1.02	3.86
8 Central Okanagan	35	15	50	3.45	1.48	4.93
9 Columbia-Shuswap	10	5	15	2.51	1.26	3.77
10 Comox-Strathcona	26	11	37	3.30	1.40	4.70
11 Cowichan Valley	14	11	25	2.50	1.96	4.46
12 Dewdney-Alouette	22	5	27	2.52	0.57	3.10
13 East Kootenay	18	2	20	3.74	0.42	4.15
14 Fraser-Cheam	14	1	15	2.15	0.15	2.31
15 Fraser-Fort George	20	9	29	2.31	1.04	3.35
17 Kitimat-Stikine	10	0	10	2.53	0.00	2.53
18 Kootenay Boundary	17	1	18	5.67	0.33	6.01
19 Mount Waddington	0	0	0	0.00	0.00	0.00
20 Nanaimo	33	15	48	3.62	1.65	5.27
21 North Okanagan	24	4	28	4.24	0.71	4.95
22 Okanagan-Similkameen	18	12	30	2.87	1.91	4.78
23 Peace River	12	1	13	2.45	0.20	2.65
24 Powell River	7	1	8	3.81	0.54	4.36
25 Skeena-Queen Charlotte	4	0	4	1.74	0.00	1.74
26 Squamish-Lillooet	3	13	16	1.36	5.90	7.27
27 Stikine	0	0	0	0.00	0.00	0.00
28 Sunshine Coast	9	3	12	4.94	1.65	6.59
29 Thompson-Nicola	35	4	39	3.55	0.41	3.95
30 Fort Nelson/Liard	0	0	0	0.00	0.00	0.00
Metropolitan - Subtotal	**823**	**277**	**1,100**	**4.63**	**1.56**	**6.19**
3 Capital	140	64	204	4.82	2.20	7.02
16 Greater Vancouver	683	213	896	4.60	1.43	6.03
TOTAL	**1,213**	**405**	**1,618**	**3.87**	**1.29**	**5.17**

[1]Definitions are as in the attached text.

Prepared by:
Health Human Resources Unit
The University of British Columbia

Table 3

Physiotherapists[1] in British Columbia

by Regional Hospital District by Employment Status

December 1990

Regional Hospital District	Employed in PT	Employed in OT	Combined OT/PT	Subtotal	Employed Other[2]	Not Employed	Unknown	Total
Non-Metropolitan - Subtotal	**427**	**1**	**19**	**447**	**5**	**25**	**41**	**518**
1 Alberni-Clayoquot	8	0	0	8	0	0	1	9
2 Bulkley-Nechako	7	0	0	7	0	0	0	7
4 Cariboo	9	0	1	10	0	3	3	16
5 Central Coast	0	0	1	1	0	0	0	1
6 Central Fraser Valley	18	0	0	18	0	2	2	22
7 Central Kootenay	16	1	1	18	0	1	0	19
8 Central Okanagan	43	0	1	44	0	1	5	50
9 Columbia-Shuswap	13	0	0	13	0	1	1	15
10 Comox-Strathcona	31	0	0	31	0	1	5	37
11 Cowichan Valley	21	0	0	21	1	2	1	25
12 Dewdney-Alouette	23	0	1	24	0	2	1	27
13 East Kootenay	16	0	1	17	0	2	1	20
14 Fraser-Cheam	11	0	2	13	0	0	2	15
15 Fraser-Fort George	25	0	2	27	1	0	1	29
17 Kitimat-Stikine	6	0	3	9	0	0	1	10
18 Kootenay Boundary	12	0	0	12	0	1	5	18
19 Mount Waddington	0	0	0	0	0	0	0	0
20 Nanaimo	41	0	0	41	2	1	4	48
21 North Okanagan	24	0	1	25	0	1	2	28
22 Okanagan-Similkameen	26	0	1	27	1	2	0	30
23 Peace River	9	0	1	10	0	1	2	13
24 Powell River	6	0	1	7	0	0	1	8
25 Skeena-Queen Charlotte	4	0	0	4	0	0	0	4
26 Squamish-Lillooet	14	0	0	14	0	0	2	16
27 Stikine	0	0	0	0	0	0	0	0
28 Sunshine Coast	8	0	2	10	0	2	0	12
29 Thompson-Nicola	36	0	0	36	0	2	1	39
30 Fort Nelson/Liard	0	0	0	0	0	0	0	0
Metropolitan - Subtotal	**854**	**5**	**34**	**893**	**25**	**58**	**124**	**1,100**
3 Capital	150	4	12	166	3	13	22	204
16 Greater Vancouver	704	1	22	727	22	45	102	896
TOTAL	**1,281**	**6**	**53**	**1,340**	**30**	**83**	**165**	**1,618**

[1]Definitions are as in the attached text.
[2]Includes 24 registrants working in other health care fields, and 6 in non-health care fields.

Prepared by:
Health Human Resources Unit
The University of British Columbia

Table 4 **Physiotherapists[1] Employed in Physiotherapy and/or Occupational Therapy in British Columbia by Regional Hospital District by Type of Principal Employing Institution**

December 1990

Regional Hospital District	Acute Care Hospital	Workers' Comp. Board	Children's Hospital	Community Health Centre	Non-Profit Agency	Diag. & Treatment Centre	Centre for Mentally Handicap.	Continuing Care
Non-Metropolitan - Subtotal	**213**	**2**	**0**	**6**	**11**	**13**	**2**	**14**
1 Alberni-Clayoquot	4	0	0	0	0	0	0	0
2 Bulkley-Nechako	5	0	0	0	0	1	0	1
4 Cariboo	6	0	0	0	0	0	0	0
5 Central Coast	1	0	0	0	0	0	0	0
6 Central Fraser Valley	5	1	0	0	1	0	0	0
7 Central Kootenay	11	0	0	0	0	0	0	1
8 Central Okanagan	23	0	0	1	0	0	0	2
9 Columbia-Shuswap	9	0	0	0	0	0	0	0
10 Comox-Strathcona	12	0	0	3	0	3	1	0
11 Cowichan Valley	8	0	0	1	2	0	0	0
12 Dewdney-Alouette	8	0	0	0	1	1	1	0
13 East Kootenay	12	0	0	0	1	1	0	1
14 Fraser-Cheam	5	0	0	0	0	0	0	0
15 Fraser-Fort George	12	1	0	0	1	1	0	1
17 Kitimat-Stikine	6	0	0	0	0	0	0	0
18 Kootenay Boundary	7	0	0	0	0	0	0	0
19 Mount Waddington	0	0	0	0	0	0	0	0
20 Nanaimo	19	0	0	1	2	0	0	1
21 North Okanagan	14	0	0	0	0	1	0	1
22 Okanagan-Similkameen	12	0	0	0	3	0	0	2
23 Peace River	6	0	0	0	0	0	0	0
24 Powell River	4	0	0	0	0	0	0	0
25 Skeena-Queen Charlotte	2	0	0	0	0	0	0	0
26 Squamish-Lillooet	1	0	0	0	0	3	0	0
27 Stikine	0	0	0	0	0	0	0	0
28 Sunshine Coast	2	0	0	0	0	0	0	1
29 Thompson-Nicola	19	0	0	0	0	2	0	3
30 Fort Nelson/Liard	0	0	0	0	0	0	0	0
Metropolitan - Subtotal	**301**	**29**	**25**	**16**	**26**	**11**	**2**	**48**
3 Capital	51	0	6	4	6	2	1	8
16 Greater Vancouver	250	29	19	12	20	9	1	40
TOTAL	**514**	**31**	**25**	**22**	**37**	**24**	**4**	**62**

[1]Definitions are as in the attached text.

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... *continued*

Table 4
(Continued)

Physiotherapists[1] Employed in Physiotherapy and/or Occupational Therapy in British Columbia

by Regional Hospital District by Type of Principal Employing Institution

December 1990

Regional Hospital District	Extended Care	Psych. Hospital	Rehab. Hospital	School Board	University/ College	Industry	Private Practice	Other[2]	Total
Non-Metropolitan - Subtotal	**13**	**1**	**4**	**6**	**0**	**0**	**145**	**17**	**447**
1 Alberni-Clayoquot	0	0	0	0	0	0	4	0	8
2 Bulkley-Nechako	0	0	0	0	0	0	0	0	7
4 Cariboo	0	0	0	0	0	0	3	1	10
5 Central Coast	0	0	0	0	0	0	0	0	1
6 Central Fraser Valley	1	0	0	0	0	0	10	0	18
7 Central Kootenay	0	0	0	0	0	0	6	0	18
8 Central Okanagan	2	0	0	1	0	0	13	2	44
9 Columbia-Shuswap	0	0	0	0	0	0	4	0	13
10 Comox-Strathcona	0	0	1	1	0	0	9	1	31
11 Cowichan Valley	0	0	1	0	0	0	9	0	21
12 Dewdney-Alouette	1	1	0	0	0	0	10	1	24
13 East Kootenay	0	0	1	0	0	0	1	0	17
14 Fraser-Cheam	1	0	0	1	0	0	5	1	13
15 Fraser-Fort George	1	0	0	0	0	0	8	2	27
17 Kitimat-Stikine	0	0	0	0	0	0	2	1	9
18 Kootenay Boundary	0	0	0	0	0	0	3	2	12
19 Mount Waddington	0	0	0	0	0	0	0	0	0
20 Nanaimo	2	0	0	0	0	0	13	3	41
21 North Okanagan	1	0	0	0	0	0	8	0	25
22 Okanagan-Similkameen	1	0	0	0	0	0	8	1	27
23 Peace River	2	0	0	1	0	0	0	1	10
24 Powell River	0	0	0	1	0	0	2	0	7
25 Skeena-Queen Charlotte	0	0	0	0	0	0	2	0	4
26 Squamish-Lillooet	0	0	0	0	0	0	10	0	14
27 Stikine	0	0	0	0	0	0	0	0	0
28 Sunshine Coast	0	0	0	0	0	0	6	1	10
29 Thompson-Nicola	1	0	1	1	0	0	9	0	36
30 Fort Nelson/Liard	0	0	0	0	0	0	0	0	0
Metropolitan - Subtotal	**33**	**2**	**68**	**1**	**11**	**1**	**294**	**25**	**893**
3 Capital	11	1	16	1	2	0	51	6	166
16 Greater Vancouver	22	1	52	0	9	1	243	19	727
TOTAL	**46**	**3**	**72**	**7**	**11**	**1**	**439**	**42**	**1,340**

[1]Definitions are as in the attached text.
[2]Includes 6 registrants who did not provide information, and 36 other.

Prepared by:
Health Human Resources Unit
The University of British Columbia

Table 5

Physiotherapists[1] Employed in Physiotherapy and/or Occupational Therapy in British Columbia by Regional Hospital District by Principal Patient Care Activity

December 1990

Regional Hospital District	Intensive Care	Ortho-paedics	Rheuma-tology	General	Sports Medicine	Geri-atrics	Paed.	Burns and Plastics	Rehab.
Non-Metropolitan - Subtotal	**5**	**135**	**13**	**194**	**8**	**20**	**32**	**0**	**13**
1 Alberni-Clayoquot	0	3	0	5	0	0	0	0	0
2 Bulkley-Nechako	0	2	0	4	0	0	0	0	0
4 Cariboo	0	3	0	6	0	0	1	0	0
5 Central Coast	0	0	0	1	0	0	0	0	0
6 Central Fraser Valley	0	13	1	2	1	1	0	0	0
7 Central Kootenay	0	8	0	9	0	0	0	0	0
8 Central Okanagan	1	15	2	12	0	5	2	0	5
9 Columbia-Shuswap	0	4	0	7	0	0	0	0	1
10 Comox-Strathcona	0	8	0	18	0	0	4	0	0
11 Cowichan Valley	1	3	1	13	1	0	1	0	0
12 Dewdney-Alouette	0	5	1	8	0	1	2	0	2
13 East Kootenay	0	4	1	10	1	1	0	0	0
14 Fraser-Cheam	0	4	1	6	0	0	1	0	0
15 Fraser-Fort George	1	5	0	13	0	1	3	0	1
17 Kitimat-Stikine	0	3	0	5	0	0	1	0	0
18 Kootenay Boundary	0	3	0	6	0	1	2	0	0
19 Mount Waddington	0	0	0	0	0	0	0	0	0
20 Nanaimo	0	9	2	18	0	2	4	0	2
21 North Okanagan	0	11	1	8	1	2	1	0	0
22 Okanagan-Similkameen	0	7	2	13	0	2	2	0	0
23 Peace River	0	1	0	5	0	2	2	0	0
24 Powell River	0	1	0	4	0	1	1	0	0
25 Skeena-Queen Charlotte	0	2	0	2	0	0	0	0	0
26 Squamish-Lillooet	0	7	0	3	3	0	1	0	0
27 Stikine	0	0	0	0	0	0	0	0	0
28 Sunshine Coast	0	2	0	5	0	0	2	0	0
29 Thompson-Nicola	2	12	1	11	1	1	2	0	2
30 Fort Nelson/Liard	0	0	0	0	0	0	0	0	0
Metropolitan - Subtotal	**15**	**310**	**30**	**189**	**14**	**69**	**58**	**2**	**67**
3 Capital	3	55	5	32	3	27	12	0	6
16 Greater Vancouver	12	255	25	157	11	42	46	2	61
TOTAL	**20**	**445**	**43**	**383**	**22**	**89**	**90**	**2**	**80**

[1]Definitions are as in the attached text.

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... *continued*

Table 5
(Continued)

Physiotherapists[1] Employed in Physiotherapy and/or Occupational Therapy in British Columbia by Regional Hospital District by Principal Patient Care Activity

December 1990

Regional Hospital District	Cardio-Resp.	Neur-ology	Chronic Care	Psych.	Mentally Handi-capped	Preventive/ Health Education	Obst. & Gynae.	Not involved	Other[2]	Total
Non-Metropolitan - Subtotal	**3**	**4**	**1**	**1**	**2**	**2**	**0**	**3**	**11**	**447**
1 Alberni-Clayoquot	0	0	0	0	0	0	0	0	0	8
2 Bulkley-Nechako	0	0	0	0	0	0	0	0	1	7
4 Cariboo	0	0	0	0	0	0	0	0	0	10
5 Central Coast	0	0	0	0	0	0	0	0	0	1
6 Central Fraser Valley	0	0	0	0	0	0	0	0	0	18
7 Central Kootenay	0	1	0	0	0	0	0	0	0	18
8 Central Okanagan	1	0	0	0	0	0	0	1	0	44
9 Columbia-Shuswap	0	0	0	0	0	0	0	0	1	13
10 Comox-Strathcona	0	1	0	0	0	0	0	0	0	31
11 Cowichan Valley	0	1	0	0	0	0	0	0	0	21
12 Dewdney-Alouette	1	0	0	1	1	0	0	0	2	24
13 East Kootenay	0	0	0	0	0	0	0	0	0	17
14 Fraser-Cheam	0	0	0	0	0	1	0	0	0	13
15 Fraser-Fort George	0	1	0	0	0	0	0	1	1	27
17 Kitimat-Stikine	0	0	0	0	0	0	0	0	0	9
18 Kootenay Boundary	0	0	0	0	0	0	0	0	0	12
19 Mount Waddington	0	0	0	0	0	0	0	0	0	0
20 Nanaimo	1	0	0	0	0	0	0	1	2	41
21 North Okanagan	0	0	0	0	0	0	0	0	1	25
22 Okanagan-Similkameen	0	0	1	0	0	0	0	0	0	27
23 Peace River	0	0	0	0	0	0	0	0	0	10
24 Powell River	0	0	0	0	0	0	0	0	0	7
25 Skeena-Queen Charlotte	0	0	0	0	0	0	0	0	0	4
26 Squamish-Lillooet	0	0	0	0	0	0	0	0	0	14
27 Stikine	0	0	0	0	0	0	0	0	0	0
28 Sunshine Coast	0	0	0	0	0	1	0	0	0	10
29 Thompson-Nicola	0	0	0	0	1	0	0	0	3	36
30 Fort Nelson/Liard	0	0	0	0	0	0	0	0	0	0
Metropolitan - Subtotal	**29**	**36**	**6**	**1**	**1**	**2**	**8**	**21**	**35**	**893**
3 Capital	5	8	2	1	1	0	0	3	3	166
16 Greater Vancouver	24	28	4	0	0	2	8	18	32	727
TOTAL	**32**	**40**	**7**	**2**	**3**	**4**	**8**	**24**	**46**	**1,340**

[1]Definitions are as in the attached text.
[2]Includes 12 registrants who did not provide information, and 34 other.

Prepared by:
Health Human Resources Unit
The University of British Columbia

Table 6 **Physiotherapists[1] Employed in Physiotherapy and/or Occupational Therapy in British Columbia by Regional Hospital District by Principal Type of Position**

December 1990

Regional Hospital District	Staff Therapist	Sole Charge	Program Co-ordinator	Senior Therapist	Clinical Instructor	Research Therapist
Non-Metropolitan - Subtotal	**193**	**47**	**4**	**23**	**0**	**0**
1 Alberni-Clayoquot	3	0	0	0	0	0
2 Bulkley-Nechako	4	1	0	1	0	0
4 Cariboo	4	1	0	0	0	0
5 Central Coast	0	1	0	0	0	0
6 Central Fraser Valley	9	0	0	0	0	0
7 Central Kootenay	6	5	0	1	0	0
8 Central Okanagan	21	1	0	5	0	0
9 Columbia-Shuswap	8	1	0	0	0	0
10 Comox-Strathcona	14	5	1	1	0	0
11 Cowichan Valley	6	1	0	1	0	0
12 Dewdney-Alouette	10	0	0	3	0	0
13 East Kootenay	9	4	0	0	0	0
14 Fraser-Cheam	2	3	0	0	0	0
15 Fraser-Fort George	16	0	1	0	0	0
17 Kitimat-Stikine	3	2	0	0	0	0
18 Kootenay Boundary	7	1	0	0	0	0
19 Mount Waddington	0	0	0	0	0	0
20 Nanaimo	18	4	0	3	0	0
21 North Okanagan	11	3	0	2	0	0
22 Okanagan-Similkameen	12	4	2	1	0	0
23 Peace River	5	2	0	1	0	0
24 Powell River	3	0	0	0	0	0
25 Skeena-Queen Charlotte	1	1	0	0	0	0
26 Squamish-Lillooet	4	2	0	0	0	0
27 Stikine	0	0	0	0	0	0
28 Sunshine Coast	1	1	0	0	0	0
29 Thompson-Nicola	16	4	0	4	0	0
30 Fort Nelson/Liard	0	0	0	0	0	0
Metropolitan - Subtotal	**473**	**12**	**9**	**74**	**2**	**2**
3 Capital	89	5	1	14	0	0
16 Greater Vancouver	384	7	8	60	2	2
TOTAL	**666**	**59**	**13**	**97**	**2**	**2**

[1]Definitions are as in the attached text.

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... *continued*

Table 6
(Continued)

Physiotherapists[1] Employed in Physiotherapy and/or Occupational Therapy in British Columbia by Regional Hospital District by Principal Type of Position

December 1990

Regional Hospital District	Director	Assistant Director	Consultant	Private Practice: Owner/ Partner	Private Practice: Associate	Other[2]	Total
Non-Metropolitan - Subtotal	**38**	**2**	**8**	**89**	**35**	**8**	**447**
1 Alberni-Clayoquot	1	0	0	3	0	1	8
2 Bulkley-Nechako	1	0	0	0	0	0	7
4 Cariboo	3	0	0	1	1	0	10
5 Central Coast	0	0	0	0	0	0	1
6 Central Fraser Valley	1	0	0	5	3	0	18
7 Central Kootenay	1	0	1	4	0	0	18
8 Central Okanagan	3	0	1	9	3	1	44
9 Columbia-Shuswap	0	0	0	4	0	0	13
10 Comox-Strathcona	2	0	0	6	2	0	31
11 Cowichan Valley	3	0	0	7	2	1	21
12 Dewdney-Alouette	2	0	0	7	1	1	24
13 East Kootenay	3	0	0	1	0	0	17
14 Fraser-Cheam	2	0	1	4	1	0	13
15 Fraser-Fort George	1	0	0	4	4	1	27
17 Kitimat-Stikine	2	0	0	1	1	0	9
18 Kootenay Boundary	0	1	0	3	0	0	12
19 Mount Waddington	0	0	0	0	0	0	0
20 Nanaimo	2	0	0	10	2	2	41
21 North Okanagan	3	0	1	2	3	0	25
22 Okanagan-Similkameen	2	0	0	2	4	0	27
23 Peace River	1	0	1	0	0	0	10
24 Powell River	1	0	2	1	0	0	7
25 Skeena-Queen Charlotte	0	0	0	2	0	0	4
26 Squamish-Lillooet	0	0	0	4	4	0	14
27 Stikine	0	0	0	0	0	0	0
28 Sunshine Coast	1	0	0	5	1	1	10
29 Thompson-Nicola	3	1	1	4	3	0	36
30 Fort Nelson/Liard	0	0	0	0	0	0	0
Metropolitan - Subtotal	**27**	**7**	**16**	**164**	**74**	**33**	**893**
3 Capital	4	2	1	32	10	8	166
16 Greater Vancouver	23	5	15	132	64	25	727
TOTAL	**65**	**9**	**24**	**253**	**109**	**41**	**1,340**

[1]Definitions are as in the attached text.
[2]Includes 11 registrants who did not provide information, and 30 other.

Prepared by:
Health Human Resources Unit
The University of British Columbia

PHARMACISTS

PHARMACISTS

Definition: A 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 (CPBC). In order to practise as a pharmacist in B.C., it is necessary to be registered by the College.

Date of Record: December 1989 and December 1990.

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

Preparation and Updating:

The tables have been prepared from registration data maintained by the CPBC and include licensed pharmacists who had a B.C. address at the date of record.

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

Definition of Terms:

1. **Employment Status and Type of Position**

Position of pharmaceutical employment is aggregated into the following categories:

(a) Employed in Pharmacy and working either in hospitals or in community pharmacies.

(i) Manager - dispensing

- who have and can confer upon others narcotic signing authority

(ii) Non-manager - dispensing

- who may have narcotic signing authority but who cannot confer it upon others

(b) Not Employed in Pharmacy

2. **Analysis of Change**

Table 4 illustrates the sources of change which affected the stock of pharmacists from December 1989 to December 1990.

New registrants are pharmacists included in the December 1990 stock who registered with the College of Pharmacists of B.C. for the first time subsequent to December 1989. New registrants are recorded according to their place of graduation: i.e., from U.B.C., Other Canadian Provinces (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 1989, but were licensed in B.C. in December 1990, and whose date of initial registration was before December 1989.

Attrition (Attr'n) describes pharmacists who were included in the December 1989 stock but who, because of death, retirement, suspension, out-of-province relocation or non-renewal of licensure were not included in the December 1990 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 1990
N=2361

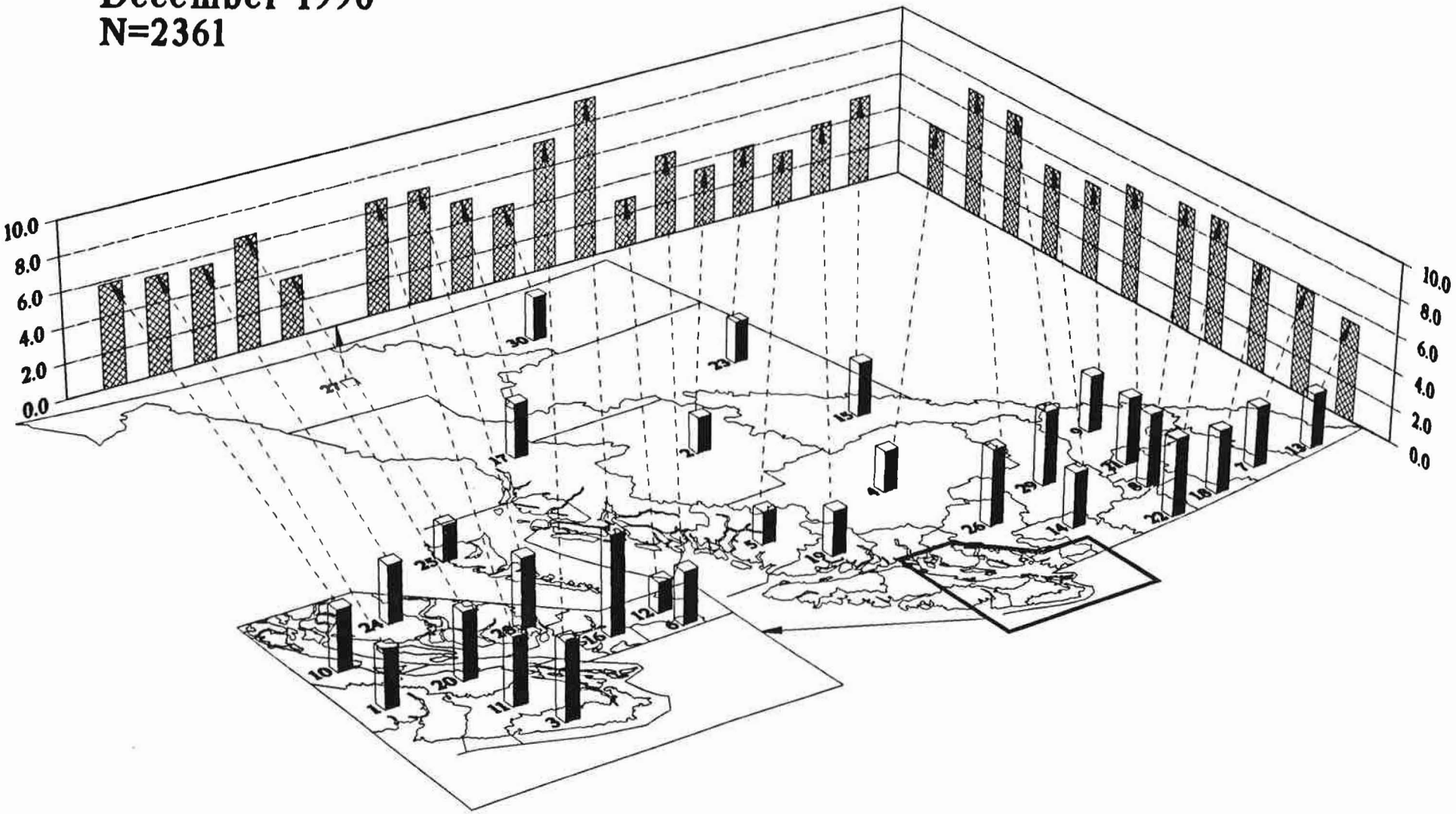

Table 1

Pharmacists[1] in British Columbia

by Regional Hospital District

December 1989 and December 1990

Regional Hospital District	Number 1989	Number 1990	Number Per 10,000 Population 1989[2]	Number Per 10,000 Population 1990	Average Annual Rate of Change Number[3]	Average Annual Rate of Change Ratio[4]
Non-Metropolitan - Subtotal	**725**	**757**	**5.45**	**5.59**	**4.41**	**2.48**
1 Alberni-Clayoquot	15	17	5.01	5.61	13.33	12.02
2 Bulkley-Nechako	13	13	3.51	3.48	0.00	-1.01
4 Cariboo	24	23	4.12	3.92	-4.17	-4.80
5 Central Coast	1	1	3.13	3.14	*	0.22
6 Central Fraser Valley	42	41	5.28	4.92	-2.38	-6.86
7 Central Kootenay	30	29	6.18	5.89	-3.33	-4.77
8 Central Okanagan	63	72	6.44	7.10	14.29	10.22
9 Columbia-Shuswap	20	22	5.04	5.53	10.00	9.58
10 Comox-Strathcona	40	46	5.23	5.84	15.00	11.66
11 Cowichan Valley	33	37	5.98	6.60	12.12	10.34
12 Dewdney-Alouette	22	25	2.67	2.87	13.64	7.33
13 East Kootenay	26	26	5.34	5.40	0.00	0.94
14 Fraser-Cheam	35	34	5.56	5.23	-2.86	-5.91
15 Fraser-Fort George	37	45	4.29	5.20	21.62	21.27
17 Kitimat-Stikine	24	21	6.12	5.32	-12.50	-13.14
18 Kootenay Boundary	16	18	5.36	6.01	12.50	11.94
19 Mount Waddington	3	6	2.11	4.24	*	100.81
20 Nanaimo	66	59	7.47	6.48	-10.61	-13.35
21 North Okanagan	35	37	6.23	6.54	5.71	4.97
22 Okanagan-Similkameen	45	46	7.27	7.34	2.22	0.95
23 Peace River	20	20	4.05	4.08	0.00	0.71
24 Powell River	9	10	4.95	5.45	*	10.05
25 Skeena-Queen Charlotte	10	8	4.37	3.48	-20.00	-20.22
26 Squamish-Lillooet	15	16	7.00	7.27	6.67	3.79
27 Stikine	0	0	0.00	0.00	*	*
28 Sunshine Coast	11	12	6.16	6.59	9.09	7.05
29 Thompson-Nicola	68	71	6.95	7.20	4.41	3.62
30 Fort Nelson/Liard	2	2	4.27	4.36	*	2.11
Metropolitan - Subtotal	**1,560**	**1,604**	**9.05**	**9.03**	**2.82**	**-0.19**
3 Capital	210	219	7.42	7.53	4.29	1.55
16 Greater Vancouver	1,350	1,385	9.37	9.32	2.59	-0.48
TOTAL	**2,285**	**2,361**	**7.48**	**7.54**	**3.33**	**0.78**

[1]Definitions are as in the attached text.
[2]These figures differ from the corresponding figures for 1989 appearing in ROLLCALL 89. See Foreword.
[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 Human Resources Unit
The University of British Columbia

Table 2

Pharmacists[1] in British Columbia

by Regional Hospital District by Employment Status and Type of Position

December 1990

Regional Hospital District	Employed in Pharmacy: Manager – Hospital	Manager – Community	Non-Manager – Hospital	Non-Manager – Community	Subtotal	Not Employed in Pharmacy	Total
Non-Metropolitan - Subtotal	**231**	**31**	**307**	**76**	**645**	**112**	**757**
1 Alberni-Clayoquot	6	1	4	1	12	5	17
2 Bulkley-Nechako	8	1	4	0	13	0	13
4 Cariboo	10	2	9	1	22	1	23
5 Central Coast	0	0	0	0	0	1	1
6 Central Fraser Valley	10	1	18	7	36	5	41
7 Central Kootenay	10	1	11	2	24	5	29
8 Central Okanagan	18	1	31	9	59	13	72
9 Columbia-Shuswap	7	1	8	3	19	3	22
10 Comox-Strathcona	11	1	16	8	36	10	46
11 Cowichan Valley	11	2	16	2	31	6	37
12 Dewdney-Alouette	8	1	11	2	22	3	25
13 East Kootenay	7	2	12	2	23	3	26
14 Fraser-Cheam	11	2	18	2	33	1	34
15 Fraser-Fort George	12	2	15	6	35	10	45
17 Kitimat-Stikine	8	1	12	0	21	0	21
18 Kootenay Boundary	5	2	9	1	17	1	18
19 Mount Waddington	3	0	2	0	5	1	6
20 Nanaimo	18	0	31	6	55	4	59
21 North Okanagan	8	1	12	3	24	13	37
22 Okanagan-Similkameen	14	3	17	5	39	7	46
23 Peace River	7	2	8	2	19	1	20
24 Powell River	2	1	3	0	6	4	10
25 Skeena-Queen Charlotte	3	1	4	0	8	0	8
26 Squamish-Lillooet	7	0	7	0	14	2	16
27 Stikine	0	0	0	0	0	0	0
28 Sunshine Coast	6	1	4	0	11	1	12
29 Thompson-Nicola	20	1	24	14	59	12	71
30 Fort Nelson/Liard	1	0	1	0	2	0	2
Metropolitan - Subtotal	**363**	**33**	**626**	**277**	**1,299**	**305**	**1,604**
3 Capital	60	8	88	35	191	28	219
16 Greater Vancouver	303	25	538	242	1,108	277	1,385
TOTAL	**594**	**64**	**933**	**353**	**1,944**	**417**	**2,361**

[1]Definitions are as in the attached text.

Prepared by:
Health Human Resources Unit
The University of British Columbia

Table 3

Analysis of Change in the Number of Pharmacists[1]

in British Columbia by Regional Hospital District

December 1989 to December 1990

Regional Hospital District	1989[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]	1990[8]
Non-Metropolitan - Subtotal	**725**	**34**	**2**	**0**	**0**	**36**	**22**	**29**	**3**	**757**
1 Alberni-Clayoquot	15	2	0	0	0	2	0	0	0	17
2 Bulkley-Nechako	13	2	0	0	0	2	0	1	-1	13
4 Cariboo	24	3	0	0	0	3	0	0	-4	23
5 Central Coast	1	1	0	0	0	1	0	0	-1	1
6 Central Fraser Valley	42	2	0	0	0	2	1	4	0	41
7 Central Kootenay	30	0	0	0	0	0	0	1	0	29
8 Central Okanagan	63	1	0	0	0	1	4	1	5	72
9 Columbia-Shuswap	20	0	1	0	0	1	0	0	1	22
10 Comox-Strathcona	40	2	0	0	0	2	3	4	5	46
11 Cowichan Valley	33	1	1	0	0	2	1	1	2	37
12 Dewdney-Alouette	22	0	0	0	0	0	1	0	2	25
13 East Kootenay	26	2	0	0	0	2	2	0	-4	26
14 Fraser-Cheam	35	3	0	0	0	3	1	1	-4	34
15 Fraser-Fort George	37	6	0	0	0	6	2	1	1	45
17 Kitimat-Stikine	24	2	0	0	0	2	1	2	-4	21
18 Kootenay Boundary	16	0	0	0	0	0	1	0	1	18
19 Mount Waddington	3	0	0	0	0	0	0	1	4	6
20 Nanaimo	66	1	0	0	0	1	0	7	-1	59
21 North Okanagan	35	0	0	0	0	0	2	0	0	37
22 Okanagan-Similkameen	45	1	0	0	0	1	0	2	2	46
23 Peace River	20	0	0	0	0	0	1	0	-1	20
24 Powell River	9	1	0	0	0	1	0	0	0	10
25 Skeena-Queen Charlotte	10	1	0	0	0	1	0	0	-3	8
26 Squamish-Lillooet	15	0	0	0	0	0	0	0	1	16
27 Stikine	0	0	0	0	0	0	0	0	0	0
28 Sunshine Coast	11	0	0	0	0	0	0	0	1	12
29 Thompson-Nicola	68	3	0	0	0	3	2	3	1	71
30 Fort Nelson/Liard	2	0	0	0	0	0	0	0	0	2
Metropolitan - Subtotal	**1,560**	**86**	**2**	**2**	**1**	**91**	**34**	**78**	**-3**	**1,604**
3 Capital	210	7	0	0	0	7	8	11	5	219
16 Greater Vancouver	1,350	79	2	2	1	84	26	67	-8	1,385
TOTAL	**2,285**	**120**	**4**	**2**	**1**	**127**	**56**	**107**	**0**	**2,361**

[1]Definitions are as in the attached text.
[2]Pharmacists licensed in B.C. in December 1990 and who were registered for the first time after December 1989.
[3]Number of pharmacists as at December 1989.
[4]Other Canada.
[5]Pharmacists licensed in B.C. in December 1990 but not in December 1989 and who were registered for the first time before December 1989.
[6]Pharmacists licensed in B.C. in December 1989 but not in December 1990.
[7]Net effect of intraprovincial migration.
[8]Number of pharmacists as at December 1990.
Prepared by:
Health Human Resources Unit
The University of British Columbia

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; Health Professions Amendment Act, 1989, Chapter 29.

Governing Body: College of Psychologists of British Columbia (CPBC). In order to practise as a psychologist in B.C., it is necessary to be registered by the CPBC.

Date of Record: December 1989 and December 1990.

Source of Data: College of Psychologists of British Columbia.

Preparation and Updating:

Table 1 and Table 2 were prepared from registration data maintained by the CPBC and include psychologists who were British Columbia residents at the date of record.

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[1]Psychologists Act 1979, RSBC c. 342, p. 1.

See also *Canadian Classification and Dictionary of Occupations 1980.* Major Group 23, Unit Group 2315-110 through 2315-199, pp. 5-7, Ottawa: Employment and Immigration Canada.

Definition of Terms:

1. Registration

A psychologist must be registered with the CPBC. 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 1989 to 1990.

New registrants are psychologists included in the December 1990 stock who registered with the CPBC *for the first time* subsequent to December 1989. New registrants are recorded according to their place of graduation: i.e., from B.C., Other Canadian Provinces (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 1989, but were registered in B.C. in December 1990, and whose date of initial registration was before December 1989.

Attrition (Attr'n) describes psychologists who were included in the December 1989 stock but who, because of death, retirement, suspension, out-of-province relocation or non-renewal of registration were not included in the December 1990 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 1990 N=729

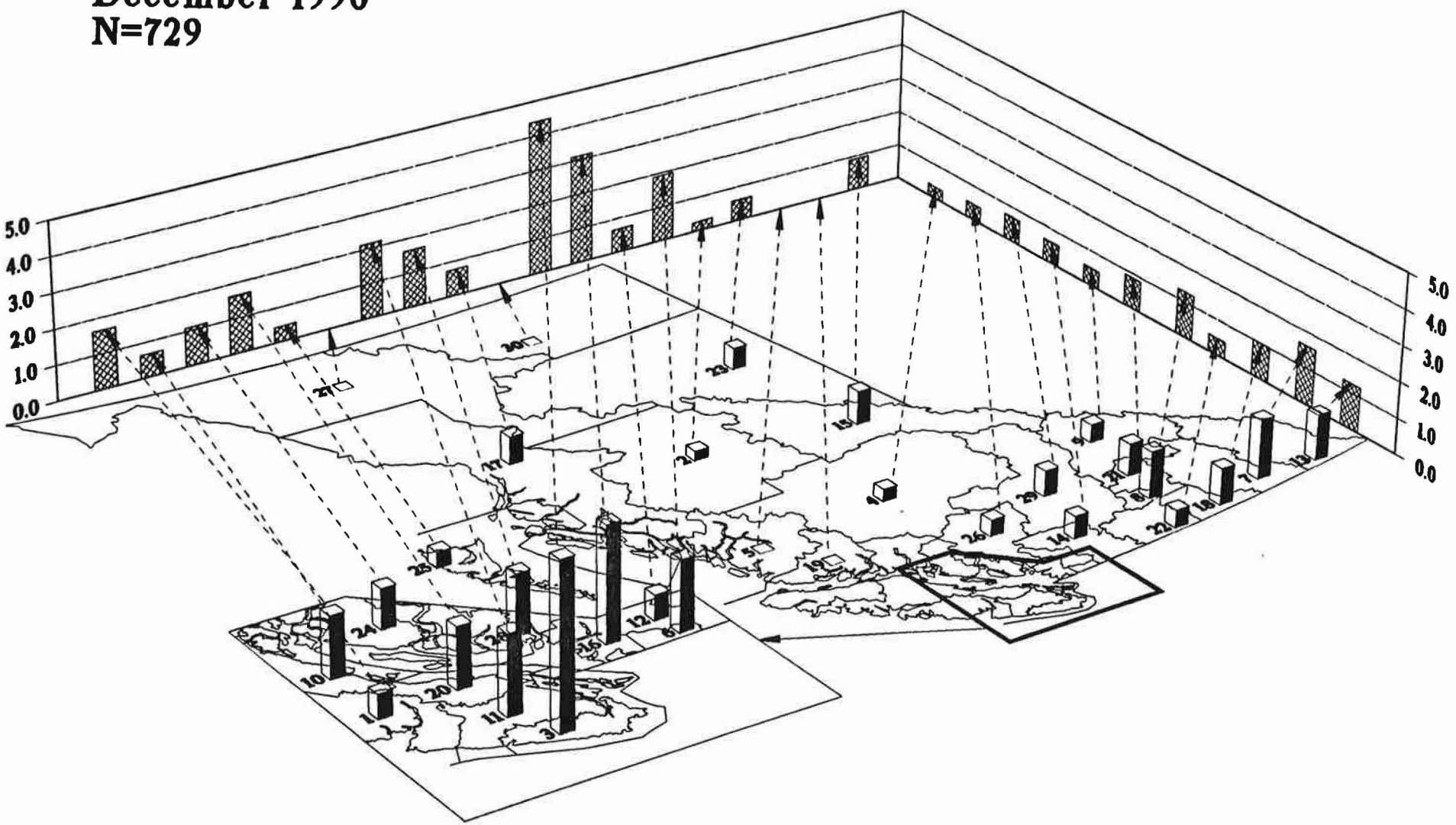

Table 1

Registered Psychologists[1] in British Columbia

by Regional Hospital District

December 1989 and December 1990

Regional Hospital District	Number 1989	Number 1990	Number per 10,000 Population 1989[2]	Number per 10,000 Population 1990	Average Annual Rate of Change Number[3]	Average Annual Rate of Change Ratio[4]
Non-Metropolitan - Subtotal	**134**	**139**	**1.01**	**1.03**	**3.73**	**1.81**
1 Alberni-Clayoquot	1	2	0.33	0.66	*	*
2 Bulkley-Nechako	0	1	0.00	0.27	*	*
4 Cariboo	3	2	0.51	0.34	*	*
5 Central Coast	0	0	0.00	0.00	*	*
6 Central Fraser Valley	15	16	1.89	1.92	6.67	1.78
7 Central Kootenay	6	8	1.24	1.62	*	*
8 Central Okanagan	15	13	1.53	1.28	-13.33	-16.42
9 Columbia-Shuswap	2	2	0.50	0.50	*	*
10 Comox-Strathcona	12	13	1.57	1.65	8.33	5.18
11 Cowichan Valley	12	12	2.17	2.14	0.00	-1.59
12 Dewdney-Alouette	6	6	0.73	0.69	*	*
13 East Kootenay	5	6	1.03	1.25	*	*
14 Fraser-Cheam	4	4	0.64	0.62	*	*
15 Fraser-Fort George	8	8	0.93	0.92	*	*
17 Kitimat-Stikine	3	3	0.77	0.76	*	*
18 Kootenay Boundary	3	3	1.01	1.00	*	*
19 Mount Waddington	0	0	0.00	0.00	*	*
20 Nanaimo	16	15	1.81	1.65	-6.25	-9.12
21 North Okanagan	5	5	0.89	0.88	*	*
22 Okanagan-Similkameen	1	3	0.16	0.48	*	*
23 Peace River	4	3	0.81	0.61	*	*
24 Powell River	2	2	1.10	1.09	*	*
25 Skeena-Queen Charlotte	1	1	0.44	0.44	*	*
26 Squamish-Lillooet	1	1	0.47	0.45	*	*
27 Stikine	0	0	0.00	0.00	*	*
28 Sunshine Coast	3	3	1.68	1.65	*	*
29 Thompson-Nicola	6	7	0.61	0.71	*	*
30 Fort Nelson/Liard	0	0	0.00	0.00	*	*
Metropolitan - Subtotal	**574**	**590**	**3.33**	**3.32**	**2.79**	**-0.23**
3 Capital	119	128	4.20	4.40	7.56	4.74
16 Greater Vancouver	455	462	3.16	3.11	1.54	-1.50
TOTAL	**708**	**729**	**2.32**	**2.33**	**2.97**	**0.43**

[1]Definitions are as in the attached text.
[2]These figures differ from the corresponding figures for 1989 appearing in ROLLCALL 89. See Foreword.
[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 Human Resources 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 1989 to December 1990

Regional Hospital District	1989[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]	1990[8]
Non-Metropolitan - Subtotal	**134**	**1**	**2**	**0**	**1**	**4**	**1**	**2**	**2**	**139**
1 Alberni-Clayoquot	1	1	0	0	0	1	0	0	0	2
2 Bulkley-Nechako	0	0	1	0	0	1	0	0	0	1
4 Cariboo	3	0	0	0	0	0	0	0	-1	2
5 Central Coast	0	0	0	0	0	0	0	0	0	0
6 Central Fraser Valley	15	0	0	0	1	1	0	0	0	16
7 Central Kootenay	6	0	0	0	0	0	1	0	1	8
8 Central Okanagan	15	0	0	0	0	0	0	1	-1	13
9 Columbia-Shuswap	2	0	0	0	0	0	0	0	0	2
10 Comox-Strathcona	12	0	0	0	0	0	0	0	1	13
11 Cowichan Valley	12	0	0	0	0	0	0	0	0	12
12 Dewdney-Alouette	6	0	0	0	0	0	0	0	0	6
13 East Kootenay	5	0	0	0	0	0	0	0	1	6
14 Fraser-Cheam	4	0	0	0	0	0	0	0	0	4
15 Fraser-Fort George	8	0	0	0	0	0	0	0	0	8
17 Kitimat-Stikine	3	0	0	0	0	0	0	0	0	3
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	16	0	0	0	0	0	0	0	-1	15
21 North Okanagan	5	0	0	0	0	0	0	0	0	5
22 Okanagan-Similkameen	1	0	0	0	0	0	0	0	2	3
23 Peace River	4	0	0	0	0	0	0	1	0	3
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	0	1
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	3	0	0	0	0	0	0	0	0	3
29 Thompson-Nicola	6	0	1	0	0	1	0	0	0	7
30 Fort Nelson/Liard	0	0	0	0	0	0	0	0	0	0
Metropolitan - Subtotal	**574**	**5**	**11**	**4**	**0**	**20**	**2**	**4**	**-2**	**590**
3 Capital	119	2	3	0	0	5	1	0	3	128
16 Greater Vancouver	455	3	8	4	0	15	1	4	-5	462
TOTAL	**708**	**6**	**13**	**4**	**1**	**24**	**3**	**6**	**0**	**729**

[1]Definitions are as in the attached text.
[2]Psychologists registered in B.C. in December 1990 and who were registered for the first time after December 1989.
[3]Number of psychologists as at December 1989.
[4]Other Canada.
[5]Psychologists registered in B.C. in December 1990 but not in December 1989 and who were registered for the first time before December 1989.
[6]Psychologists registered in B.C. in December 1989 but not in December 1990.
[7]Net effect of intraprovincial migration.
[8]Number of psychologists as at December 1990.

Prepared by:
Health Human Resources 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 1989 and September 1990.

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 Human Resources 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.

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[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:

(a) The MSC specialty code, based on billings volume and developed to assess practice profiles, is used unless:

(i) 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*,

(ii) 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.

(b) The MSC specialty code may not necessarily reflect the actual MSC specialty field at the date of record. For September 1989, the MSC specialty codes for September 1988 were used, while for September 1990, the MSC specialty codes for December 1990 were 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

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

4. Analysis of Change

Table 9 illustrates key sources of change which may have affected the stock of non-postgraduate physicians from 1989 to 1990.

New registrants include physicians who registered *for the first time* subsequent to September 1989 and were licensed to practise in September 1990. They are recorded according to their place of graduation i.e., from U.B.C., Other Canadian Provinces (O.Can.), the United Kingdom (U.K.), or Other.

Re-activations (Re-Act) include those physicians who, in 1989, were registered but not licensed to practise in B.C. and who were licensed to practise in B.C. in 1990. More specifically, those designated *PG to Non-PG* (PG-NPG) were registered as of September 1989 and were engaged in postgraduate work. In September 1990 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 1989, but who were licensed to practise in B.C. in September 1990.

Attrition (Attr'n) describes those physicians who were included in the 1989 physician stock but who, because of death, retirement, non-renewal of licence or out-of-province relocation, were not included in the 1990 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=7355

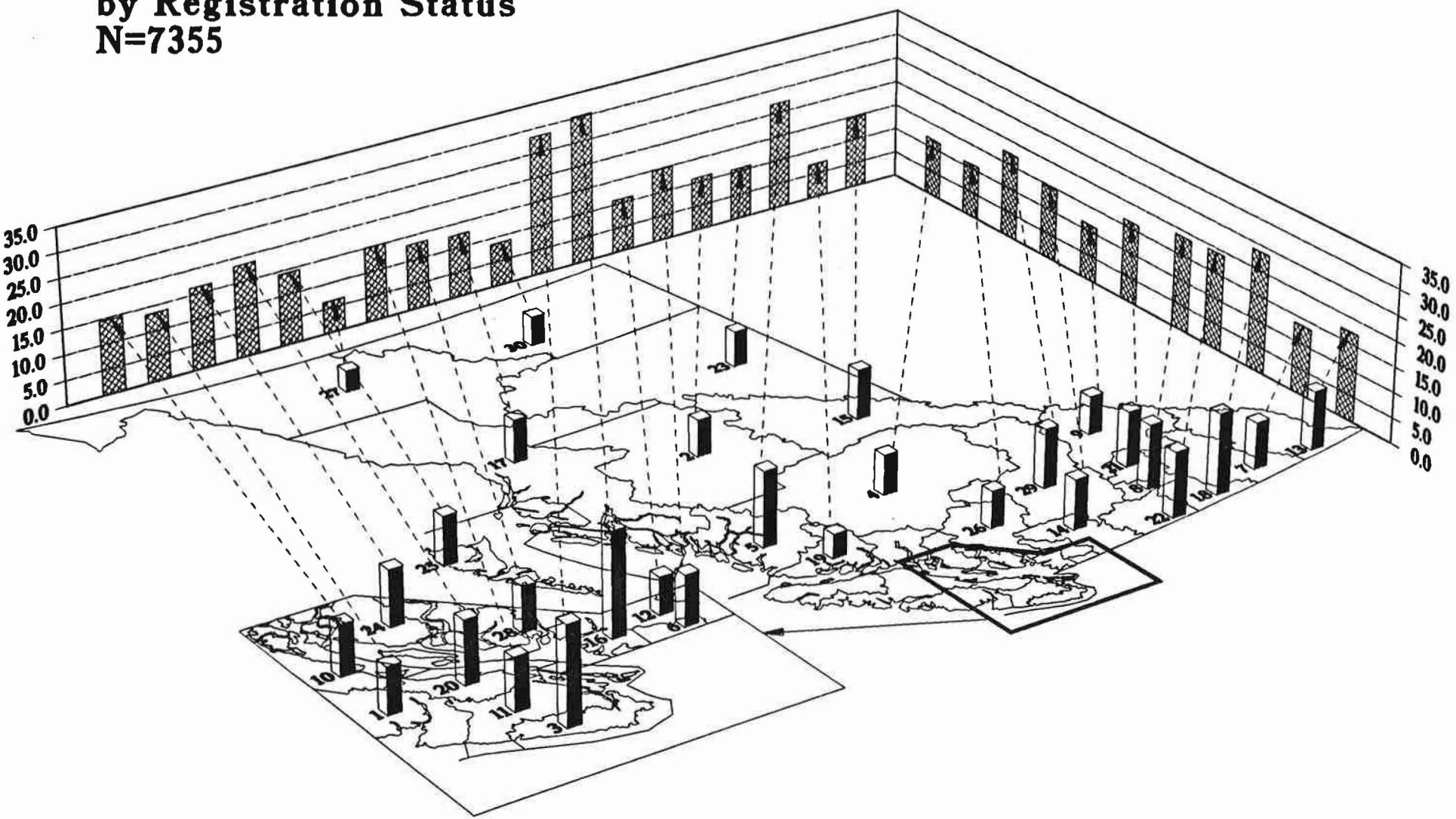

Table 1

Directory Active Physicians[1] in British Columbia

by Regional Hospital District by Registration Status

September 1989 and September 1990

Regional Hospital District	Non-Postgraduate 1989	Non-Postgraduate 1990	Postgraduate 1989	Postgraduate 1990	Total 1989	Total 1990
Non-Metropolitan - Subtotal	**1,955**	**2,028**	**6**	**3**	**1,961**	**2,031**
1 Alberni-Clayoquot	40	41	0	0	40	41
2 Bulkley-Nechako	44	41	0	0	44	41
4 Cariboo	68	69	0	0	68	69
5 Central Coast	4	7	1	0	5	7
6 Central Fraser Valley	116	123	0	0	116	123
7 Central Kootenay	68	67	0	0	68	67
8 Central Okanagan	173	189	1	1	174	190
9 Columbia-Shuswap	46	45	0	0	46	45
10 Comox-Strathcona	114	115	0	0	114	115
11 Cowichan Valley	84	84	0	0	84	84
12 Dewdney-Alouette	91	95	0	0	91	95
13 East Kootenay	77	83	0	0	77	83
14 Fraser-Cheam	83	95	0	0	83	95
15 Fraser-Fort George	125	127	1	0	126	127
17 Kitimat-Stikine	48	48	2	2	50	50
18 Kootenay Boundary	60	71	1	0	61	71
19 Mount Waddington	13	10	0	0	13	10
20 Nanaimo	160	167	0	0	160	167
21 North Okanagan	89	92	0	0	89	92
22 Okanagan-Similkameen	111	120	0	0	111	120
23 Peace River	52	52	0	0	52	52
24 Powell River	28	30	0	0	28	30
25 Skeena-Queen Charlotte	33	33	0	0	33	33
26 Squamish-Lillooet	25	24	0	0	25	24
27 Stikine	1	1	0	0	1	1
28 Sunshine Coast	26	24	0	0	26	24
29 Thompson-Nicola	172	171	0	0	172	171
30 Fort Nelson/Liard	4	4	0	0	4	4
Metropolitan - Subtotal	**4,504**	**4,642**	**628**	**682**	**5,132**	**5,324**
3 Capital	758	793	27	32	785	825
16 Greater Vancouver	3,746	3,849	601	650	4,347	4,499
TOTAL	**6,459**	**6,670**	**634**	**685**	**7,093**	**7,355**

[1]Definitions are as in the attached text.

Prepared by:
Health Human Resources 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 1989 and September 1990

Regional Hospital District	Non-Postgraduate 1989[2]	Non-Postgraduate 1990	Postgraduate 1989[2]	Postgraduate 1990	Total 1989[2]	Total 1990
Non-Metropolitan - Subtotal	**14.71**	**14.97**	**0.05**	**0.02**	**14.75**	**15.00**
1 Alberni-Clayoquot	13.36	13.53	0.00	0.00	13.36	13.53
2 Bulkley-Nechako	11.88	10.96	0.00	0.00	11.88	10.96
4 Cariboo	11.66	11.76	0.00	0.00	11.66	11.76
5 Central Coast	12.54	21.98	3.13	0.00	15.67	21.98
6 Central Fraser Valley	14.59	14.76	0.00	0.00	14.59	14.76
7 Central Kootenay	14.02	13.61	0.00	0.00	14.02	13.61
8 Central Okanagan	17.70	18.64	0.10	0.10	17.80	18.74
9 Columbia-Shuswap	11.60	11.31	0.00	0.00	11.60	11.31
10 Comox-Strathcona	14.92	14.61	0.00	0.00	14.92	14.61
11 Cowichan Valley	15.22	14.98	0.00	0.00	15.22	14.98
12 Dewdney-Alouette	11.05	10.90	0.00	0.00	11.05	10.90
13 East Kootenay	15.83	17.22	0.00	0.00	15.83	17.22
14 Fraser-Cheam	13.19	14.62	0.00	0.00	13.19	14.62
15 Fraser-Fort George	14.49	14.68	0.12	0.00	14.61	14.68
17 Kitimat-Stikine	12.25	12.16	0.51	0.51	12.76	12.66
18 Kootenay Boundary	20.12	23.69	0.34	0.00	20.45	23.69
19 Mount Waddington	9.16	7.07	0.00	0.00	9.16	7.07
20 Nanaimo	18.12	18.33	0.00	0.00	18.12	18.33
21 North Okanagan	15.84	16.26	0.00	0.00	15.84	16.26
22 Okanagan-Similkameen	17.93	19.14	0.00	0.00	17.93	19.14
23 Peace River	10.54	10.61	0.00	0.00	10.54	10.61
24 Powell River	15.40	16.34	0.00	0.00	15.40	16.34
25 Skeena-Queen Charlotte	14.41	14.37	0.00	0.00	14.41	14.37
26 Squamish-Lillooet	11.67	10.90	0.00	0.00	11.67	10.90
27 Stikine	6.32	6.39	0.00	0.00	6.32	6.39
28 Sunshine Coast	14.55	13.18	0.00	0.00	14.55	13.18
29 Thompson-Nicola	17.57	17.33	0.00	0.00	17.57	17.33
30 Fort Nelson/Liard	8.53	8.71	0.00	0.00	8.53	8.71
Metropolitan - Subtotal	**26.12**	**26.14**	**3.64**	**3.84**	**29.77**	**29.97**
3 Capital	26.78	27.28	0.95	1.10	27.73	28.38
16 Greater Vancouver	25.99	25.91	4.17	4.38	30.17	30.29
TOTAL	**21.15**	**21.31**	**2.08**	**2.19**	**23.23**	**23.50**

[1]Definitions are as in the attached text.
[2]These figures differ from the corresponding figures for 1989 appearing in ROLLCALL 89. See Foreword.

Prepared by:
Health Human Resources 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 1989 to September 1990

Regional Hospital District	Non-Postgraduate		Postgraduate		Total	
	Number[2]	Ratio[3]	Number[2]	Ratio[3]	Number[2]	Ratio[3]
Non-Metropolitan - Subtotal	**1.85**	**0.90**	*	*	**1.77**	**0.82**
1 Alberni-Clayoquot	1.24	0.65	*	*	1.24	0.65
2 Bulkley-Nechako	-3.47	-3.96	*	*	-3.47	-3.96
4 Cariboo	0.73	0.40	*	*	0.73	0.40
5 Central Coast	*	*	*	*	*	*
6 Central Fraser Valley	2.97	0.59	*	*	2.97	0.59
7 Central Kootenay	-0.74	-1.48	*	*	-0.74	-1.48
8 Central Okanagan	4.52	2.64	*	*	4.50	2.62
9 Columbia-Shuswap	-1.09	-1.28	*	*	-1.09	-1.28
10 Comox-Strathcona	0.44	-1.03	*	*	0.44	-1.03
11 Cowichan Valley	0.00	-0.80	*	*	0.00	-0.80
12 Dewdney-Alouette	2.17	-0.70	*	*	2.17	-0.70
13 East Kootenay	3.82	4.31	*	*	3.82	4.31
14 Fraser-Cheam	6.98	5.29	*	*	6.98	5.29
15 Fraser-Fort George	0.80	0.65	*	*	0.40	0.25
17 Kitimat-Stikine	0.00	-0.36	*	*	0.00	-0.36
18 Kootenay Boundary	8.78	8.51	*	*	7.89	7.62
19 Mount Waddington	-12.29	-12.12	*	*	-12.29	-12.12
20 Nanaimo	2.16	0.59	*	*	2.16	0.59
21 North Okanagan	1.67	1.31	*	*	1.67	1.31
22 Okanagan-Similkameen	3.98	3.33	*	*	3.98	3.33
23 Peace River	0.00	0.36	*	*	0.00	0.36
24 Powell River	3.51	3.01	*	*	3.51	3.01
25 Skeena-Queen Charlotte	0.00	-0.14	*	*	0.00	-0.14
26 Squamish-Lillooet	-2.02	-3.35	*	*	-2.02	-3.35
27 Stikine	*	*	*	*	*	*
28 Sunshine Coast	-3.92	-4.82	*	*	-3.92	-4.82
29 Thompson-Nicola	-0.29	-0.67	*	*	-0.29	-0.67
30 Fort Nelson/Liard	*	*	*	*	*	*
Metropolitan - Subtotal	**1.52**	**0.02**	**4.21**	**2.67**	**1.85**	**0.35**
3 Capital	2.28	0.93	8.87	7.43	2.52	1.16
16 Greater Vancouver	1.37	-0.16	4.00	2.43	1.73	0.20
TOTAL	**1.62**	**0.36**	**3.94**	**2.66**	**1.83**	**0.57**

[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.

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Table 4

Non-Postgraduate Physicians[1] in British Columbia

by Regional Hospital District by Specialty Group[1]

September 1989 and September 1990

Regional Hospital District	General Practice		Clinical Specialties		Laboratory Medicine Specialties		Surgical Specialties		Total	
	1989	1990	1989	1990	1989	1990	1989	1990	1989	1990
Non-Metropolitan - Subtotal	**1,320**	**1,355**	**328**	**349**	**35**	**36**	**272**	**288**	**1,955**	**2,028**
1 Alberni-Clayoquot	31	31	6	6	1	1	2	3	40	41
2 Bulkley-Nechako	38	36	5	4	0	0	1	1	44	41
4 Cariboo	53	53	7	7	0	1	8	8	68	69
5 Central Coast	4	7	0	0	0	0	0	0	4	7
6 Central Fraser Valley	73	72	26	29	3	4	14	18	116	123
7 Central Kootenay	56	59	6	4	2	1	4	3	68	67
8 Central Okanagan	92	101	45	48	3	4	33	36	173	189
9 Columbia-Shuswap	36	35	7	7	0	0	3	3	46	45
10 Comox-Strathcona	77	76	20	21	1	1	16	17	114	115
11 Cowichan Valley	57	58	15	14	1	1	11	11	84	84
12 Dewdney-Alouette	71	72	10	14	0	0	10	9	91	95
13 East Kootenay	54	57	14	16	0	0	9	10	77	83
14 Fraser-Cheam	55	61	13	16	3	3	12	15	83	95
15 Fraser-Fort George	80	79	20	22	5	4	20	22	125	127
17 Kitimat-Stikine	38	39	3	2	1	1	6	6	48	48
18 Kootenay Boundary	46	51	7	12	1	1	6	7	60	71
19 Mount Waddington	13	10	0	0	0	0	0	0	13	10
20 Nanaimo	92	96	35	36	3	3	30	32	160	167
21 North Okanagan	48	52	22	22	2	3	17	15	89	92
22 Okanagan-Similkameen	69	74	21	25	2	2	19	19	111	120
23 Peace River	40	38	4	6	1	0	7	8	52	52
24 Powell River	20	20	5	5	0	0	3	5	28	30
25 Skeena-Queen Charlotte	29	30	1	0	0	0	3	3	33	33
26 Squamish-Lillooet	24	23	1	1	0	0	0	0	25	24
27 Stikine	1	1	0	0	0	0	0	0	1	1
28 Sunshine Coast	24	23	1	0	0	0	1	1	26	24
29 Thompson-Nicola	96	98	34	32	6	6	36	35	172	171
30 Fort Nelson/Liard	3	3	0	0	0	0	1	1	4	4
Metropolitan - Subtotal	**2,239**	**2,377**	**1,446**	**1,441**	**133**	**138**	**686**	**686**	**4,504**	**4,642**
3 Capital	398	445	217	210	18	16	125	122	758	793
16 Greater Vancouver	1,841	1,932	1,229	1,231	115	122	561	564	3,746	3,849
TOTAL	**3,559**	**3,732**	**1,774**	**1,790**	**168**	**174**	**958**	**974**	**6,459**	**6,670**

[1]Definitions are as in the attached text.

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Table 5

Non-Postgraduate Physicians[1] in British Columbia

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

September 1989 and September 1990

Regional Hospital District	General Practice		Clinical Specialties		Laboratory Medicine Specialties		Surgical Specialties		Total	
	1989[2]	1990	1989[2]	1990	1989[2]	1990	1989[2]	1990	1989[2]	1990
Non-Metropolitan - Subtotal	**9.93**	**10.01**	**2.47**	**2.58**	**0.26**	**0.27**	**2.05**	**2.13**	**14.71**	**14.97**
1 Alberni-Clayoquot	10.35	10.23	2.00	1.98	0.33	0.33	0.67	0.99	13.36	13.53
2 Bulkley-Nechako	10.26	9.62	1.35	1.07	0.00	0.00	0.27	0.27	11.88	10.96
4 Cariboo	9.09	9.03	1.20	1.19	0.00	0.17	1.37	1.36	11.66	11.76
5 Central Coast	12.54	21.98	0.00	0.00	0.00	0.00	0.00	0.00	12.54	21.98
6 Central Fraser Valley	9.18	8.64	3.27	3.48	0.38	0.48	1.76	2.16	14.59	14.76
7 Central Kootenay	11.54	11.98	1.24	0.81	0.41	0.20	0.82	0.61	14.02	13.61
8 Central Okanagan	9.41	9.96	4.60	4.73	0.31	0.39	3.38	3.55	17.70	18.64
9 Columbia-Shuswap	9.08	8.79	1.77	1.76	0.00	0.00	0.76	0.75	11.60	11.31
10 Comox-Strathcona	10.08	9.66	2.62	2.67	0.13	0.13	2.09	2.16	14.92	14.61
11 Cowichan Valley	10.33	10.34	2.72	2.50	0.18	0.18	1.99	1.96	15.22	14.98
12 Dewdney-Alouette	8.62	8.26	1.21	1.61	0.00	0.00	1.21	1.03	11.05	10.90
13 East Kootenay	11.10	11.83	2.88	3.32	0.00	0.00	1.85	2.08	15.83	17.22
14 Fraser-Cheam	8.74	9.39	2.07	2.46	0.48	0.46	1.91	2.31	13.19	14.62
15 Fraser-Fort George	9.28	9.13	2.32	2.54	0.58	0.46	2.32	2.54	14.49	14.68
17 Kitimat-Stikine	9.69	9.88	0.77	0.51	0.26	0.25	1.53	1.52	12.25	12.16
18 Kootenay Boundary	15.42	17.01	2.35	4.00	0.34	0.33	2.01	2.34	20.12	23.69
19 Mount Waddington	9.16	7.07	0.00	0.00	0.00	0.00	0.00	0.00	9.16	7.07
20 Nanaimo	10.42	10.54	3.96	3.95	0.34	0.33	3.40	3.51	18.12	18.33
21 North Okanagan	8.54	9.19	3.92	3.89	0.36	0.53	3.03	2.65	15.84	16.26
22 Okanagan-Similkameen	11.14	11.80	3.39	3.99	0.32	0.32	3.07	3.03	17.93	19.14
23 Peace River	8.11	7.76	0.81	1.22	0.20	0.00	1.42	1.63	10.54	10.61
24 Powell River	11.00	10.89	2.75	2.72	0.00	0.00	1.65	2.72	15.40	16.34
25 Skeena-Queen Charlotte	12.66	13.06	0.44	0.00	0.00	0.00	1.31	1.31	14.41	14.37
26 Squamish-Lillooet	11.20	10.44	0.47	0.45	0.00	0.00	0.00	0.00	11.67	10.90
27 Stikine	6.32	6.39	0.00	0.00	0.00	0.00	0.00	0.00	6.32	6.39
28 Sunshine Coast	13.43	12.63	0.56	0.00	0.00	0.00	0.56	0.55	14.55	13.18
29 Thompson-Nicola	9.81	9.93	3.47	3.24	0.61	0.61	3.68	3.55	17.57	17.33
30 Fort Nelson/Liard	6.40	6.54	0.00	0.00	0.00	0.00	2.13	2.18	8.53	8.71
Metropolitan - Subtotal	**12.99**	**13.38**	**8.39**	**8.11**	**0.77**	**0.78**	**3.98**	**3.86**	**26.12**	**26.14**
3 Capital	14.06	15.31	7.67	7.22	0.64	0.55	4.42	4.20	26.78	27.28
16 Greater Vancouver	12.78	13.01	8.53	8.29	0.80	0.82	3.89	3.80	25.99	25.91
TOTAL	**11.66**	**11.92**	**5.81**	**5.72**	**0.55**	**0.56**	**3.14**	**3.11**	**21.15**	**21.31**

[1]Definitions are as in the attached text.
[2]These figures differ from the corresponding figures for 1989 appearing in ROLLCALL 89. See Foreword.

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Table 6

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

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

September 1989 to September 1990

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	**1.32**	**0.37**	**3.15**	**2.19**	**1.42**	**0.47**	**2.90**	**1.94**	**1.85**	**0.90**
1 Alberni-Clayoquot	0.00	-0.58	*	*	*	*	*	*	1.24	0.65
2 Bulkley-Nechako	-2.67	-3.16	*	*	*	*	*	*	-3.47	-3.96
4 Cariboo	0.00	-0.33	*	*	*	*	*	*	0.73	0.40
5 Central Coast	*	*	*	*	*	*	*	*	*	*
6 Central Fraser Valley	-0.69	-2.99	5.61	3.16	*	*	13.39	10.76	2.97	0.59
7 Central Kootenay	2.64	1.88	*	*	*	*	*	*	-0.74	-1.48
8 Central Okanagan	4.78	2.89	3.28	1.42	*	*	4.45	2.57	4.52	2.64
9 Columbia-Shuswap	-1.40	-1.59	*	*	*	*	*	*	-1.09	-1.28
10 Comox-Strathcona	-0.65	-2.11	2.47	0.97	*	*	3.08	1.57	0.44	-1.03
11 Cowichan Valley	0.87	0.07	-3.39	-4.16	*	*	0.00	-0.80	0.00	-0.80
12 Dewdney-Alouette	0.70	-2.13	18.32	14.99	*	*	-5.13	-7.80	2.17	-0.70
13 East Kootenay	2.74	3.22	6.90	7.41	*	*	*	*	3.82	4.31
14 Fraser-Cheam	5.31	3.64	10.94	9.18	*	*	11.80	10.03	6.98	5.29
15 Fraser-Fort George	-0.63	-0.77	4.88	4.73	*	*	4.88	4.73	0.80	0.65
17 Kitimat-Stikine	1.31	0.94	*	*	*	*	*	*	0.00	-0.36
18 Kootenay Boundary	5.29	5.03	*	*	*	*	*	*	8.78	8.51
19 Mount Waddington	-12.29	-12.12	*	*	*	*	*	*	-12.29	-12.12
20 Nanaimo	2.15	0.57	1.42	-0.15	*	*	3.28	1.68	2.16	0.59
21 North Okanagan	4.08	3.72	0.00	-0.35	*	*	-6.07	-6.40	1.67	1.31
22 Okanagan-Similkameen	3.56	2.91	9.11	8.43	*	*	0.00	-0.62	3.98	3.33
23 Peace River	-2.53	-2.19	*	*	*	*	*	*	0.00	0.36
24 Powell River	0.00	-0.48	*	*	*	*	*	*	3.51	3.01
25 Skeena-Queen Charlotte	1.71	1.57	*	*	*	*	*	*	0.00	-0.14
26 Squamish-Lillooet	-2.11	-3.43	*	*	*	*	*	*	-2.02	-3.35
27 Stikine	*	*	*	*	*	*	*	*	*	*
28 Sunshine Coast	-2.11	-3.02	*	*	*	*	*	*	-3.92	-4.82
29 Thompson-Nicola	1.04	0.65	-2.99	-3.35	*	*	-1.40	-1.77	-0.29	-0.67
30 Fort Nelson/Liard	*	*	*	*	*	*	*	*	*	*
Metropolitan - Subtotal	**3.04**	**1.51**	**-0.17**	**-1.65**	**1.86**	**0.36**	**0.00**	**-1.48**	**1.52**	**0.02**
3 Capital	5.74	4.34	-1.63	-2.93	-5.72	-6.97	-1.21	-2.51	2.28	0.93
16 Greater Vancouver	2.44	0.90	0.08	-1.43	3.00	1.45	0.27	-1.24	1.37	-0.16
TOTAL	**2.40**	**1.13**	**0.45**	**-0.80**	**1.77**	**0.51**	**0.83**	**-0.42**	**1.62**	**0.36**

[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.

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The University of British Columbia

Table 7

Non-Postgraduate Physicians[1] in British Columbia

by Regional Hospital District by MSC Specialty

September 1990

Regional Hospital District	General Practice	Family Practice	General Practice Subtotal	Anaesthesia	Community Medicine[2]	Dermatology[3]	Emergency Medicine[4]
Non-Metropolitan - Subtotal	**1,059**	**294**	**1,353**	**61**	**11**	**10**	**2**
1 Alberni-Clayoquot	24	7	31	1	0	0	0
2 Bulkley-Nechako	32	4	36	1	0	0	0
4 Cariboo	47	6	53	1	1	0	0
5 Central Coast	5	2	7	0	0	0	0
6 Central Fraser Valley	50	22	72	4	0	2	0
7 Central Kootenay	43	16	59	1	0	0	0
8 Central Okanagan	71	29	100	8	1	0	1
9 Columbia-Shuswap	30	5	35	0	0	0	0
10 Comox-Strathcona	70	6	76	7	1	1	0
11 Cowichan Valley	46	12	58	3	1	1	0
12 Dewdney-Alouette	53	19	72	3	1	1	0
13 East Kootenay	50	7	57	2	1	0	0
14 Fraser-Cheam	51	10	61	4	0	0	0
15 Fraser-Fort George	59	20	79	3	0	1	0
17 Kitimat-Stikine	30	9	39	0	0	0	0
18 Kootenay Boundary	42	9	51	0	0	0	0
19 Mount Waddington	9	1	10	0	0	0	0
20 Nanaimo	72	23	95	7	1	1	1
21 North Okanagan	32	20	52	5	2	1	0
22 Okanagan-Similkameen	60	14	74	3	1	1	0
23 Peace River	34	4	38	0	0	0	0
24 Powell River	17	3	20	0	1	0	0
25 Skeena-Queen Charlotte	19	11	30	0	0	0	0
26 Squamish-Lillooet	18	5	23	0	0	0	0
27 Stikine	1	0	1	0	0	0	0
28 Sunshine Coast	13	10	23	0	0	0	0
29 Thompson-Nicola	79	19	98	8	0	1	0
30 Fort Nelson/Liard	2	1	3	0	0	0	0
Metropolitan - Subtotal	**1,853**	**477**	**2,330**	**228**	**15**	**47**	**52**
3 Capital	356	76	432	40	2	6	14
16 Greater Vancouver	1,497	401	1,898	188	13	41	38
TOTAL	**2,912**	**771**	**3,683**	**289**	**26**	**57**	**54**

[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.

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... *continued*

Table 7
(Continued)

Non-Postgraduate Physicians[1] in British Columbia

by Regional Hospital District by MSC Specialty

September 1990

Regional Hospital District	General Surgery[2]	Internal Medicine[3]	Medical Microbiology	Neurology	Neuro-psychiatry	Neurosurgery	Nuclear Medicine
Non-Metropolitan - Subtotal	**97**	**86**	**2**	**11**	**1**	**4**	**0**
1 Alberni-Clayoquot	3	1	0	0	0	0	0
2 Bulkley-Nechako	1	0	0	0	0	0	0
4 Cariboo	6	2	0	0	0	0	0
5 Central Coast	0	0	0	0	0	0	0
6 Central Fraser Valley	4	5	0	1	0	0	0
7 Central Kootenay	2	2	0	0	0	0	0
8 Central Okanagan	9	15	0	3	0	1	0
9 Columbia-Shuswap	2	1	0	0	0	0	0
10 Comox-Strathcona	5	4	0	0	0	0	0
11 Cowichan Valley	2	3	0	0	0	0	0
12 Dewdney-Alouette	3	2	0	0	0	0	0
13 East Kootenay	6	2	0	0	0	0	0
14 Fraser-Cheam	3	4	0	1	0	0	0
15 Fraser-Fort George	7	4	0	2	0	0	0
17 Kitimat-Stikine	3	1	0	0	0	0	0
18 Kootenay Boundary	3	6	0	1	0	0	0
19 Mount Waddington	0	0	0	0	0	0	0
20 Nanaimo	5	9	0	2	0	0	0
21 North Okanagan	4	5	1	0	0	0	0
22 Okanagan-Similkameen	5	8	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	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	1	0	0	0	0	0	0
29 Thompson-Nicola	12	9	1	0	1	3	0
30 Fort Nelson/Liard	1	0	0	0	0	0	0
Metropolitan - Subtotal	**136**	**410**	**16**	**51**	**1**	**26**	**7**
3 Capital	25	59	1	6	0	5	1
16 Greater Vancouver	111	351	15	45	1	21	6
TOTAL	**233**	**496**	**18**	**62**	**2**	**30**	**7**

[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.

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... *continued*

Table 7
(Continued)

Non-Postgraduate Physicians[1] in British Columbia

by Regional Hospital District by MSC Specialty

September 1990

Regional Hospital District	Obstetrics & Gynaecology	Ophthalmology	Orthopaedic Surgery	Otolaryngology	Paediatrics[2]	Pathology[3]	Physical Medicine
Non-Metropolitan - Subtotal	45	42	46	18	34	34	6
1 Alberni-Clayoquot	0	0	0	0	1	1	0
2 Bulkley-Nechako	0	0	0	0	1	0	0
4 Cariboo	1	0	0	0	1	1	0
5 Central Coast	0	0	0	0	0	0	0
6 Central Fraser Valley	2	3	5	1	3	4	0
7 Central Kootenay	0	0	0	0	0	1	0
8 Central Okanagan	6	6	6	2	4	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	3	3	1	1	1	0
12 Dewdney-Alouette	1	1	3	0	2	0	0
13 East Kootenay	1	1	1	1	1	0	0
14 Fraser-Cheam	2	3	3	1	1	3	0
15 Fraser-Fort George	3	3	4	1	2	4	0
17 Kitimat-Stikine	1	1	0	0	0	1	0
18 Kootenay Boundary	1	1	1	0	0	1	0
19 Mount Waddington	0	0	0	0	0	0	0
20 Nanaimo	7	9	5	2	4	3	1
21 North Okanagan	2	4	3	1	3	2	0
22 Okanagan-Similkameen	3	3	3	1	4	2	0
23 Peace River	2	0	1	1	0	0	0
24 Powell River	1	1	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	1
27 Stikine	0	0	0	0	0	0	0
28 Sunshine Coast	0	0	0	0	0	0	0
29 Thompson-Nicola	6	2	4	3	3	5	1
30 Fort Nelson/Liard	0	0	0	0	0	0	0
Metropolitan - Subtotal	**115**	**128**	**96**	**60**	**154**	**122**	**24**
3 Capital	19	25	17	9	14	15	4
16 Greater Vancouver	96	103	79	51	140	107	20
TOTAL	**160**	**170**	**142**	**78**	**188**	**156**	**30**

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

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... *continued*

Table 7
(Continued)

Non-Postgraduate Physicians[1] in British Columbia

by Regional Hospital District by MSC Specialty

September 1990

Regional Hospital District	Plastic Surgery	Psychiatry	Radiology[2]	Thoracic Surgery[3]	Urology	Vascular Surgery	Specialty Subtotal	Total
Non-Metropolitan - Subtotal	**11**	**54**	**75**	**2**	**19**	**4**	**675**	**2,028**
1 Alberni-Clayoquot	0	2	1	0	0	0	10	41
2 Bulkley-Nechako	0	0	2	0	0	0	5	41
4 Cariboo	0	0	2	0	1	0	16	69
5 Central Coast	0	0	0	0	0	0	0	7
6 Central Fraser Valley	1	7	7	0	2	0	51	123
7 Central Kootenay	0	0	1	1	0	0	8	67
8 Central Okanagan	2	8	6	0	3	1	89	189
9 Columbia-Shuswap	0	2	3	0	0	0	10	45
10 Comox-Strathcona	0	2	5	0	1	0	39	115
11 Cowichan Valley	0	3	2	0	0	0	26	84
12 Dewdney-Alouette	0	3	2	0	1	0	23	95
13 East Kootenay	0	3	7	0	0	0	26	83
14 Fraser-Cheam	1	3	3	0	1	1	34	95
15 Fraser-Fort George	2	5	5	0	2	0	48	127
17 Kitimat-Stikine	0	0	1	0	1	0	9	48
18 Kootenay Boundary	0	2	3	0	1	0	20	71
19 Mount Waddington	0	0	0	0	0	0	0	10
20 Nanaimo	2	4	7	0	2	0	72	167
21 North Okanagan	0	2	4	0	1	0	40	92
22 Okanagan-Similkameen	1	4	3	1	1	1	46	120
23 Peace River	0	1	3	0	0	0	14	52
24 Powell River	0	1	1	0	0	0	10	30
25 Skeena-Queen Charlotte	0	0	0	0	0	0	3	33
26 Squamish-Lillooet	0	0	0	0	0	0	1	24
27 Stikine	0	0	0	0	0	0	0	1
28 Sunshine Coast	0	0	0	0	0	0	1	24
29 Thompson-Nicola	2	2	7	0	2	1	73	171
30 Fort Nelson/Liard	0	0	0	0	0	0	1	4
Metropolitan - Subtotal	**36**	**322**	**181**	**24**	**43**	**18**	**2,312**	**4,642**
3 Capital	7	49	28	4	9	2	361	793
16 Greater Vancouver	29	273	153	20	34	16	1,951	3,849
TOTAL	**47**	**376**	**256**	**26**	**62**	**22**	**2,987**	**6,670**

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

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Table 8

Non-Postgraduate Physicians[1] in British Columbia

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

September 1990

Regional Hospital District	General Practice	Family Practice	Practice Subtotal	Anaesthesia	Community Medicine[2]	Dermatology[3]	Emergency Medicine[4]
Non-Metropolitan - Subtotal	**7.82**	**2.17**	**9.99**	**0.45**	**0.08**	**0.07**	**0.01**
1 Alberni-Clayoquot	7.92	2.31	10.23	0.33	0.00	0.00	0.00
2 Bulkley-Nechako	8.55	1.07	9.62	0.27	0.00	0.00	0.00
4 Cariboo	8.01	1.02	9.03	0.17	0.17	0.00	0.00
5 Central Coast	15.70	6.28	21.98	0.00	0.00	0.00	0.00
6 Central Fraser Valley	6.00	2.64	8.64	0.48	0.00	0.24	0.00
7 Central Kootenay	8.73	3.25	11.98	0.20	0.00	0.00	0.00
8 Central Okanagan	7.00	2.86	9.86	0.79	0.10	0.00	0.10
9 Columbia-Shuswap	7.54	1.26	8.79	0.00	0.00	0.00	0.00
10 Comox-Strathcona	8.89	0.76	9.66	0.89	0.13	0.13	0.00
11 Cowichan Valley	8.20	2.14	10.34	0.53	0.18	0.18	0.00
12 Dewdney-Alouette	6.08	2.18	8.26	0.34	0.11	0.11	0.00
13 East Kootenay	10.38	1.45	11.83	0.42	0.21	0.00	0.00
14 Fraser-Cheam	7.85	1.54	9.39	0.62	0.00	0.00	0.00
15 Fraser-Fort George	6.82	2.31	9.13	0.35	0.00	0.12	0.00
17 Kitimat-Stikine	7.60	2.28	9.88	0.00	0.00	0.00	0.00
18 Kootenay Boundary	14.01	3.00	17.01	0.00	0.00	0.00	0.00
19 Mount Waddington	6.37	0.71	7.07	0.00	0.00	0.00	0.00
20 Nanaimo	7.90	2.52	10.43	0.77	0.11	0.11	0.11
21 North Okanagan	5.65	3.53	9.19	0.88	0.35	0.18	0.00
22 Okanagan-Similkameen	9.57	2.23	11.80	0.48	0.16	0.16	0.00
23 Peace River	6.94	0.82	7.76	0.00	0.00	0.00	0.00
24 Powell River	9.26	1.63	10.89	0.00	0.54	0.00	0.00
25 Skeena-Queen Charlotte	8.27	4.79	13.06	0.00	0.00	0.00	0.00
26 Squamish-Lillooet	8.17	2.27	10.44	0.00	0.00	0.00	0.00
27 Stikine	6.39	0.00	6.39	0.00	0.00	0.00	0.00
28 Sunshine Coast	7.14	5.49	12.63	0.00	0.00	0.00	0.00
29 Thompson-Nicola	8.01	1.93	9.93	0.81	0.00	0.10	0.00
30 Fort Nelson/Liard	4.36	2.18	6.54	0.00	0.00	0.00	0.00
Metropolitan - Subtotal	**10.43**	**2.69**	**13.12**	**1.28**	**0.08**	**0.26**	**0.29**
3 Capital	12.25	2.61	14.86	1.38	0.07	0.21	0.48
16 Greater Vancouver	10.08	2.70	12.78	1.27	0.09	0.28	0.26
TOTAL	**9.30**	**2.46**	**11.77**	**0.92**	**0.08**	**0.18**	**0.17**

[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.

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... *continued*

Table 8
(Continued)

Non-Postgraduate Physicians[1] in British Columbia

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

September 1990

Regional Hospital District	General Surgery[2]	Internal Medicine[3]	Medical Microbiology	Neurology	Neuro-psychiatry	Neurosurgery	Nuclear Medicine
Non-Metropolitan - Subtotal	**0.72**	**0.64**	**0.01**	**0.08**	**0.01**	**0.03**	**0.00**
1 Alberni-Clayoquot	0.99	0.33	0.00	0.00	0.00	0.00	0.00
2 Bulkley-Nechako	0.27	0.00	0.00	0.00	0.00	0.00	0.00
4 Cariboo	1.02	0.34	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	0.48	0.60	0.00	0.12	0.00	0.00	0.00
7 Central Kootenay	0.41	0.41	0.00	0.00	0.00	0.00	0.00
8 Central Okanagan	0.89	1.48	0.00	0.30	0.00	0.10	0.00
9 Columbia-Shuswap	0.50	0.25	0.00	0.00	0.00	0.00	0.00
10 Comox-Strathcona	0.64	0.51	0.00	0.00	0.00	0.00	0.00
11 Cowichan Valley	0.36	0.53	0.00	0.00	0.00	0.00	0.00
12 Dewdney-Alouette	0.34	0.23	0.00	0.00	0.00	0.00	0.00
13 East Kootenay	1.25	0.42	0.00	0.00	0.00	0.00	0.00
14 Fraser-Cheam	0.46	0.62	0.00	0.15	0.00	0.00	0.00
15 Fraser-Fort George	0.81	0.46	0.00	0.23	0.00	0.00	0.00
17 Kitimat-Stikine	0.76	0.25	0.00	0.00	0.00	0.00	0.00
18 Kootenay Boundary	1.00	2.00	0.00	0.33	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	0.55	0.99	0.00	0.22	0.00	0.00	0.00
21 North Okanagan	0.71	0.88	0.18	0.00	0.00	0.00	0.00
22 Okanagan-Similkameen	0.80	1.28	0.00	0.16	0.00	0.00	0.00
23 Peace River	0.82	0.41	0.00	0.00	0.00	0.00	0.00
24 Powell River	1.63	0.54	0.00	0.00	0.00	0.00	0.00
25 Skeena-Queen Charlotte	1.31	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	0.55	0.00	0.00	0.00	0.00	0.00	0.00
29 Thompson-Nicola	1.22	0.91	0.10	0.00	0.10	0.30	0.00
30 Fort Nelson/Liard	2.18	0.00	0.00	0.00	0.00	0.00	0.00
Metropolitan - Subtotal	**0.77**	**2.31**	**0.09**	**0.29**	**0.01**	**0.15**	**0.04**
3 Capital	0.86	2.03	0.03	0.21	0.00	0.17	0.03
16 Greater Vancouver	0.75	2.36	0.10	0.30	0.01	0.14	0.04
TOTAL	**0.74**	**1.58**	**0.06**	**0.20**	**0.01**	**0.10**	**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.

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... *continued*

Table 8
(Continued)

Non-Postgraduate Physicians[1] in British Columbia

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

September 1990

Regional Hospital District	Obstetrics & Gynaecology	Ophthalmology	Orthopaedic Surgery	Otolaryngology	Paediatrics[2]	Pathology[3]	Physical Medicine
Non-Metropolitan - Subtotal	0.33	0.31	0.34	0.13	0.25	0.25	0.04
1 Alberni-Clayoquot	0.00	0.00	0.00	0.00	0.33	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	0.17	0.00
5 Central Coast	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6 Central Fraser Valley	0.24	0.36	0.60	0.12	0.36	0.48	0.00
7 Central Kootenay	0.00	0.00	0.00	0.00	0.00	0.20	0.00
8 Central Okanagan	0.59	0.59	0.59	0.20	0.39	0.39	0.30
9 Columbia-Shuswap	0.00	0.00	0.00	0.25	0.25	0.00	0.00
10 Comox-Strathcona	0.51	0.13	0.51	0.25	0.13	0.13	0.00
11 Cowichan Valley	0.36	0.53	0.53	0.18	0.18	0.18	0.00
12 Dewdney-Alouette	0.11	0.11	0.34	0.00	0.23	0.00	0.00
13 East Kootenay	0.21	0.21	0.21	0.21	0.21	0.00	0.00
14 Fraser-Cheam	0.31	0.46	0.46	0.15	0.15	0.46	0.00
15 Fraser-Fort George	0.35	0.35	0.46	0.12	0.23	0.46	0.00
17 Kitimat-Stikine	0.25	0.25	0.00	0.00	0.00	0.25	0.00
18 Kootenay Boundary	0.33	0.33	0.33	0.00	0.00	0.33	0.00
19 Mount Waddington	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20 Nanaimo	0.77	0.99	0.55	0.22	0.44	0.33	0.11
21 North Okanagan	0.35	0.71	0.53	0.18	0.53	0.35	0.00
22 Okanagan-Similkameen	0.48	0.48	0.48	0.16	0.64	0.32	0.00
23 Peace River	0.41	0.00	0.20	0.20	0.00	0.00	0.00
24 Powell River	0.54	0.54	0.00	0.00	0.54	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	0.45
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	0.20	0.41	0.30	0.30	0.51	0.10
30 Fort Nelson/Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Metropolitan - Subtotal	**0.65**	**0.72**	**0.54**	**0.34**	**0.87**	**0.69**	**0.14**
3 Capital	0.65	0.86	0.58	0.31	0.48	0.52	0.14
16 Greater Vancouver	0.65	0.69	0.53	0.34	0.94	0.72	0.13
TOTAL	**0.51**	**0.54**	**0.45**	**0.25**	**0.60**	**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.

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... *continued*

Table 8
(Continued)

Non-Postgraduate Physicians[1] in British Columbia

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

September 1990

Regional Hospital District	Plastic Surgery	Psychiatry	Radiology[2]	Thoracic Surgery[3]	Urology	Vascular Surgery	Specialty Subtotal	Total
Non-Metropolitan - Subtotal	**0.08**	**0.40**	**0.55**	**0.01**	**0.14**	**0.03**	**4.98**	**14.97**
1 Alberni-Clayoquot	0.00	0.66	0.33	0.00	0.00	0.00	3.30	13.53
2 Bulkley-Nechako	0.00	0.00	0.53	0.00	0.00	0.00	1.34	10.96
4 Cariboo	0.00	0.00	0.34	0.00	0.17	0.00	2.73	11.76
5 Central Coast	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.98
6 Central Fraser Valley	0.12	0.84	0.84	0.00	0.24	0.00	6.12	14.76
7 Central Kootenay	0.00	0.00	0.20	0.20	0.00	0.00	1.62	13.61
8 Central Okanagan	0.20	0.79	0.59	0.00	0.30	0.10	8.78	18.64
9 Columbia-Shuswap	0.00	0.50	0.75	0.00	0.00	0.00	2.51	11.31
10 Comox-Strathcona	0.00	0.25	0.64	0.00	0.13	0.00	4.96	14.61
11 Cowichan Valley	0.00	0.53	0.36	0.00	0.00	0.00	4.64	14.98
12 Dewdney-Alouette	0.00	0.34	0.23	0.00	0.11	0.00	2.64	10.90
13 East Kootenay	0.00	0.62	1.45	0.00	0.00	0.00	5.40	17.22
14 Fraser-Cheam	0.15	0.46	0.46	0.00	0.15	0.15	5.23	14.62
15 Fraser-Fort George	0.23	0.58	0.58	0.00	0.23	0.00	5.55	14.68
17 Kitimat-Stikine	0.00	0.00	0.25	0.00	0.25	0.00	2.28	12.16
18 Kootenay Boundary	0.00	0.67	1.00	0.00	0.33	0.00	6.67	23.69
19 Mount Waddington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.07
20 Nanaimo	0.22	0.44	0.77	0.00	0.22	0.00	7.90	18.33
21 North Okanagan	0.00	0.35	0.71	0.00	0.18	0.00	7.07	16.26
22 Okanagan-Similkameen	0.16	0.64	0.48	0.16	0.16	0.16	7.34	19.14
23 Peace River	0.00	0.20	0.61	0.00	0.00	0.00	2.86	10.61
24 Powell River	0.00	0.54	0.54	0.00	0.00	0.00	5.45	16.34
25 Skeena-Queen Charlotte	0.00	0.00	0.00	0.00	0.00	0.00	1.31	14.37
26 Squamish-Lillooet	0.00	0.00	0.00	0.00	0.00	0.00	0.45	10.90
27 Stikine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.39
28 Sunshine Coast	0.00	0.00	0.00	0.00	0.00	0.00	0.55	13.18
29 Thompson-Nicola	0.20	0.20	0.71	0.00	0.20	0.10	7.40	17.33
30 Fort Nelson/Liard	0.00	0.00	0.00	0.00	0.00	0.00	2.18	8.71
Metropolitan - Subtotal	**0.20**	**1.81**	**1.02**	**0.14**	**0.24**	**0.10**	**13.02**	**26.14**
3 Capital	0.24	1.69	0.96	0.14	0.31	0.07	12.42	27.28
16 Greater Vancouver	0.20	1.84	1.03	0.13	0.23	0.11	13.13	25.91
TOTAL	**0.15**	**1.20**	**0.82**	**0.08**	**0.20**	**0.07**	**9.54**	**21.31**

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

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Table 9

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

in British Columbia by Regional Hospital District

September 1989 to September 1990

Regional Hospital District	1989[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]	1990[8]
Non-Metropolitan - Subtotal	**1,955**	**10**	**48**	**11**	**36**	**105**	**27**	**36**	**102**	**7**	**2,028**
1 Alberni-Clayoquot	40	0	2	0	1	3	0	0	1	-1	41
2 Bulkley-Nechako	44	1	0	0	2	3	1	0	4	-3	41
4 Cariboo	68	1	2	0	0	3	2	3	5	-2	69
5 Central Coast	4	0	0	0	1	1	1	3	1	-1	7
6 Central Fraser Valley	116	0	1	0	0	1	1	3	5	7	123
7 Central Kootenay	68	0	2	0	1	3	0	3	6	-1	67
8 Central Okanagan	173	1	9	0	3	13	3	3	4	1	189
9 Columbia-Shuswap	46	0	1	0	1	2	0	0	0	-3	45
10 Comox-Strathcona	114	0	0	0	3	3	0	4	9	3	115
11 Cowichan Valley	84	2	0	1	0	3	2	1	5	-1	84
12 Dewdney-Alouette	91	1	1	1	1	4	0	2	1	-1	95
13 East Kootenay	77	0	1	0	1	2	3	4	5	2	83
14 Fraser-Cheam	83	1	5	0	1	7	1	2	2	4	95
15 Fraser-Fort George	125	1	0	3	5	9	2	1	3	-7	127
17 Kitimat-Stikine	48	0	2	0	7	9	0	0	7	-2	48
18 Kootenay Boundary	60	0	2	1	2	5	2	3	3	4	71
19 Mount Waddington	13	0	0	1	0	1	0	0	4	0	10
20 Nanaimo	160	0	3	1	0	4	2	0	4	5	167
21 North Okanagan	89	1	2	1	0	4	2	0	5	2	92
22 Okanagan-Similkameen	111	0	7	0	1	8	0	1	2	2	120
23 Peace River	52	0	1	0	2	3	2	0	5	0	52
24 Powell River	28	0	0	0	1	1	0	0	0	1	30
25 Skeena-Queen Charlotte	33	1	3	0	0	4	1	1	3	-3	33
26 Squamish-Lillooet	25	0	0	0	0	0	0	0	1	0	24
27 Stikine	1	0	0	0	0	0	0	0	0	0	1
28 Sunshine Coast	26	0	0	0	0	0	0	0	2	0	24
29 Thompson-Nicola	172	0	4	2	2	8	2	2	13	0	171
30 Fort Nelson/Liard	4	0	0	0	1	1	0	0	2	1	4
Metropolitan - Subtotal	**4,504**	**33**	**74**	**15**	**34**	**156**	**143**	**56**	**210**	**-7**	**4,642**
3 Capital	758	5	17	6	6	34	15	15	46	17	793
16 Greater Vancouver	3,746	28	57	9	28	122	128	41	164	-24	3,849
TOTAL	**6,459**	**43**	**122**	**26**	**70**	**261**	**170**	**92**	**312**	**0**	**6,670**

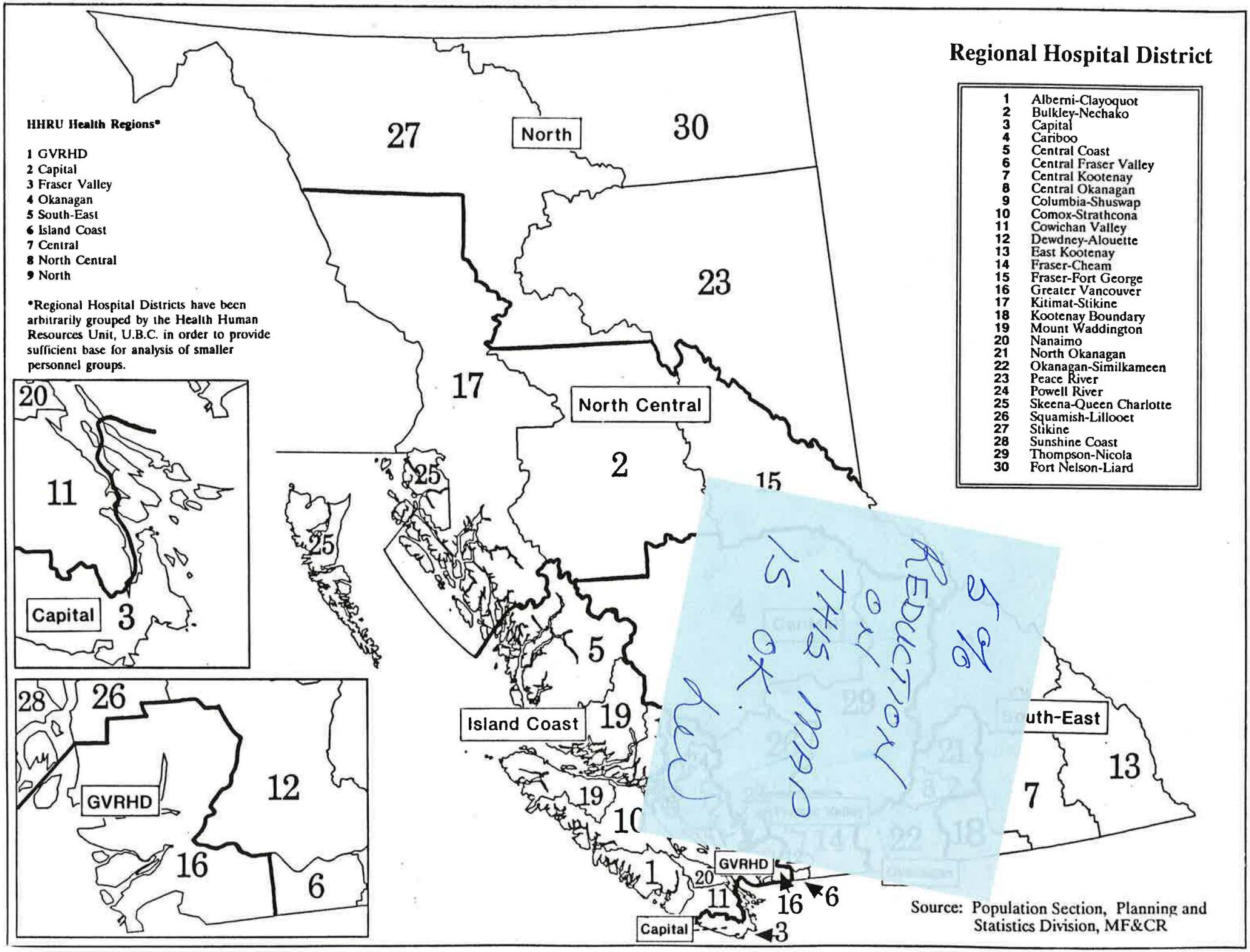
[1]Definitions are as in the attached text.
[2]Physicians who were Non-Postgraduate in B.C. in September 1990 and whose initial registration with the CPSBC fell after September 1989.
[3]In September 1989 these physicians were registered with the CPSBC as Postgraduate, or as Directory Active but out-of-province, or as not licensed to practice in B.C.; in September 1990 they were Non-Postgraduate in B.C.
[4]Number of Non-Postgraduate Physicians in B.C.; September 1989.
[5]Other Canada.
[6]Physicians who were Non-Postgraduate in B.C. in September 1989 but not in September 1990.
[7]Net effect of intra-provincial migration.
[8]Number of Non-Postgraduate Physicians in B.C.; September 1990.

Prepared by:
Health Human Resources Unit
The University of British Columbia

APPENDICES

APPENDIX A

REGIONAL HOSPITAL DISTRICTS OF BRITISH COLUMBIA


Regional Hospital District
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
HHRU Health Regions*
1 GVRHD
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 Human Resources Unit, U.B.C. in order to provide sufficient base for analysis of smaller personnel groups.
North
North Central
Island Coast
GVRHD
Capital
Source: Population Section, Planning and Statistics Division, MF&CR

APPENDIX B

POPULATION ESTIMATES FOR BRITISH COLUMBIA BY REGIONAL HOSPITAL DISTRICT, 1989 AND 1990

Population Estimates[1] for British Columbia

by Regional Hospital District

1989 and 1990

Regional Hospital District	1989	1990
Non-Metropolitan - Subtotal	**1,329,211**	**1,354,294**
1 Alberni-Clayoquot	29,947	30,298
2 Bulkley-Nechako	37,032	37,408
4 Cariboo	58,296	58,685
5 Central Coast	3,191	3,184
6 Central Fraser Valley	79,504	83,323
7 Central Kootenay	48,510	49,240
8 Central Okanagan	97,765	101,375
9 Columbia-Shuswap	39,651	39,804
10 Comox-Strathcona	76,416	78,704
11 Cowichan Valley	55,192	56,082
12 Dewdney-Alouette	82,330	87,167
13 East Kootenay	48,646	48,191
14 Fraser-Cheam	62,942	64,987
15 Fraser-Fort George	86,251	86,501
17 Kitimat-Stikine	39,198	39,485
18 Kootenay Boundary	29,825	29,975
19 Mount Waddington	14,196	14,139
20 Nanaimo	88,311	91,103
21 North Okanagan	56,191	56,589
22 Okanagan-Similkameen	61,921	62,702
23 Peace River	49,341	48,992
24 Powell River	18,185	18,361
25 Skeena-Queen Charlotte	22,900	22,964
26 Squamish-Lillooet	21,427	22,021
27 Stikine	1,583	1,566
28 Sunshine Coast	17,870	18,210
29 Thompson-Nicola	97,903	98,648
30 Fort Nelson/Liard	4,687	4,590
Metropolitan - Subtotal	**1,724,089**	**1,776,154**
3 Capital	283,036	290,671
16 Greater Vancouver	1,441,053	1,485,483
TOTAL	**3,053,300**	**3,130,448**

[1]Population estimates supplied by the Planning & Statistics Division, B.C. Ministry of Finance & Corporate Relations - projection 16.

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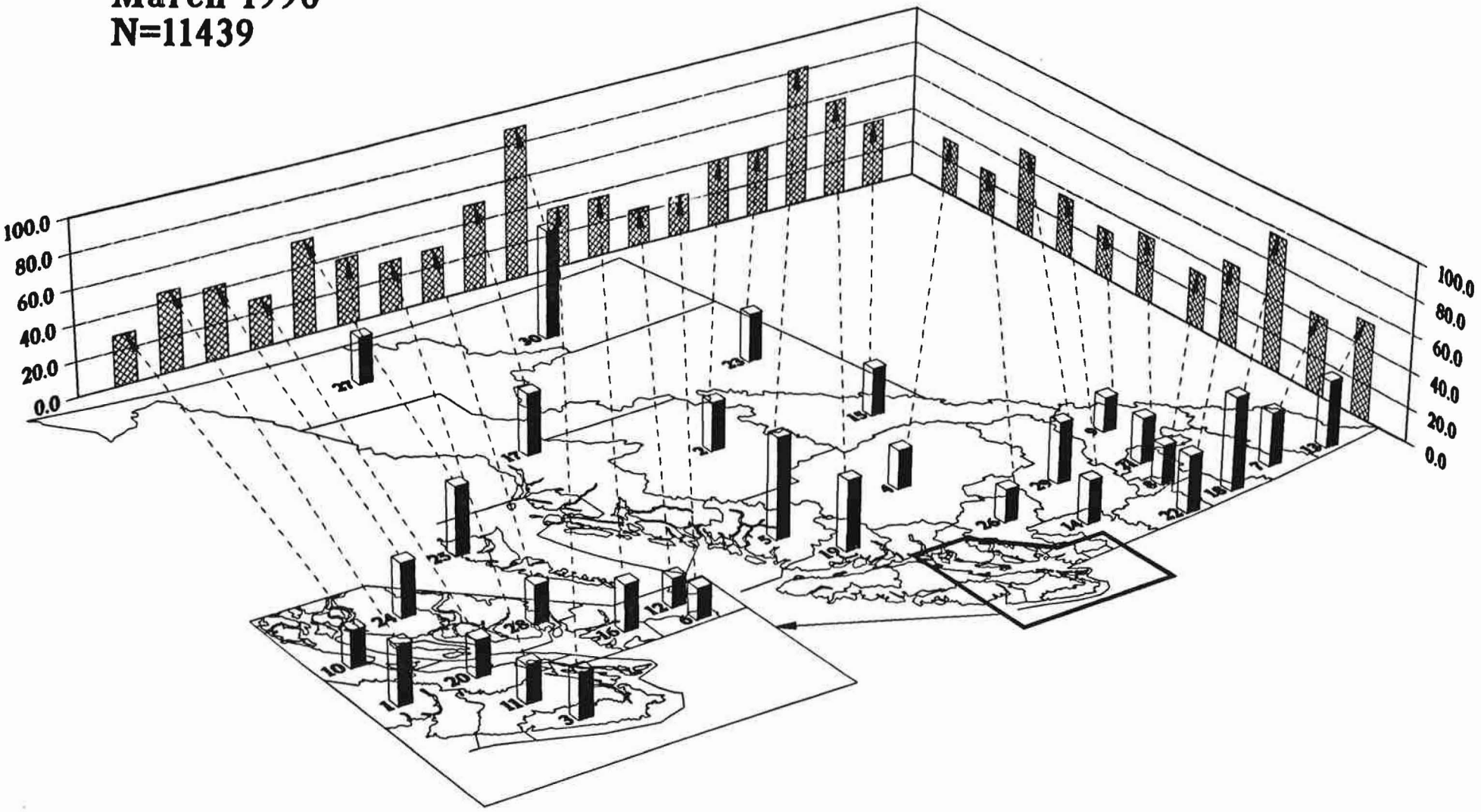
The University of British Columbia

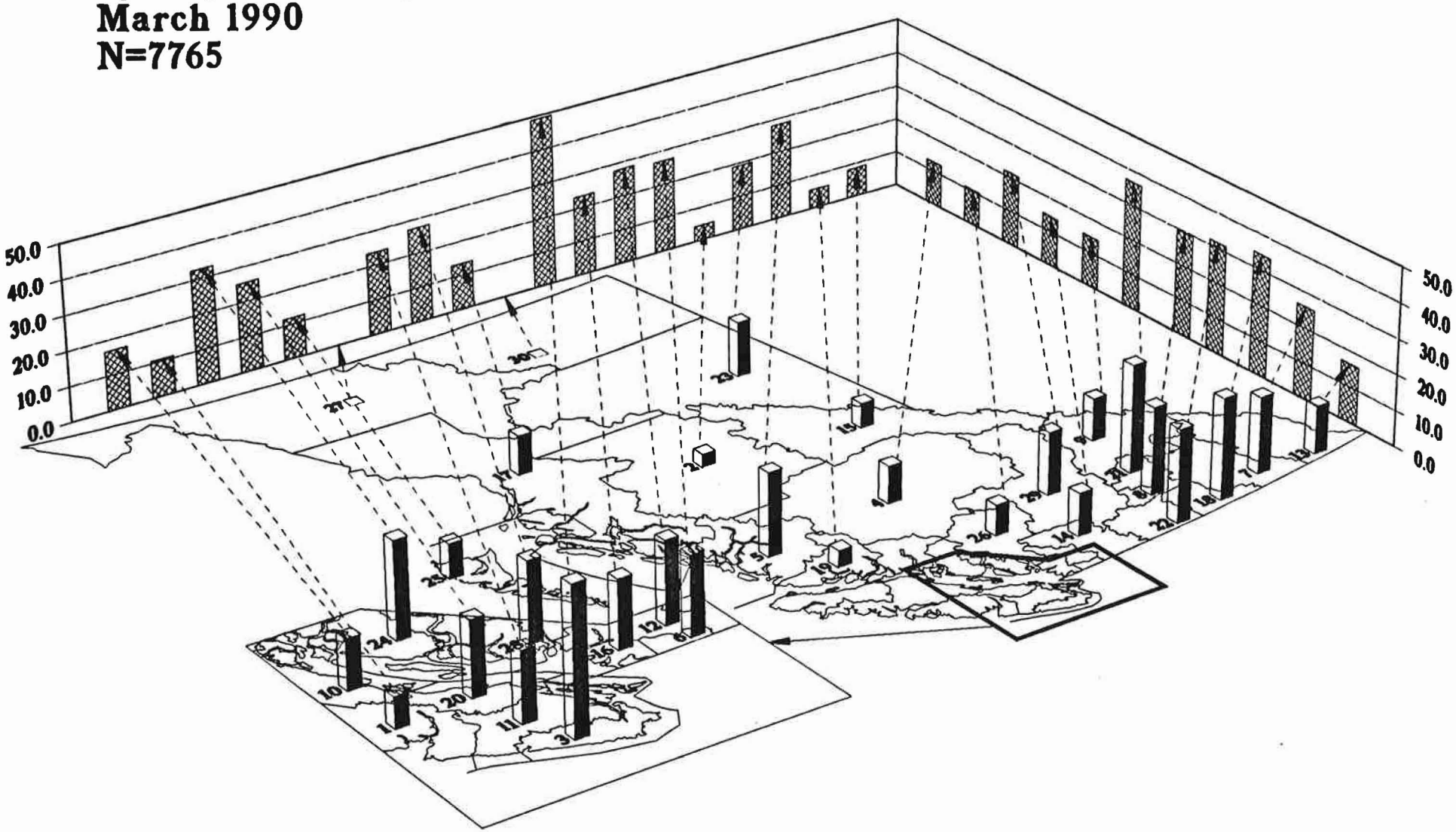
APPENDIX C

HOSPITAL BED CAPACITY IN BRITISH COLUMBIA BY REGIONAL HOSPITAL DISTRICT, 1989 AND 1990

Acute Care Beds per 10,000 Population by Regional Hospital District March 1990 N=11439



Extended Care Beds
per 10,000 Population
by Regional Hospital District
March 1990
N=7765



Bassinets
per 10,000 Population
by Regional Hospital District
March 1990
N=1217

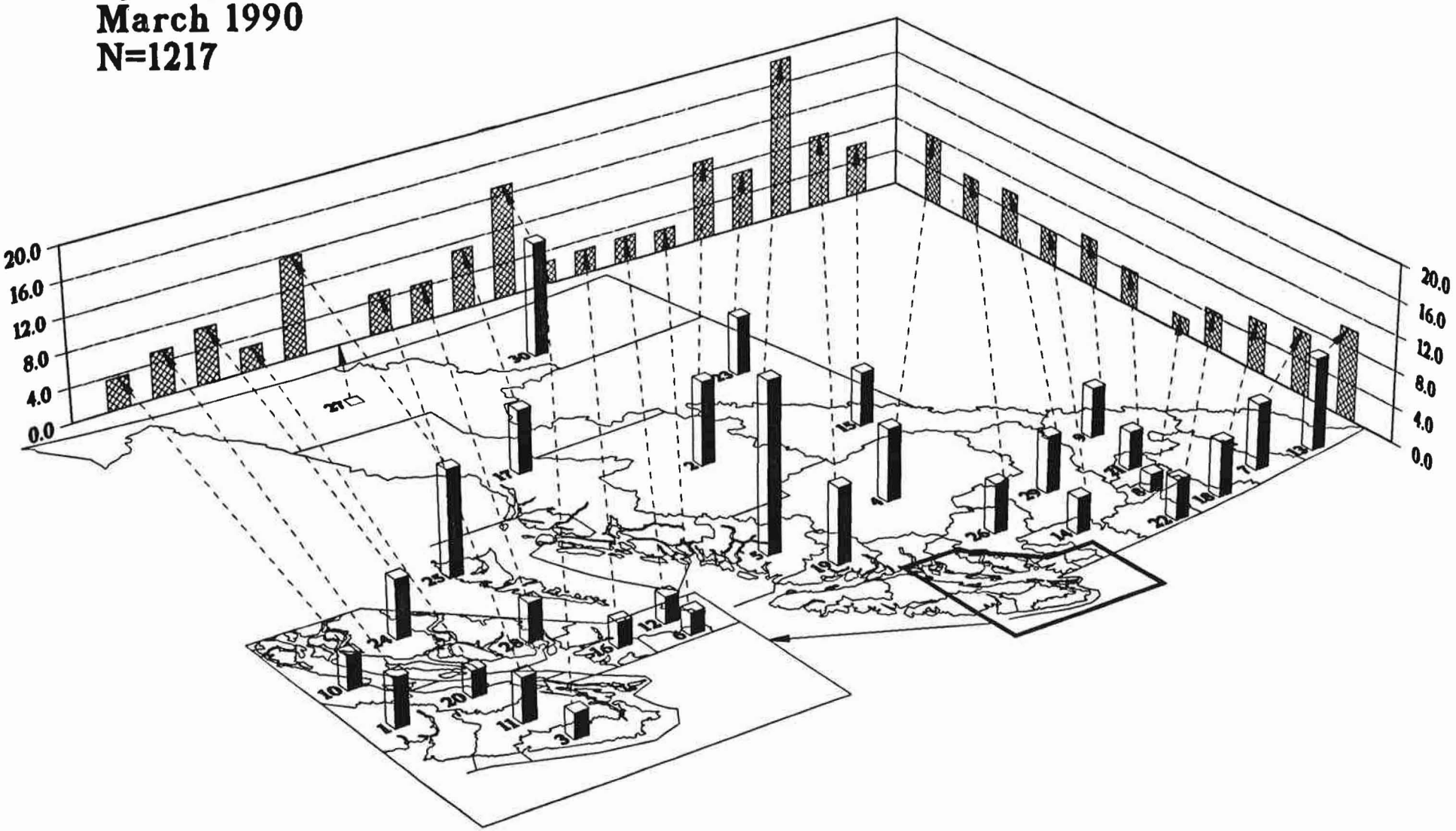


Table 1

Rated Hospital Bed Capacity[1] in British Columbia

by Regional Hospital District

March 1989 and March 1990

Regional Hospital District	Acute Care Beds		Extended Care Beds		Bassinets		Rehabilitation Beds		Total	
	1989	1990	1989	1990	1989	1990	1989	1990	1989	1990
Non-Metropolitan - Subtotal	**5,077**	**5,101**	**2,796**	**2,867**	**814**	**707**	**0**	**0**	**8,687**	**8,675**
1 Alberni-Clayoquot	139	139	32	32	30	16	0	0	201	187
2 Bulkley-Nechako	150	150	17	17	36	35	0	0	203	202
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	179	202	225	225	18	21	0	0	422	448
7 Central Kootenay	216	216	128	128	39	36	0	0	383	380
8 Central Okanagan	328	329	300	300	20	20	0	0	648	649
9 Columbia-Shuswap	113	113	58	58	26	22	0	0	197	193
10 Comox-Strathcona	225	225	133	133	36	29	0	0	394	387
11 Cowichan Valley	167	167	120	133	29	27	0	0	316	327
12 Dewdney-Alouette	196	196	244	244	24	26	0	0	464	466
13 East Kootenay	261	261	79	79	49	49	0	0	389	389
14 Fraser-Cheam	232	232	95	95	25	26	0	0	352	353
15 Fraser-Fort George	330	330	74	74	65	52	0	0	469	456
17 Kitimat-Stikine	200	200	33	53	36	28	0	0	269	281
18 Kootenay Boundary	228	228	103	103	28	18	0	0	359	349
19 Mount Waddington	80	80	8	8	21	12	0	0	109	100
20 Nanaimo	260	260	231	231	39	26	0	0	530	517
21 North Okanagan	213	213	208	208	24	24	0	0	445	445
22 Okanagan-Similkameen	294	294	198	198	33	28	0	0	525	520
23 Peace River	192	192	84	94	43	33	0	0	319	319
24 Powell River	77	77	44	60	12	12	0	0	133	149
25 Skeena-Queen Charlotte	126	126	27	27	28	27	0	0	181	180
26 Squamish-Lillooet	59	59	11	23	12	12	0	0	82	94
27 Stikine	6	6	0	0	2	0	0	0	8	6
28 Sunshine Coast	55	55	50	50	8	8	0	0	113	113
29 Thompson-Nicola	495	495	210	210	69	61	0	0	774	766
30 Fort Nelson/Liard	41	41	0	0	9	6	0	0	50	47
Metropolitan - Subtotal	**6,338**	**6,338**	**4,861**	**4,898**	**536**	**510**	**428**	**428**	**12,163**	**12,174**
3 Capital	1,045	1,045	1,426	1,428	95	79	153	153	2,719	2,705
16 Greater Vancouver	5,293	5,293	3,435	3,470	441	431	275	275	9,444	9,469
TOTAL	**11,415**	**11,439**	**7,657**	**7,765**	**1,350**	**1,217**	**428**	**428**	**20,850**	**20,849**

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

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Table 2

Rated Hospital Bed Capacity[1] in British Columbia

per 10,000 Population by Regional Hospital District

March 1989[2] and March 1990

Regional Hospital District	Acute Care Beds		Extended Care Beds		Bassinets		Rehabilitation Beds		Total	
	1989	1990	1989	1990	1989	1990	1989	1990	1989	1990
Non-Metropolitan - Subtotal	**38.20**	**37.67**	**21.04**	**21.17**	**6.12**	**5.22**	**0.00**	**0.00**	**65.35**	**64.06**
1 Alberni-Clayoquot	46.42	45.88	10.69	10.56	10.02	5.28	0.00	0.00	67.12	61.72
2 Bulkley-Nechako	40.51	40.10	4.59	4.54	9.72	9.36	0.00	0.00	54.82	54.00
4 Cariboo	32.42	32.21	12.87	12.78	8.06	8.01	0.00	0.00	53.35	52.99
5 Central Coast	81.48	81.66	28.20	28.27	18.80	18.84	0.00	0.00	128.49	128.77
6 Central Fraser Valley	22.51	24.24	28.30	27.00	2.26	2.52	0.00	0.00	53.08	53.77
7 Central Kootenay	44.53	43.87	26.39	26.00	8.04	7.31	0.00	0.00	78.95	77.17
8 Central Okanagan	33.55	32.45	30.69	29.59	2.05	1.97	0.00	0.00	66.28	64.02
9 Columbia-Shuswap	28.50	28.39	14.63	14.57	6.56	5.53	0.00	0.00	49.68	48.49
10 Comox-Strathcona	29.44	28.59	17.40	16.90	4.71	3.68	0.00	0.00	51.56	49.17
11 Cowichan Valley	30.26	29.78	21.74	23.72	5.25	4.81	0.00	0.00	57.25	58.31
12 Dewdney-Alouette	23.81	22.49	29.64	27.99	2.92	2.98	0.00	0.00	56.36	53.46
13 East Kootenay	53.65	54.16	16.24	16.39	10.07	10.17	0.00	0.00	79.97	80.72
14 Fraser-Cheam	36.86	35.70	15.09	14.62	3.97	4.00	0.00	0.00	55.92	54.32
15 Fraser-Fort George	38.26	38.15	8.58	8.55	7.54	6.01	0.00	0.00	54.38	52.72
17 Kitimat-Stikine	51.02	50.65	8.42	13.42	9.18	7.09	0.00	0.00	68.63	71.17
18 Kootenay Boundary	76.45	76.06	34.53	34.36	9.39	6.01	0.00	0.00	120.37	116.43
19 Mount Waddington	56.35	56.58	5.64	5.66	14.79	8.49	0.00	0.00	76.78	70.73
20 Nanaimo	29.44	28.54	26.16	25.36	4.42	2.85	0.00	0.00	60.02	56.75
21 North Okanagan	37.91	37.64	37.02	36.76	4.27	4.24	0.00	0.00	79.19	78.64
22 Okanagan-Similkameen	47.48	46.89	31.98	31.58	5.33	4.47	0.00	0.00	84.79	82.93
23 Peace River	38.91	39.19	17.02	19.19	8.71	6.74	0.00	0.00	64.65	65.11
24 Powell River	42.34	41.94	24.20	32.68	6.60	6.54	0.00	0.00	73.14	81.15
25 Skeena-Queen Charlotte	55.02	54.87	11.79	11.76	12.23	11.76	0.00	0.00	79.04	78.38
26 Squamish-Lillooet	27.54	26.79	5.13	10.44	5.60	5.45	0.00	0.00	38.27	42.69
27 Stikine	37.90	38.31	0.00	0.00	12.63	0.00	0.00	0.00	50.54	38.31
28 Sunshine Coast	30.78	30.20	27.98	27.46	4.48	4.39	0.00	0.00	63.23	62.05
29 Thompson-Nicola	50.56	50.18	21.45	21.29	7.05	6.18	0.00	0.00	79.06	77.65
30 Fort Nelson/Liard	87.48	89.32	0.00	0.00	19.20	13.07	0.00	0.00	106.68	102.40
Metropolitan - Subtotal	**36.76**	**35.68**	**28.19**	**27.58**	**3.11**	**2.87**	**2.48**	**2.41**	**70.55**	**68.54**
3 Capital	36.92	35.95	50.38	49.13	3.36	2.72	5.41	5.26	96.07	93.06
16 Greater Vancouver	36.73	35.63	23.84	23.36	3.06	2.90	1.91	1.85	65.54	63.74
TOTAL	**37.39**	**36.54**	**25.08**	**24.80**	**4.42**	**3.89**	**1.40**	**1.37**	**68.29**	**66.60**

[1]Source: B.C. Hospital Programs, Ministry of Health.
[2]These figures differ from the corresponding figures for 1989 appearing in ROLLCALL 89. See Foreword.

Prepared by:
Health Human Resources 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 1989 to March 1990

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	**0.47**	**-1.39**	**2.54**	**0.64**	**-13.14**	**-14.75**	*	*	**-0.14**	**-1.99**
1 Alberni-Clayoquot	0.00	-1.16	0.00	-1.16	-46.67	-47.28	*	*	-6.97	-8.04
2 Bulkley-Nechako	0.00	-1.01	0.00	-1.01	-2.78	-3.75	*	*	-0.49	-1.49
4 Cariboo	0.00	-0.66	0.00	-0.66	0.00	-0.66	*	*	0.00	-0.66
5 Central Coast	0.00	0.22	*	*	*	*	*	*	0.00	0.22
6 Central Fraser Valley	12.85	7.68	0.00	-4.58	16.67	11.32	*	*	6.16	1.30
7 Central Kootenay	0.00	-1.48	0.00	-1.48	-7.69	-9.06	*	*	-0.78	-2.25
8 Central Okanagan	0.30	-3.27	0.00	-3.56	0.00	-3.56	*	*	0.15	-3.41
9 Columbia-Shuswap	0.00	-0.38	0.00	-0.38	-15.38	-15.71	*	*	-2.03	-2.41
10 Comox-Strathcona	0.00	-2.91	0.00	-2.91	-19.44	-21.79	*	*	-1.78	-4.63
11 Cowichan Valley	0.00	-1.59	10.83	9.07	-6.90	-8.37	*	*	3.48	1.84
12 Dewdney-Alouette	0.00	-5.55	0.00	-5.55	8.33	2.32	*	*	0.43	-5.14
13 East Kootenay	0.00	0.94	0.00	0.94	0.00	0.94	*	*	0.00	0.94
14 Fraser-Cheam	0.00	-3.15	0.00	-3.15	4.00	0.73	*	*	0.28	-2.87
15 Fraser-Fort George	0.00	-0.29	0.00	-0.29	-20.00	-20.23	*	*	-2.77	-3.05
17 Kitimat-Stikine	0.00	-0.73	60.61	59.44	-22.22	-22.79	*	*	4.46	3.70
18 Kootenay Boundary	0.00	-0.50	0.00	-0.50	-35.71	-36.04	*	*	-2.79	-3.27
19 Mount Waddington	0.00	0.40	*	*	-42.86	-42.63	*	*	-8.26	-7.89
20 Nanaimo	0.00	-3.06	0.00	-3.06	-33.33	-35.38	*	*	-2.45	-5.44
21 North Okanagan	0.00	-0.70	0.00	-0.70	0.00	-0.70	*	*	0.00	-0.70
22 Okanagan-Similkameen	0.00	-1.25	0.00	-1.25	-15.15	-16.21	*	*	-0.95	-2.19
23 Peace River	0.00	0.71	11.90	12.70	-23.26	-22.71	*	*	0.00	0.71
24 Powell River	0.00	-0.96	36.36	35.06	0.00	-0.96	*	*	12.03	10.96
25 Skeena-Queen Charlotte	0.00	-0.28	0.00	-0.28	-3.57	-3.84	*	*	-0.55	-0.83
26 Squamish-Lillooet	0.00	-2.70	109.09	103.45	0.00	-2.70	*	*	14.63	11.54
27 Stikine	*	*	*	*	*	*	*	*	*	*
28 Sunshine Coast	0.00	-1.87	0.00	-1.87	*	*	*	*	0.00	-1.87
29 Thompson-Nicola	0.00	-0.76	0.00	-0.76	-11.59	-12.26	*	*	-1.03	-1.78
30 Fort Nelson/Liard	0.00	2.11	*	*	*	*	*	*	-6.00	-4.01
Metropolitan - Subtotal	**0.00**	**-2.93**	**0.76**	**-2.19**	**-4.85**	**-7.64**	**0.00**	**-2.93**	**0.09**	**-2.84**
3 Capital	0.00	-2.63	0.14	-2.49	-16.84	-19.03	0.00	-2.63	-0.51	-3.13
16 Greater Vancouver	0.00	-2.99	1.02	-2.00	-2.27	-5.19	0.00	-2.99	0.26	-2.73
TOTAL	**0.21**	**-2.26**	**1.41**	**-1.09**	**-9.85**	**-12.07**	**0.00**	**-2.46**	**-0.00**	**-2.47**

[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 Human Resources Unit
The University of British Columbia

APPENDIX D

RETAIL PHARMACIES IN BRITISH COLUMBIA BY REGIONAL HOSPITAL DISTRICT, 1989 AND 1990

Community Pharmacies per 10,000 Population by Regional Hospital District December 1990 N=627

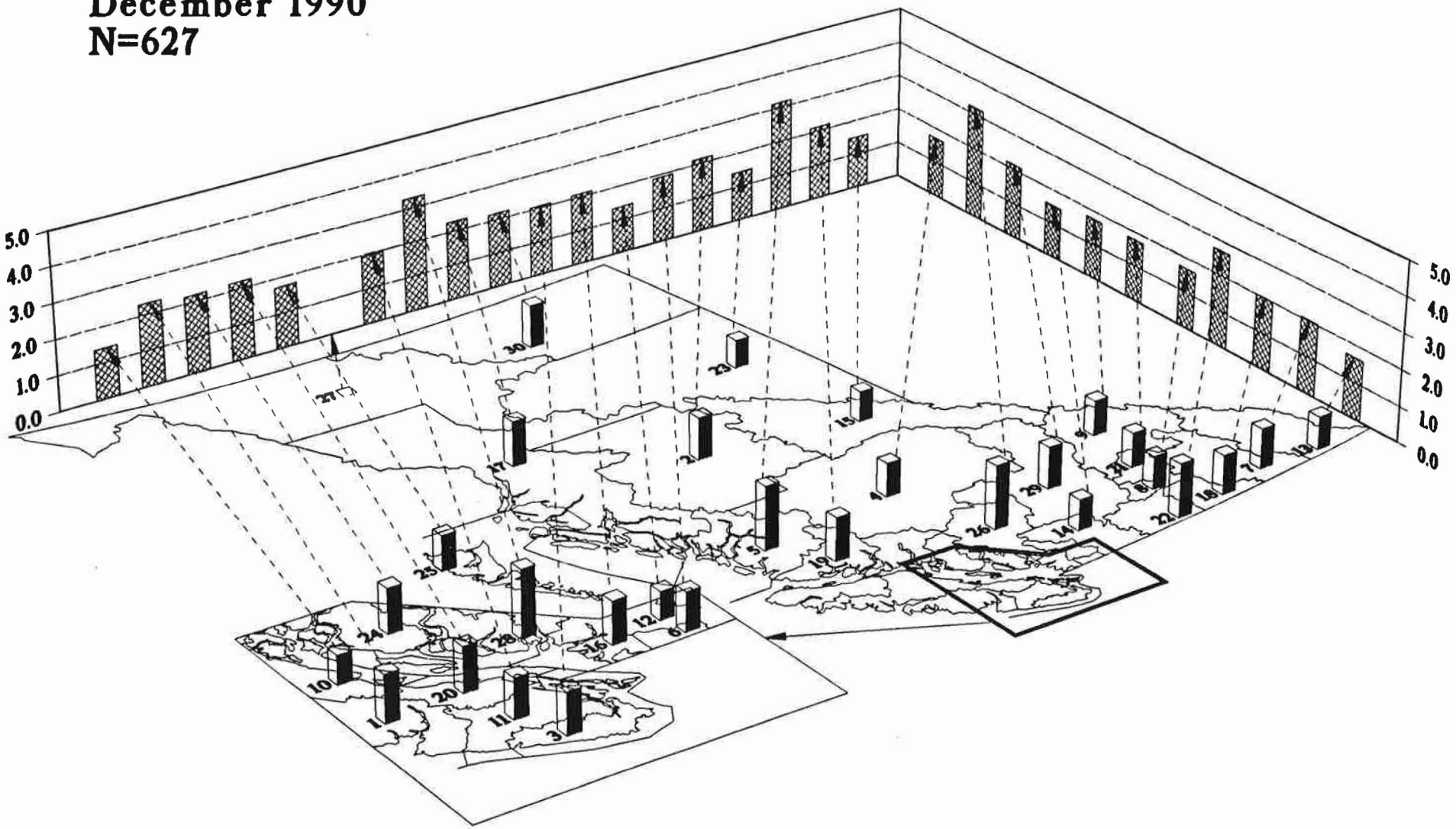

Table 1

Community Pharmacies[1] in British Columbia

by Regional Hospital District

December 1989 and December 1990

Regional Hospital District	Number 1989	Number 1990	Number Per 10,000 Population 1989[2]	Number Per 10,000 Population 1990	Average Annual Rate of Change Number[3]	Average Annual Rate of Change Ratio[4]
Non-Metropolitan - Subtotal	**253**	**256**	**1.90**	**1.89**	**1.19**	**-0.69**
1 Alberni-Clayoquot	7	7	2.34	2.31	0.00	-1.16
2 Bulkley-Nechako	8	8	2.16	2.14	0.00	-1.01
4 Cariboo	10	10	1.72	1.70	0.00	-0.66
5 Central Coast	1	1	3.13	3.14	*	*
6 Central Fraser Valley	16	16	2.01	1.92	0.00	-4.58
7 Central Kootenay	11	10	2.27	2.03	-9.09	-10.44
8 Central Okanagan	17	17	1.74	1.68	0.00	-3.56
9 Columbia-Shuswap	7	7	1.77	1.76	*	*
10 Comox-Strathcona	13	11	1.70	1.40	-15.38	-17.84
11 Cowichan Valley	13	11	2.36	1.96	-15.38	-16.73
12 Dewdney-Alouette	11	12	1.34	1.38	9.09	3.04
13 East Kootenay	8	8	1.64	1.66	*	*
14 Fraser-Cheam	9	10	1.43	1.54	*	*
15 Fraser-Fort George	12	13	1.39	1.50	8.33	8.02
17 Kitimat-Stikine	8	9	2.04	2.28	*	*
18 Kootenay Boundary	6	6	2.01	2.00	*	*
19 Mount Waddington	3	3	2.11	2.12	*	*
20 Nanaimo	20	20	2.26	2.20	0.00	-3.06
21 North Okanagan	9	10	1.60	1.77	*	*
22 Okanagan-Similkameen	16	17	2.58	2.71	6.25	4.93
23 Peace River	7	7	1.42	1.43	*	*
24 Powell River	4	4	2.20	2.18	*	*
25 Skeena-Queen Charlotte	4	4	1.75	1.74	*	*
26 Squamish-Lillooet	6	7	2.80	3.18	*	*
27 Stikine	0	0	0.00	0.00	*	*
28 Sunshine Coast	6	6	3.36	3.29	*	*
29 Thompson-Nicola	20	21	2.04	2.13	5.00	4.21
30 Fort Nelson/Liard	1	1	2.13	2.18	*	*
Metropolitan - Subtotal	**363**	**371**	**2.11**	**2.09**	**2.20**	**-0.79**
3 Capital	59	60	2.08	2.06	1.69	-0.98
16 Greater Vancouver	304	311	2.11	2.09	2.30	-0.76
TOTAL	**616**	**627**	**2.02**	**2.00**	**1.79**	**-0.72**

[1]Includes retail pharmacies only. Hospital pharmacies are excluded.
[2]These figures differ from the corresponding figures for 1989 appearing in ROLLCALL 89. See Foreword.
[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.

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