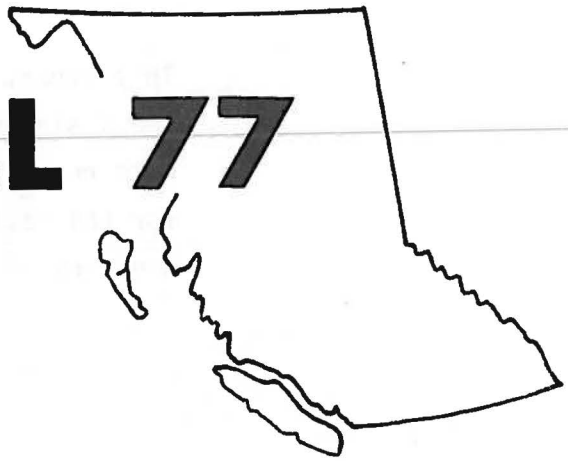
ROLLCALL 77



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

Report R:5

Division of Health Services Research and Development,

Health Sciences Centre,

University of British Columbia.

This report is one of a series describing the distribution of health manpower and health care resources. These reports are prepared for the Health Manpower Working Group of the Ministry of Health.

January 25, 1979

FEB 1 1979

-ROLLCALL 77-

ERRATA

Page 13, Table 3

11. Pharmacists, Metropolitan Region -

CHANGE: *+2.07* to *+1.70*

17.5 Pharmacists, Non-Metropolitan Region -

CHANGE: *+1.05* to *+0.14*

Page 16, Table 4

12. Pharmacists -

CHANGE TO READ: *1977 - 1.61, 1975 - 1.57*

Page 17, Table 5

Pharmacists - Data were not re-calculated and may not be correct

Page 18, Table 6

Pharmacists - Data were not re-calculated and may not be correct

Page 20-7, Table 1.2 and Page 20-8, Table 1.3

Please replace this page with the attached revised copy.

Table 1.2

Number of Pharmacists[1] in British Columbia

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

1975 and 1977

Regional Hospital District		Practising		Non-Practising		Total	
		1975	1977	1975	1977	1975	1977
Non-Metropolitan - Subtotal		5.26	5.37	0.16	0.07	5.42	5.43
1	East Kootenay	5.99	6.90	0.0	0.0	5.99	6.90
2	Central Kootenay	4.78	4.82	0.42	0.20	5.19	5.02
2a	Kootenay Boundary	5.69	6.30	0.0	0.0	5.69	6.30
3	Okanagan-Similkameen	6.43	6.76	0.40	0.19	6.83	6.95
4	Columbia-Shuswap	4.05	5.20	0.29	0.0	4.34	5.20
5	North Okanagan	5.87	5.67	0.45	0.20	6.32	5.87
6	Central Okanagan	6.12	6.23	0.15	0.0	6.27	6.23
7	Thompson-Nicola	6.30	5.77	0.0	0.0	6.30	5.77
8	Cariboo	4.27	4.07	0.0	0.0	4.27	4.07
9	Squamish-Lillooet	4.60	5.52	0.0	0.0	4.60	5.52
10	Fraser-Cheam	6.35	5.91	0.0	0.0	6.35	5.91
11	Central Fraser Valley	5.61	5.22	0.37	0.21	5.98	5.43
12	Dewdney-Alouette	5.00	5.10	0.40	0.18	5.40	5.28
14	Sunshine Coast	10.05	7.65	0.84	0.0	10.89	7.65
15	Powell River	5.15	5.54	0.0	0.0	5.15	5.54
16	Mount Waddington	2.49	6.21	0.0	0.0	2.49	6.21
16a	Central Coast	0.0	2.39	0.0	0.0	0.0	2.39
17	Skeena-Queen Charlotte	5.31	5.28	0.0	0.0	5.31	5.28
18	Kitimat-Stikine	3.64	4.36	0.0	0.0	3.64	4.36
19	Bulkley-Nechako	3.17	3.56	0.0	0.0	3.17	3.56
20	Fraser-Fort George	4.31	4.23	0.13	0.12	4.44	4.35
21	Peace River-Liard	2.91	3.78	0.0	0.0	2.91	3.78
22	Stikine	0.0	0.0	0.0	0.0	0.0	0.0
24	Cowichan Valley	4.18	4.52	0.0	0.0	4.18	4.52
25	Nanaimo	6.94	6.03	0.17	0.15	7.11	6.19
26	Alberni-Clayoquot	6.54	7.44	0.0	0.0	6.54	7.44
27	Comox-Strathcona	5.07	5.07	0.36	0.0	5.43	5.07
Metropolitan - Subtotal		8.27	8.62	0.28	0.23	8.55	8.84
13	Greater Vancouver	8.29	8.75	0.27	0.22	8.56	8.97
23	Capital	8.21	7.97	0.31	0.25	8.52	8.23
TOTAL		6.88	7.08	0.22	0.15	7.11	7.23

[1] Definitions are as in the attached text.

Prepared by:

Health Manpower Research Unit
University of B.C.

Table 1.3

Estimated Annual Rate of Change[4]; Pharmacists[1]

in British Columbia by Registration Status by Regional Hospital District

from 1975 to 1977

Regional Hospital District		Practising		Non-Practising		Total	
		Number[2]	Ratio[3]	Number[2]	Ratio[3]	Number[2]	Ratio[3]
Non-Metropolitan - Subtotal		4.71	1.05	-27.78	-29.27	3.74	0.14
1	East Kootenay	11.11	7.67	*	*	11.11	7.67
2	Central Kootenay	2.17	0.43	*	*	0.0	-1.67
2a	Kootenay Boundary	5.56	5.34	*	*	5.56	5.34
3	Okanagan-Similkameen	6.25	2.55	*	*	4.41	0.83
4	Columbia-Shuswap	17.86	14.20	*	*	13.33	9.92
5	North Okanagan	3.85	-1.74	*	*	1.79	-3.59
6	Central Okanagan	7.32	0.91	*	*	5.95	-0.30
7	Thompson-Nicola	-0.89	-4.26	*	*	-0.89	-4.26
8	Cariboo	2.38	-2.37	*	*	2.38	-2.37
9	Squamish-Lillooet	*	*	*	*	*	*
10	Fraser-Cheam	-1.56	-3.52	*	*	-1.56	-3.52
11	Central Fraser Valley	3.26	-3.52	*	*	2.04	-4.58
12	Dewdney-Alouette	6.00	0.97	*	*	3.70	-1.12
14	Sunshine Coast	-8.33	-11.97	*	*	-11.54	-14.90
15	Powell River	5.00	3.77	*	*	5.00	3.77
16	Mount Waddington	*	*	*	*	*	*
16a	Central Coast	*	*	*	*	*	*
17	Skeena-Queen Charlotte	0.0	-0.32	*	*	0.0	-0.32
18	Kitimat-Stikine	10.71	9.85	*	*	10.71	9.85
19	Bulkley-Nechako	10.00	6.11	*	*	10.00	6.11
20	Fraser-Fort George	3.03	-0.88	*	*	2.94	-0.97
21	Peace River-Liard	15.38	14.89	*	*	15.38	14.89
22	Stikine	*	*	*	*	*	*
24	Cowichan Valley	7.89	4.04	*	*	7.89	4.04
25	Nanaimo	-2.44	-6.52	*	*	-2.38	-6.47
26	Alberni-Clayoquot	7.14	6.84	*	*	7.14	6.84
27	Comox-Strathcona	3.57	0.01	*	*	0.0	-3.33
Metropolitan - Subtotal		3.40	2.07	-8.33	-9.37	3.02	1.70
13	Greater Vancouver	3.93	2.81	-8.62	-9.48	3.54	2.43
23	Capital	0.81	-1.41	*	*	0.52	-1.69
TOTAL		3.86	1.45	-14.81	-16.39	3.27	0.89

[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.
[4] A two year rate of change has been adjusted to an annual figure.
* Indicates that the base for the rate of change was less than 10.

Prepared by:

Health Manpower Research Unit
University of B.C.

HEALTH MANPOWER RESEARCH UNIT

C/O OFFICE OF THE COORDINATOR
HEALTH SCIENCES CENTRE

PHONE: (604) 228-4810

4th FLOOR I.R.C. BUILDING
THE UNIVERSITY OF BRITISH COLUMBIA
VANCOUVER, B.C., CANADA
V6T 1W5

March 10, 1978.

Dr. F. G. Tucker,
Chairman, Health Manpower Working Group,
Consultant in Mental Health,
Ministry of Health,
Parliament Buildings,
Victoria, B.C.

Dear Dr. Tucker,

Re: ROLLCALL 77

I have pleasure in transmitting to you and to members of the Health Manpower Working Group this report of selected health personnel by Regional Hospital District in British Columbia for the year 1977. Numbers, rates and rates of change and full-time equivalents (where available) are presented for 27 groups.

This report is the product of many months of hard work by Mr. Gordon Muir, project director, and other project staff. ROLLCALL 77 is funded by the Ministry of Health through the University of British Columbia and by the University itself. Support and assistance have been provided by registrars, membership officers and staff of the many professional groups, the University of B.C. Computing Centre and the Medical Services Commission. This support has been invaluable.

The computer runs which prepare this report also produce maps and statistics by school district, town and our own Research Unit regions: these are available on specific request.

The production of ROLLCALL 77, although an important function of our data base, is not its sole function. In cooperation with the Associations and licensing bodies, the data base is, and will continue to be, put to many other manpower and resource planning uses. Mathematical models are available to assist in testing policy options concerning immigration and training of health workers. As the data are used, the need for changes and improvements will be obvious.

We invite your comments and suggestions for changes which will increase the effectiveness of future reports.

Yours sincerely,

Wendy Manning

Wendy G. Manning,
Research Manager,

Secretary,
Health Manpower Working Group.

WGM/fam

Detach Page

To the Reader:

This volume, while it contains accurate and defined data on a set of health personnel, may contain some errors of definition and interpretation.

Errata and additional tables may be issued from time to time until an updated issue of ROLLCALL is printed. If you would like to receive these, please return this page to:

Health Manpower Research Unit,
Room 429, IRC Building,
University of British Columbia,
Vancouver, B.C. Canada. V6T 1W5

Your Name _____

Address _____

_____

_____

_____
(postal code)

Thank you for your interest.

ROLLCALL 77

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FOREWORD

ROLLCALL 77 is the third situation report on health personnel by Regional Hospital District produced by the Division of Health Services Research and Development, University of British Columbia. This Division is comprised of staff members from the Office of the Coordinator of Health Sciences and the Health Manpower Research Unit. The production of ROLLCALL is based on the presumption that the data will be used for manpower planning by the principal recipients of the report: the Health Manpower Working Group of the Province of British Columbia and the professional groups and licensing or registration bodies in the Province. In the past two years since ROLLCALL 75, there has been an increased interest and involvement in manpower planning by the professional groups and licensing and registration bodies -- an encouraging fact.

ROLLCALL 77, like its predecessor, ROLLCALL 75, is not meant to replace the national Health Manpower Inventory, produced annually by the Health Manpower Directorate of Health and Welfare Canada: that publication reviews provincial variation, using consistent definitions and national sources; nor is it meant to replace annual Health Manpower statistics issued by Statistics Canada.* ROLLCALL concentrates on examining the health manpower situation in British Columbia by Regional Hospital District, using official and consistently edited provincial data which has been assembled and analyzed in conjunction with provincial licensing authorities and professional associations.

The Health Manpower Research Unit was initially funded by the Minister of Health in September 1973, as a demonstration project. It was charged with the development of the provincial health manpower data base and creation of models to analyze the forces influencing manpower levels and the effect of certain policy options upon the type and distribution of the manpower stock. The Unit has produced a number of reports, directories, and other analyses of manpower data for the professional bodies, the Provincial Health Manpower Working Group, the Federal/Provincial Health Manpower Advisory Committee, and the Western Canada Post-Secondary Education Health Manpower Requirements SubCommittee of the Ministers of Education. It provides, on behalf of the professional bodies, tapes and data to Statistics Canada for inclusion in the Health Manpower statistics series.

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* Catalogue 83-223 (Physicians and Surgeons); 83-224 (Radiological Technicians); 83-225 (Physiotherapists); and 83-226 (Nursing in Canada).

Since 1973, a large and varied amount of data has been collected by the Division as a basis for decision making. The manpower component of this data base falls into four categories requiring varying degrees of maintenance to ensure its quality and currency.

The data bases used in this report fall into the following categories:

a) computer-based and updated regularly by the Division.

Seven data bases are set up in a dynamic mode, edited and updated regularly in cooperation with provincial licensing authorities. These are:

- Certified Dental Assistants
- Dental Hygienists
- Dentists
- Licensed Practical Nurses
- Pharmacists
- Physicians
- Psychologists

An eighth data base on Medical Interns and Residents is updated regularly by the Division, in cooperation with the training institutions.

b) computer-based and updated regularly by another group.

The Registered Nurses' Association of British Columbia has established its own data base as part of an office management system.

c) computer-stored and annually updated by the Division.

A file system is maintained by the Division on a number of health occupations where information is most often derived from annual registrations and, where possible, supplemented annually or bi-annually through questionnaires. Currently included are:

- Chiropractors
- Health Record Personnel
- Laboratory Technologists
- Medical Dietitians
- Occupational Therapists
- Physiotherapists
- Psychiatric Nurses
- Public Health Inspectors

d) lists and hand-tallied statistics.

The remainder of the health groups included in this report are not computer-stored.

Only the computer-based groups can be studied to produce transitions within and between regional districts over a period of time.

The selection of groups for inclusion has, in general, followed priorities set by one of the official planning agencies or by Statistics Canada.

Regional Hospital Districts are used exclusively in ROLLCALL: a set of analyses by school district, by community, or by region has been produced at the same time and is available on special request.

There is an obvious temptation to examine regional inequalities as indicators of regional deficiencies; the temptation should be avoided and no interpretations are made in ROLLCALL. The demography and needs of the population, the service functions of institutions and professions within a region, the accessibility and availability of communication and transportation resources, the productivity of the professionals and the potential of real transfer of functions between members of the formal and informal health care teams all affect the interpretation of these statistics. We indicated that ROLLCALL 74 and ROLLCALL 75 were cautious first attempts which contain accurate data of, as yet, questionable interpretation; the same caveat applies to ROLLCALL 77.

Information used to produce ROLLCALL is treated as highly confidential and cannot be used further without permission of the agencies and registration bodies which are considered to control access to the information.

ROLLCALL 77 is the result of many months of hard work by the project staff. The overall direction and coordination of the project and the computing of the dynamic data bases were under the direction of Gordon Muir, B.Sc.(Comp.Sci.); coding and editing were carried out by Nan Molley and Sharon Jansen; programming and updating routines were the responsibility of Kerry Kerluke, B.Sc.(Comp.Sci.) and Gordon Wong, B.Sc.(Comp.Sci.); inputting of the data was the responsibility of Jalna Lynch, Sherry Velestuk and Andrea Adamovich; the text was written by Annette Stark, Ph.D., Gordon Muir and Wendy Manning, B.Ed.; secretarial support was provided by Fran Minogue.

Financial support from the University of British Columbia and the B.C. Medical and Hospital Programs, Ministry of Health, is gratefully acknowledged.

Computer analyses were performed on the U.B.C. IBM 370/168 computer system. The dynamic files were manipulated under file-management system ASAP 2.0.

INTRODUCTION TO THE CHAPTERS

1. All statistics pertain to the specific date of record; location and personal data are usually, but not always, referrable to this same date which is frequently September, 1977, approximately mid-year.

2. The data for each type of health personnel are displayed in each chapter by Regional Hospital District in a reasonably consistent fashion, using a common table-numbering system:

   Table 1: Registration status with historical statistics.

   Table 2: Employer, or type of practice arrangements, for active personnel.

   Table 3: Type of employment, or field of specialization, for active personnel.

   Table 4: Full-time equivalents; adjusting for activity level.

   Table 5: Forces (immigration, attrition) affecting manpower stock changes.

   Each table may be divided into sections:

   Section .1 - Numbers

   Section .2 - Rates per 10,000 population

   Section .3 - Annual rates of change

   Not all sections are used: rates of change are reported for only certain tables and only if sound 1975 data exist. It was felt that the printing of too many sections to a table led to a confusing report. Readers' comments and special requests will further improve future issues of ROLLCALL.

3. Although some corrections, updates and new information have been collected since ROLLCALL 75, these are, in general, inconsequential. Transitions, when calculated, and rates of change are based upon the statistics in ROLLCALL 75.

4. In all cases, the tables indicating the rate of change have been adjusted to an annual figure. This was necessary because of the two-year lapse since ROLLCALL 75.

5. Production data will be published in PRODUCTION 77.

6. Computer Graphics

Health Worker numbers and worker/population ratios are plotted by computer on a map of British Columbia which shows Regional Hospital Districts. The name and number of each District are given on page 2 of Appendix A.

The shaded maps which precede the tables for each health group are shaded on the ordinal scale shown in the legends. These maps do not replace the tables but permit the reader to gain a rapid visual impression of the manpower distribution over the Province.

Population estimates by Regional Hospital District are given on page 2 of Appendix B. These have been derived from the 1971 and 1976 Canadian Census data.

OVERVIEW OF THE FINDINGS

Introduction

The bulk of this report is devoted to descriptions and analyses of health manpower groups as separate entities. In this overview of findings, an attempt is made to draw together some of these data in rank order.

These tables cannot be interpreted by themselves to suggest that a shortage, an oversupply, or a maldistribution of health workers exists. They can, however, be used to identify priority areas for further study.

Population: Manpower Ratios

In Table 1, the population per active worker for 27 health manpower groups reported in the chapters of ROLLCALL 77 is given. In addition, the 1975 ratios are presented for comparison, and data from Canada Health Manpower Inventory 1976 [1] is included to show the ratios for Canada, although direct comparisons are not particularly appropriate.

Data for 1975 were calculated using the revised population estimates found on page 2 of Appendix B and the numbers of active workers shown in ROLLCALL 75 [2]. It can be seen that, while in general the population/manpower ratios are quite similar for 1975 and 1977, Osteopaths, Dental Mechanics, Health Record Personnel, Optometrists, Public Health Inspectors, Chiropractors, Dental Laboratory Technicians and Dietitians show increases in the population per worker ratio. The ratios suggest only the current situation and should not be interpreted as ideal.

On the other hand, Dental Hygienists, Radiological Technicians, Medical Office Assistants, Food Service Supervisors, and Biomedical Engineers show fairly large decreases in the population/manpower ratio. To some extent, this may be an artifact occasioned by increased reporting and upgrading of the data bases, but both these trends will bear watching over time.

In general, the rank order of groups is similar in British Columbia to Canada as a whole and, in fact, British Columbia shows a lower population/worker ratio for most groups. Some comparisons are omitted as inappropriate. British Columbia continues to show nearly twice the proportion of Dental

Hygienists found in Canada as a whole. Public Health Inspectors are similarly disproportionate in British Columbia. Podiatrists, though few in number, are also proportionally higher in British Columbia.

Only Optometrists, Licensed Practical Nurses, and Registered Nurses are proportionally fewer in British Columbia than in Canada as a whole. As previously stated, some comparisons were omitted as inappropriate and care should be taken in interpreting the remainder, since differences in data bases and definitions may skew the results. Neither is it appropriate to suggest that any, or all, of these ratios are ideal.

One should then interpret the data in Table 1 with caution. Where registration or licensing is mandatory for employment, the number of persons registered or licensed in a field is a reasonably accurate reflection of the number of persons working. In cases, however, where registration or licensing is not mandatory (usually shown in tables with the modifier *[members]), the numbers may not reflect reality. Over the years, as the Health Manpower Research Unit becomes better known and as surveys of occupational groups, through their Societies, become more commonplace, the quality and completeness of the data increases.

Table 1

Population per Active Worker[1] for Health Manpower Groups in Ranked Order, B.C., 1977, and Showing B.C. and Canada, 1975

		B.C.[2] (1977)	B.C.[3] (1975)	Canada[4] (1975)
1.	Osteopaths	360,429	301,276	319,417
2.	Prosthetists/Orthotists	72,086	--	NA
3.	Podiatrists	68,189	68,863	160,825
4.	Food Service Supervisors*	26,558	31,713	NA
5.	Biomedical Engineers*	21,939	25,106	**
6.	Audiologists/Speech Pathologists*	19,114	--	23,636
7.	Dental Mechanics	18,416	17,987	NA
8.	Health Record Personnel*	15,769	14,878	**
9.	Optometrists	14,754	14,319	13,649
10.	Public Health Inspectors	14,335	13,316	26,465
11.	Chiropractors	11,627	11,588	14,761
12.	Psychologists[5]	NA	10,000	NA
13.	Dental Laboratory Technicians	10,256	9,798	NA
14.	Occupational Therapists*	8,495	8,960	**
15.	Dental Hygienists	8,139	9,164	15,383
16.	Dietitians*	6,710	6,658	9,414
17.	Medical Office Assistants*	4,797	6,196	NA
18.	Physiotherapists	2,877	3,114	**
19.	Certified Dental Assistants	2,867	3,802	**
20.	Radiological Technicians*	2,822	4,092	3,189
21.	Dentists	1,756	1,873	2,575
22.	Medical Laboratory Technologists*	1,603	2,034	**
23.	Registered Psychiatric Nurses	1,438	1,463	NA
24.	Pharmacists	1,412	1,453	1,658
25.5	Physicians (MSC Active)	648	688	**
25.5	Physicians (Total)	518	533	588
27.	Licensed Practical Nurses	411	420	331
28.	Registered Nurses	187	195	164

(1) "Active Workers" are those currently holding active membership status, or all members as indicated by (*). When registration or licensing is not mandatory for practice, members may not be a true reflection of the actual number of persons working.

(2) Estimated Population, B.C., 1977 = 2,523,006

(3) Estimated Population, B.C., 1975 = 2,410,210

(4) Source: Canada Health Manpower Inventory, 1976.

NA Not Available.

* Members only.

** Not Comparable Statistic

(5) Psychologists (members) not available for 1977 at time of printing: therefore, not included in summary tables.

Production Ratios

In Table 2, the production of health manpower in British Columbia is assessed by an index in which the current number of active personnel is divided by numbers graduating in 1977. [3]

Personnel in five groups -- Chiropractors, Optometrists, Podiatrists, Prosthetists/Orthotists, and Osteopaths -- are not trained in British Columbia. The provision of vision care services has been the subject of a special study carried out for the Minister of Health by the Vision Care Task Force. The need for a training program for Prosthetists and Orthotists is under consideration at the present time. Policy decisions are required if a sufficient level of care is to be maintained by these health workers.

It can also be seen that Physicians, Dentists, Rehabilitation Medicine Personnel, Dental Laboratory Technicians and Mechanics, and Psychiatric Nurses rank high in terms of the index. This suggests that, of the total active work force in these groups, a proportionately smaller number of workers is produced annually than is true in some other occupational groups. This, again, does not suggest an ideal ratio because of differences in the working life-span of workers. Policies concerning the training opportunities for British Columbians must be formulated and considered along with the service need for specially-trained workers.

Table 2

Rank of Active Health Manpower Groups by Production Index[1] 1977, and Showing 1975

		1977	1975
3.	Chiropractors	--[2]	--
3.	Optometrists	--	--
3.	Podiatrists	--	--
3.	Prosthetists/Orthotists	--	--
3.	Osteopaths	--	--
6.	Physicians (Total)	58.7	61.9
7.	Dentists	41.1	32.3
8.	Rehabilitation Medicine[3]*	35.6	25.7
9.	Dental Laboratory Technicians and Mechanics	31.9	21.8
10.	Registered Psychiatric Nurses	29.7	21.4
11.	Pharmacists	22.3	15.7
12.	Registered Nurses[4]	20.2	19.4
13.	Medical Laboratory Technologists*	19.9	12.6
14.	Dental Hygienists	15.5	13.2
15.	Radiological Technicians*	15.2	11.9
16.	Dietitians*	15.0	15.7
17.	Licensed Practical Nurses	12.2	13.7
18.	Food Service Supervisors*	11.9	6.3
19.	Biomedical Engineers*	11.5	7.4
20.	Audiologists and Speech Pathologists*	10.2	--
21.	Health Record Personnel*	10.0	8.5
22.	Medical Office Assistants[5]*	7.8	4.5
23.	Certified Dental Assistants[6]	5.3	5.8
24.	Public Health Inspectors	4.9	2.7

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* Members only.

(1) Current number active (see tables following) : Numbers graduating in 1977 Source: PRODUCTION '77.

(2) None produced in B.C.: groups ranked according to size of active numbers.

(3) Rehabilitation Medicine: Denominator is Occupational Therapists* plus Physiotherapists.

(4) Registered Nurses: Numbers of Graduates (1977), Cariboo College, not known.

(5) Medical Office Assistants: PRODUCTION '77 estimated.

(6) Certified Dental Assistants: PRODUCTION '77 does not include these in part-time retraining programs.

Net Growth Rates

In Table 3, the net growth rates, 1975 to 1977, (adjusted to population growth), are shown for occupational groups. Any growth rate above zero means that the group is growing faster than the population. Radiological Technicians, Medical Office Assistants, Certified Dental Assistants, and Medical Laboratory Technologists are most noteworthy in the Province as a whole. [See Total Regions]. It should be noted that some of the increase may be artifactual, given the increased completeness of the Health Manpower Research Unit data bases. This may be especially true for Medical Laboratory Technologists who were the subject of a special survey in 1976.[4]

It is, however, interesting to compare the metropolitan/non-metropolitan growth rates for specific groups. While Food Service Supervisors show a relatively large growth overall (+9.71), the non-metropolitan rate is +17.57, while the metropolitan is only +4.98. Similarly, Medical Office Assistants show markedly higher growth rate in non-metropolitan regions (+27.08), compared to metropolitan regions, (+9.63). For Certified Dental Assistants, the relationship is reversed. The growth rate in metropolitan regions is +20.46 while, in non-metropolitan regions, it is +12.06. Although considerably smaller overall, Occupational Therapists, Dietitians, Physiotherapists, Dentists and Optometrists have higher growth rates in non-metropolitan regions than in metropolitan regions, but Physicians do not. Finally, it should be noted that, while seven groups show a "negative" growth rate overall [Total Regions], only Public Health Inspectors, Dental Laboratory Technologists, and Health Record Personnel did not increase in non-metropolitan regions.

These data should be interpreted with caution. A change in the status of members of some groups affects the rates. Detailed attrition, immigration, and intraprovincial migration rates are possible only through the use of dynamic files: in this report, these are only available for Physicians, Registered Nurses, Dentists and Pharmacists. Data collected for special studies are also incorporated whenever possible.

Table 3: Average Annual Growth Rates, 1975 to 1977, by Regional Group: Ranks of Health Groups, Where Data Available, Indexed to Population Growth[1]

Metropolitan Regions		Non-Metropolitan Regions		Total Regions	
1. Radiological Technicians*	+25.85	1. Medical Office Assistants	+27.08	1. Radiological Technicians	+22.50
2. Certified Dental Assistants	+20.46	2. Radiological Technicians	+18.37	2. Medical Office Assistants	+16.67
3. Medical Laboratory Technologists*	+13.06	3. Food Service Supervisors	+17.57	3. Certified Dental Assistants	+16.30
4. Medical Office Assistants*	+ 9.63	4. Medical Laboratory Technologists	+14.78	4. Medical Laboratory Technologists	+13.44
5. Dental Hygienists	+ 9.38	5. Certified Dental Assistants	+12.06	5. Food Service Supervisors	+ 9.71
6. Food Service Supervisors*	+ 4.98	6. Dental Hygienists	+11.80	6. Dental Hygienists	+ 9.58
7. Physicians (MSC Active)	+ 4.67	7. Occupational Therapists	+10.89	7. Physiotherapists	+ 4.12
8. Registered Nurses	+ 3.31	8. Physiotherapists	+ 9.81	8. Dentists	+ 3.33
9. Dentists	+ 2.95	9. Dentists	+ 5.08	9. Physicians (MSC Active)	+ 3.10
10. Physiotherapists	+ 2.23	10. Registered Psychiatric Nurses	+ 2.91	10. Registered Nurses	+ 2.89
11. Pharmacists	+ 2.07	11. Registered Nurses	+ 2.66	11. Occupational Therapists	+ 2.74
12. Dental Laboratory Technicians	+ 1.91.	12. Optometrists	+ 2.65	12. Pharmacists	+ 1.45
13. Occupational Therapists*	+ 1.08	13. Dietitians	+ 2.63	13. Registered Psychiatric Nurses	+ 1.37
14. Registered Psychiatric Nurses	+ 0.98	14. Dental Mechanics	+ 1.41	14. Licensed Practical Nurses	+ 1.14
15. Licensed Practical Nurses	+ 0.66	15. Licensed Practical Nurses	+ 1.27	15. Chiropractors	- 0.17
16. Dietitians*	- 0.55	16. Chiropractors	+ 1.17	16. Dietitians	- 0.39
17. Chiropractors	- 1.24	17.5 Pharmacists	+ 1.05	17. Dental Laboratory Technicians	- 0.42
18. Dental Mechanics	- 2.39	17.5 Physicians (MSC Active)	+ 1.05	18. Optometrists	- 0.80
19. Optometrists	- 3.27	19. Public Health Inspectors	- 1.48	19. Dental Mechanics	- 1.17
20. Public Health Inspectors	- 4.92	20. Dental Laboratory Technicians	- 8.53	20. Public Health Inspectors	- 3.55
21. Health Record Personnel*	- 9.20	21. Health Record Personnel	- 8.66	21. Health Record Personnel	- 8.96

(1) $\frac{\text{Rate/10,000(1977)} - \text{Rate/10,000(1975)}}{\text{Rate/10,000(1975)}} \div 2$

* Members only.

Dispersions

Tables 4 and 5 examine the health manpower groups according to their dispersion throughout the Province in 1977. They identify groups that should receive priority attention in terms of regulations, incentives, and positions in order to deal with abnormal ratios. In some cases, however, a metropolitan bias may be appropriate because of specialization in a field that requires a large catchment population of at least one million.

In Table 4 , a rank of 1.00 indicates an equal metropolitan:non-metropolitan rate. A ratio greater than 1.00 indicates that the population/manpower ratio is greater in the metropolitan regions.

In Table 5, the distribution of health personnel is also shown through the coefficient of variation. In this calculation, only the non-metropolitan regions are included in an effort to describe the differences between these regions. The greater the value of the coefficient, the poorer is the dispersion across the non-metropolitan regions.

It can be seen (Table 4) that only Certified Dental Assistants and Licensed Practical Nurses are proportionally more plentiful in the non-metropolitan regions. Podiatrists, Dental Laboratory Technicians, Biomedical Engineers, Dietitians, Occupational Therapists, and Audiologists/Speech Pathologists are found in markedly higher proportion in the metropolitan regions.

Within the non-metropolitan regions (Table 5), Podiatrists, Psychiatric Nurses, Medical Office Assistants, Biomedical Engineers, Food Service Supervisors, Dental Laboratory Technicians and Dietitians are the least well distributed. The disparity in Psychiatric Nurses is a reflection of the concentration of mental health facilities in one or two regions. Podiatrists, Biomedical Engineers, Dental Laboratory Technicians and Dietitians show both poor metropolitan:non-metropolitan dispersion and poor distribution within non-metropolitan regions. Again, some of this is the result of small numbers in total and highly specialized work which requires a large population base to be economically viable. Pharmacists, Dentists, Licensed Practical Nurses, Registered Nurses and Physicians (MSC Active) appear to be fairly evenly dispersed in the non-metropolitan regions.

In Table 6, the non-metropolitan Regional Hospital Districts which have a manpower/population ratio that is excessively low for a specific professional group are indicated (X). "Excessively low" is arbitrarily defined as more than one standard deviation below the mean/10,000 population for all non-metropolitan regions or, where this

measure is inappropriate, as zero. In this way, both disparities within a professional group and regional disparities for total health workers can be seen.

The problem professional groups are Biomedical Engineers, Dental Laboratory Technicians, Audiologists/Speech Pathologists and Medical Office Assistants, each of which is significantly below the mean in nine or more regions.

The clearly deficient Regional Hospital Districts are Squamish-Lillooet, Mount Waddington, Central Coast and Stikine, each of which is significantly below the mean for eleven or more professional groups.

This does not suggest the ideal mix of workers but points to priority areas for further study. For whatever significance it may have, it is noted that there were 23 fewer significant disparities in 1977 than in 1975.[5]

Table 4

Rank (1977) of Active Manpower Groups by Metropolitan/Rural Ratio[1] and Showing 1975 Ratio

		Ratio	
		1977	1975
1.	Podiatrists	8.33	6.00
2.	Dental Laboratory Technicians	5.96	4.84
3.	Biomedical Engineers*	4.50	--
4.	Dietitians	2.92	3.12
5.	Occupational Therapists*	2.54	3.06
6.	Audiologists/Speech Pathologists*	2.52	--
7.	Dental Hygienists	2.15	2.39
8.	Physiotherapists	1.80	2.06
9.	Dentists	1.73	1.79
10.5	Physicians (MSC Active)	1.69	1.57
10.5	Registered Psychiatric Nurses	1.69	1.81
12.	Pharmacists	1.50	1.50
13.	Medical Laboratory Technologists*	1.44	1.47
14.	Registered Nurses	1.41	1.38
15.	Dental Mechanics	1.38	1.48
16.	Radiological Technicians*	1.31	1.18
17.	Food Service Supervisors*	1.14	1.39
18.	Public Health Inspectors	1.12	1.20
19.	Optometrists	1.05	1.17
20.	Medical Office Assistants*	1.00	1.27
21.	Chiropractors	1.00	1.00
22.	Health Record Personnel*	1.00	1.02
23.	Certified Dental Assistants	0.98	0.86
24.	Licensed Practical Nurses	0.76	0.77

(1) $\frac{\text{Rate/10,000 in the metropolitan regions}}{\text{Rate/10,000 in the non-metropolitan regions}}$

* Members only.

Table 5

Rural Dispersion of Active Health Personnel
Ranked by Coefficient of Variation[1], 1977

		Coefficient % 1977
1.	Podiatrists	304.05
2.	Registered Psychiatric Nurses	228.18
3.	Medical Office Assistants*	138.68
4.	Biomedical Engineers*	131.43
5.	Food Service Supervisors*	111.55
6.	Dental Laboratory Technicians	110.82
7.	Dietitians*	103.31
8.	Audiologists/Speech Pathologists*	94.02
9.	Dental Hygienists	86.22
10.	Occupational Therapists*	84.86
11.	Certified Dental Assistants	70.65
12.	Optometrists	65.81
13.	Dental Mechanics	62.33
14.	Physiotherapists	60.88
15.	Health Record Personnel*	57.69
16.	Chiropractors	55.80
17.	Public Health Inspectors	52.26
18.	Radiological Technicians*	39.65
19.	Medical Laboratory Technologists*	38.78
20.	Pharmacists	29.09
21.	Dentists	26.83
22.	Licensed Practical Nurses	25.76
23.	Registered Nurses	22.80
24.	Physicians (MSC Active)	21.60

(1) $\frac{\sigma}{\mu} \times 100$. Calculations based on workers/10,000 in each non-metropolitan Regional Hospital District.

* Members only.

Table 6

Rural Regional Districts with Low Manpower Loading(1)

1977 and Totals for 1975

Regional Hospital District	Audiologists/Speech Pathologists*	Biomedical Engineers*	Chiropractors	Certified Dental Assistants	Dental Hygienists	Dental Laboratory Technicians*	Dental Mechanics	Dentists	Dietitians (Members)*	Food Service Supervisors (Members)*	Health Record Personnel (Members)	Medical Lab. Technologists (Members)*	Medical Office Assistants (Members)*	Licensed Practical Nurses	Registered Psychiatric Nurses*	Registered Nurses	Occupational Therapists (Members)*	Optometrists	Osteopaths*	Pharmacists	Physicians	Physiotherapists	Public Health Inspectors	Radiological Technicians (Members)	Total, 1977	Total, 1975
1. East Kootenay				X		X							X												3	5
2. Central Kootenay		X																							1	3
2a. Kootenay Boundary	X				X								X												3	2
3. Okanagan-Similkameen		X								X															2	4
4. Columbia-Shuswap	X	X		X						X															4	4
5. North Okanagan																									0	1
6. Central Okanagan																									0	1
7. Thompson-Nicola																									0	1
8. Cariboo		X				X							X				X				X				5	4
9. Squamish-Lillooet		X				X	X		X				X	X		X	X	X			X				10	11
10. Fraser-Cheam	X																								1	1
11. Central Fraser Valley		X																							1	2
12. Oewdney-Alouette					X	X		X																	3	5
14. Sunshine Coast	X					X	X			X							X								5	7
15. Powell River		X		X		X						X			X									X	6	4
16. Mount Waddington	X	X	X			X	X	X	X	X		X	X		X	X		X			X	X			15	16
16a. Central Coast	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X		X		X	X	X	21	18
17. Skeena-Queen Charlotte						X				X			X				X								4	5
18. Kitimat-Stikine	X	X	X		X																		X		5	5
19. Bulkley-Nechako		X	X		X	X		X					X		X	X		X		X					10	10
20. Fraser-Fort George										X															1	1
21. Peace River-Liard						X															X				2	8
22. Stikine	X	X	X	X	X	X	X		X	X	X		X		X	X	X	X		X		X	X	X	19	21
24. Cowichan Valley	X	X																							2	4
25. Nanaimo																									0	1
26. Alberni-Clayoquot		X			X												X				X				4	5
27. Comox-Strathcona																									0	1
TOTAL																									127	150

(1) Defined as those where the manpower rate/10,000 population is less than one standard deviation away from the mean for the sum of all non-metropolitan regions.

* Because coefficient of variation is greater than 100% for these groups (i.e. $\sigma > \mu$), all zero locations are indicated instead.

* Only three non-metropolitan regions contain podiatrists; two contain osteopaths, and one contains a prosthetist and an orthotist.

Summary

The preceding tables, showing rank order, cannot be interpreted by themselves to suggest that a shortage, an oversupply, or a maldistribution of health workers exists. They can, however, be used to identify priority areas for further study and for policy makers. The data do not suggest solutions. Anderson [6] has stated that the alternatives to be considered in manpower planning are dependent upon policy. For example: is equality the underlying social principle of health manpower planning?; equal opportunity for British Columbia's youth in pursuing a health-related career?; or, equal access to health services for British Columbia communities according to need?

References

1. Health Manpower Directorate: Canada Health Manpower Inventory, 1976, Health and Welfare Canada, Ottawa, 1978.

2. Division of Health Services Research and Development: ROLLCALL 75, A Status Report of Health Personnel in the Province of British Columbia. Health Sciences Centre, U.B.C., 1976 (Report R:1)

3. Division of Health Services Research and Development: PRODUCTION 77, A Status Report on the Production of Health Personnel in the Province of British Columbia. Health Sciences Centre, U.B.C., 1978, (Report P:3) [In print]

4. Stark, A.: Medical Laboratory Technologists in British Columbia, 1976. Division of Health Services Research and Development, Health Sciences Centre, U.B.C., 1977 (Report R:4)

5. ROLLCALL 75. (as above)

6. ROLLCALL 75. (as above)

1. AUDIOLOGISTS AND SPEECH-LANGUAGE PATHOLOGISTS (MEMBERS)

1. AUDIOLOGISTS AND SPEECH-LANGUAGE PATHOLOGISTS (MEMBERS)[1]

Definition: (a) An Audiologist:

"Specializes in diagnostic evaluation, habilitative services, and research related to hearing:
Determines auditory efficiency by evaluating range, nature and degree of hearing function, using electroacoustic instrumentation, such as pure-tone and speech audiometers, and galvanic skin response or electroencephalographic-testing equipment. Co-ordinates audiometric results with other diagnostic data, such as educational, medical, social, and behavioural information. Differentiates between organic and nonorganic hearing disabilities through the evaluation of total response pattern and use of acoustic tests, such as delayed auditory feedback. Plans, directs, conducts, or participates in habilitative programs including counselling, auditory training, speech reading, and speech conservation. Acts as consultant to educational, medical, and other professional groups.
May conduct research in physiology, pathology, biophysics, and psychophysics of auditory systems. May design and develop clinical and research procedures and apparatus. May specialize in fields, such as industrial audiology, geriatric audiology, pediatric audiology, and research audiology." [2]

(b) A Speech Pathologist:

"Diagnoses and treats speech, language and voice problems, and performs related research:
Diagnoses disorders of speech, language and voice by evaluating nature and degree of impairment. Treats impairments, such as those resulting from a hearing loss, aphasia, or stuttering; and articulatory problems of organic and nonorganic etiology, for example, cleft palate, cerebral

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[1] Members of the British Columbia Speech and Hearing Association

[2] Canadian Classification and Dictionary of Occupations 1971. vol. 1, p. 128, No. 3137-110.

palsy or surgical removal of the larynx. Plans, directs, or conducts remedial programs designed to restore or improve communicative efficiency. Provides counselling and guidance to speech and language-handicapped individuals, their families, teachers or employers. Acts as consultant to educational, medical, dental and other professional groups. Conducts research related to development of diagnostic and remedial techniques or procedures, or design of apparatus.
May specialize in habilitative programs of specific groups, such as aphasics, industrially handicapped workers, children or adults." [1]

Date of Record: Location of address as at February 1978.

Source of Data: British Columbia Speech and Hearing Association.

Preparation and Updating:

Audiologists and speech-language pathologists do not have to be registered or licensed or join the B.C. Association to be employed. The tables are of members only with a B.C. address at the date of record.

The Association estimates an additional 40 to 50 audiologists or speech-language pathologists are employed in the province who are not members of the Association.

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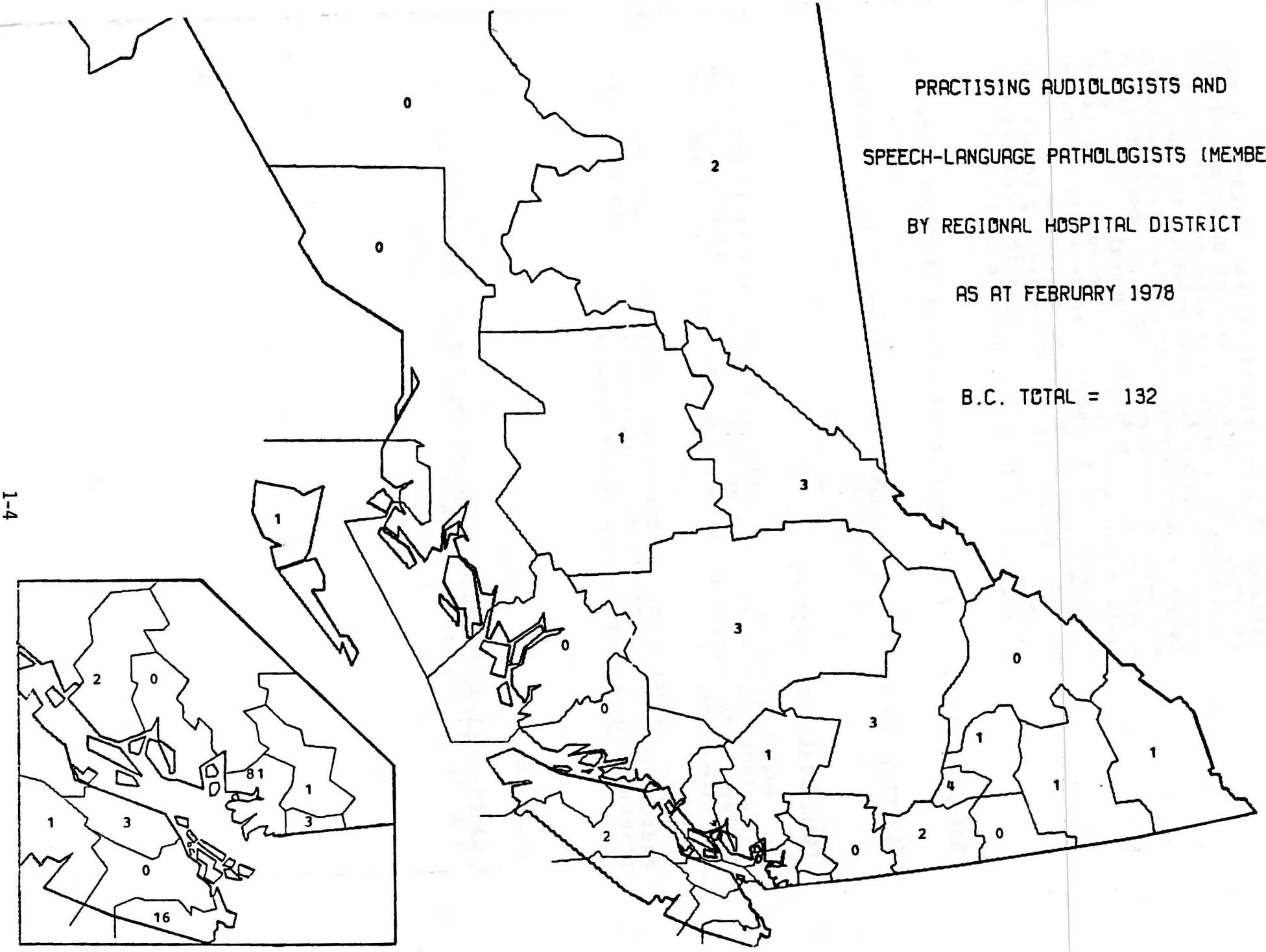
[1] Canadian Classification and Dictionary of Occupations 1971. vol. 1, p. 128, No. 3137-114.


PRACTISING AUDIOLOGISTS AND
SPEECH-LANGUAGE PATHOLOGISTS (MEMBERS)
BY REGIONAL HOSPITAL DISTRICT
AS AT FEBRUARY 1978
B.C. TOTAL = 132
0
0
2
1
3
1
3
0
0
2
0
81
1
1
3
3
0
16
2
0
1
1
3
4
1
1
2
0
2
0

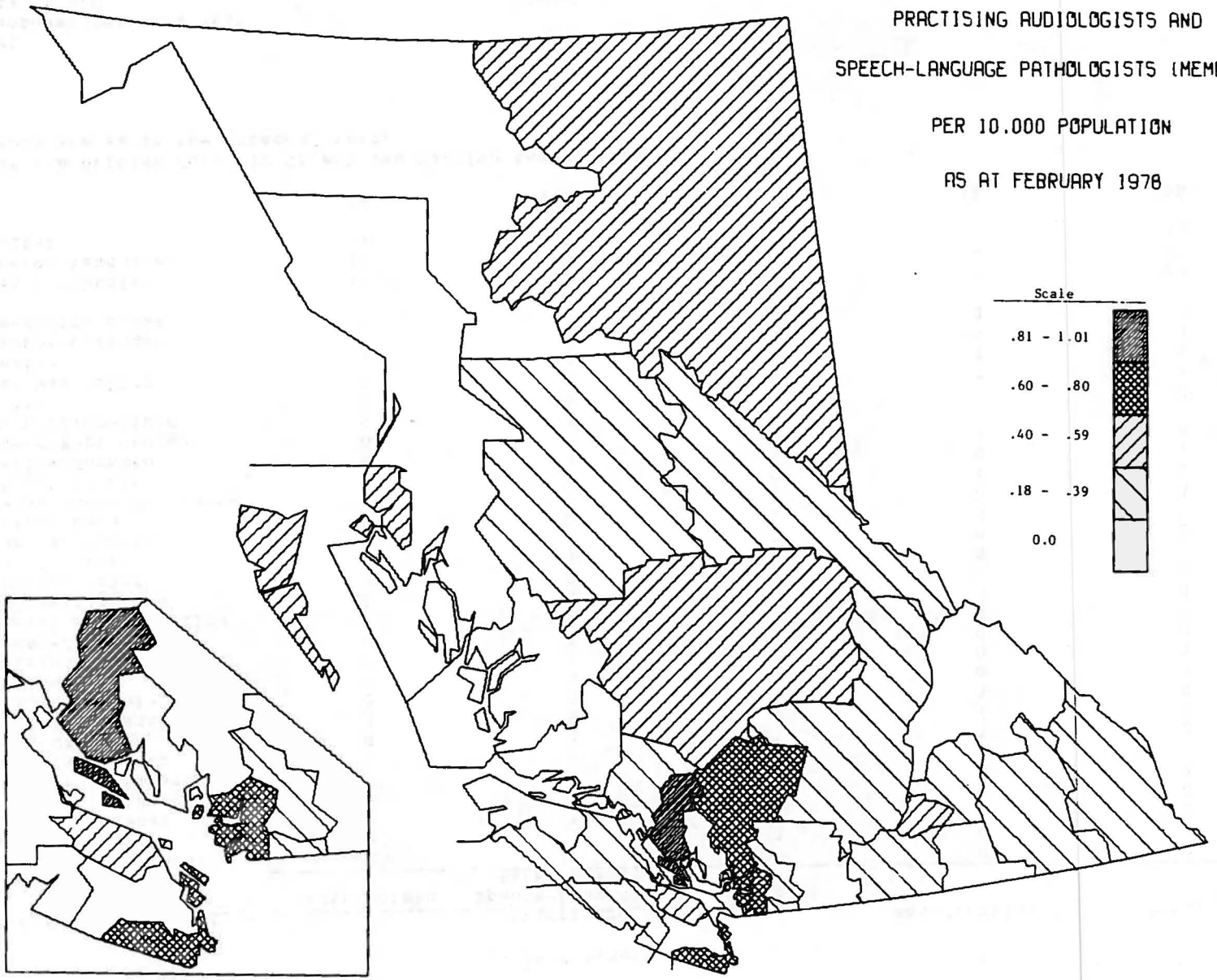

PRACTISING AUDIOLOGISTS AND
SPEECH-LANGUAGE PATHOLOGISTS (MEMBERS)
PER 10,000 POPULATION
AS AT FEBRUARY 1978
Scale
.81 - 1.01
.60 - .80
.40 - .59
.18 - .39
0.0

Table 1.1 Number of Audiologists and Speech-Language Pathologists (Members)[1] in British Columbia

by Membership Status by Regional Hospital District

as at February 1978

Regional Hospital District		Practising			Non-Practising	Total
		Audiologists	Speech-Language Pathologists	Subtotal		
Non-Metropolitan - Subtotal		2	33	35	8	43
1	East Kootenay	0	1	1	0	1
2	Central Kootenay	0	1	1	1	2
2a	Kootenay Boundary	0	0	0	0	0
3	Okanagan-Similkameen	0	2	2	0	2
4	Columbia-Shuswap	0	0	0	0	0
5	North Okanagan	0	1	1	1	2
6	Central Okanagan	1	3	4	1	5
7	Thompson-Nicola	0	3	3	1	4
8	Cariboo	0	3	3	0	3
9	Squamish-Lillooet	0	1	1	0	1
10	Fraser-Cheam	0	0	0	0	0
11	Central Fraser Valley	0	3	3	0	3
12	Dewdney-Alouette	0	1	1	0	1
14	Sunshine Coast	0	0	0	0	0
15	Powell River	1	1	2	0	2
16	Mount Waddington	0	0	0	0	0
16a	Central Coast	0	0	0	0	0
17	Skeena-Queen Charlotte	0	1	1	0	1
18	Kitimat-Stikine	0	0	0	1	1
19	Bulkley-Nechako	0	1	1	0	1
20	Fraser-Fort George	0	3	3	1	4
21	Peace River-Liard	0	2	2	0	2
22	Stikine	0	0	0	0	0
24	Cowichan Valley	0	0	0	1	1
25	Nanaimo	0	3	3	1	4
26	Alberni-Clayoquot	0	1	1	0	1
27	Comox-Strathcona	0	2	2	0	2
Metropolitan - Subtotal		17	80	97	6	103
13	Greater Vancouver	16	65	81	4	85
23	Capital	1	15	16	2	18
TOTAL		19	113	132	14	146

[1] Members of the British Columbia Speech and Hearing Association.
Definitions are as in the attached text.

Prepared By:
Health Manpower Research Unit
University of B.C.

Table 1.2 Number of Audiologists and Speech-Language Pathologists (Members)[1] in British Columbia per 10,000 Population by Membership Status by Regional Hospital District as at February 1978

Regional Hospital District		Practising			Non-Practising	Total
		Audiologists	Speech-Language Pathologists	Subtotal		
Non-Metropolitan - Subtotal		0.02	0.28	0.29	0.07	0.36
1	East Kootenay	0.0	0.21	0.21	0.0	0.21
2	Central Kootenay	0.0	0.20	0.20	0.20	0.40
2a	Kootenay Boundary	0.0	0.0	0.0	0.0	0.0
3	Okanagan-Similkameen	0.0	0.38	0.38	0.0	0.38
4	Columbia-Shuswap	0.0	0.0	0.0	0.0	0.0
5	North Okanagan	0.0	0.20	0.20	0.20	0.40
6	Central Okanagan	0.13	0.40	0.53	0.13	0.66
7	Thompson-Nicola	0.0	0.31	0.31	0.10	0.42
8	Cariboo	0.0	0.55	0.55	0.0	0.55
9	Squamish-Lillooet	0.0	0.61	0.61	0.0	0.61
10	Fraser-Cheam	0.0	0.0	0.0	0.0	0.0
11	Central Fraser Valley	0.0	0.32	0.32	0.0	0.32
12	Dewdney-Alouette	0.0	0.18	0.18	0.0	0.18
14	Sunshine Coast	0.0	0.0	0.0	0.0	0.0
15	Powell River	0.50	0.50	1.01	0.0	1.01
16	Mount Waddington	0.0	0.0	0.0	0.0	0.0
16a	Central Coast	0.0	0.0	0.0	0.0	0.0
17	Skeena-Queen Charlotte	0.0	0.44	0.44	0.0	0.44
18	Kitimat-Stikine	0.0	0.0	0.0	0.26	0.26
19	Bulkley-Nechako	0.0	0.30	0.30	0.0	0.30
20	Fraser-Fort George	0.0	0.36	0.36	0.12	0.48
21	Peace River-Liard	0.0	0.44	0.44	0.0	0.44
22	Stikine	0.0	0.0	0.0	0.0	0.0
24	Cowichan Valley	0.0	0.0	0.0	0.21	0.21
25	Nanaimo	0.0	0.46	0.46	0.15	0.62
26	Alberni-Clayoquot	0.0	0.31	0.31	0.0	0.31
27	Comox-Strathcona	0.0	0.34	0.34	0.0	0.34
Metropolitan - Subtotal		0.13	0.60	0.73	0.05	0.77
13	Greater Vancouver	0.15	0.59	0.74	0.04	0.78
23	Capital	0.04	0.64	0.68	0.08	0.76
TOTAL		0.08	0.45	0.52	0.06	0.58

[1] Members of the British Columbia Speech and Hearing Association. Definitions are as in the attached text.

Prepared By:
Health Manpower Research Unit
University of B.C.

2. BIOMEDICAL ENGINEERS (MEMBERS)

Definition: "Biomedical Engineering - usually either graduate engineers, mostly in electrical engineering with graduate training and experience in the biomedical sciences; or graduate engineers working in the field of Biomedical Engineering. Can play the following roles: provide engineering supervision of the technical staff, manage educational programs for others in the staff, efficient use of equipment, provide engineering consultation, improvement or innovative design of equipment, conduct research." [1]

Date of Record: Location of home address as at December 1977.

Source of Data: A special listing of all persons known to be active in the biomedical field in British Columbia compiled by the Health Manpower Research Unit from lists provided by the Vancouver chapter of the Canadian Medical and Biological Engineering Society and the Hospital Consultation Division (B.C. Hospital Programs).

Preparation and Updating:

Registration in this field does not exist; the above mentioned lists were merged to eliminate duplications. The development of a provincial system of biomedical technology has been under study for some time in this province.

The tables are of members only with a B.C. address at the date of record.

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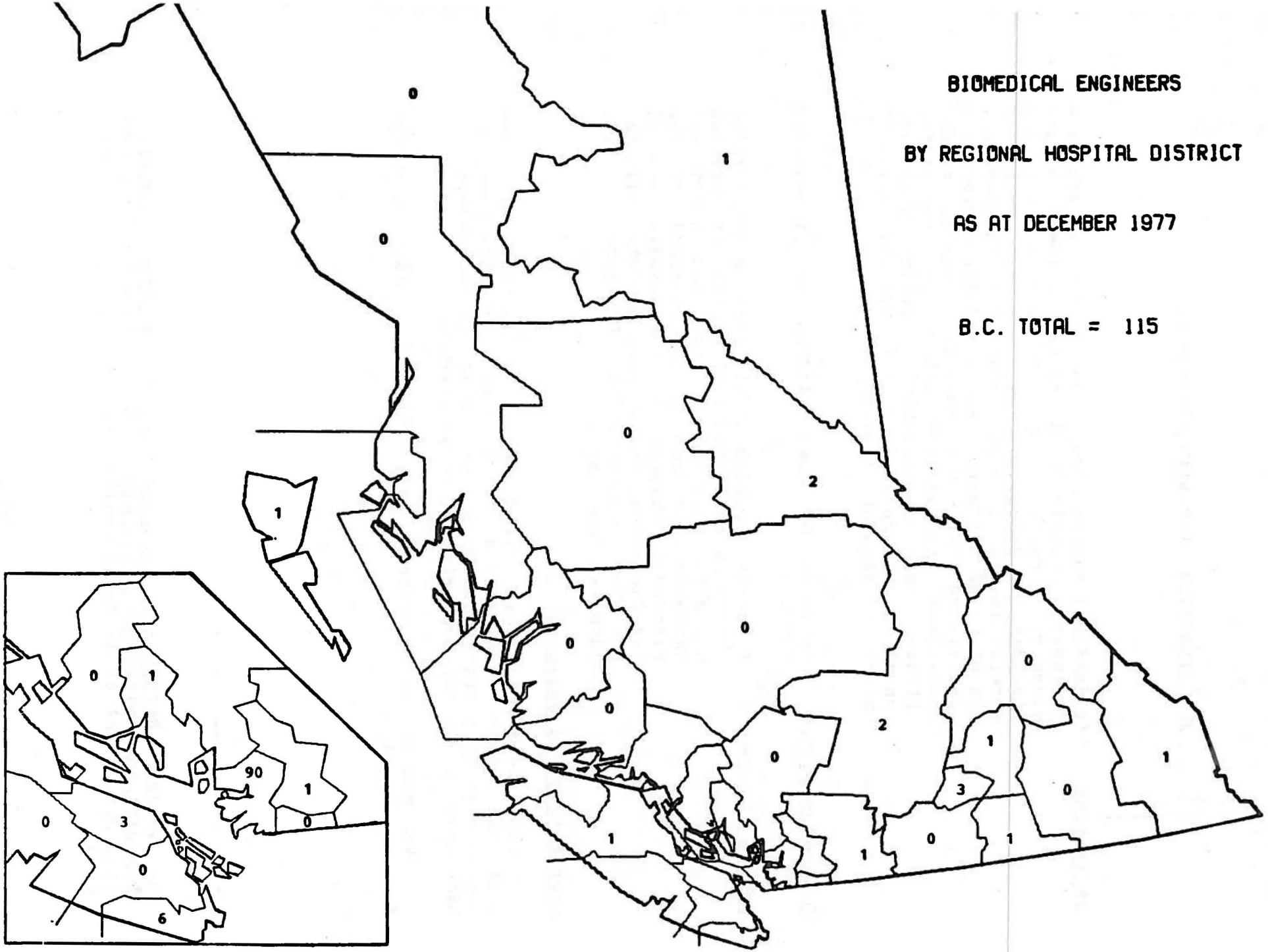
[1] B. Leung; Development in Biomedical Engineering in Canada - Manpower and Government Activities; Health Manpower Directorate, Department of National Health and Welfare; Ottawa; 1973; p. 3.


BIOMEDICAL ENGINEERS
BY REGIONAL HOSPITAL DISTRICT
AS AT DECEMBER 1977
B.C. TOTAL = 115
0
0
1
0
2
1
0
0
0
2
0
1
1
3
0
1
1
0
1
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6
90
1
0

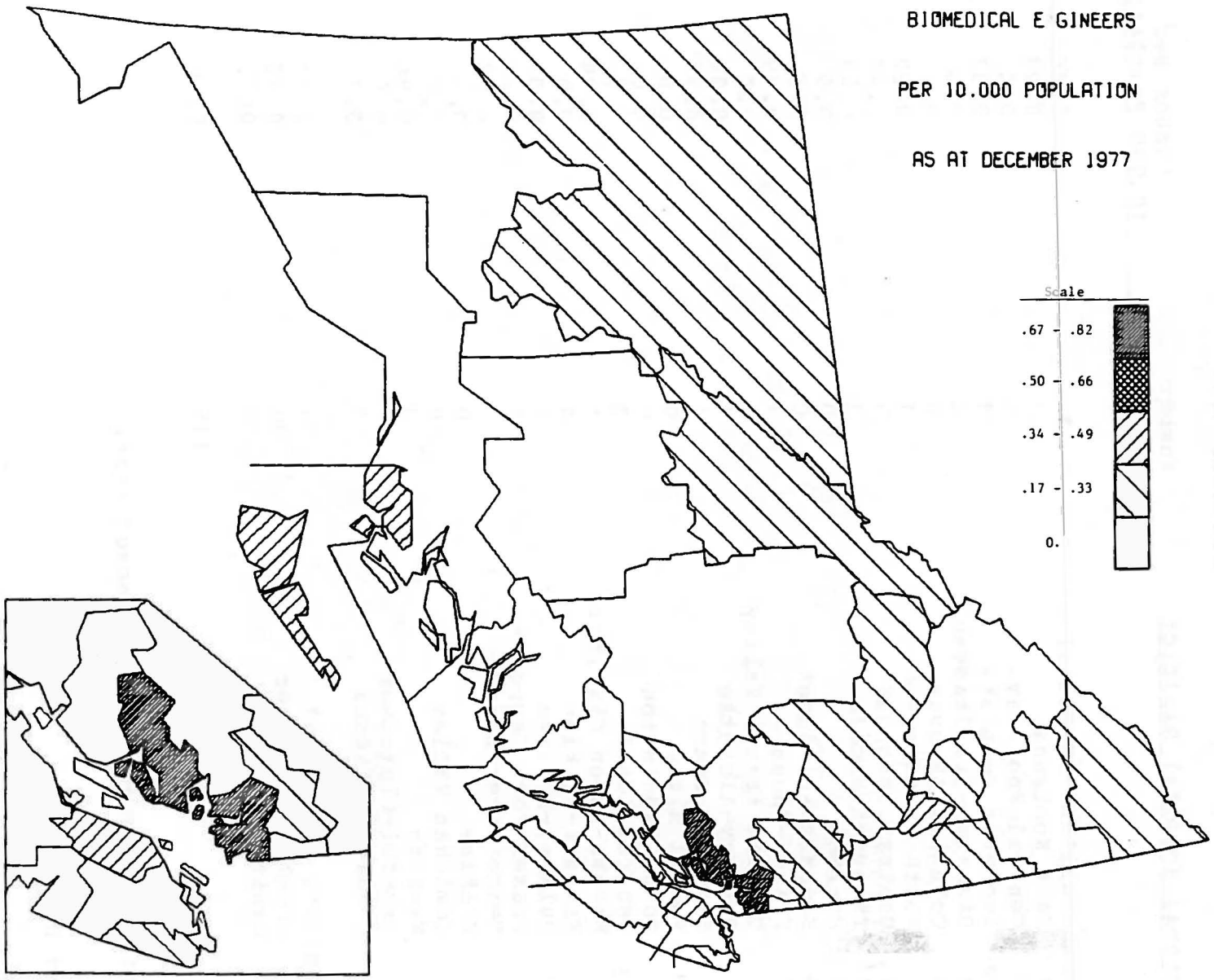
BIOMEDICAL E GINEERS
PER 10.000 POPULATION
AS AT DECEMBER 1977
Scale
.67 - .82
.50 - .66
.34 - .49
.17 - .33
0.

Table 1

Number of Biomedical Engineers[1] in British Columbia

by Regional Hospital District

as at December 1977

Regional Hospital District		Number	Number per 10,000 Population
Non-Metropolitan - Subtotal		19	0.16
1	East Kootenay	1	0.21
2	Central Kootenay	0	0.0
2a	Kootenay Boundary	1	0.31
3	Okanagan-Similkameen	0	0.0
4	Columbia-Shuswap	0	0.0
5	North Okanagan	1	0.20
6	Central Okanagan	3	0.40
7	Thompson-Nicola	2	0.21
8	Cariboo	0	0.0
9	Squamish-Lillooet	0	0.0
10	Fraser-Cheam	1	0.19
11	Central Fraser Valley	0	0.0
12	Dewdney-Alouette	1	0.18
14	Sunshine Coast	1	0.76
15	Powell River	0	0.0
16	Mount Waddington	0	0.0
16a	Central Coast	0	0.0
17	Skeena-Queen Charlotte	1	0.44
18	Kitimat-Stikine	0	0.0
19	Bulkley-Nechako	0	0.0
20	Fraser-Fort George	2	0.24
21	Peace River-Liard	1	0.22
22	Stikine	0	0.0
24	Cowichan Valley	0	0.0
25	Nanaimo	3	0.46
26	Alberni-Clayoquot	0	0.0
27	Comox-Strathcona	1	0.17
Metropolitan - Subtotal		96	0.72
13	Greater Vancouver	90	0.82
23	Capital	6	0.25
TOTAL		115	0.46

[1] Definitions are as in the attached text.

Prepared by:

Health Manpower Research Unit
University of B.C.

3. CHIROPRACTORS

Definition: "Treats illness, believed to be caused by pressure upon nervous system, by adjusting points of spine:
Determines extent of disorder by discussion, observation, and examination of patient, and use of diagnostic aids, such as electrocardiograph, X-ray and spinal analysis equipment. Adjusts position of displaced vertebrae or other involved articulations by manipulation supplemented by water, light or heat therapy. Prescribes treatment to be followed including corrective exercises and diet." [1]

Date of Record: Location of office as at January 1975 and January 1977 corresponding with the Registers issued by the British Columbia Chiropractic Association.

Source of Data: British Columbia Chiropractic Association.

Preparation and Updating:

Tables are of duly registered Chiropractors who are fully licensed and presumed fully practising and have a B.C. address at the date of record.

Duplicate offices are removed in these tables: if the Chiropractor has a duplicate office in more than one regional district, he has been arbitrarily assigned to the largest city.

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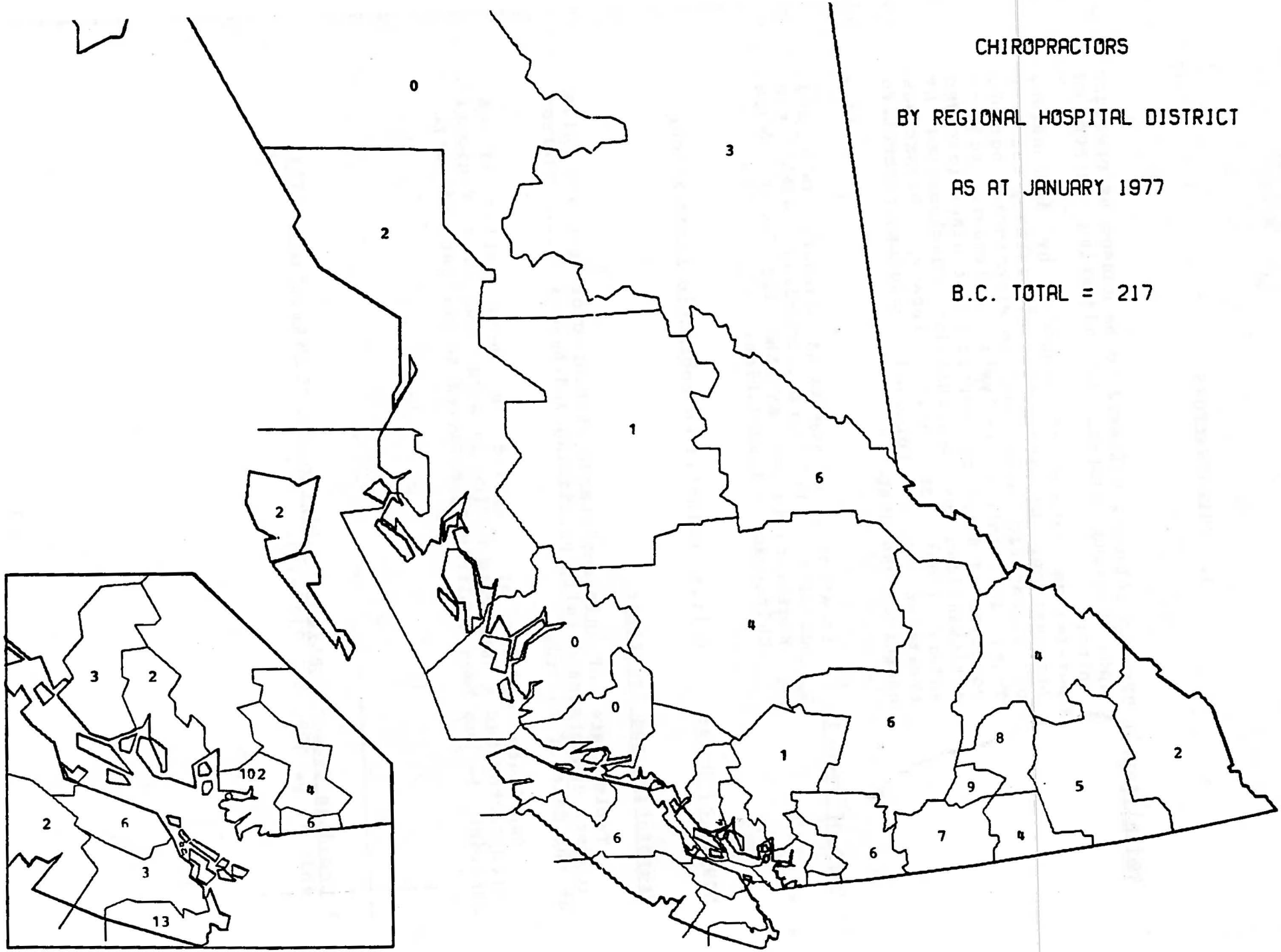
[1] Canadian Classification and Dictionary of Occupations 1971. vol. 1, p. 125, No. 3117-110.


CHIROPRACTORS
BY REGIONAL HOSPITAL DISTRICT
AS AT JANUARY 1977
B.C. TOTAL = 217
0
3
2
1
6
2
4
0
0
6
1
8
9
5
2
6
7
4
6
3
2
102
4
6
2
6
3
13

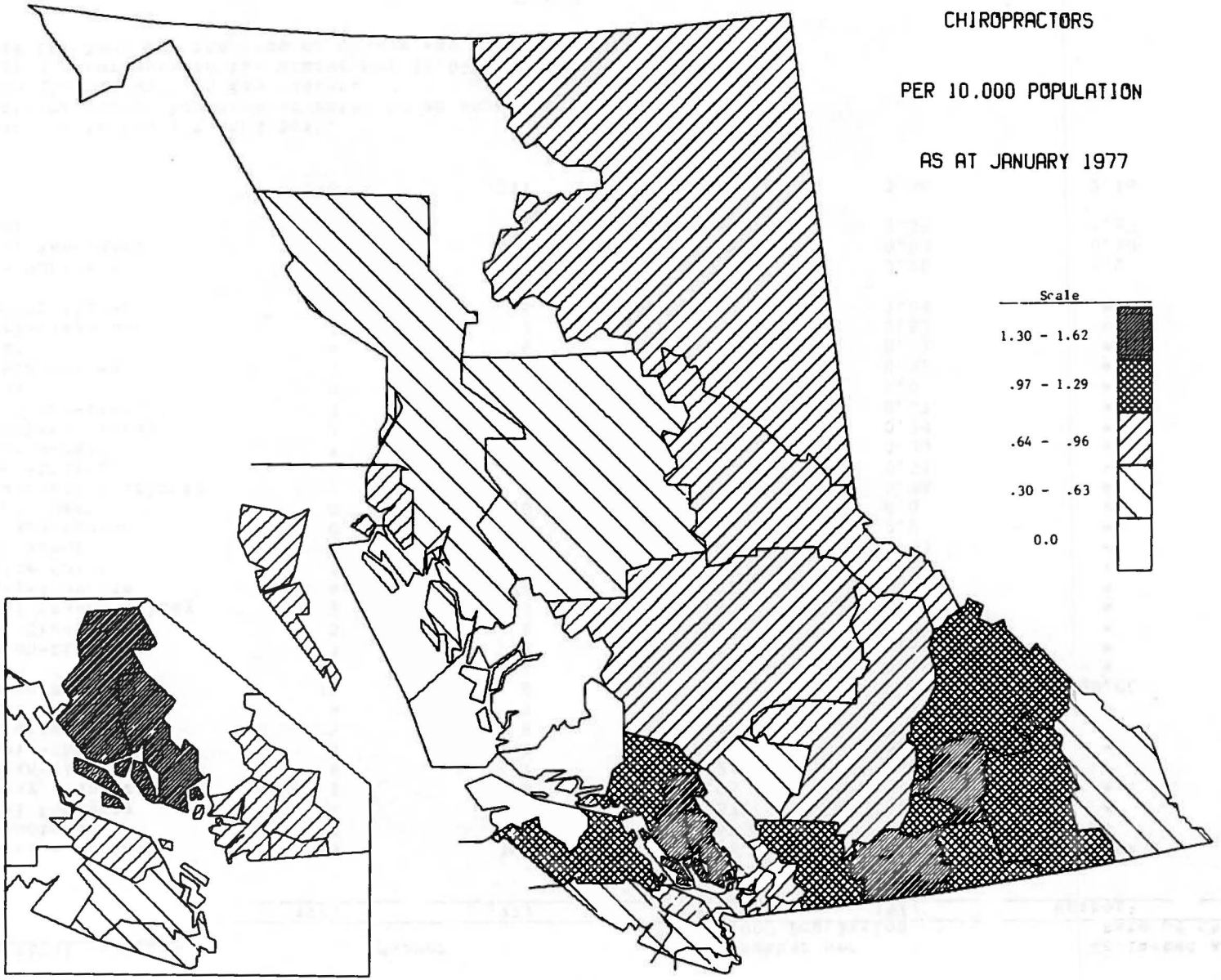

CHIROPRACTORS
PER 10,000 POPULATION
AS AT JANUARY 1977
Scale
1.30 - 1.62
.97 - 1.29
.64 - .96
.30 - .63
0.0

Table 1

Number of Chiropractors[1] in British Columbia by Regional Hospital District 1975 and 1977

Regional Hospital District	Number		Number per 10,000 Population		Estimated Annual Rate of Change[2]	
	1975	1977	1975	1977	Number[3]	Ratio[4]
Non-Metropolitan - Subtotal	93	102	0.84	0.86	4.84	1.17
1 East Kootenay	3	2	0.67	0.42	*	*
2 Central Kootenay	4	5	0.83	1.00	*	*
2a Kootenay Boundary	3	4	0.95	1.26	*	*
3 Okanagan-Similkameen	6	7	1.21	1.31	*	*
4 Columbia-Shuswap	3	4	0.87	1.09	*	*
5 North Okanagan	5	8	1.13	1.62	*	*
6 Central Okanagan	9	9	1.34	1.19	*	*
7 Thompson-Nicola	10	6	1.13	0.63	-20.00	-22.06
8 Cariboo	3	4	0.61	0.74	*	*
9 Squamish-Lillooet	1	1	0.66	0.61	*	*
10 Fraser-Cheam	5	6	0.99	1.14	*	*
11 Central Fraser Valley	7	6	0.85	0.64	*	*
12 Dewdney-Alouette	4	4	0.80	0.73	*	*
14 Sunshine Coast	1	2	0.84	1.53	*	*
15 Powell River	2	3	1.03	1.51	*	*
16 Mount Waddington	0	0	0.0	0.0	*	*
16a Central Coast	0	0	0.0	0.0	*	*
17 Skeena-Queen Charlotte	2	2	0.89	0.88	*	*
18 Kitimat-Stikine	0	2	0.0	0.51	*	*
19 Bulkley-Nechako	1	1	0.32	0.30	*	*
20 Fraser-Fort George	6	6	0.78	0.73	*	*
21 Peace River-Liard	3	3	0.67	0.67	*	*
22 Stikine	0	0	0.0	0.0	*	*
24 Cowichan Valley	3	3	0.66	0.62	*	*
25 Nanaimo	4	6	0.68	0.93	*	*
26 Alberni-Clayoquot	2	2	0.62	0.62	*	*
27 Comox-Strathcona	6	6	1.09	1.01	*	*
Metropolitan - Subtotal	115	115	0.89	0.86	0.0	-1.24
13 Greater Vancouver	101	102	0.94	0.93	0.50	-0.55
23 Capital	14	13	0.62	0.55	-3.57	-5.60
TOTAL	208	217	0.86	0.86	2.16	-0.17

[1] Definitions are as in the attached text.
[2] A two year rate of change has been adjusted to an annual figure.
[3] Rate of change (in percent) in the number.
[4] Rate of change (in percent) in the number per 10,000 population.
* Indicates that the base for the rate of change was less than 10.

Prepared by:

Health Manpower Research Unit
University of B.C.

4. CERTIFIED DENTAL ASSISTANTS

Definition: " In addition to routine direct assisting of a dentist or hygienist licensed to practise under the Dentistry Act, which may include the exposing and processing of dental radiographs, the application and removal of rubber dam and the administration of first aid, the following duties may be delegated to certified dental assistants under the personal supervision of a member of the College

(a) The polishing and cleaning of the clinical crowns of teeth with tooth brush or rubber cup in preparation for topical application of anticariogenic agents or finishing prophylaxes after the dentist, or hygienist, has completed the scaling;

(b) The topical application of anticariogenic agents;

(c) The taking of impressions for study models;

(d) Such other duties as may be determined from time to time by the Council." [1]

Date of Record: Location of home address as at September 1975 and September 1977.

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

Preparation and Updating:

Notification of new registrants or change in location is received by the Health Manpower Research Unit from the College of Dental Surgeons of B.C. on a monthly basis.

The tables are of Certified Dental Assistants who are registered and licensed by the College of Dental Surgeons and have a B.C. address at the date of record.

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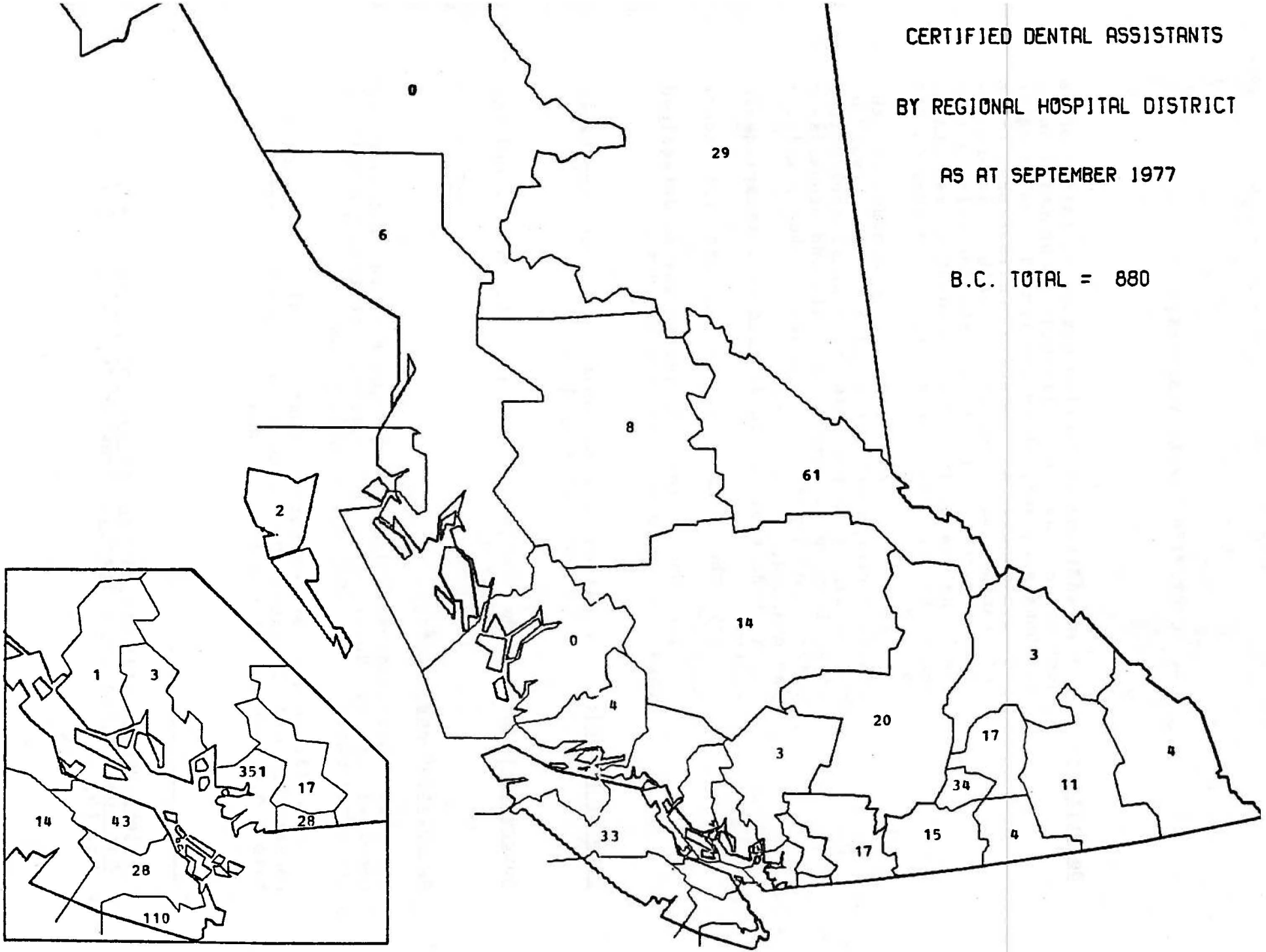
[1] Rules, Regulations and By-Laws of The College of Dental Surgeons of British Columbia, November 16, 1971. p. 2-C-10, No. 69.


CERTIFIED DENTAL ASSISTANTS
BY REGIONAL HOSPITAL DISTRICT
AS AT SEPTEMBER 1977
B.C. TOTAL = 880
0
29
6
8
61
2
14
0
4
3
20
3
17
4
34
11
33
17
15
4
1
3
351
17
14
43
28
28
110

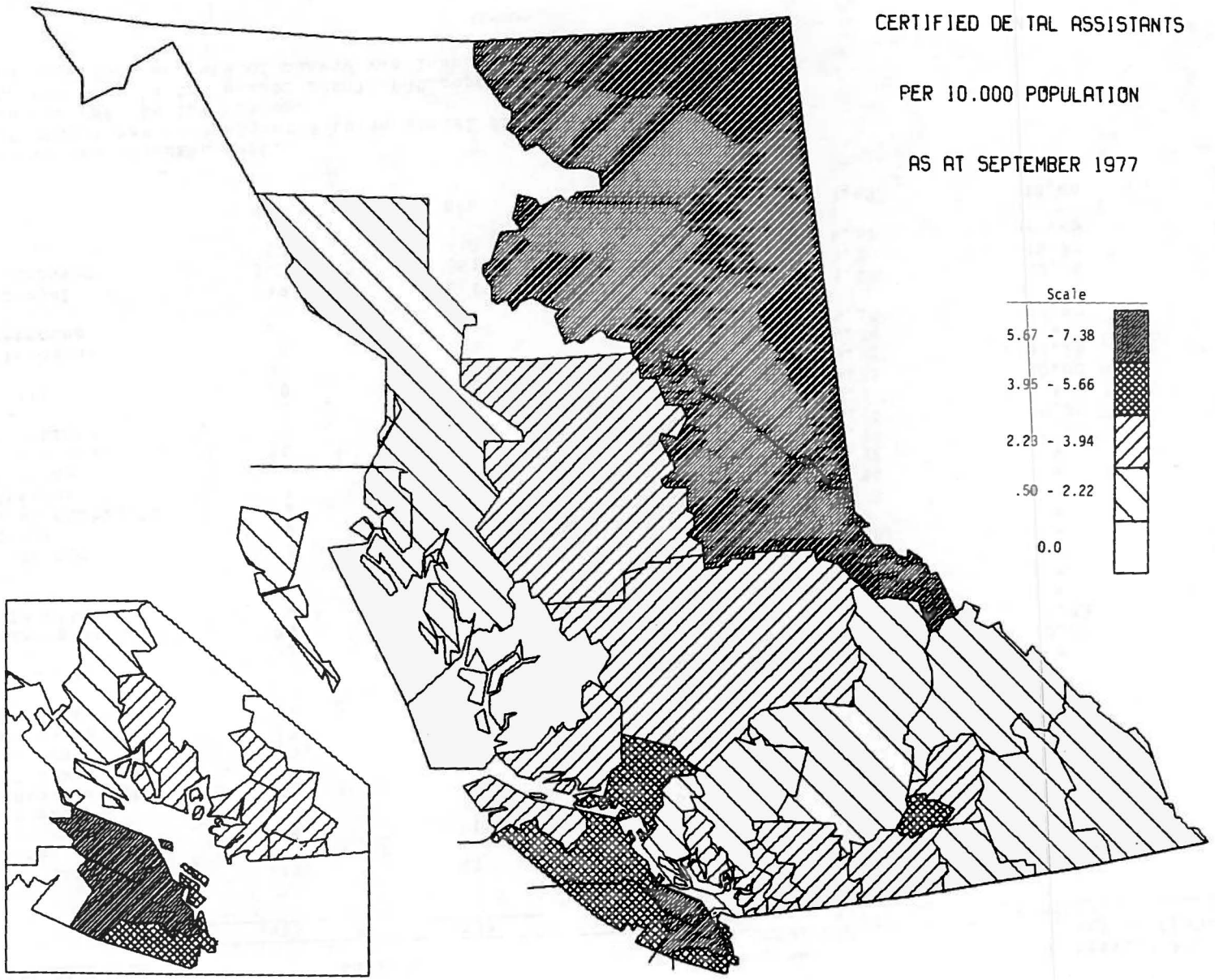

CERTIFIED DE TAL ASSISTANTS
PER 10.000 POPULATION
AS AT SEPTEMBER 1977
Scale
5.67 - 7.38
3.95 - 5.66
2.23 - 3.94
.50 - 2.22
0.0

Table 1

Number of Certified Dental Assistants[1] in British Columbia

by Regional Hospital District

1975 and 1977

Regional Hospital District		Number		Number per 10,000 Population		Estimated Annual Rate of Change[2]	
		1975	1977	1975	1977	Number[3]	Ratio[4]
Non-Metropolitan - Subtotal		315	419	2.84	3.52	16.51	12.06
1	East Kootenay	1	4	0.22	0.84	*	*
2	Central Kootenay	6	11	1.25	2.21	*	*
2a	Kootenay Boundary	5	4	1.58	1.26	*	*
3	Okanagan-Similkameen	15	15	3.01	2.82	0.0	-3.29
4	Columbia-Shuswap	7	3	2.02	0.82	*	*
5	North Okanagan	13	17	2.93	3.44	15.38	8.60
6	Central Okanagan	27	34	4.03	4.51	12.96	5.93
7	Thompson-Nicola	14	20	1.58	2.10	21.43	16.52
8	Cariboo	7	14	1.42	2.59	*	*
9	Squamish-Lillooet	1	3	0.66	1.84	*	*
10	Fraser-Cheam	12	17	2.38	3.24	20.83	17.97
11	Central Fraser Valley	26	28	3.17	2.98	3.85	-3.00
12	Dewdney-Alouette	8	17	1.60	3.10	*	*
14	Sunshine Coast	2	3	1.68	2.29	*	*
15	Powell River	1	1	0.51	0.50	*	*
16	Mount Waddington	2	4	1.66	3.10	*	*
16a	Central Coast	0	0	0.0	0.0	*	*
17	Skeena-Queen Charlotte	2	2	0.89	0.88	*	*
18	Kitimat-Stikine	8	6	2.08	1.54	*	*
19	Bulkley-Nechako	2	8	0.63	2.37	*	*
20	Fraser-Fort George	55	61	7.18	7.38	5.45	1.36
21	Peace River-Liard	17	29	3.81	6.44	35.29	34.65
22	Stikine	0	0	0.0	0.0	*	*
24	Cowichan Valley	20	28	4.40	5.75	20.00	15.34
25	Nanaimo	34	43	5.75	6.65	13.24	7.81
26	Alberni-Clayoquot	9	14	2.80	4.34	*	*
27	Comox-Strathcona	21	33	3.80	5.58	28.57	23.34
Metropolitan - Subtotal		319	461	2.46	3.46	22.26	20.46
13	Greater Vancouver	262	351	2.44	3.20	16.98	15.59
23	Capital	57	110	2.53	4.67	46.49	42.27
TOTAL		634	880	2.63	3.49	19.40	16.30

[1] Definitions are as in the attached text.
[2] A two year rate of change has been adjusted to an annual figure.
[3] Rate of change (in percent) in the number.
[4] Rate of change (in percent) in the number per 10,000 population.
* Indicates that the base for the rate of change was less than 10.

Prepared by:

Health Manpower Research Unit
University of B.C.

5. DENTAL HYGIENISTS

5. DENTAL HYGIENISTS

Definition: "The following duties may be delegated to dental hygienists under the direction of a member of the College:--

(a) the services of cleaning and polishing the natural and restored surfaces of the crowns of the teeth beginning at the epithelial attachment, including removal of stains and calcareous deposits;
(b) counselling, instruction and demonstration for the maintenance or improvement of dental health;
(c) administering first aid;
(d) exposing and processing dental radiographs;
(e) topical application of anticariogenic agents;
(f) examination and recording of the conditions of the oral cavity;
(g) applying emergency or temporary sedative dressings to hard or soft tissues;
(h) the production of study models, face-masks, preoperative pictures, etc.;
(i) the fabrication and fitting of removable prosthetic appliances including the necessary intra-oral procedures, but excluding diagnosis, treatment planning and surgery of the oral tissues;
(j) such other duties as may be determined from time to time by the Council;" [1]

Date of Record: Location of home address as at September 1975 and September 1977.

Source of Data: The College of Dental Surgeons of British Columbia, and the British Columbia Dental Hygienists' Association.

Preparation and Updating:

Notification of new registrants or change of address is received monthly by the Health Manpower Research Unit from the B.C.D.H.A. and the College of Dental Surgeons of B.C. These

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[1] Rules, Regulations and By-Laws of The College of Dental Surgeons of British Columbia, November 16, 1971. p. 2-C-7, No. 52.

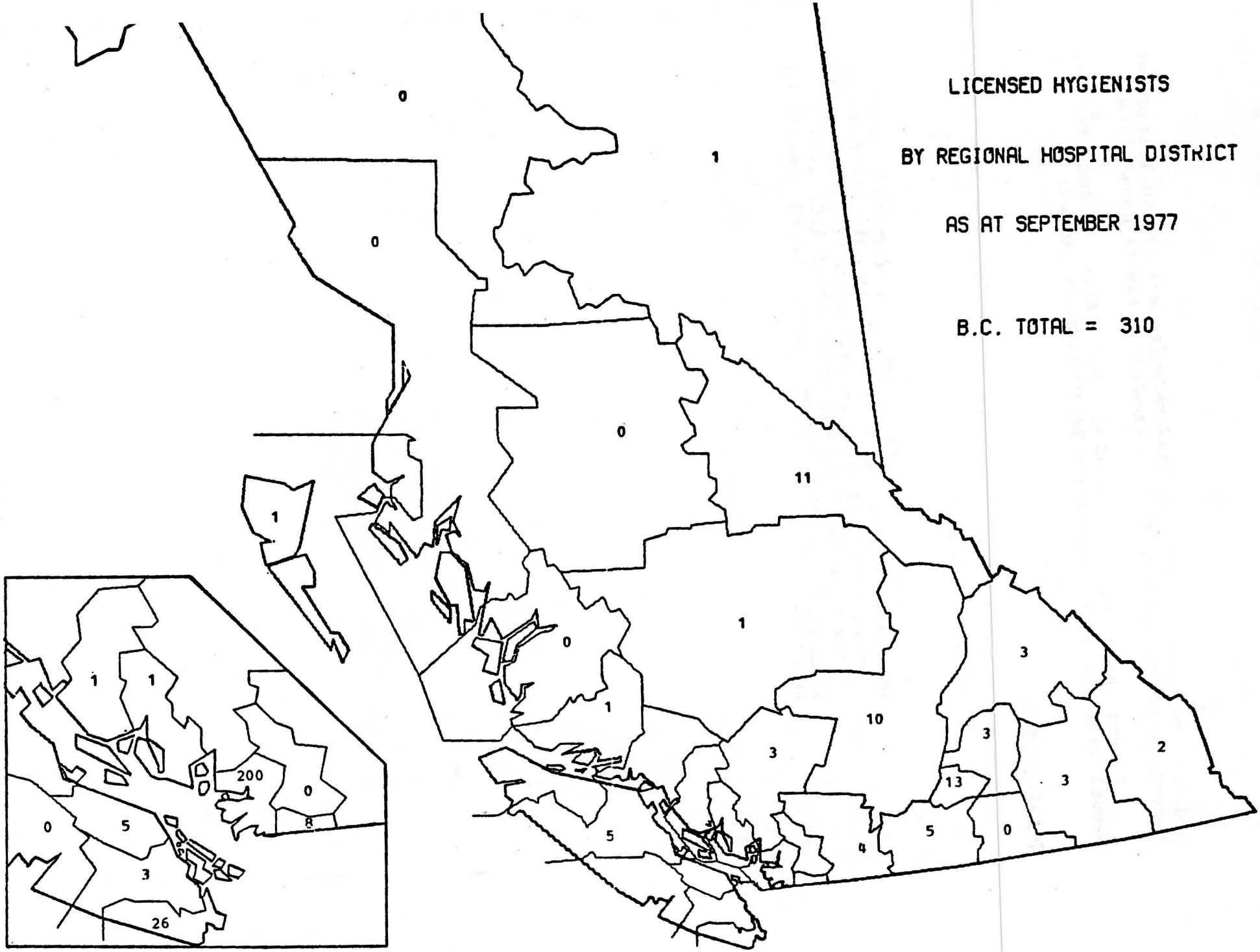
updates are entered, after careful editing and reconciliation of inconsistencies, into HYGFILE, a dynamic computer-based file.

Future updating of personal data will be done from an annual questionnaire distributed by Statistics Canada.

Definitions:

Registration Status

The tables include only registered Dental Hygienists with a B.C. address at the date of record; they therefore include both those licensed by the College of Dental Surgeons of B.C. and those not licensed, the latter group being unable to practice.


LICENSED HYGIENISTS
BY REGIONAL HOSPITAL DISTRICT
AS AT SEPTEMBER 1977
B.C. TOTAL = 310
0
1
0
0
11
1
1
0
1
3
10
3
3
2
13
3
5
4
5
0
1
1
200
0
0
5
8
3
26

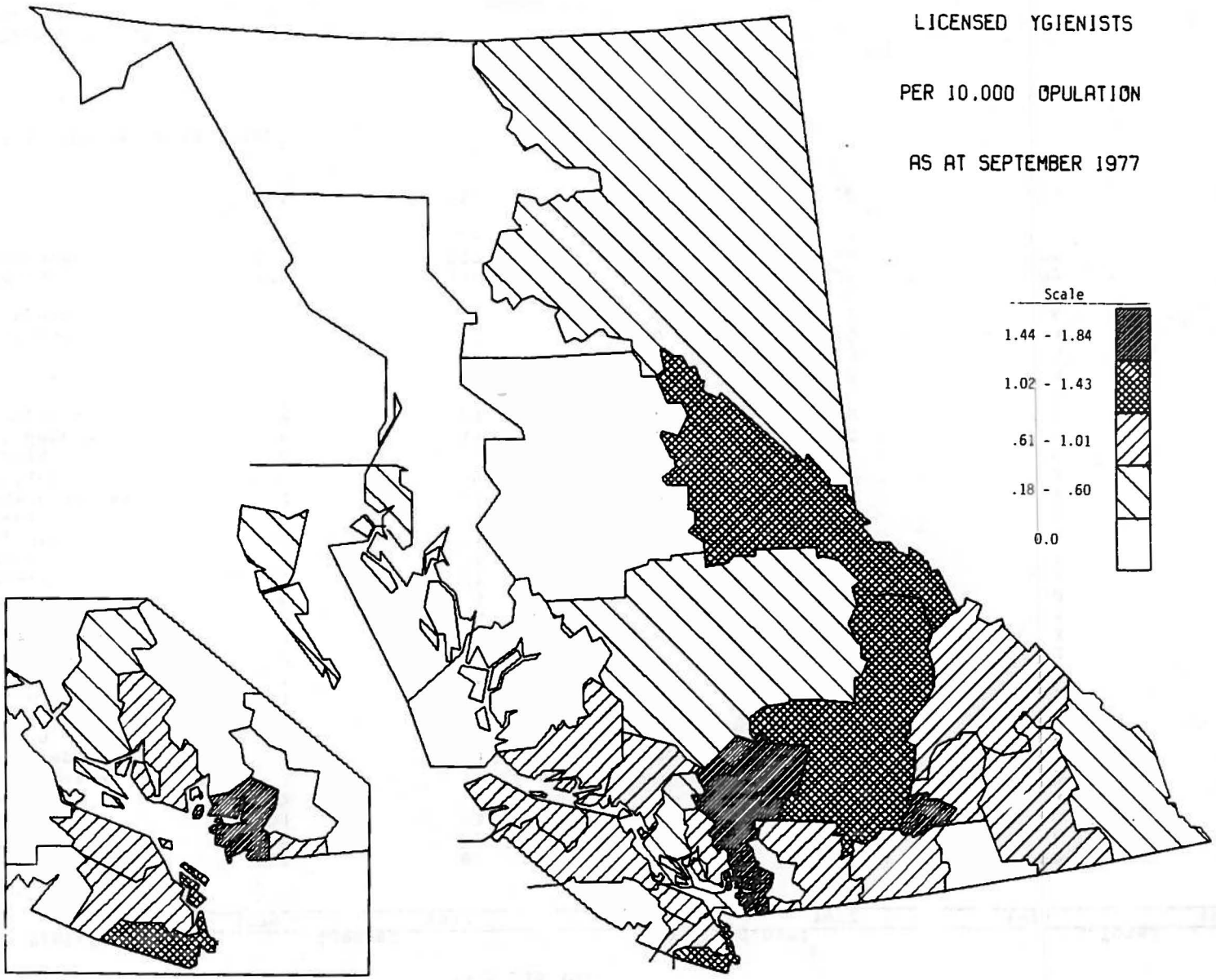

LICENSED YGIENISTS
PER 10,000 OPULATION
AS AT SEPTEMBER 1977
Scale
1.44 - 1.84
1.02 - 1.43
.61 - 1.01
.18 - .60
0.0

Table 1.1

Number of Registered Hygienists[1] in British Columbia by Registration Status by Regional Hospital District 1975 and 1977

Regional Hospital District	Licensed		Not Licensed		Total	
	1975	1977	1975	1977	1975	1977
Non-Metropolitan - Subtotal	70	84	7	18	77	102
1 East Kootenay	0	2	0	0	0	2
2 Central Kootenay	1	3	0	2	1	5
2a Kootenay Boundary	2	0	1	1	3	1
3 Okanagan-Similkameen	3	5	0	0	3	5
4 Columbia-Shuswap	1	3	0	0	1	3
5 North Okanagan	4	3	0	1	4	4
6 Central Okanagan	9	13	0	2	9	15
7 Thompson-Nicola	11	10	1	2	12	12
8 Cariboo	1	1	0	1	1	2
9 Squamish-Lillooet	2	3	1	0	3	3
10 Fraser-Cheam	3	4	0	2	3	6
11 Central Fraser Valley	7	8	1	1	8	9
12 Dewdney-Alouette	0	0	0	0	0	0
14 Sunshine Coast	1	1	0	0	1	1
15 Powell River	1	1	0	0	1	1
16 Mount Waddington	0	1	0	0	0	1
16a Central Coast	0	0	0	0	0	0
17 Skeena-Queen Charlotte	2	1	0	1	2	2
18 Kitimat-Stikine	2	0	0	0	2	0
19 Bulkley-Nechako	0	0	0	0	0	0
20 Fraser-Fort George	4	11	2	1	6	12
21 Peace River-Liard	2	1	0	0	2	1
22 Stikine	0	0	0	0	0	0
24 Cowichan Valley	3	3	0	0	3	3
25 Nanaimo	4	5	1	2	5	7
26 Alberni-Clayoquot	1	0	0	0	1	0
27 Comox-Strathcona	6	5	0	2	6	7
Metropolitan - Subtotal	193	226	9	20	202	246
13 Greater Vancouver	171	200	8	19	179	219
23 Capital	22	26	1	1	23	27
TOTAL	263	310	16	38	279	348

[1] Definitions are as in the attached text.

Prepared by:

Health Manpower Research Unit
University of B.C.

Table 1.2

Number of Registered Hygienists[1] in British Columbia

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

1975 and 1977

Regional Hospital District		Licensed		Not Licensed		Total	
		1975	1977	1975	1977	1975	1977
Non-Metropolitan - Subtotal		0.63	0.71	0.06	0.15	0.69	0.86
1	East Kootenay	0.0	0.42	0.0	0.0	0.0	0.42
2	Central Kootenay	0.21	0.60	0.0	0.40	0.21	1.00
2a	Kootenay Boundary	0.63	0.0	0.32	0.31	0.95	0.31
3	Okanagan-Similkameen	0.60	0.94	0.0	0.0	0.60	0.94
4	Columbia-Shuswap	0.29	0.82	0.0	0.0	0.29	0.82
5	North Okanagan	0.90	0.61	0.0	0.20	0.90	0.81
6	Central Okanagan	1.34	1.72	0.0	0.27	1.34	1.99
7	Thompson-Nicola	1.24	1.05	0.11	0.21	1.35	1.26
8	Cariboo	0.20	0.18	0.0	0.18	0.20	0.37
9	Squamish-Lillooet	1.31	1.84	0.66	0.0	1.97	1.84
10	Fraser-Cheam	0.60	0.76	0.0	0.38	0.60	1.14
11	Central Fraser Valley	0.85	0.85	0.12	0.11	0.98	0.96
12	Dewdney-Alouette	0.0	0.0	0.0	0.0	0.0	0.0
14	Sunshine Coast	0.84	0.76	0.0	0.0	0.84	0.76
15	Powell River	0.51	0.50	0.0	0.0	0.51	0.50
16	Mount Waddington	0.0	0.78	0.0	0.0	0.0	0.78
16a	Central Coast	0.0	0.0	0.0	0.0	0.0	0.0
17	Skeena-Queen Charlotte	0.89	0.44	0.0	0.44	0.89	0.88
18	Kitimat-Stikine	0.52	0.0	0.0	0.0	0.52	0.0
19	Bulkley-Nechako	0.0	0.0	0.0	0.0	0.0	0.0
20	Fraser-Fort George	0.52	1.33	0.26	0.12	0.78	1.45
21	Peace River-Liard	0.45	0.22	0.0	0.0	0.45	0.22
22	Stikine	0.0	0.0	0.0	0.0	0.0	0.0
24	Cowichan Valley	0.66	0.62	0.0	0.0	0.66	0.62
25	Nanaimo	0.68	0.77	0.17	0.31	0.85	1.08
26	Alberni-Clayoquot	0.31	0.0	0.0	0.0	0.31	0.0
27	Comox-Strathcona	1.09	0.85	0.0	0.34	1.09	1.18
Metropolitan - Subtotal		1.49	1.70	0.07	0.15	1.55	1.85
13	Greater Vancouver	1.59	1.82	0.07	0.17	1.67	2.00
23	Capital	0.98	1.10	0.04	0.04	1.02	1.15
TOTAL		1.09	1.23	0.07	0.15	1.16	1.38

[1] Definitions are as in the attached text.

Prepared by:

Health Manpower Research Unit
University of B.C.

Table 1.3 Estimated Annual Rate of Change[4]; Registered Hygienists[1]

in British Columbia by Registration Status by Regional Hospital District

from 1975 to 1977

Regional Hospital District	Licensed		Not Licensed		Total	
	Number[2]	Ratio[3]	Number[2]	Ratio[3]	Number[2]	Ratio[3]
Non-Metropolitan - Subtotal	10.00	5.98	*	*	16.23	11.80
1 East Kootenay	*	*	*	*	*	*
2 Central Kootenay	*	*	*	*	*	*
2a Kootenay Boundary	*	*	*	*	*	*
3 Okanagan-Similkameen	*	*	*	*	*	*
4 Columbia-Shuswap	*	*	*	*	*	*
5 North Okanagan	*	*	*	*	*	*
6 Central Okanagan	*	*	*	*	*	*
7 Thompson-Nicola	-4.55	-7.67	*	*	0.0	-3.43
8 Cariboo	*	*	*	*	*	*
9 Squamish-Lillooet	*	*	*	*	*	*
10 Fraser-Cheam	*	*	*	*	*	*
11 Central Fraser Valley	*	*	*	*	*	*
12 Dewdney-Alouette	*	*	*	*	*	*
14 Sunshine Coast	*	*	*	*	*	*
15 Powell River	*	*	*	*	*	*
16 Mount Waddington	*	*	*	*	*	*
16a Central Coast	*	*	*	*	*	*
17 Skeena-Queen Charlotte	*	*	*	*	*	*
18 Kitimat-Stikine	*	*	*	*	*	*
19 Bulkley-Nechako	*	*	*	*	*	*
20 Fraser-Fort George	*	*	*	*	*	*
21 Peace River-Liard	*	*	*	*	*	*
22 Stikine	*	*	*	*	*	*
24 Cowichan Valley	*	*	*	*	*	*
25 Nanaimo	*	*	*	*	*	*
26 Alberni-Clayoquot	*	*	*	*	*	*
27 Comox-Strathcona	*	*	*	*	*	*
Metropolitan - Subtotal	8.55	7.10	*	*	10.89	9.38
13 Greater Vancouver	8.48	7.27	*	*	11.17	9.90
23 Capital	9.09	6.51	*	*	8.70	6.13
TOTAL	8.94	6.30	68.75	63.44	12.37	9.58

[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.
[4] A two year rate of change has been adjusted to an annual figure.
* Indicates that the base for the rate of change was less than 10.

Prepared by:

Health Manpower Research Unit
University of B.C.

6. DENTAL LABORATORY TECHNICIANS

Definition: The services which a dental laboratory technician is licensed to perform are defined in the Dental Technicians Act and are distinct from those of a dental mechanic in that, among other services, they do perform certain services authorized by a prescription.

A dental laboratory techician may be licensed to perform the following services:

"(a) to make, produce, reproduce, construct, furnish, supply, alter, and repair a prosthetic denture, bridge, appliance, or thing to be used in, upon, in connection with or in the treatment of any human tooth, jaw, or associated structure or tissue for any person to the extent authorized by a prescription for that person, or to the extent authorized by such a prescription to engage in any one or more of those activities; or

(b) where the repairs or replacement can be effected without intra-oral procedures or the taking of impressions, to make structural repairs to any removable dental prosthesis, or to replace teeth in a denture without a prescription;

or both." [1]

Date of Record: Location of office as at August 1975 and August 1977.

Source of Data: Dental Technicians Board.

Preparation and Updating:

All Dental Laboratory Technicians are registered and must be licensed annually by the Dental Technicians Board in order to practice in B.C. The tables are of duly licensed Dental Laboratory Technicians with a B.C. address at the date of record.

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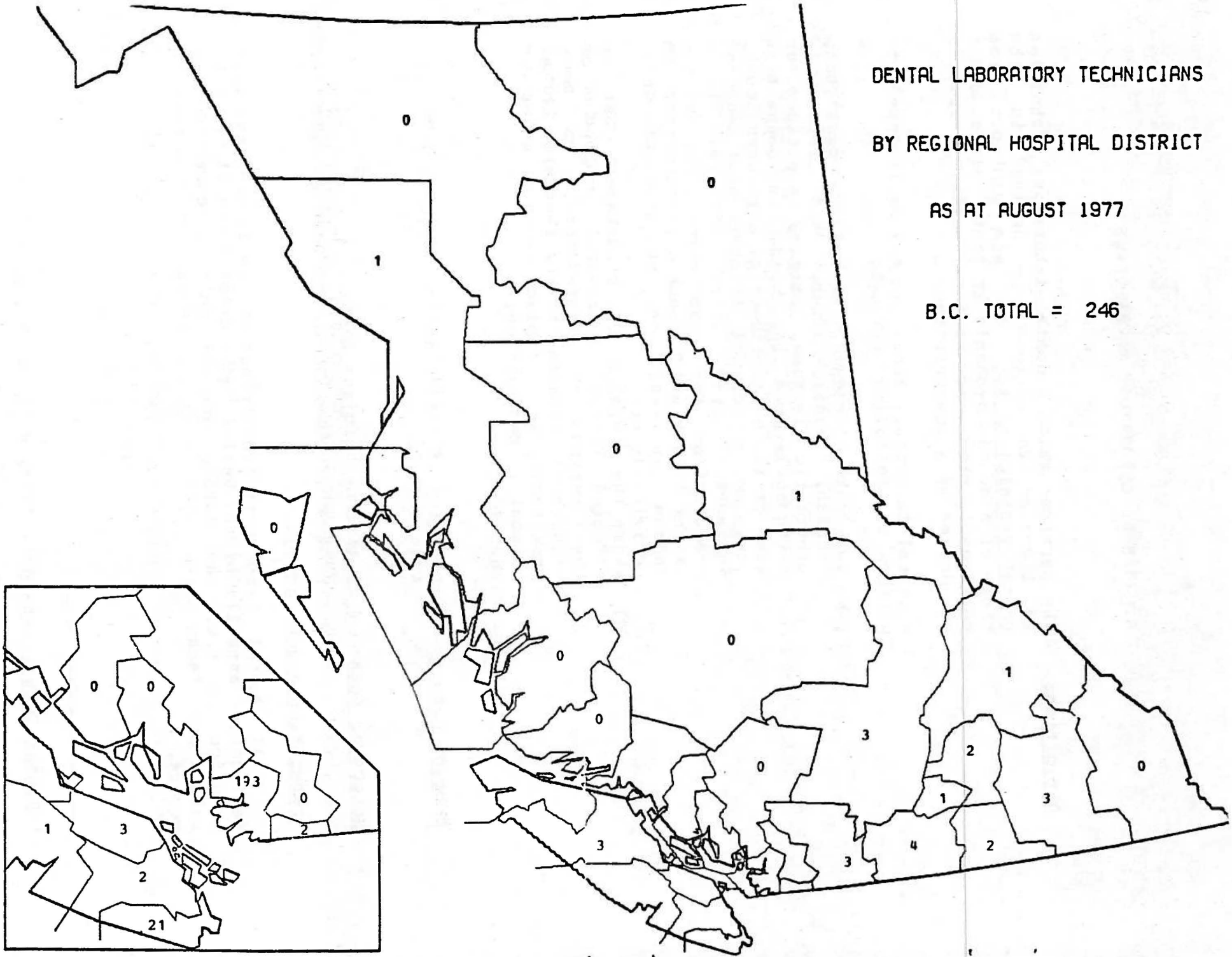
[1] Dental Technicians Act. 1958, c.13. s. 1., p. 1072-2.


DENTAL LABORATORY TECHNICIANS
BY REGIONAL HOSPITAL DISTRICT
AS AT AUGUST 1977
B.C. TOTAL = 246
0
0
1
0
1
0
0
0
0
0
0
0
1
3
2
1
3
0
3
3
4
2
193
0
1
3
2
2
21

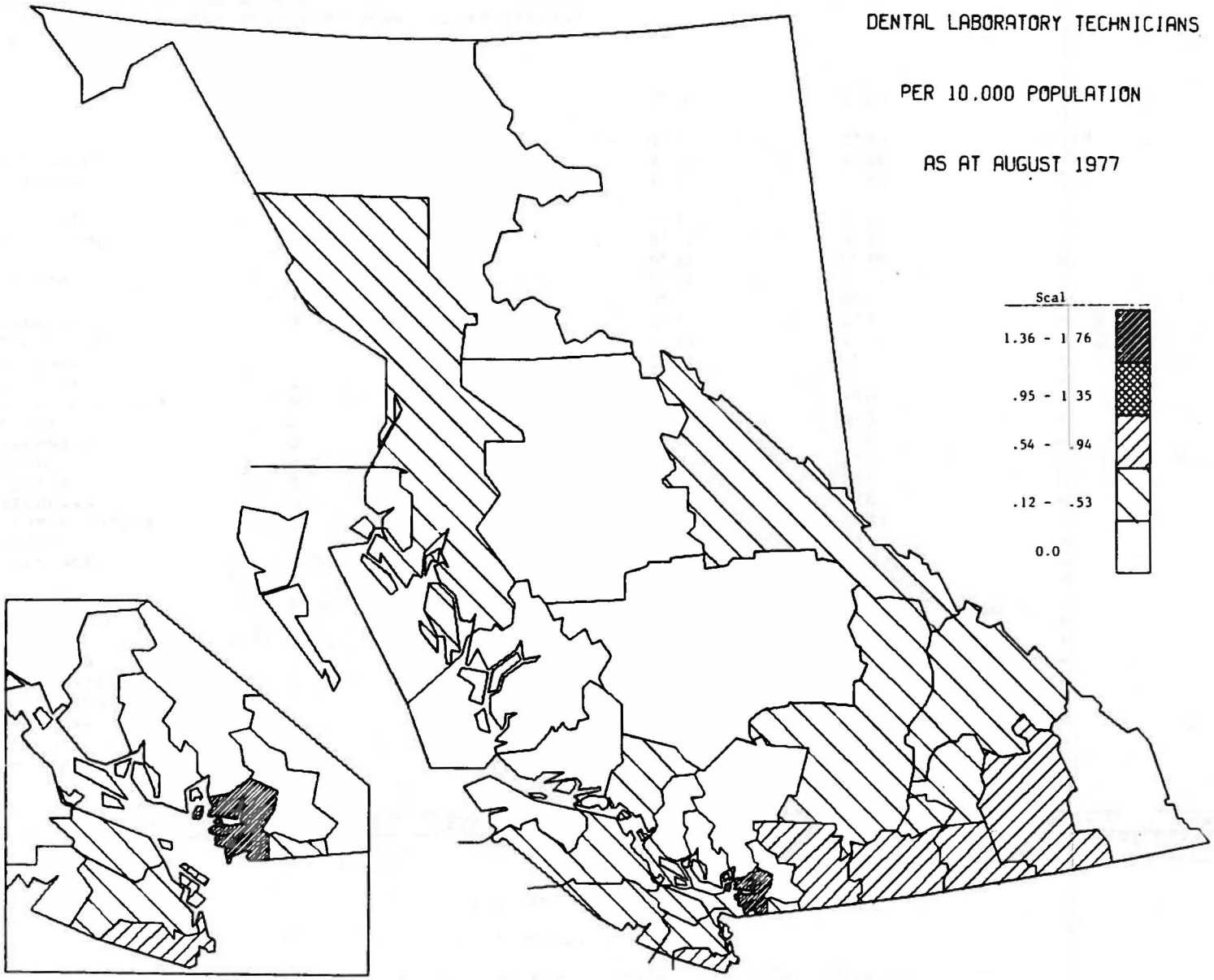

DENTAL LABORATORY TECHNICIANS
PER 10,000 POPULATION
AS AT AUGUST 1977
Scal
1.36 - 1 76
.95 - 1 35
.54 - .94
.12 - .53
0.0

Table 1

Number of Dental Laboratory Technicians[1] in British Columbia

by Regional Hospital District

1975 and 1977

Regional Hospital District		Number		Number per 10,000 Population		Estimated Annual Rate of Change[2]	
		1975	1977	1975	1977	Number[3]	Ratio[4]
Non-Metropolitan - Subtotal		36	32	0.32	0.27	-5.56	-8.53
1	East Kootenay	0	0	0.0	0.0	*	*
2	Central Kootenay	3	3	0.62	0.60	*	*
2a	Kootenay Boundary	2	2	0.63	0.63	*	*
3	Okanagan-Similkameen	4	4	0.80	0.75	*	*
4	Columbia-Shuswap	1	1	0.29	0.27	*	*
5	North Okanagan	2	2	0.45	0.40	*	*
6	Central Okanagan	2	1	0.30	0.13	*	*
7	Thompson-Nicola	4	3	0.45	0.31	*	*
8	Cariboo	0	0	0.0	0.0	*	*
9	Squamish-Lillooet	0	0	0.0	0.0	*	*
10	Fraser-Cheam	3	3	0.60	0.57	*	*
11	Central Fraser Valley	0	2	0.0	0.21	*	*
12	Dewdney-Alouette	0	0	0.0	0.0	*	*
14	Sunshine Coast	0	0	0.0	0.0	*	*
15	Powell River	0	0	0.0	0.0	*	*
16	Mount Waddington	0	0	0.0	0.0	*	*
16a	Central Coast	0	0	0.0	0.0	*	*
17	Skeena-Queen Charlotte	0	0	0.0	0.0	*	*
18	Kitimat-Stikine	1	1	0.26	0.26	*	*
19	Bulkley-Nechako	0	0	0.0	0.0	*	*
20	Fraser-Fort George	3	1	0.39	0.12	*	*
21	Peace River-Liard	0	0	0.0	0.0	*	*
22	Stikine	0	0	0.0	0.0	*	*
24	Cowichan Valley	2	2	0.44	0.41	*	*
25	Nanaimo	3	3	0.51	0.46	*	*
26	Alberni-Clayoquot	1	1	0.31	0.31	*	*
27	Comox-Strathcona	5	3	0.91	0.51	*	*
Metropolitan - Subtotal		201	214	1.55	1.61	3.23	1.91
13	Greater Vancouver	178	193	1.66	1.76	4.21	3.09
23	Capital	23	21	1.02	0.89	-4.35	-6.35
TOTAL		237	246	0.98	0.98	1.90	-0.42

[1] Definitions are as in the attached text.
[2] A two year rate of change has been adjusted to an annual figure.
[3] Rate of change (in percent) in the number.
[4] Rate of change (in percent) in the number per 10,000 population.
* Indicates that the base for the rate of change was less than 10.

Prepared by:

Health Manpower Research Unit
University of B.C.

7. DENTAL MECHANICS

Definition: The services which a dental mechanic is licensed to perform are defined in the Dental Technicians Act and are distinct from those of a dental laboratory technician in that, among other services, they do perform certain services after receipt of a "Certificate of Oral Health" for the patient, signed by a Dentist or Physician.

A dental mechanic may be licensed to perform the following services:

"(a) to make, repair, reline, replace, or furnish upper or lower full dentures, or both, and carry out the necessary non-surgical intra-oral procedures, including the taking of impressions necessary therefor, without a prescription, or to engage in any one or more of those activities, but only

(i) if he has received from the person for whom the service or services is or are to be performed a certificate in Form A of the Schedule, completed and signed by a dentist or duly qualified medical practitioner; and

(ii) within seven days of the date of inspection of the oral cavity of the person by the dentist or duly qualified medical practitioner as shown on the certificate; or

(b) to make structural repairs to any removable dental prosthesis, or to replace teeth in a denture without a certificate in Form A of the Schedule where the repairs or replacement can be effected without intra-oral procedures or the taking of impressions." [1]

Date of Record: Location of office as at August 1975 and August 1977.

Source of Data: Dental Technicians Board.

Preparation and Updating:

All Dental Mechanics are registered and must be licensed annually by the Dental Technicians Board in order to practice in B.C. The tables are of duly licensed Dental Mechanics with a B.C. address at the date of record.

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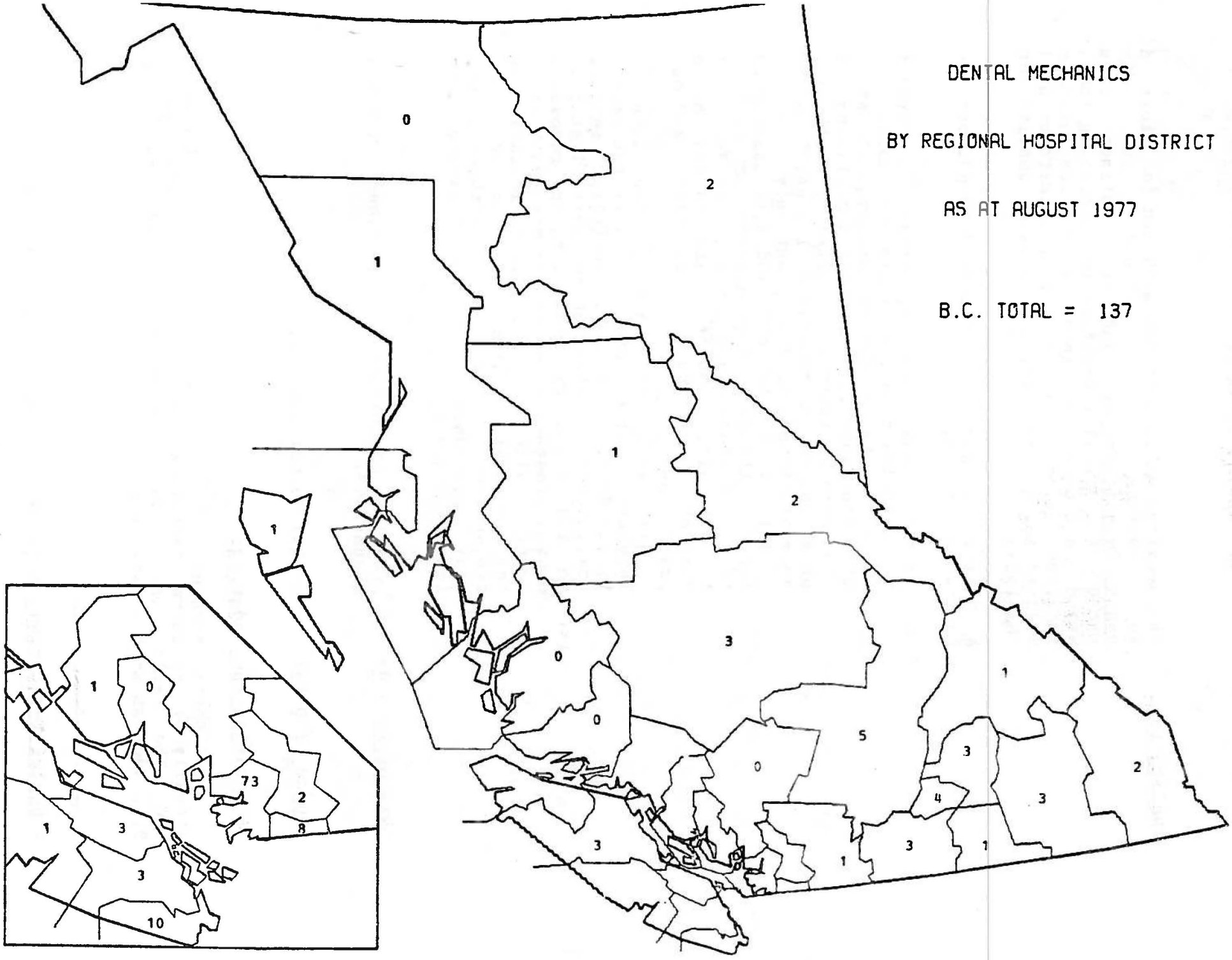
[1] Dental Technicians Act. 1958, c.13, s. 1., p. 1072-2.


DENTAL MECHANICS
BY REGIONAL HOSPITAL DISTRICT
AS AT AUGUST 1977
B.C. TOTAL = 137
0
1
2
1
2
1
3
0
0
0
5
1
3
4
3
2
3
1
3
1
1
0
1
3
3
10
73
2
8

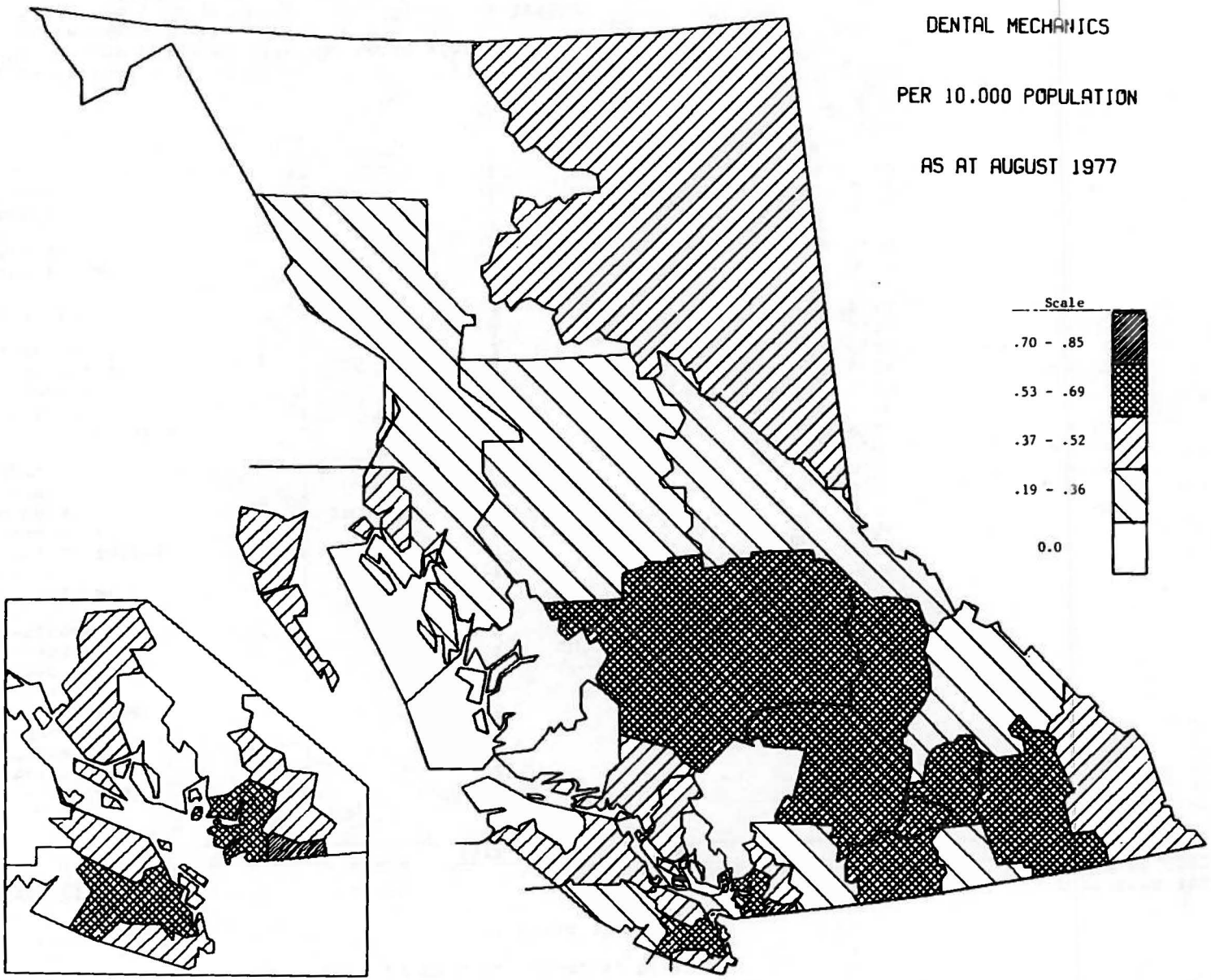

DENTAL MECHANICS
PER 10.000 POPULATION
AS AT AUGUST 1977
Scale
.70 - .85
.53 - .69
.37 - .52
.19 - .36
0.0

Table 1

Number of Dental Mechanics[1] in British Columbia

by Regional Hospital District

1975 and 1977

Regional Hospital District		Number		Number per 10,000 Population		Estimated Annual Rate of Change[2]	
		1975	1977	1975	1977	Number[3]	Ratio[4]
Non-Metropolitan - Subtotal		49	54	0.44	0.45	5.10	1.41
1	East Kootenay	2	2	0.44	0.42	*	*
2	Central Kootenay	3	3	0.62	0.60	*	*
2a	Kootenay Boundary	1	1	0.32	0.31	*	*
3	Okanagan-Similkameen	4	3	0.80	0.56	*	*
4	Columbia-Shuswap	1	1	0.29	0.27	*	*
5	North Okanagan	3	3	0.68	0.61	*	*
6	Central Okanagan	4	4	0.60	0.53	*	*
7	Thompson-Nicola	4	5	0.45	0.52	*	*
8	Cariboo	1	3	0.20	0.55	*	*
9	Squamish-Lillooet	0	0	0.0	0.0	*	*
10	Fraser-Cheam	1	1	0.20	0.19	*	*
11	Central Fraser Valley	6	8	0.73	0.85	*	*
12	Dewdney-Alouette	2	2	0.40	0.36	*	*
14	Sunshine Coast	0	0	0.0	0.0	*	*
15	Powell River	1	1	0.51	0.50	*	*
16	Mount Waddington	0	0	0.0	0.0	*	*
16a	Central Coast	0	0	0.0	0.0	*	*
17	Skeena-Queen Charlotte	1	1	0.44	0.44	*	*
18	Kitimat-Stikine	1	1	0.26	0.26	*	*
19	Bulkley-Nechako	1	1	0.32	0.30	*	*
20	Fraser-Fort George	2	2	0.26	0.24	*	*
21	Peace River-Liard	2	2	0.45	0.44	*	*
22	Stikine	0	0	0.0	0.0	*	*
24	Cowichan Valley	3	3	0.66	0.62	*	*
25	Nanaimo	3	3	0.51	0.46	*	*
26	Alberni-Clayoquot	1	1	0.31	0.31	*	*
27	Comox-Strathcona	2	3	0.36	0.51	*	*
Metropolitan - Subtotal		85	83	0.65	0.62	-1.18	-2.39
13	Greater Vancouver	72	73	0.67	0.67	0.69	-0.36
23	Capital	13	10	0.58	0.42	-11.54	-13.22
TOTAL		134	137	0.56	0.54	1.12	-1.17

[1] Definitions are as in the attached text.
[2] A two year rate of change has been adjusted to an annual figure.
[3] Rate of change (in percent) in the number.
[4] Rate of change (in percent) in the number per 10,000 population.
* Indicates that the base for the rate of change was less than 10.

Prepared by:

Health Manpower Research Unit
University of B.C.

8. DENTISTS

8. DENTISTS

Definition: "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 supporting structures to determine condition, using mouth mirror, explorers, X-ray and other diagnostic equipment, and plans treatment. Cleans teeth, prepares and fills cavities with materials; such as, amalgam, gold, porcelain, and plastic, using rotary and other instruments. Replaces portion of tooth crown by inlay or artificial crown. Performs minor oral surgery, including extractions of erupted or impacted teeth, using special instruments and appliances. Administers general or local anaesthesia as required. Takes impression of dental arch, and designs, constructs, or has dental technician construct bridge work and partial or complete dentures to specifications. Controls the eruption pattern of permanent teeth. Instructs patients in oral hygiene. Refers complex cases to specialists." [1]

Date of Record: Location and personal data as at September 1975 and September 1977.

Source of Data: The College of Dental Surgeons of British Columbia, and the Medical Services Commission of British Columbia.

Preparation and Updating:

Notification of new registrants or change in location or type of registration is received by the Health Manpower Research Unit from the College of Dental Surgeons of B.C. on a monthly basis. Monthly printouts on billing status and specialty are received from the Medical Services Commission. These updates are entered, after careful editing and reconciliation of inconsistencies, into DENTFILE, a dynamic computer-based file .

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[1] Canadian Classification and Dictionary of Occupations 1971 vol. 1, p. 124, No. 3113-134.

Definitions:

1. Addresses

The addresses shown are those published in the Directory issued by the College of Dental Surgeons; addresses are mainly of the principal office.

2. Licensed Dentists

Licensed dentists have been registered at the College of Dental Surgeons of B.C. and have paid their annual dues. On the date of record, they have a B.C. address and are legally licensed to practise dentistry. A small number of Dentists are included who, while registered and licensed, wish to be inactive for a period of time. Further, a small number of Dentists in the Armed Forces who are stationed in B.C. may be omitted as they have been licensed in another province.

3. Specialty

Licensed Dentists are allocated to the specialty in which they have been certified by the College of Dental Surgeons.

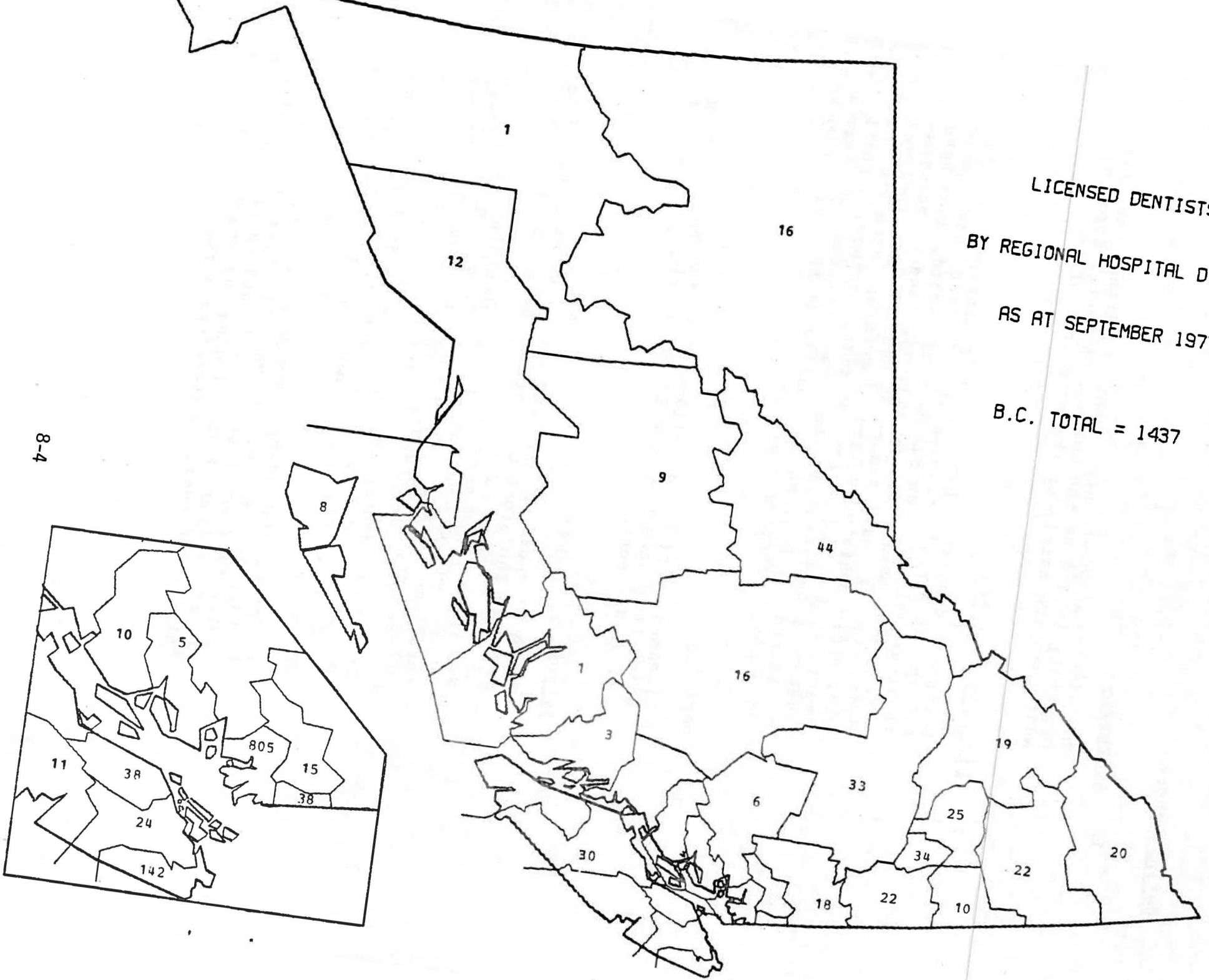
4. Analysis of Change

Table 5 shows the dynamic forces which operated to increase the stock of dentists from 1975 to 1977.

New registrants are recorded according to their place of graduation i.e., from U.B.C., Other Canadian Schools ("O.Can"), the United States ("U.S.A."), or "Other".

Attrition ("Attr'n") indicates those dentists who, because of death, retirement or non-renewal of licensure, did not appear in the 1977 dentist stock.

Migration ("Migr'n") describes the net effect of intraprovincial migration: it shows the Regional Districts which lost dentists and those that gained at the expense of the losing districts. The net "Migration" total is therefore zero.



LICENSED DENTISTS

BY REGIONAL HOSPITAL DISTRICT

AS AT SEPTEMBER 1977

B.C. TOTAL = 1437

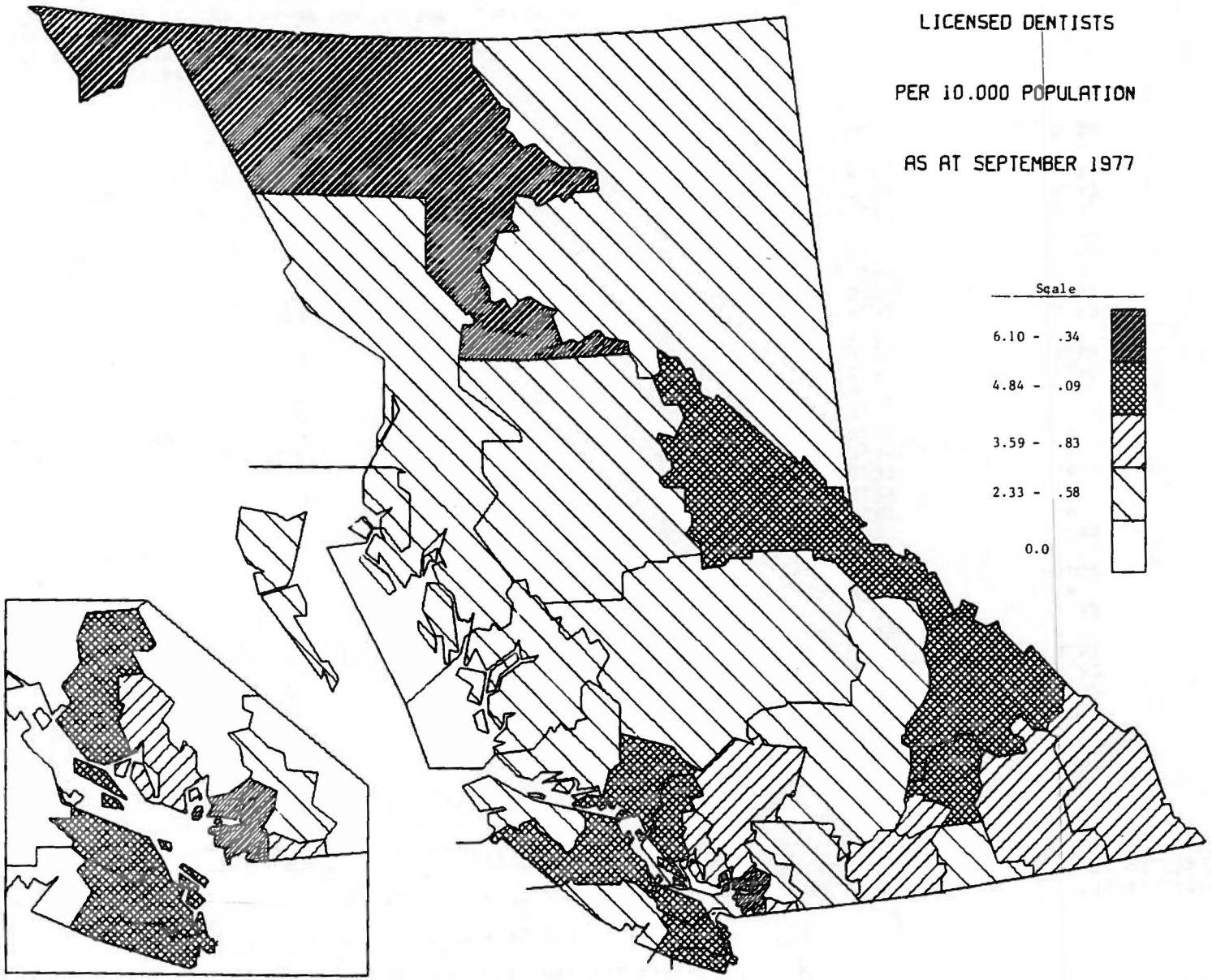

LICENSED DENTISTS
PER 10.000 POPULATION
AS AT SEPTEMBER 1977
Scale
6.10 - .34
4.84 - .09
3.59 - .83
2.33 - .58
0.0

Table 1

Number of Licensed Dentists[1] in British Columbia

by Regional Hospital District

1975 and 1977

Regional Hospital District		Number		Number per 10,000 Population		Estimated Annual Rate of Change[2]	
		1975	1977	1975	1977	Number[3]	Ratio[4]
Non-Metropolitan - Subtotal		415	490	3.74	4.12	9.04	5.08
1	East Kootenay	15	20	3.33	4.18	16.67	12.91
2	Central Kootenay	16	22	3.32	4.42	18.75	16.45
2a	Kootenay Boundary	11	10	3.48	3.15	-4.55	-4.72
3	Okanagan-Similkameen	21	22	4.22	4.13	2.38	-1.07
4	Columbia-Shuswap	13	19	3.76	5.20	23.08	19.13
5	North Okanagan	22	25	4.97	5.06	6.82	0.92
6	Central Okanagan	29	34	4.33	4.51	8.62	2.07
7	Thompson-Nicola	33	33	3.71	3.46	0.0	-3.43
8	Cariboo	15	16	3.05	2.96	3.33	-1.50
9	Squamish-Lillooet	4	6	2.63	3.68	*	*
10	Fraser-Cheam	20	18	3.97	3.43	-5.00	-6.82
11	Central Fraser Valley	28	38	3.42	4.05	17.86	9.22
12	Dewdney-Alouette	17	15	3.40	2.73	-5.88	-9.85
14	Sunshine Coast	4	5	3.35	3.82	*	*
15	Powell River	9	10	4.63	5.03	*	*
16	Mount Waddington	3	3	2.49	2.33	*	*
16a	Central Coast	2	1	4.77	2.39	*	*
17	Skeena-Queen Charlotte	7	8	3.10	3.52	*	*
18	Kitimat-Stikine	9	12	2.34	3.08	*	*
19	Bulkley-Nechako	8	9	2.54	2.67	*	*
20	Fraser-Fort George	37	44	4.83	5.32	9.46	5.07
21	Peace River-Liard	13	16	2.91	3.55	11.54	11.08
22	Stikine	0	1	0.0	6.41	*	*
24	Cowichan Valley	16	24	3.52	4.93	25.00	20.01
25	Nanaimo	32	38	5.41	5.88	9.38	4.28
26	Alberni-Clayoquot	12	11	3.74	3.41	-4.17	-4.41
27	Comox-Strathcona	19	30	3.44	5.07	28.95	23.69
Metropolitan - Subtotal		872	947	6.71	7.11	4.30	2.95
13	Greater Vancouver	739	805	6.88	7.34	4.47	3.33
23	Capital	133	142	5.90	6.02	3.38	1.05
TOTAL		1287	1437	5.34	5.70	5.83	3.33

[1] Definitions are as in the attached text.
[2] A two year rate of change has been adjusted to an annual figure.
[3] Rate of change (in percent) in the number.
[4] Rate of change (in percent) in the number per 10,000 population.
* Indicates that the base for the rate of change was less than 10.

Prepared by:

Health Manpower Research Unit
University of B.C.

Table 3.1

Number of Licensed Dentists[1] in British Columbia by Specialty by Regional Hospital District as at September 1977

Regional Hospital District		Non-Specialist	Endodontics	Oral Surgery	Orthodontics	Pediatric Dentistry	Periodontics	Total
Non-Metropolitan - Subtotal		477	0	1	11	1	0	490
1	East Kootenay	19	0	0	1	0	0	20
2	Central Kootenay	22	0	0	0	0	0	22
2a	Kootenay Boundary	10	0	0	0	0	0	10
3	Okanagan-Similkameen	22	0	0	0	0	0	22
4	Columbia-Shuswap	18	0	0	1	0	0	19
5	North Okanagan	24	0	0	1	0	0	25
6	Central Okanagan	32	0	1	1	0	0	34
7	Thompson-Nicola	32	0	0	1	0	0	33
8	Cariboo	16	0	0	0	0	0	16
9	Squamish-Lillooet	6	0	0	0	0	0	6
10	Fraser-Cheam	18	0	0	0	0	0	18
11	Central Fraser Valley	37	0	0	1	0	0	38
12	Dewdney-Alouette	15	0	0	0	0	0	15
14	Sunshine Coast	5	0	0	0	0	0	5
15	Powell River	10	0	0	0	0	0	10
16	Mount Waddington	3	0	0	0	0	0	3
16a	Central Coast	1	0	0	0	0	0	1
17	Skeena-Queen Charlotte	8	0	0	0	0	0	8
18	Kitimat-Stikine	11	0	0	1	0	0	12
19	Bulkley-Nechako	9	0	0	0	0	0	9
20	Fraser-Fort George	43	0	0	1	0	0	44
21	Peace River-Liard	16	0	0	0	0	0	16
22	Stikine	1	0	0	0	0	0	1
24	Cowichan Valley	23	0	0	1	0	0	24
25	Nanaimo	35	0	0	2	1	0	38
26	Alberni-Clayoquot	11	0	0	0	0	0	11
27	Comox-Strathcona	30	0	0	0	0	0	30
Metropolitan - Subtotal		864	7	19	36	12	9	947
13	Greater Vancouver	733	7	16	30	11	8	805
23	Capital	131	0	3	6	1	1	142
TOTAL		1341	7	20	47	13	9	1437

[1] Definitions are as in the attached text.

Prepared by:

Health Manpower Research Unit
University of B.C.

Table 3.2

Number of Licensed Dentists[1] in British Columbia per 10,000 Population by Specialty by Regional Hospital District as at September 1977

Regional Hospital District	Non-Specialist	Endodontics	Oral Surgery	Orthodontics	Pediatric Dentistry	Periodontics	Total
Non-Metropolitan - Subtotal	4.01	0.0	0.01	0.09	0.01	0.0	4.12
1 East Kootenay	3.98	0.0	0.0	0.21	0.0	0.0	4.18
2 Central Kootenay	4.42	0.0	0.0	0.0	0.0	0.0	4.42
2a Kootenay Boundary	3.15	0.0	0.0	0.0	0.0	0.0	3.15
3 Okanagan-Similkameen	4.13	0.0	0.0	0.0	0.0	0.0	4.13
4 Columbia-Shuswap	4.92	0.0	0.0	0.27	0.0	0.0	5.20
5 North Okanagan	4.86	0.0	0.0	0.20	0.0	0.0	5.06
6 Central Okanagan	4.24	0.0	0.13	0.13	0.0	0.0	4.51
7 Thompson-Nicola	3.35	0.0	0.0	0.10	0.0	0.0	3.46
8 Cariboo	2.96	0.0	0.0	0.0	0.0	0.0	2.96
9 Squamish-Lillooet	3.68	0.0	0.0	0.0	0.0	0.0	3.68
10 Fraser-Cheam	3.43	0.0	0.0	0.0	0.0	0.0	3.43
11 Central Fraser Valley	3.94	0.0	0.0	0.11	0.0	0.0	4.05
12 Dewdney-Alouette	2.73	0.0	0.0	0.0	0.0	0.0	2.73
14 Sunshine Coast	3.82	0.0	0.0	0.0	0.0	0.0	3.82
15 Powell River	5.03	0.0	0.0	0.0	0.0	0.0	5.03
16 Mount Waddington	2.33	0.0	0.0	0.0	0.0	0.0	2.33
16a Central Coast	2.39	0.0	0.0	0.0	0.0	0.0	2.39
17 Skeena-Queen Charlotte	3.52	0.0	0.0	0.0	0.0	0.0	3.52
18 Kitimat-Stikine	2.82	0.0	0.0	0.26	0.0	0.0	3.08
19 Bulkley-Nechako	2.67	0.0	0.0	0.0	0.0	0.0	2.67
20 Fraser-Fort George	5.20	0.0	0.0	0.12	0.0	0.0	5.32
21 Peace River-Liard	3.55	0.0	0.0	0.0	0.0	0.0	3.55
22 Stikine	6.41	0.0	0.0	0.0	0.0	0.0	6.41
24 Cowichan Valley	4.72	0.0	0.0	0.21	0.0	0.0	4.93
25 Nanaimo	5.41	0.0	0.0	0.31	0.15	0.0	5.88
26 Alberni-Clayoquot	3.41	0.0	0.0	0.0	0.0	0.0	3.41
27 Comox-Strathcona	5.07	0.0	0.0	0.0	0.0	0.0	5.07
Metropolitan - Subtotal	6.48	0.05	0.14	0.27	0.09	0.07	7.11
13 Greater Vancouver	6.68	0.06	0.15	0.27	0.10	0.07	7.34
23 Capital	5.56	0.0	0.13	0.25	0.04	0.04	6.02
TOTAL	5.32	0.03	0.08	0.19	0.05	0.04	5.70

[1] Definitions are as in the attached text.

Prepared by:

Health Manpower Research Unit
University of B.C.

Table 3.3

Estimated Annual Rate of Change[2]; Licensed Dentists[1]

in British Columbia by Specialty by Regional Hospital District

from 1975 to 1977

Regional Hospital District		Non-Specialist	Endodontics	Oral Surgery	Orthodontics	Pediatric Dentistry	Periodontics	Total
Non-Metropolitan - Subtotal		4.81	*	*	*	*	*	5.08
1	East Kootenay	14.04	*	*	*	*	*	12.91
2	Central Kootenay	16.45	*	*	*	*	*	16.45
2a	Kootenay Boundary	-4.72	*	*	*	*	*	-4.72
3	Okanagan-Similkameen	-1.07	*	*	*	*	*	-1.07
4	Columbia-Shuswap	15.50	*	*	*	*	*	19.13
5	North Okanagan	1.21	*	*	*	*	*	0.92
6	Central Okanagan	2.64	*	*	*	*	*	2.07
7	Thompson-Nicola	-3.43	*	*	*	*	*	-3.43
8	Cariboo	-1.50	*	*	*	*	*	-1.50
9	Squamish-Lillooet	*	*	*	*	*	*	*
10	Fraser-Cheam	-6.82	*	*	*	*	*	-6.82
11	Central Fraser Valley	7.67	*	*	*	*	*	9.22
12	Dewdney-Alouette	-9.85	*	*	*	*	*	-9.85
14	Sunshine Coast	*	*	*	*	*	*	*
15	Powell River	*	*	*	*	*	*	*
16	Mount Waddington	*	*	*	*	*	*	*
16a	Central Coast	*	*	*	*	*	*	*
17	Skeena-Queen Charlotte	*	*	*	*	*	*	*
18	Kitimat-Stikine	*	*	*	*	*	*	*
19	Bulkley-Nechako	*	*	*	*	*	*	*
20	Fraser-Fort George	5.32	*	*	*	*	*	5.07
21	Peace River-Liard	11.08	*	*	*	*	*	11.08
22	Stikine	*	*	*	*	*	*	*
24	Cowichan Valley	17.09	*	*	*	*	*	20.01
25	Nanaimo	3.33	*	*	*	*	*	4.28
26	Alberni-Clayoquot	-4.41	*	*	*	*	*	-4.41
27	Comox-Strathcona	23.69	*	*	*	*	*	23.69
Metropolitan - Subtotal		2.53	*	11.76	8.51	-1.24	*	2.95
13	Greater Vancouver	2.93	*	15.28	6.49	-1.04	*	3.33
23	Capital	0.51	*	*	*	*	*	1.05
TOTAL		3.02	*	9.71	9.08	1.75	*	3.33

[1] Definitions are as in the attached text.
[2] Rate of change (in percent) in the number.
A two year rate of change has been adjusted to an annual figure.
* Indicates that the base for the rate of change is less than 10.

Prepared by:

Health Manpower Research Unit
University of B.C.

Table 5

Analysis of Changes in the Number of Licensed Dentists[1] in British Columbia by Place of Graduation by Regional Hospital District from 1975 to 1977

Regional Hospital District		1975[3]	New Registrants[2] by Place of Graduation					Attr'n[5]	Migr'n[6]	1977[7]
			U.B.C.	O.Can.[4]	U.S.A.	Other	Total			
Non-Metropolitan - Subtotal		415	33	35	22	18	108	36	3	490
1	East Kootenay	15	4	1	1	1	7	1	-1	20
2	Central Kootenay	16	2	4	0	0	6	3	3	22
2a	Kootenay Boundary	11	1	0	0	0	1	2	0	10
3	Okanagan-Similkameen	21	3	1	1	0	5	3	-1	22
4	Columbia-Shuswap	13	3	4	1	0	8	3	1	19
5	North Okanagan	22	0	2	0	0	2	2	3	25
6	Central Okanagan	29	3	2	1	0	6	1	0	34
7	Thompson-Nicola	33	0	0	0	1	1	2	1	33
8	Cariboo	15	1	1	0	3	5	3	-1	16
9	Squamish-Lillooet	4	0	1	1	1	3	0	-1	6
10	Fraser-Cheam	20	0	1	0	0	1	1	-2	18
11	Central Fraser Valley	28	2	1	1	3	7	1	4	38
12	Dewdney-Alouette	17	0	0	0	1	1	2	-1	15
14	Sunshine Coast	4	1	0	0	1	2	0	-1	5
15	Powell River	9	1	1	0	2	4	0	-3	10
16	Mount Waddington	3	1	0	0	0	1	1	0	3
16a	Central Coast	2	0	0	0	0	0	0	-1	1
17	Skeena-Queen Charlotte	7	0	0	3	0	3	1	-1	8
18	Kitimat-Stikine	9	0	1	1	1	3	0	0	12
19	Bulkley-Nechako	8	0	0	1	0	1	1	1	9
20	Fraser-Fort George	37	5	2	8	0	15	4	-4	44
21	Peace River-Liard	13	1	3	2	1	7	2	-2	16
22	Stikine	0	0	0	0	0	0	0	1	1
24	Cowichan Valley	16	1	3	1	3	8	0	0	24
25	Nanaimo	32	1	5	0	0	6	2	2	38
26	Alberni-Clayoquot	12	0	0	0	0	0	0	-1	11
27	Comox-Strathcona	19	3	2	0	0	5	1	7	30
Metropolitan - Subtotal		872	47	54	11	24	136	58	-3	947
13	Greater Vancouver	739	44	39	10	22	115	45	-4	805
23	Capital	133	3	15	1	2	21	13	1	142
TOTAL		1287	80	89	33	42	244	94	0	1437

[1] Definitions are as in the attached text.
[2] Licensed Dentists who were active in 1977 but not in 1975.
[3] Number of Licensed Dentists as at September 1975.
[4] Other Canada.
[5] Licensed Dentists who were active in 1975 but not in 1977.
[6] Net effect of intra-provincial migration.
[7] Number of Licensed Dentists as at September 1977.

Prepared by:

Health Manpower Research Unit
University of B.C.

9. DIETITIANS (MEMBERS)

Definition: "Plans and supervises food service programs in hospitals, schools, restaurants and other establishments to ensure proper nutrition:
Plans diets and menus, providing required foods and nutrients to feed individuals and groups, taking into consideration scientific principles of nutrition, available employees and facilities.
Supervises workers engaged in preparing and serving meals. Determines equipment and supply requirements. Plans financial budget and controls operating costs. Inspects work areas and storage facilities to ensure observance of sanitary standards.
May prepare material on nutritional value of foods, methods of preparation and recipes. May participate in evaluation of policy and procedures, hiring and training of personnel, and in other administrative functions." [1]

Date of Record: Location of home address as at September 1975 and September 1977.

Source of Data: The British Columbia Dietetic Association and The Canadian Dietetic Association.

Preparation and Updating:

Members of either the B.C. Dietetic Association or the Canadian Association with a B.C. address at the date of record are included.

Hospital practice requires B.C. membership; in other fields of practice, only Canadian membership is required. This table includes honorary but not auxiliary members.

Place of employment is not included and the tables therefore include dietitians not employed in the health field.

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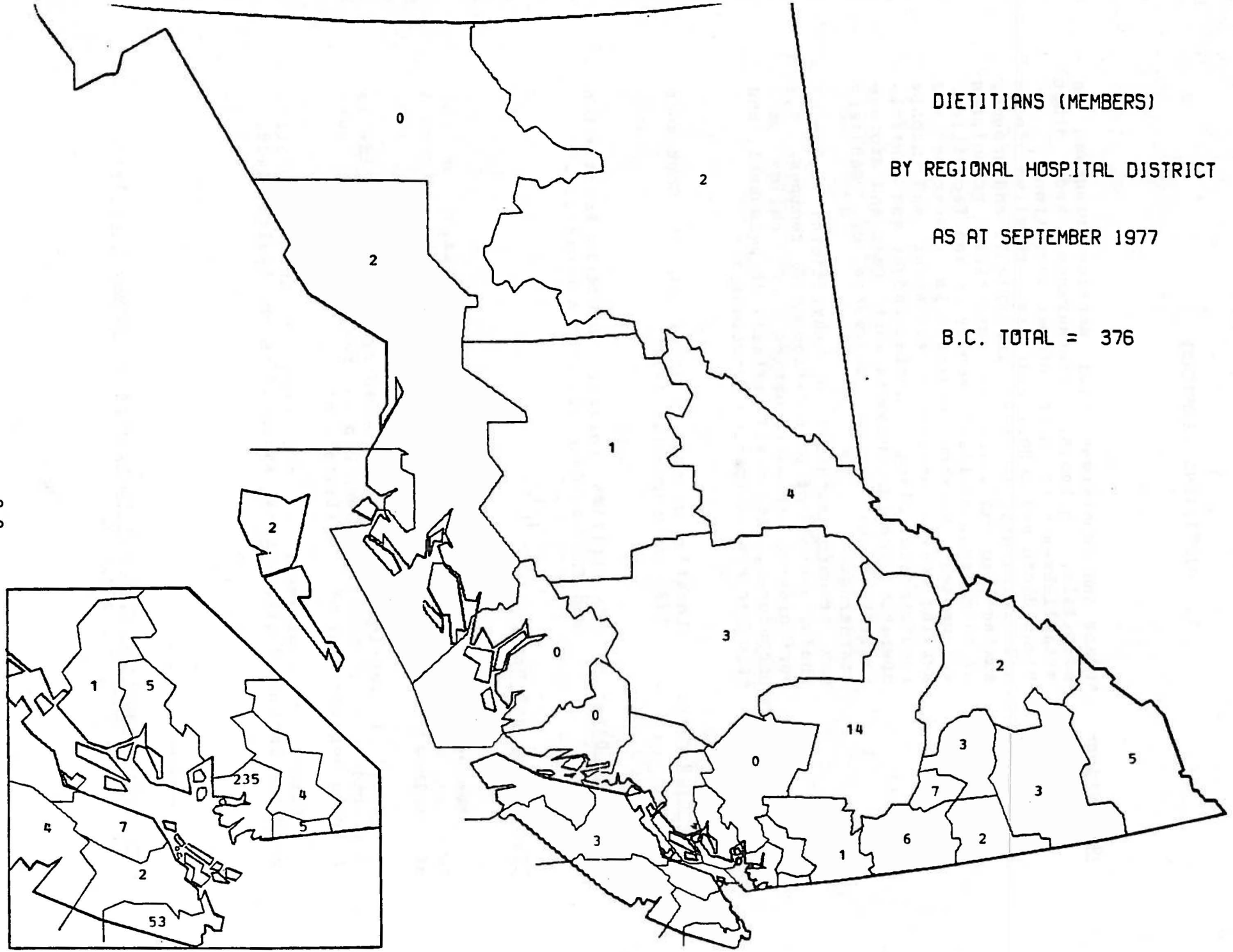
[1] Canadian Classification and Dictionary of Occupations 1971. vol. 1, p. 131, No. 3152-122.


DIETITIANS (MEMBERS)
BY REGIONAL HOSPITAL DISTRICT
AS AT SEPTEMBER 1977
B.C. TOTAL = 376
0
2
2
1
4
2
3
0
0
14
0
2
3
5
7
3
3
6
2
1
1
5
235
4
5
4
7
2
53

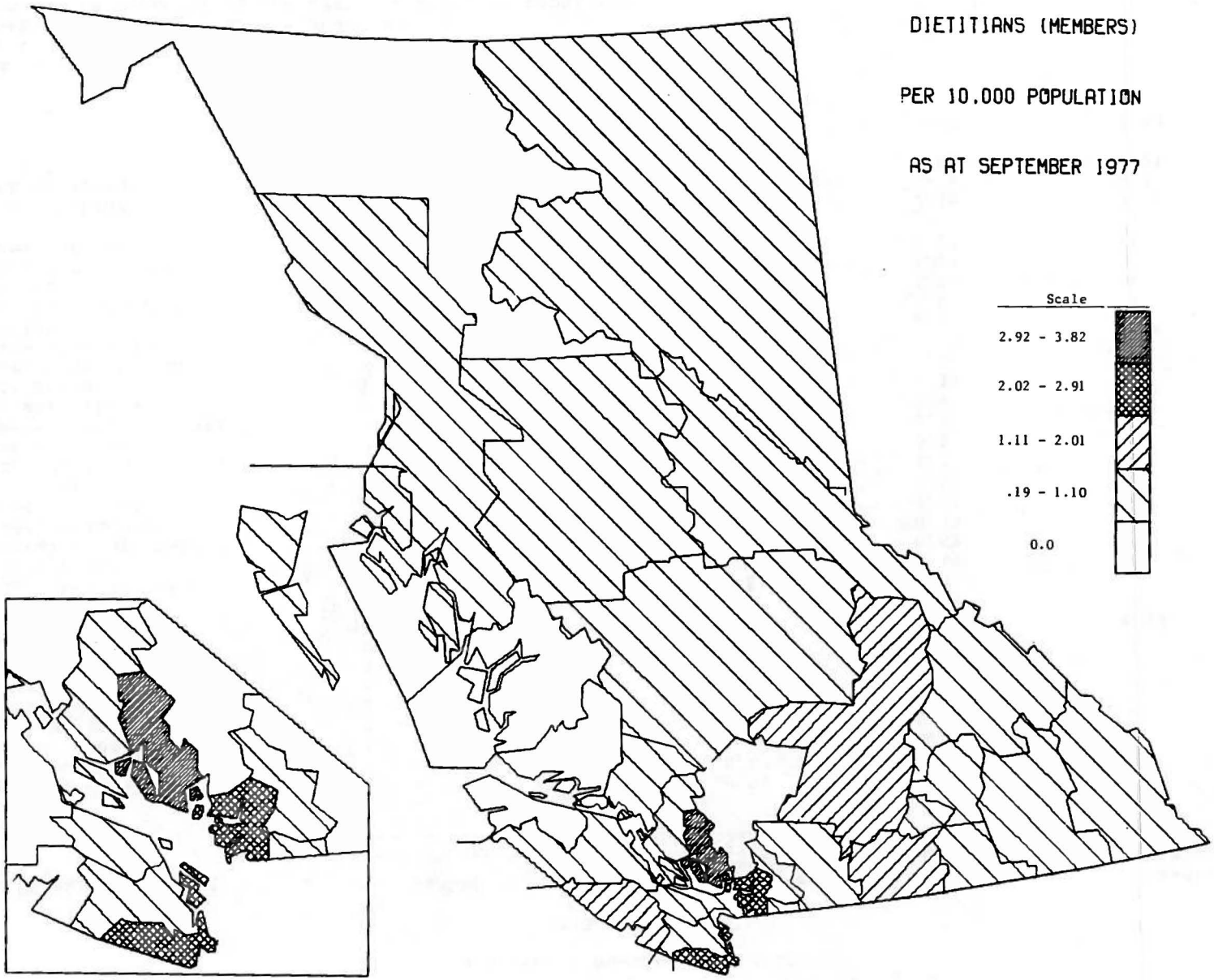

DIETITIANS (MEMBERS)
PER 10,000 POPULATION
AS AT SEPTEMBER 1977
Scale
2.92 - 3.82
2.02 - 2.91
1.11 - 2.01
.19 - 1.10
0.0

Table 1

Number of Dietitians (Members)[1] in British Columbia by Regional Hospital District 1975 and 1977

Regional Hospital District		Number		Number per 10,000 Population		Estimated Annual Rate of Change[2]	
		1975	1977	1975	1977	Number[3]	Ratio[4]
Non-Metropolitan - Subtotal		78	88	0.70	0.74	6.41	2.63
1	East Kootenay	3	5	0.67	1.05	*	*
2	Central Kootenay	3	3	0.62	0.60	*	*
2a	Kootenay Boundary	3	2	0.95	0.63	*	*
3	Okanagan-Similkameen	4	6	0.80	1.13	*	*
4	Columbia-Shuswap	1	2	0.29	0.55	*	*
5	North Okanagan	2	3	0.45	0.61	*	*
6	Central Okanagan	8	7	1.19	0.93	*	*
7	Thompson-Nicola	12	14	1.35	1.47	8.33	4.33
8	Cariboo	2	3	0.41	0.55	*	*
9	Squamish-Lillooet	1	0	0.66	0.0	*	*
10	Fraser-Cheam	3	1	0.60	0.19	*	*
11	Central Fraser Valley	3	5	0.37	0.53	*	*
12	Dewdney-Alouette	5	4	1.00	0.73	*	*
14	Sunshine Coast	3	5	2.51	3.82	*	*
15	Powell River	1	1	0.51	0.50	*	*
16	Mount Waddington	0	0	0.0	0.0	*	*
16a	Central Coast	0	0	0.0	0.0	*	*
17	Skeena-Queen Charlotte	1	2	0.44	0.88	*	*
18	Kitimat-Stikine	3	2	0.78	0.51	*	*
19	Bulkley-Nechako	1	1	0.32	0.30	*	*
20	Fraser-Fort George	4	4	0.52	0.48	*	*
21	Peace River-Liard	1	2	0.22	0.44	*	*
22	Stikine	0	0	0.0	0.0	*	*
24	Cowichan Valley	3	2	0.66	0.41	*	*
25	Nanaimo	5	7	0.85	1.08	*	*
26	Alberni-Clayoquot	3	4	0.93	1.24	*	*
27	Comox-Strathcona	3	3	0.54	0.51	*	*
Metropolitan - Subtotal		284	288	2.19	2.16	0.70	-0.55
13	Greater Vancouver	236	235	2.20	2.14	-0.21	-1.25
23	Capital	48	53	2.13	2.25	5.21	2.79
TOTAL		362	376	1.50	1.49	1.93	-0.39

[1] Definitions are as in the attached text.
[2] A two year rate of change has been adjusted to an annual figure.
[3] Rate of change (in percent) in the number.
[4] Rate of change (in percent) in the number per 10,000 population.
* Indicates that the base for the rate of change was less than 10.

Prepared by:

Health Manpower Research Unit
University of B.C.

10. FOOD SERVICE SUPERVISORS (MEMBERS)

Definition: "Under general direction and supervision is responsible for the operation of the entire dietetic department or of one or more sections in the department (depending on the size of the department or the complexity of the organization)." [1]

Date of Record: Location of home address as at October 1975 and October 1977.

Source of Data: B.C. Food Service Supervisors' Association.

Preparation and Updating:

Members of the B.C. Food Service Supervisors' Association with a B.C. address at the date of record are included in the tables.

Licensure does not exist. Most of the members are said to be employed in hospitals.

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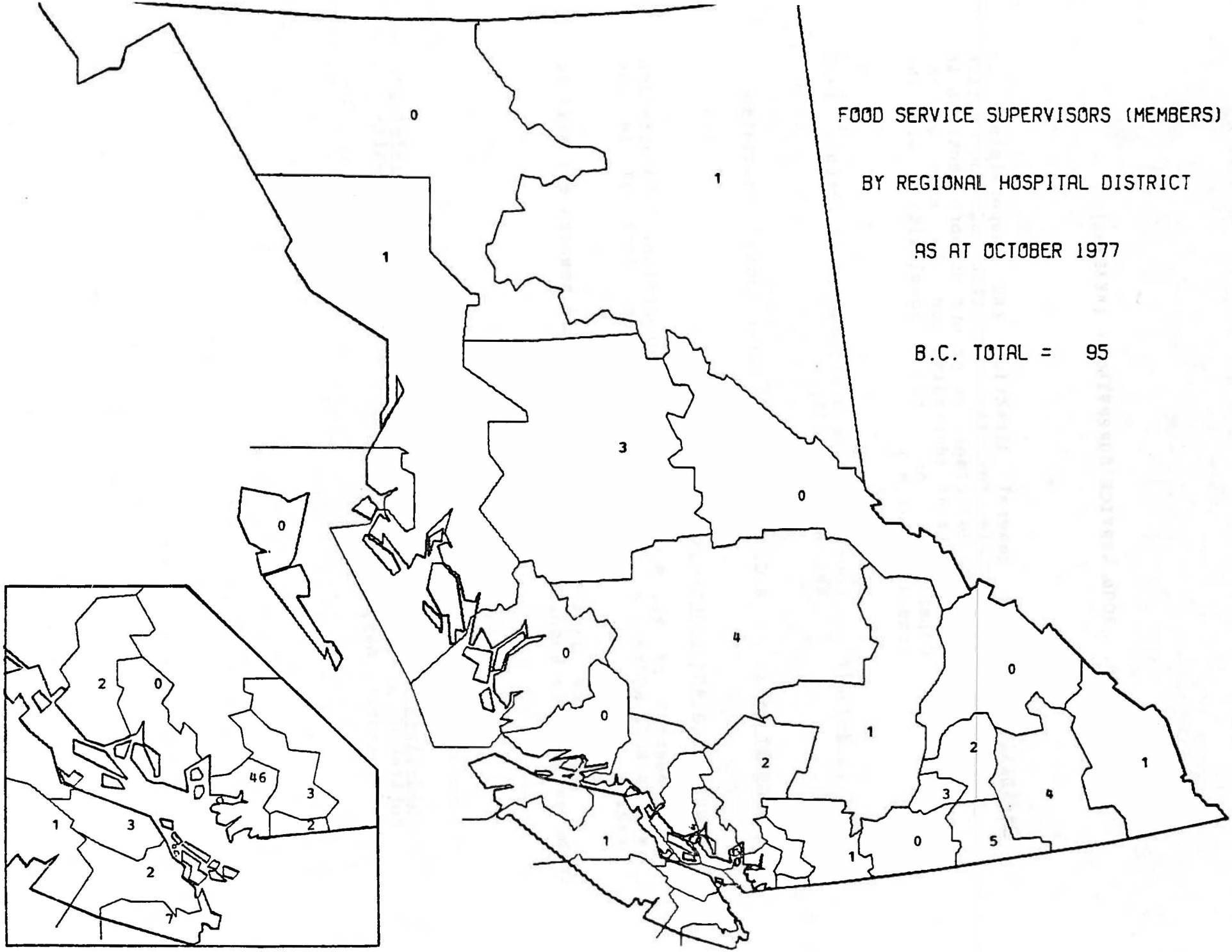
[1] Guidelines For The Operation of the Department of Dietetics. Published by "Authority of the Minister of National Health and Welfare", May, 1974.


FOOD SERVICE SUPERVISORS (MEMBERS)
BY REGIONAL HOSPITAL DISTRICT
AS AT OCTOBER 1977
B.C. TOTAL = 95
0
1
1
3
0
0
4
0
0
1
2
0
1
2
3
4
1
1
0
5
2
0
46
3
1
3
2
2

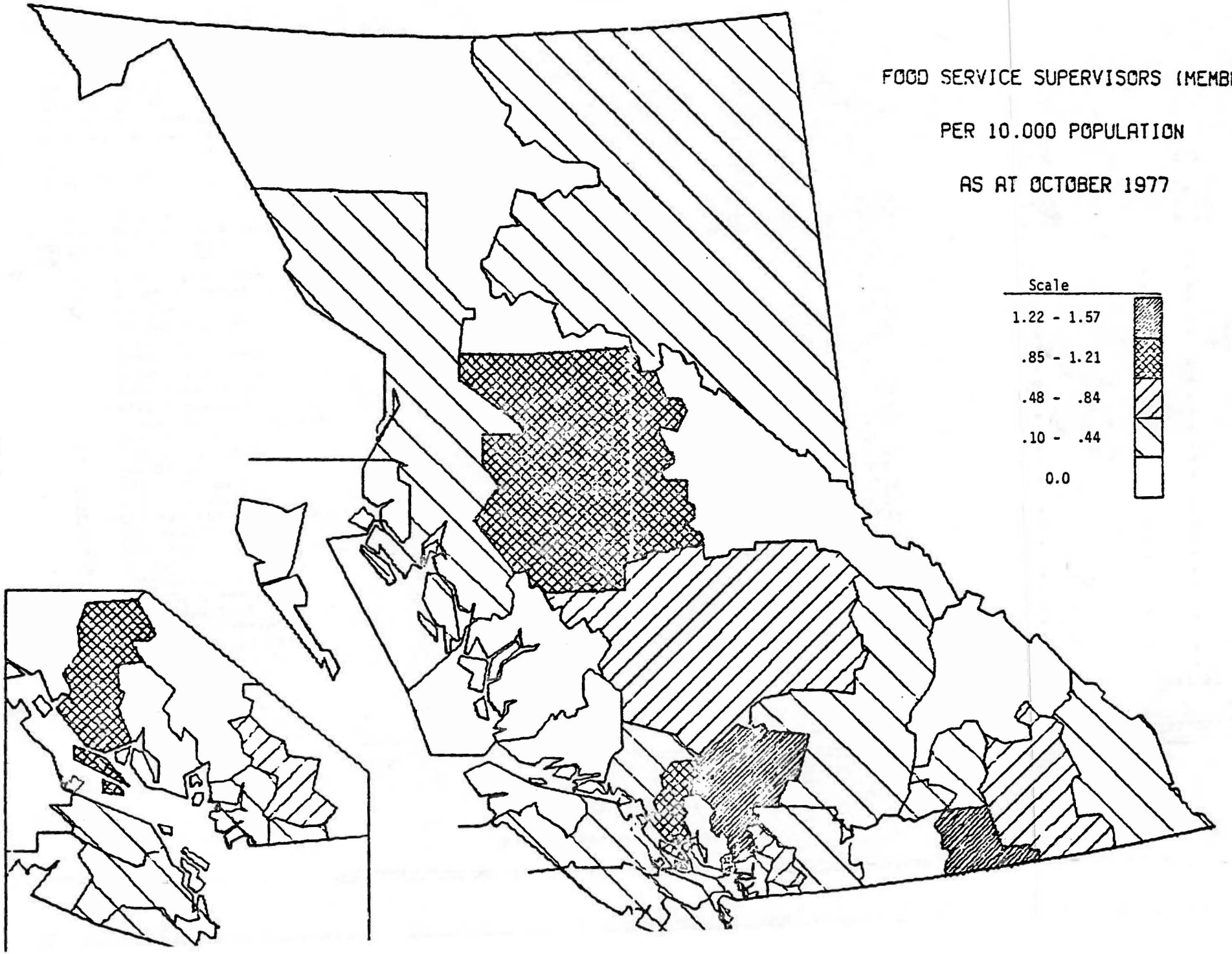

FOOD SERVICE SUPERVISORS (MEMBERS)
PER 10.000 POPULATION
AS AT OCTOBER 1977
Scale
1.22 - 1.57
.85 - 1.21
.48 - .84
.10 - .44
0.0

Table 1

Number of Food Service Supervisors (Members)[1] in British Columbia

by Regional Hospital District

1975 and 1977

Regional Hospital District		Number		Number per 10,000 Population		Estimated Annual Rate of Change[2]	
		1975	1977	1975	1977	Number[3]	Ratio[4]
Non-Metropolitan - Subtotal		29	42	0.26	0.35	22.41	17.57
1	East Kootenay	1	1	0.22	0.21	*	*
2	Central Kootenay	2	4	0.42	0.80	*	*
2a	Kootenay Boundary	2	5	0.63	1.57	*	*
3	Okanagan-Similkameen	0	0	0.0	0.0	*	*
4	Columbia-Shuswap	0	0	0.0	0.0	*	*
5	North Okanagan	1	2	0.23	0.40	*	*
6	Central Okanagan	3	3	0.45	0.40	*	*
7	Thompson-Nicola	0	1	0.0	0.10	*	*
8	Cariboo	2	4	0.41	0.74	*	*
9	Squamish-Lillooet	1	2	0.66	1.23	*	*
10	Fraser-Cheam	1	1	0.20	0.19	*	*
11	Central Fraser Valley	2	2	0.24	0.21	*	*
12	Dewdney-Alouette	3	3	0.60	0.55	*	*
14	Sunshine Coast	0	0	0.0	0.0	*	*
15	Powell River	1	2	0.51	1.01	*	*
16	Mount Waddington	0	0	0.0	0.0	*	*
16a	Central Coast	0	0	0.0	0.0	*	*
17	Skeena-Queen Charlotte	0	0	0.0	0.0	*	*
18	Kitimat-Stikine	1	1	0.26	0.26	*	*
19	Bulkley-Nechako	1	3	0.32	0.89	*	*
20	Fraser-Fort George	2	0	0.26	0.0	*	*
21	Peace River-Liard	0	1	0.0	0.22	*	*
22	Stikine	0	0	0.0	0.0	*	*
24	Cowichan Valley	4	2	0.88	0.41	*	*
25	Nanaimo	1	3	0.17	0.46	*	*
26	Alberni-Clayoquot	0	1	0.0	0.31	*	*
27	Comox-Strathcona	1	1	0.18	0.17	*	*
Metropolitan - Subtotal		47	53	0.36	0.40	6.38	4.98
13	Greater Vancouver	42	46	0.39	0.42	4.76	3.63
23	Capital	5	7	0.22	0.30	*	*
TOTAL		76	95	0.32	0.38	12.50	9.71

[1] Definitions are as in the attached text.
[2] A two year rate of change has been adjusted to an annual figure.
[3] Rate of change (in percent) in the number.
[4] Rate of change (in percent) in the number per 10,000 population.
* Indicates that the base for the rate of change was less than 10.

Prepared by:

Health Manpower Research Unit
University of B.C.

11. HEALTH RECORD PERSONNEL

(MEMBERS)

11. HEALTH RECORD PERSONNEL (MEMBERS)

Definition: "Active, Inactive, Honorary Membership in H.R.A.B.C.

There are two types of qualified health record personnel, namely, the Health Record Administrator (H.R.A.) and the Health Record Technician (H.R.T.). The national body responsible for the education of health record personnel, the Canadian College of Health Record Administrators, bestows the additional title of C.C.H.R.A. (Certificant) for H.R.A.'s and C.C.H.R.A. (Associate) for H.R.T.'s, upon those who successfully complete the national examination for the appropriate level of training.

H.R.A.'s and H.R.T.'s work in a variety of health care facilities such as acute, specialized and long term hospitals; community health centres; industrial clinics; provincial or federal health care agencies as well as the health care research field. They contribute to the health information team by: planning information acquisition, maintenance and utilization systems; analyzing and technically evaluating health information and compiling and applying administrative and health statistics.

Certificants and Associates of the C.C.H.R.A. may be Active, Inactive, or Honorary members of the H.R.A.B.C.

Associate Membership in H.R.A.B.C.

Anyone engaged in a health information setting of a health care or allied facility, who does not have formal qualifications but is interested in advancing the objects of the association and improving personal awareness of the health information field; or, is a student enrolled in a course approved by the C.C.H.R.A.

Clarification of Terms Used

C.C.H.R.A.
- Canadian College of Health Record Administrators

C.C.H.R.A. (Certificant)
- formerly Registered Record Librarian (R.R.L.)

C.C.H.R.A. (Associate)
- formerly Accredited Record Technician (A.R.T.) and Health Data Technologist (H.D.T.)

H.R.A.
- Health Record Administrator

H.R.T.
- Health Record Technician" [1]

Date of Record: Location of members' mailing address as at October 1975 and October 1977.

Source of Data: The Health Record Association of British Columbia.

Preparation and Updating:

The list of members is prepared by the provincial Association, and updated by them on a monthly basis. Only members with a B.C. address at the date of record are included.

Licensure to practice in a health facility does not exist in British Columbia.

NOTE: Maps do not include inactive members of the Association.

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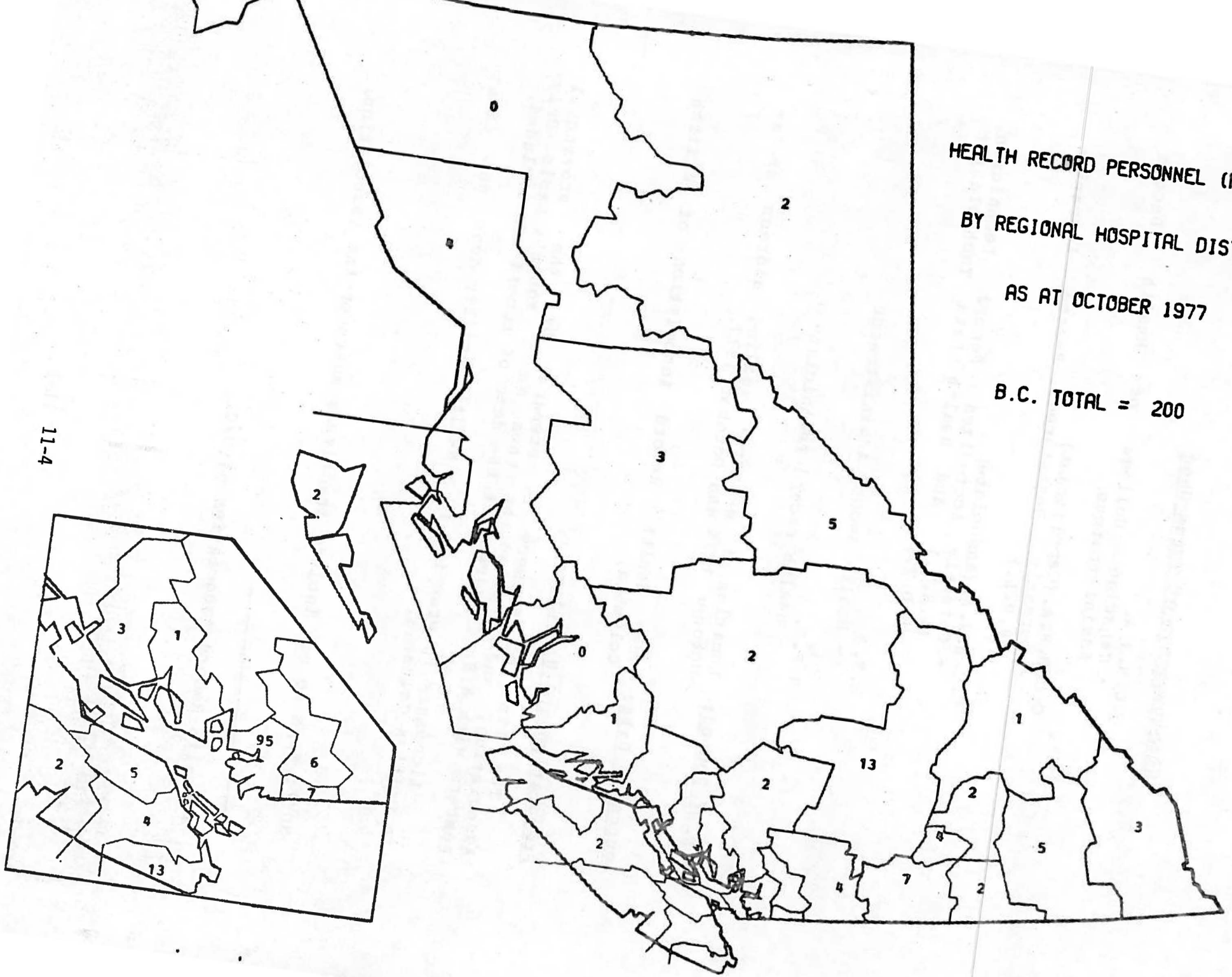
[1] Health Record Association of B.C.


HEALTH RECORD PERSONNEL (MEMBERS)
BY REGIONAL HOSPITAL DISTRICT
AS AT OCTOBER 1977
B.C. TOTAL = 200

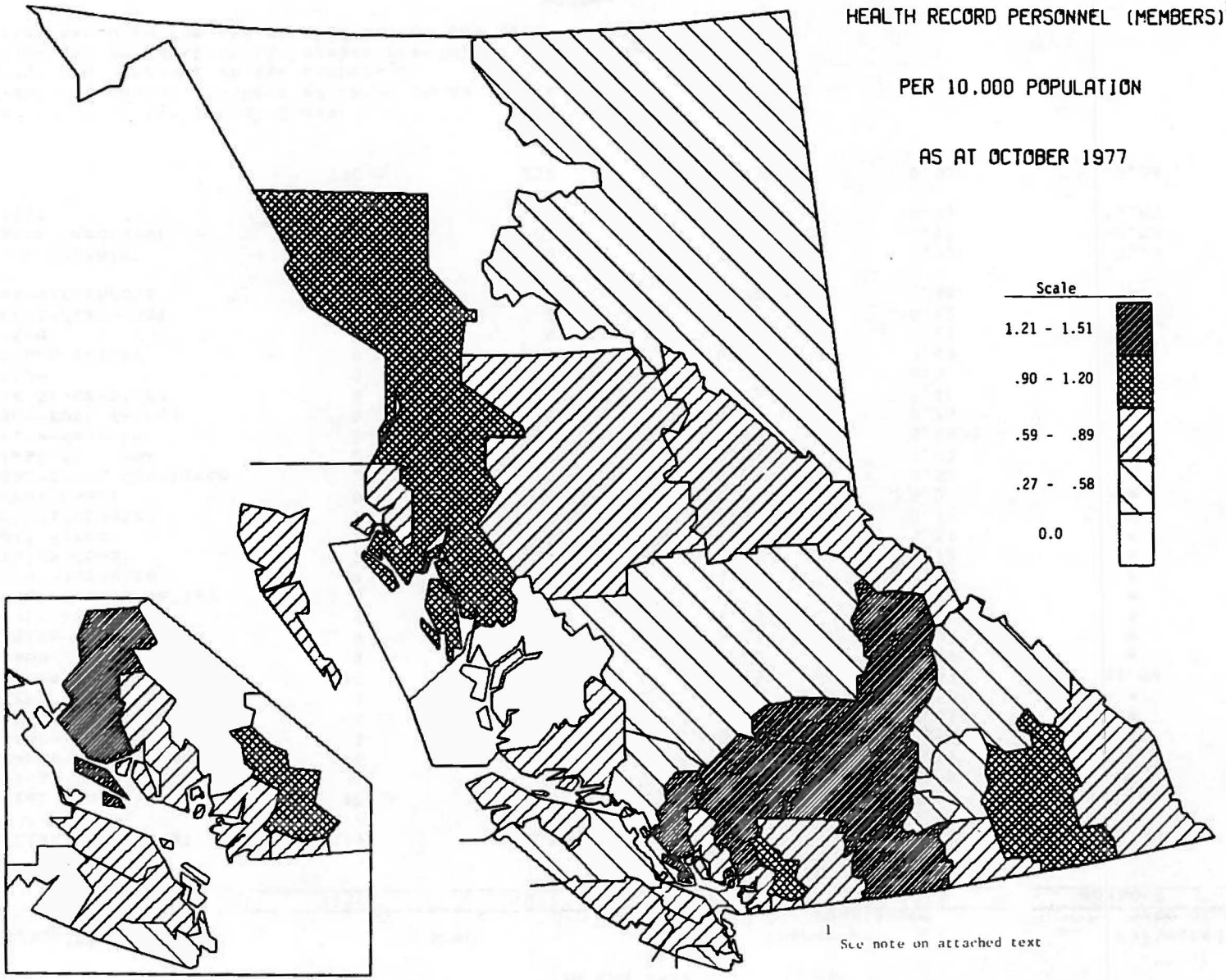

HEALTH RECORD PERSONNEL (MEMBERS)[1]
PER 10,000 POPULATION
AS AT OCTOBER 1977
Scale
1.21 - 1.51
.90 - 1.20
.59 - .89
.27 - .58
0.0
[1] See note on attached text

Table 1a

Number of Health Record Personnel (Members)[1] in British Columbia

by Regional Hospital District

1975 and 1977

Regional Hospital District		Number		Number per 10,000 Population		Estimated Annual Rate of Change[2]	
		1975	1977	1975	1977	Number[3]	Ratio[4]
Non-Metropolitan - Subtotal		123	109	1.11	0.92	-5.69	-8.66
1	East Kootenay	8	5	1.77	1.05	*	*
2	Central Kootenay	10	6	2.08	1.20	-20.00	-21.00
2a	Kootenay Boundary	5	3	1.58	0.94	*	*
3	Okanagan-Similkameen	5	9	1.00	1.69	*	*
4	Columbia-Shuswap	3	2	0.87	0.55	*	*
5	North Okanagan	5	3	1.13	0.61	*	*
6	Central Okanagan	2	4	0.30	0.53	*	*
7	Thompson-Nicola	12	15	1.35	1.57	12.50	8.21
8	Cariboo	4	2	0.81	0.37	*	*
9	Squamish-Lillooet	4	2	2.63	1.23	*	*
10	Fraser-Cheam	9	6	1.79	1.14	*	*
11	Central Fraser Valley	6	7	0.73	0.75	*	*
12	Dewdney-Alouette	7	8	1.40	1.46	*	*
14	Sunshine Coast	2	1	1.68	0.76	*	*
15	Powell River	2	3	1.03	1.51	*	*
16	Mount Waddington	2	1	1.66	0.78	*	*
16a	Central Coast	0	0	0.0	0.0	*	*
17	Skeena-Queen Charlotte	2	2	0.89	0.88	*	*
18	Kitimat-Stikine	3	4	0.78	1.03	*	*
19	Bulkley-Nechako	6	3	1.90	0.89	*	*
20	Fraser-Fort George	4	6	0.52	0.73	*	*
21	Peace River-Liard	5	2	1.12	0.44	*	*
22	Stikine	0	0	0.0	0.0	*	*
24	Cowichan Valley	4	5	0.88	1.03	*	*
25	Nanaimo	6	6	1.02	0.93	*	*
26	Alberni-Clayoquot	3	2	0.93	0.62	*	*
27	Comox-Strathcona	4	2	0.72	0.34	*	*
Metropolitan - Subtotal		147	123	1.13	0.92	-8.16	-9.20
13	Greater Vancouver	123	107	1.15	0.98	-6.50	-7.41
23	Capital	24	16	1.06	0.68	-16.67	-18.13
TOTAL		270	232	1.12	0.92	-7.04	-8.96

[1] Definitions are as in the attached text.
[2] A two year rate of change has been adjusted to an annual figure.
[3] Rate of change (in percent) in the number.
[4] Rate of change (in percent) in the number per 10,000 population.
* Indicates that the base for the rate of change was less than 10.

Prepared by:

Health Manpower Research Unit
University of B.C.

Table 1b.1

Number of Health Record Personnel (Members)[1] in British Columbia

by Membership Status by Regional Hospital District

as at October 1977

Regional Hospital District		Active	Associate	Honorary	Inactive	Total
Non-Metropolitan - Subtotal		79	13	0	17	109
1	East Kootenay	3	0	0	2	5
2	Central Kootenay	5	0	0	1	6
2a	Kootenay Boundary	1	1	0	1	3
3	Okanagan-Similkameen	7	0	0	2	9
4	Columbia-Shuswap	1	0	0	1	2
5	North Okanagan	2	0	0	1	3
6	Central Okanagan	3	1	0	0	4
7	Thompson-Nicola	11	2	0	2	15
8	Cariboo	2	0	0	0	2
9	Squamish-Lillooet	2	0	0	0	2
10	Fraser-Cheam	3	1	0	2	6
11	Central Fraser Valley	5	2	0	0	7
12	Dewdney-Alouette	4	2	0	2	8
14	Sunshine Coast	1	0	0	0	1
15	Powell River	3	0	0	0	3
16	Mount Waddington	1	0	0	0	1
16a	Central Coast	0	0	0	0	0
17	Skeena-Queen Charlotte	1	1	0	0	2
18	Kitimat-Stikine	3	1	0	0	4
19	Bulkley-Nechako	2	1	0	0	3
20	Fraser-Fort George	4	1	0	1	6
21	Peace River-Liard	2	0	0	0	2
22	Stikine	0	0	0	0	0
24	Cowichan Valley	4	0	0	1	5
25	Nanaimo	5	0	0	1	6
26	Alberni-Clayoquot	2	0	0	0	2
27	Comox-Strathcona	2	0	0	0	2
Metropolitan - Subtotal		81	21	6	15	123
13	Greater Vancouver	69	21	5	12	107
23	Capital	12	0	1	3	16
TOTAL		160	34	6	32	232

[1] Definitions are as in the attached text.

Prepared By:
Health Manpower Research Unit
University of B.C.

Table 1b.2 Number of Health Record Personnel (Members)[1] in British Columbia

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

as at October 1977

Regional Hospital District	Active	Associate	Honorary	Inactive	Total
Non-Metropolitan - Subtotal	0.66	0.11	0.0	0.14	0.92
1 East Kootenay	0.63	0.0	0.0	0.42	1.05
2 Central Kootenay	1.00	0.0	0.0	0.20	1.20
2a Kootenay Boundary	0.31	0.31	0.0	0.31	0.94
3 Okanagan-Similkameen	1.31	0.0	0.0	0.38	1.69
4 Columbia-Shuswap	0.27	0.0	0.0	0.27	0.55
5 North Okanagan	0.40	0.0	0.0	0.20	0.61
6 Central Okanagan	0.40	0.13	0.0	0.0	0.53
7 Thompson-Nicola	1.15	0.21	0.0	0.21	1.57
8 Cariboo	0.37	0.0	0.0	0.0	0.37
9 Squamish-Lillooet	1.23	0.0	0.0	0.0	1.23
10 Fraser-Cheam	0.57	0.19	0.0	0.38	1.14
11 Central Fraser Valley	0.53	0.21	0.0	0.0	0.75
12 Dewdney-Alcuette	0.73	0.36	0.0	0.36	1.46
14 Sunshine Coast	0.76	0.0	0.0	0.0	0.76
15 Powell River	1.51	0.0	0.0	0.0	1.51
16 Mount Waddington	0.78	0.0	0.0	0.0	0.78
16a Central Coast	0.0	0.0	0.0	0.0	0.0
17 Skeena-Queen Charlotte	0.44	0.44	0.0	0.0	0.88
18 Kitimat-Stikine	0.77	0.26	0.0	0.0	1.03
19 Bulkley-Nechako	0.59	0.30	0.0	0.0	0.89
20 Fraser-Fort George	0.48	0.12	0.0	0.12	0.73
21 Peace River-Liard	0.44	0.0	0.0	0.0	0.44
22 Stikine	0.0	0.0	0.0	0.0	0.0
24 Cowichan Valley	0.82	0.0	0.0	0.21	1.03
25 Nanaimo	0.77	0.0	0.0	0.15	0.93
26 Alberni-Clayoquot	0.62	0.0	0.0	0.0	0.62
27 Comox-Strathcona	0.34	0.0	0.0	0.0	0.34
Metropolitan - Subtotal	0.61	0.16	0.05	0.11	0.92
13 Greater Vancouver	0.63	0.19	0.05	0.11	0.98
23 Capital	0.51	0.0	0.04	0.13	0.68
TOTAL	0.63	0.13	0.02	0.13	0.92

[1] Definitions are as in the attached text.

Prepared By:
Health Manpower Research Unit
University of B.C.

12. MEDICAL LABORATORY TECHNOLOGISTS (MEMBERS)

12. MEDICAL LABORATORY TECHNOLOGISTS (MEMBERS)

Definition: "Performs a variety of medical laboratory tests and procedures, experiments, and analyses for the diagnosis, treatment and prevention of disease: Conducts chemical analysis of body fluids; such as blood, urine, and cerebro-spinal fluid to ascertain normal and abnormal constituents. Studies blood cells, their numbers, morphological characteristics and coagulation factors related to various physiological and pathological conditions. Studies micro-organisms which cause disease, and their effect upon the human body, by means of a wide variety of microscopic and macroscopic techniques. Prepares tissue sections for microscopic examination by a series of techniques; such as, fixation, embedding, cutting and staining to demonstrate special cellular tissue elements or other characteristics. Performs blood group, type and compatibility tests for transfusion purposes. Investigates responses of the body to foreign cells or agents. May specialize in a particular type of medical laboratory work and be designated accordingly; for example, Blood-Bank Technologist Haematology Technologist." [1]

Date of Record: Location of home address as at July 1975 and July 1977.

Source of Data: Canadian Society of Laboratory Technologists.

Preparation and Updating:

Laboratory technologists are not required to join the Canadian or B.C. Societies and are not required to be licensed or registered to practice in B.C. The tables are of the Canadian members only with a B.C. address at the date of record.

Members are classified in the Canadian Society according to training and practice. Where members have more than one certificate, the most recently obtained is used.

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[1] Canadian Classification and Dictionary of Occupations 1971. vol. 1, p. 132, No. 3156-122.

Definitions:

1. Membership Status

   Membership status is defined by the Canadian Society of Laboratory Technologists and includes the following categories:

   Certified (Active)

   Certified (Inactive)

   Associate (Non-Certified)

   Associate (Trainee)

   Laboratory Assistants[1]

2. Level of Training used in the tables is:

   R.T. -- General and Subject Certification

   A.R.T. -- Advanced Certification

   L.C.S.L.T. -- Licentiate Certification

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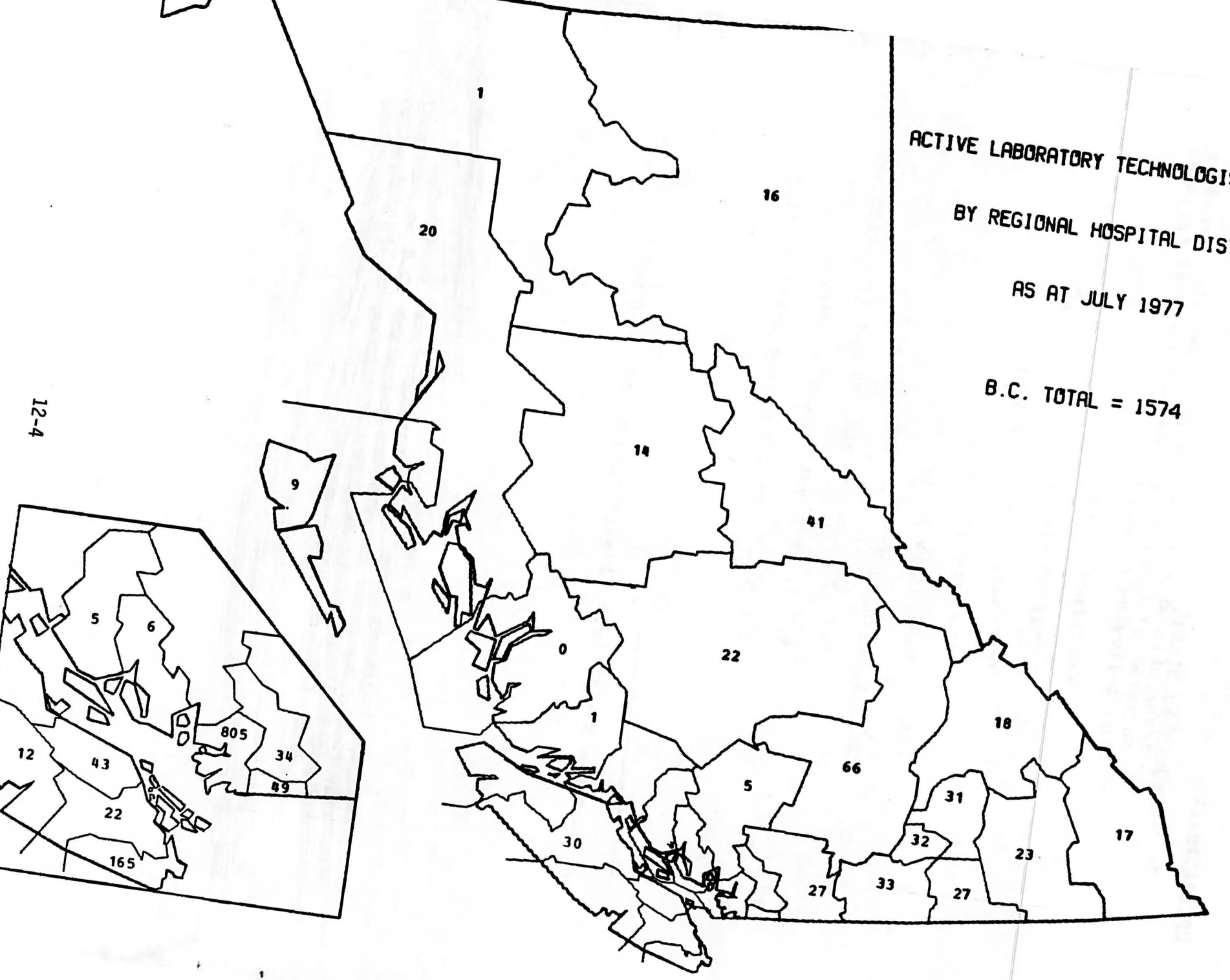
[1] No members with this classification are reported in B.C.



ACTIVE LABORATORY TECHNOLOGISTS(MEMBERS)

BY REGIONAL HOSPITAL DISTRICT

AS AT JULY 1977

B.C. TOTAL = 1574

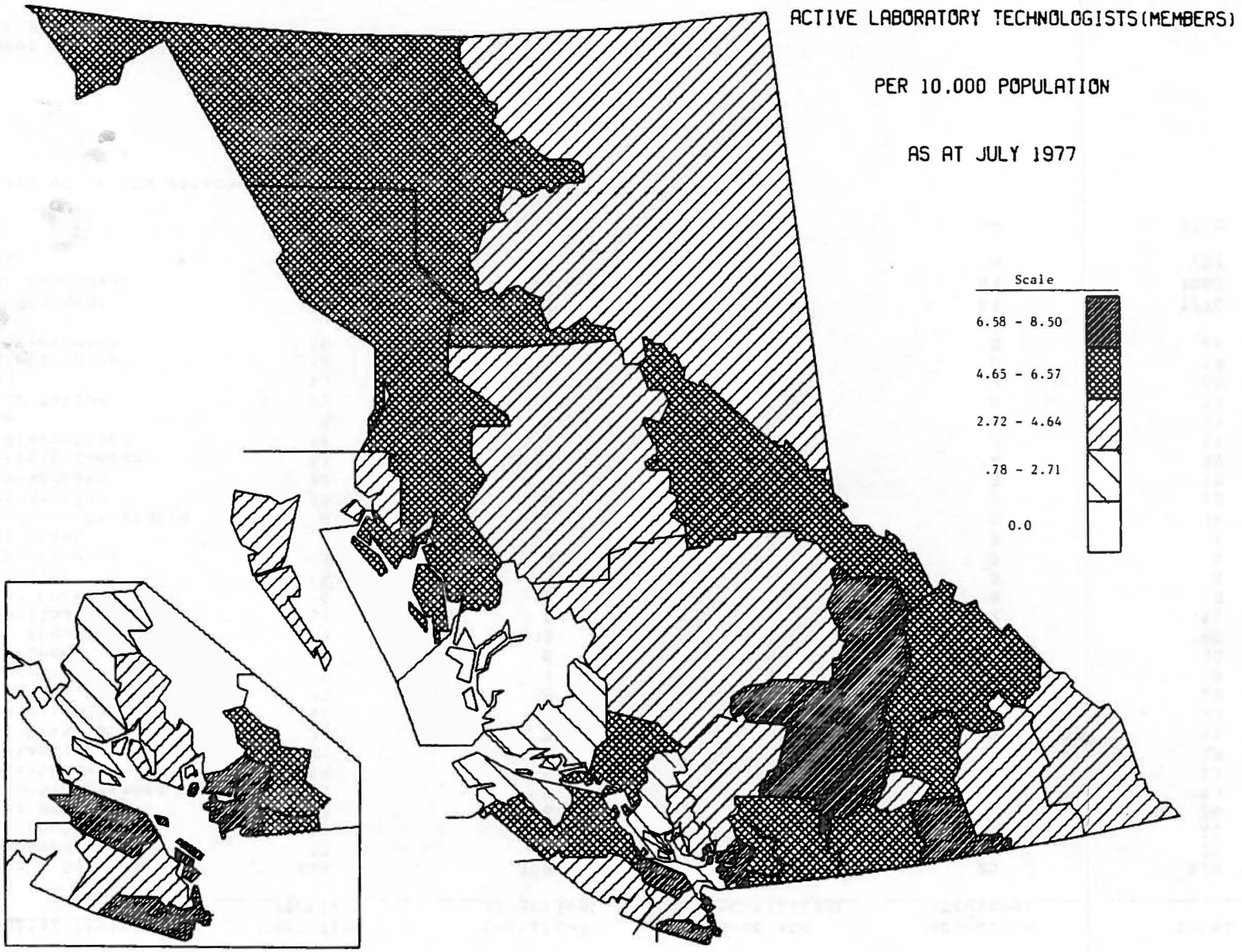

ACTIVE LABORATORY TECHNOLOGISTS(MEMBERS)
PER 10,000 POPULATION
AS AT JULY 1977
Scale
6.58 - 8.50
4.65 - 6.57
2.72 - 4.64
.78 - 2.71
0.0

Table 1a.1

Number of Laboratory Technologists (Members)[1] in British Columbia by Membership Status by Regional Hospital District as at July 1977

Regional Hospital District	Certified (Active)	Certified (Inactive)	Associate (Non-Certified)	Associate (Trainee)	Total
Non-Metropolitan - Subtotal	604	164	37	25	830
1 East Kootenay	17	8	3	1	29
2 Central Kootenay	23	5	2	0	30
2a Kootenay Boundary	27	6	2	1	36
3 Okanagan-Similkameen	33	9	1	0	43
4 Columbia-Shuswap	18	5	0	0	23
5 North Okanagan	31	7	0	0	38
6 Central Okanagan	32	7	2	4	45
7 Thompson-Nicola	66	17	0	10	93
8 Cariboo	22	6	0	0	28
9 Squamish-Lillooet	5	1	2	1	9
10 Fraser-Cheam	27	6	0	0	33
11 Central Fraser Valley	49	12	2	2	65
12 Dewdney-Alouette	34	8	1	2	45
14 Sunshine Coast	6	2	0	0	8
15 Powell River	5	3	0	0	8
16 Mount Waddington	1	3	0	0	4
16a Central Coast	0	1	0	0	1
17 Skeena-Queen Charlotte	9	4	1	0	14
18 Kitimat-Stikine	20	4	4	0	28
19 Bulkley-Nechako	14	2	3	0	19
20 Fraser-Fort George	41	10	4	4	59
21 Peace River-Liard	16	7	1	0	24
22 Stikine	1	0	0	0	1
24 Cowichan Valley	22	2	0	0	24
25 Nanaimo	43	13	4	0	60
26 Alberni-Clayoquot	12	6	1	0	19
27 Comox-Strathcona	30	10	4	0	44
Metropolitan - Subtotal	970	167	64	69	1270
13 Greater Vancouver	805	141	56	61	1063
23 Capital	165	26	8	8	207
TOTAL	1574	331	101	94	2100

[1] Definitions are as in the attached text.

Prepared By:
Health Manpower Research Unit
University of B.C.

Table 1a.2

Number of Laboratory Technologists (Members)[1] in British Columbia per 10,000 Population by Membership Status by Regional Hospital District as at July 1977

Regional Hospital District		Certified (Active)	Certified (Inactive)	Associate (Non-Certified)	Associate (Trainee)	Total
Non-Metropolitan - Subtotal		5.07	1.38	0.31	0.21	6.97
1	East Kootenay	3.56	1.67	0.63	0.21	6.07
2	Central Kootenay	4.62	1.00	0.40	0.0	6.02
2a	Kootenay Boundary	8.50	1.89	0.63	0.31	11.33
3	Okanagan-Similkameen	6.19	1.69	0.19	0.0	8.07
4	Columbia-Shuswap	4.92	1.37	0.0	0.0	6.29
5	North Okanagan	6.27	1.42	0.0	0.0	7.69
6	Central Okanagan	4.24	0.93	0.27	0.53	5.96
7	Thompson-Nicola	6.92	1.78	0.0	1.05	9.75
8	Cariboo	4.07	1.11	0.0	0.0	5.18
9	Squamish-Lillooet	3.07	0.61	1.23	0.61	5.52
10	Fraser-Cheam	5.14	1.14	0.0	0.0	6.29
11	Central Fraser Valley	5.22	1.28	0.21	0.21	6.92
12	Dewdney-Alouette	6.19	1.46	0.18	0.36	8.20
14	Sunshine Coast	4.59	1.53	0.0	0.0	6.12
15	Powell River	2.52	1.51	0.0	0.0	4.03
16	Mount Waddington	0.78	2.33	0.0	0.0	3.10
16a	Central Coast	0.0	2.39	0.0	0.0	2.39
17	Skeena-Queen Charlotte	3.96	1.76	0.44	0.0	6.16
18	Kitimat-Stikine	5.13	1.03	1.03	0.0	7.18
19	Bulkley-Nechako	4.15	0.59	0.89	0.0	5.64
20	Fraser-Fort George	4.96	1.21	0.48	0.48	7.14
21	Peace River-Liard	3.55	1.56	0.22	0.0	5.33
22	Stikine	6.41	0.0	0.0	0.0	6.41
24	Cowichan Valley	4.52	0.41	0.0	0.0	4.93
25	Nanaimo	6.65	2.01	0.62	0.0	9.28
26	Alberni-Clayoquot	3.72	1.86	0.31	0.0	5.89
27	Comox-Strathcona	5.07	1.69	0.68	0.0	7.44
Metropolitan - Subtotal		7.28	1.25	0.48	0.52	9.53
13	Greater Vancouver	7.34	1.29	0.51	0.56	9.69
23	Capital	7.00	1.10	0.34	0.34	8.78
TOTAL		6.24	1.31	0.40	0.37	8.32

[1] Definitions are as in the attached text.

Prepared By:
Health Manpower Research Unit
University of B.C.

Table 1b.1 Number of Active Laboratory Technologists(Members)[1] in British Columbia

by Level of Training by Regional Hospital District

1975 and 1977

Regional Hospital District		R.T.[2]		A.R.T.[3]		L.C.S.L.T.[4]		Total	
		1975	1977	1975	1977	1975	1977	1975	1977
Non-Metropolitan - Subtotal		402	564	31	38	2	2	435	604
1	East Kootenay	13	16	1	1	0	0	14	17
2	Central Kootenay	16	19	2	4	0	0	18	23
2a	Kootenay Boundary	21	26	0	1	0	0	21	27
3	Okanagan-Similkameen	20	31	1	2	0	0	21	33
4	Columbia-Shuswap	10	17	1	1	0	0	11	18
5	North Okanagan	23	30	1	1	0	0	24	31
6	Central Okanagan	20	29	3	3	0	0	23	32
7	Thompson-Nicola	39	59	7	6	1	1	47	66
8	Cariboo	14	22	0	0	0	0	14	22
9	Squamish-Lillooet	6	5	0	0	0	0	6	5
10	Fraser-Cheam	19	24	2	3	0	0	21	27
11	Central Fraser Valley	34	48	1	1	0	0	35	49
12	Dewdney-Alouette	16	34	0	0	0	0	16	34
14	Sunshine Coast	4	6	0	0	0	0	4	6
15	Powell River	7	5	0	0	0	0	7	5
16	Mount Waddington	2	1	0	0	0	0	2	1
16a	Central Coast	0	0	0	0	0	0	0	0
17	Skeena-Queen Charlotte	7	8	0	1	0	0	7	9
18	Kitimat-Stikine	14	18	1	1	1	1	16	20
19	Bulkley-Nechako	8	13	0	1	0	0	8	14
20	Fraser-Fort George	29	37	4	4	0	0	33	41
21	Peace River-Liard	9	15	1	1	0	0	10	16
22	Stikine	2	1	0	0	0	0	2	1
24	Cowichan Valley	15	20	1	2	0	0	16	22
25	Nanaimo	27	39	4	4	0	0	31	43
26	Alberni-Clayoquot	9	12	0	0	0	0	9	12
27	Comox-Strathcona	18	29	1	1	0	0	19	30
Metropolitan - Subtotal		654	867	86	93	10	10	750	970
13	Greater Vancouver	538	722	69	75	8	8	615	805
23	Capital	116	145	17	18	2	2	135	165
TOTAL		1056	1431	117	131	12	12	1185	1574

[1] Definitions are as in the attached text.
[2] Includes General and Subject Certification.
[3] Advanced Certification.
[4] Licentiate Certification.

Prepared by:

Health Manpower Research Unit
University of B.C.

Table 1b.2 Number of Active Laboratory Technologists(Members)[1] in British Columbia per 10,000 Population by Level of Training by Regional Hospital District 1975 and 1977

Regional Hospital District		R.T.[2]		A.R.T.[3]		L.C.S.L.T.[4]		Total	
		1975	1977	1975	1977	1975	1977	1975	1977
Non-Metropolitan - Subtotal		3.62	4.74	0.28	0.32	0.02	0.02	3.92	5.07
1	East Kootenay	2.88	3.35	0.22	0.21	0.0	0.0	3.10	3.56
2	Central Kootenay	3.32	3.82	0.42	0.80	0.0	0.0	3.74	4.62
2a	Kootenay Boundary	6.64	8.18	0.0	0.31	0.0	0.0	6.64	8.50
3	Okanagan-Similkameen	4.02	5.82	0.20	0.38	0.0	0.0	4.22	6.19
4	Columbia-Shuswap	2.89	4.65	0.29	0.27	0.0	0.0	3.18	4.92
5	North Okanagan	5.19	6.07	0.23	0.20	0.0	0.0	5.42	6.27
6	Central Okanagan	2.98	3.84	0.45	0.40	0.0	0.0	3.43	4.24
7	Thompson-Nicola	4.39	6.18	0.79	0.63	0.11	0.10	5.29	6.92
8	Cariboo	2.85	4.07	0.0	0.0	0.0	0.0	2.85	4.07
9	Squamish-Lillooet	3.94	3.07	0.0	0.0	0.0	0.0	3.94	3.07
10	Fraser-Cheam	3.77	4.57	0.40	0.57	0.0	0.0	4.17	5.14
11	Central Fraser Valley	4.15	5.11	0.12	0.11	0.0	0.0	4.27	5.22
12	Dewdney-Alouette	3.20	6.19	0.0	0.0	0.0	0.0	3.20	6.19
14	Sunshine Coast	3.35	4.59	0.0	0.0	0.0	0.0	3.35	4.59
15	Powell River	3.60	2.52	0.0	0.0	0.0	0.0	3.60	2.52
16	Mount Waddington	1.66	0.78	0.0	0.0	0.0	0.0	1.66	0.78
16a	Central Coast	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	Skeena-Queen Charlotte	3.10	3.52	0.0	0.44	0.0	0.0	3.10	3.96
18	Kitimat-Stikine	3.64	4.62	0.26	0.26	0.26	0.26	4.16	5.13
19	Bulkley-Nechako	2.54	3.86	0.0	0.30	0.0	0.0	2.54	4.15
20	Fraser-Fort George	3.79	4.48	0.52	0.48	0.0	0.0	4.31	4.96
21	Peace River-Liard	2.01	3.33	0.22	0.22	0.0	0.0	2.24	3.55
22	Stikine	13.07	6.41	0.0	0.0	0.0	0.0	13.07	6.41
24	Cowichan Valley	3.30	4.10	0.22	0.41	0.0	0.0	3.52	4.52
25	Nanaimo	4.57	6.03	0.68	0.62	0.0	0.0	5.24	6.65
26	Alberni-Clayoquot	2.80	3.72	0.0	0.0	0.0	0.0	2.80	3.72
27	Comox-Strathcona	3.26	4.90	0.18	0.17	0.0	0.0	3.44	5.07
Metropolitan - Subtotal		5.03	6.51	0.66	0.70	0.08	0.08	5.77	7.28
13	Greater Vancouver	5.01	6.58	0.64	0.68	0.07	0.07	5.73	7.34
23	Capital	5.15	6.15	0.75	0.76	0.09	0.08	5.99	7.00
TOTAL		4.38	5.67	0.49	0.52	0.05	0.05	4.92	6.24

[1] Definitions are as in the attached text.
[2] Includes General and Subject Certification.
[3] Advanced Certification.
[4] Licentiate Certification.

Prepared by:

Health Manpower Research Unit
University of B.C.

Table 1b.3

Estimated Annual Rate of Change[5]; Active Laboratory Technologists (Members)[1] in British Columbia by Level of Training by Regional Hospital District from 1975 to 1977

Regional Hospital District	R.T.[2]		A.R.T.[3]		L.C.S.L.T.[4]		Total	
	Number[6]	Ratio[7]	Number[6]	Ratio[7]	Number[6]	Ratio[7]	Number[6]	Ratio[7]
Non-Metropolitan - Subtotal	20.15	15.45	11.29	7.19	*	*	19.43	14.78
1 East Kootenay	11.54	8.07	*	*	*	*	10.71	7.29
2 Central Kootenay	9.38	7.39	*	*	*	*	13.89	11.75
2a Kootenay Boundary	11.90	11.66	*	*	*	*	14.29	14.03
3 Okanagan-Similkameen	27.50	22.40	*	*	*	*	28.57	23.40
4 Columbia-Shuswap	35.00	30.41	*	*	*	*	31.82	27.40
5 North Okanagan	15.22	8.45	*	*	*	*	14.58	7.88
6 Central Okanagan	22.50	14.40	*	*	*	*	19.57	11.79
7 Thompson-Nicola	25.64	20.45	*	*	*	*	20.21	15.39
8 Cariboo	28.57	21.44	*	*	*	*	28.57	21.44
9 Squamish-Lillooet	*	*	*	*	*	*	*	*
10 Fraser-Cheam	13.16	10.60	*	*	*	*	14.29	11.68
11 Central Fraser Valley	20.59	11.61	*	*	*	*	20.00	11.09
12 Dewdney-Alouette	56.25	46.70	*	*	*	*	56.25	46.70
14 Sunshine Coast	*	*	*	*	*	*	*	*
15 Powell River	*	*	*	*	*	*	*	*
16 Mount Waddington	*	*	*	*	*	*	*	*
16a Central Coast	*	*	*	*	*	*	*	*
17 Skeena-Queen Charlotte	*	*	*	*	*	*	*	*
18 Kitimat-Stikine	14.29	13.37	*	*	*	*	12.50	11.61
19 Bulkley-Nechako	*	*	*	*	*	*	*	*
20 Fraser-Fort George	13.79	9.09	*	*	*	*	12.12	7.54
21 Peace River-Liard	*	*	*	*	*	*	30.00	29.40
22 Stikine	*	*	*	*	*	*	*	*
24 Cowichan Valley	16.67	12.23	*	*	*	*	18.75	14.17
25 Nanaimo	22.22	16.02	*	*	*	*	19.35	13.40
26 Alberni-Clayoquot	*	*	*	*	*	*	*	*
27 Comox-Strathcona	30.56	25.20	*	*	*	*	28.95	23.69
Metropolitan - Subtotal	16.28	14.64	4.07	2.73	0.0	-1.24	14.67	13.06
13 Greater Vancouver	17.10	15.71	4.35	3.22	*	*	15.45	14.09
23 Capital	12.50	9.77	2.94	0.62	*	*	11.11	8.44
TOTAL	17.76	14.73	5.98	3.48	0.0	-2.24	16.41	13.44

[1] Definitions are as in the attached text.
[2] Includes General and Subject Certification.
[3] Advanced Certification.
[4] Licentiate Certification.
[5] A two year rate of change has been adjusted to an annual figure.
[6] Rate of change (in percent) in the number.
[7] Rate of change (in percent) in the number per 10,000 population.
* Indicates that the base for the rate of change was less than 10.

Prepared by:

Health Manpower Research Unit
University of B.C.

13. MEDICAL OFFICE ASSISTANTS (MEMBERS)

Definition: The role of the medical office assistant is extremely varied. A medical office assistant may work as a medical assistant, a medical secretary, a clinical or hospital receptionist, or a hospital admitting officer. In most cases, the medical office assistant will have the duties of a receptionist, clinical assistant and a general office assistant.

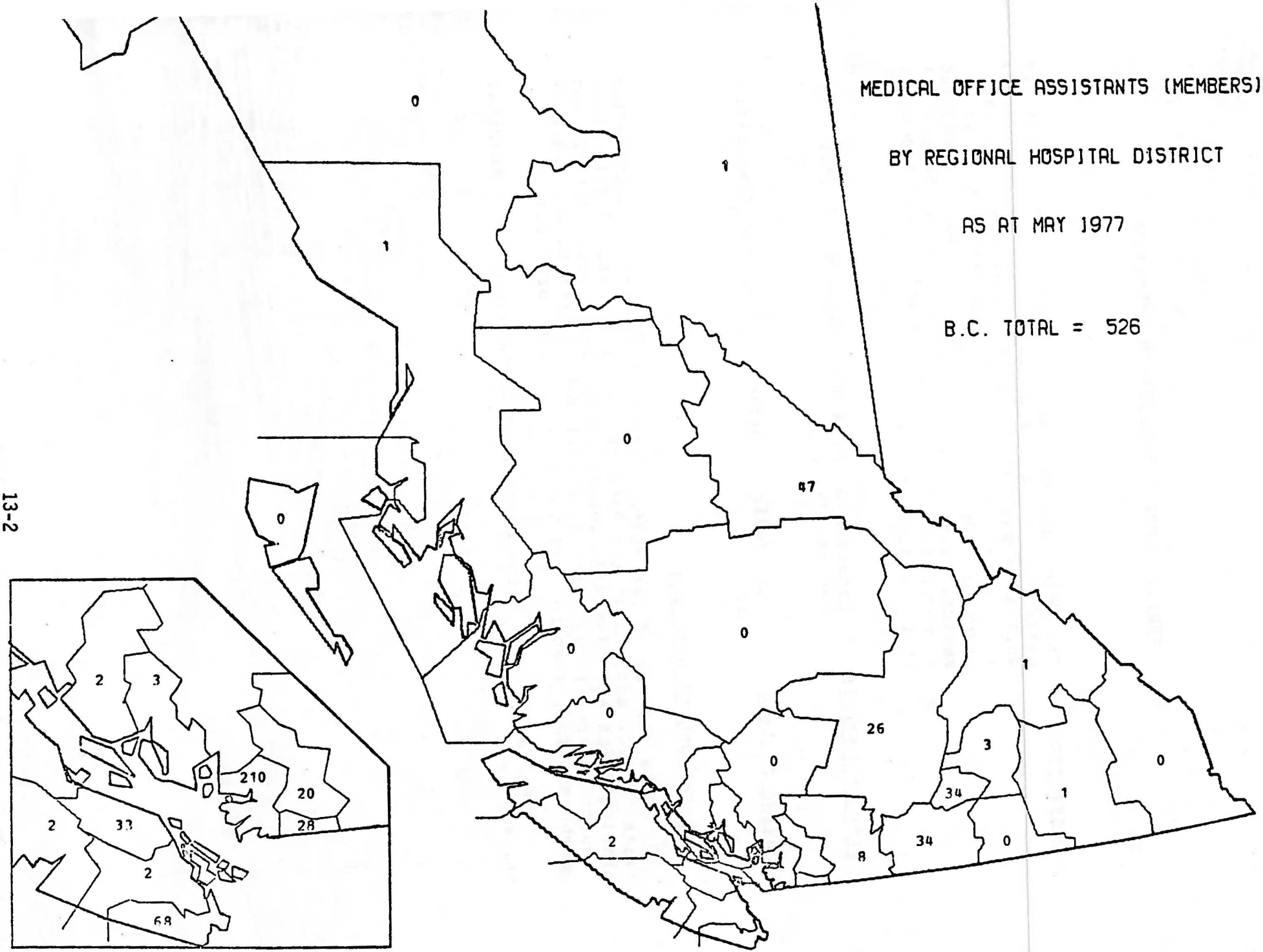
Date of Record: Location of home address as at August 1975 and May 1977.

Source of Data: The Medical Office Assistants' Association of B.C.

Preparation and Updating:

Only members of The Medical Office Assistants' Association with a B.C. address at the date of record are included in these tables which are derived solely from membership lists. Not reported are large numbers of employed assistants who are non-members; also, members need not be in current practice.

The tables show large changes in certain Regional Hospital Districts.


MEDICAL OFFICE ASSISTANTS (MEMBERS)
BY REGIONAL HOSPITAL DISTRICT
AS AT MAY 1977
B.C. TOTAL = 526
0
1
1
0
47
0
0
0
26
0
1
3
34
1
0
2
8
34
0
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2
33
2
69

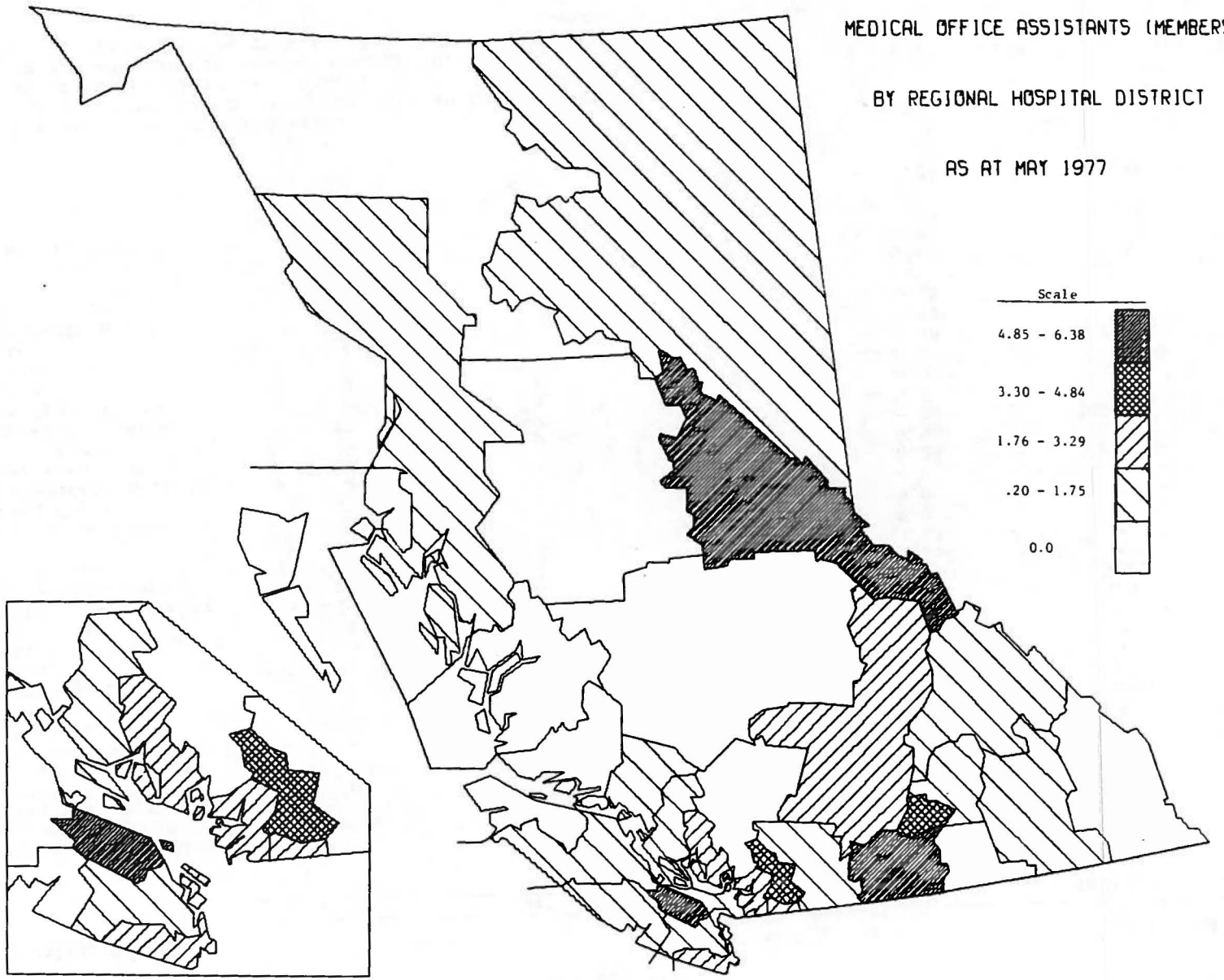
MEDICAL OFFICE ASSISTANTS (MEMBERS)
BY REGIONAL HOSPITAL DISTRICT
AS AT MAY 1977
Scale
4.85 - 6.38
3.30 - 4.84
1.76 - 3.29
.20 - 1.75
0.0

Table 1 Number of Medical Office Assistants (Members)[1] in British Columbia

by Regional Hospital District

1975 and 1977

Regional Hospital District		Number		Number per 10,000 Population		Estimated Annual Rate of Change[2]	
		1975	1977	1975	1977	Number[3]	Ratio[4]
Non-Metropolitan - Subtotal		157	248	1.41	2.08	19.32	15.80
1	East Kootenay	0	0	0.0	0.0	*	*
2	Central Kootenay	0	1	0.0	0.20	*	*
2a	Kootenay Boundary	0	0	0.0	0.0	*	*
3	Okanagan-Similkameen	2	34	0.40	6.38	*	*
4	Columbia-Shuswap	4	1	1.16	0.27	*	*
5	North Okanagan	0	3	0.0	0.61	*	*
6	Central Okanagan	36	34	5.37	4.51	-1.85	-5.37
7	Thompson-Nicola	15	26	1.69	2.73	24.44	20.48
8	Cariboo	2	0	0.41	0.0	*	*
9	Squamish-Lillooet	0	0	0.0	0.0	*	*
10	Fraser-Cheam	4	8	0.79	1.52	*	*
11	Central Fraser Valley	21	28	2.56	2.98	11.11	5.46
12	Dewdney-Alouette	22	20	4.40	3.64	-3.03	-5.75
14	Sunshine Coast	3	3	2.51	2.29	*	*
15	Powell River	2	2	1.03	1.01	*	*
16	Mount Waddington	0	0	0.0	0.0	*	*
16a	Central Coast	0	0	0.0	0.0	*	*
17	Skeena-Queen Charlotte	0	0	0.0	0.0	*	*
18	Kitimat-Stikine	4	1	1.04	0.26	*	*
19	Bulkley-Nechako	0	0	0.0	0.0	*	*
20	Fraser-Fort George	11	47	1.44	5.69	109.09	98.58
21	Peace River-Liard	0	1	0.0	0.22	*	*
22	Stikine	0	0	0.0	0.0	*	*
24	Cowichan Valley	3	2	0.66	0.41	*	*
25	Nanaimo	26	33	4.40	5.10	8.97	5.34
26	Alberni-Clayoquot	1	2	0.31	0.62	*	*
27	Comox-Strathcona	1	2	0.18	0.34	*	*
Metropolitan - Subtotal		232	278	1.79	2.09	6.61	5.62
13	Greater Vancouver	151	210	1.41	1.91	13.02	12.06
23	Capital	81	68	3.59	2.88	-5.35	-6.57
TOTAL		389	526	1.61	2.08	11.74	9.72

[1] Definitions are as in the attached text.
[2] A 21 month rate of change has been adjusted to an annual figure.
[3] Rate of change (in percent) in the number.
[4] Rate of change (in percent) in the number per 10,000 population.
* Indicates that the base for the rate of change was less than 10.

Prepared by:

Health Manpower Research Unit
University of B.C.

14. LICENSED PRACTICAL NURSES

Definition: "As defined in the Practical Nurses' Act, the Licensed Practical Nurse functions UNDER THE SUPERVISION of a registered nurse. In many settings the licensed practical nurse also works under the supervision of a registered psychiatric nurse. Employers follow the Guide issued by the British Columbia Council of Practical Nurses stating what the L.P.N. has been taught and is prepared to perform.
The Licensed Practical Nurse is primarily engaged in direct care of clients/patients in a wide variety of health care settings subject to the policies of the employing agency.
Health care agencies can be acute, extended, intermediate or personal care; home care, public health, and/or community health and mental health care." [1]

Date of Record: Location of home address as at September 1975 and September 1977.

Source of Data: British Columbia Council of Practical Nurses.

Preparation and Updating:

Notification of new registrants or change in location or type of registration is received by the Health Manpower Research Unit from the Council on a monthly basis. These updates are entered, after careful editing and reconciliation of inconsistencies, into LPNFILE, a dynamic computer-based file.

The tables are of duly licensed Practical Nurses with a B.C. address at the date of record.

With the approval of the Council, a questionnaire is distributed to the members during the renewal of their licences: data showing training, place and type of employment and area of responsibility will be reported separately by the Health Manpower Research Unit.

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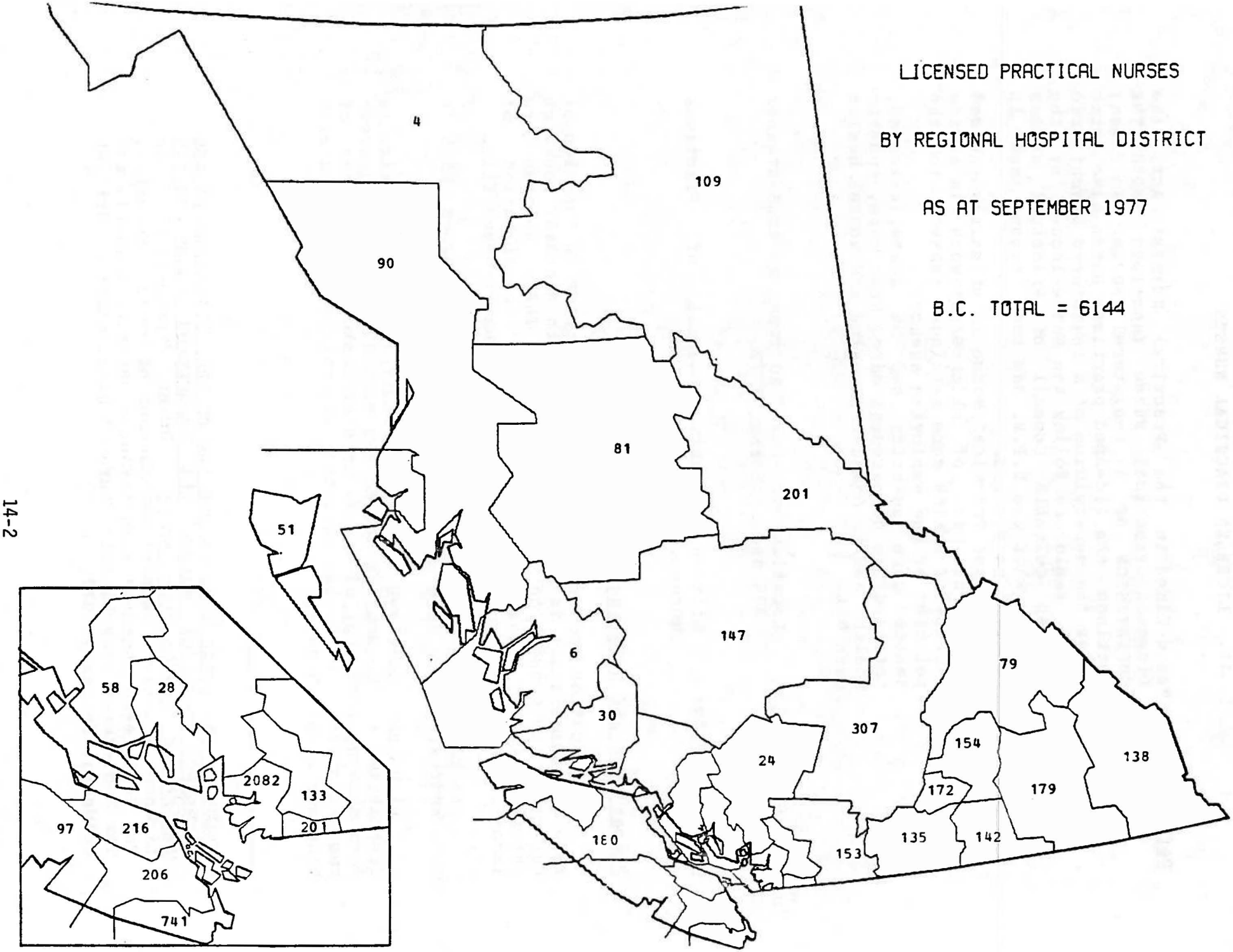
[1] Guide to the Definition of The Roles and Functions of the Licensed Practical Nurse, the Registered Nurse and the Registered Psychiatric Nurse. Joint Statement of, The Licensed Practical Nurses' Association of British Columbia, The Registered Nurses' Association of British Columbia and The Registered Psychiatric Nurses' Association of British Columbia, February 1977, p. 7.


LICENSED PRACTICAL NURSES
BY REGIONAL HOSPITAL DISTRICT
AS AT SEPTEMBER 1977
B.C. TOTAL = 6144
4
109
90
81
201
51
147
6
79
30
307
154
24
138
172
179
160
153
135
142
58
28
2082
133
97
216
201
206
741

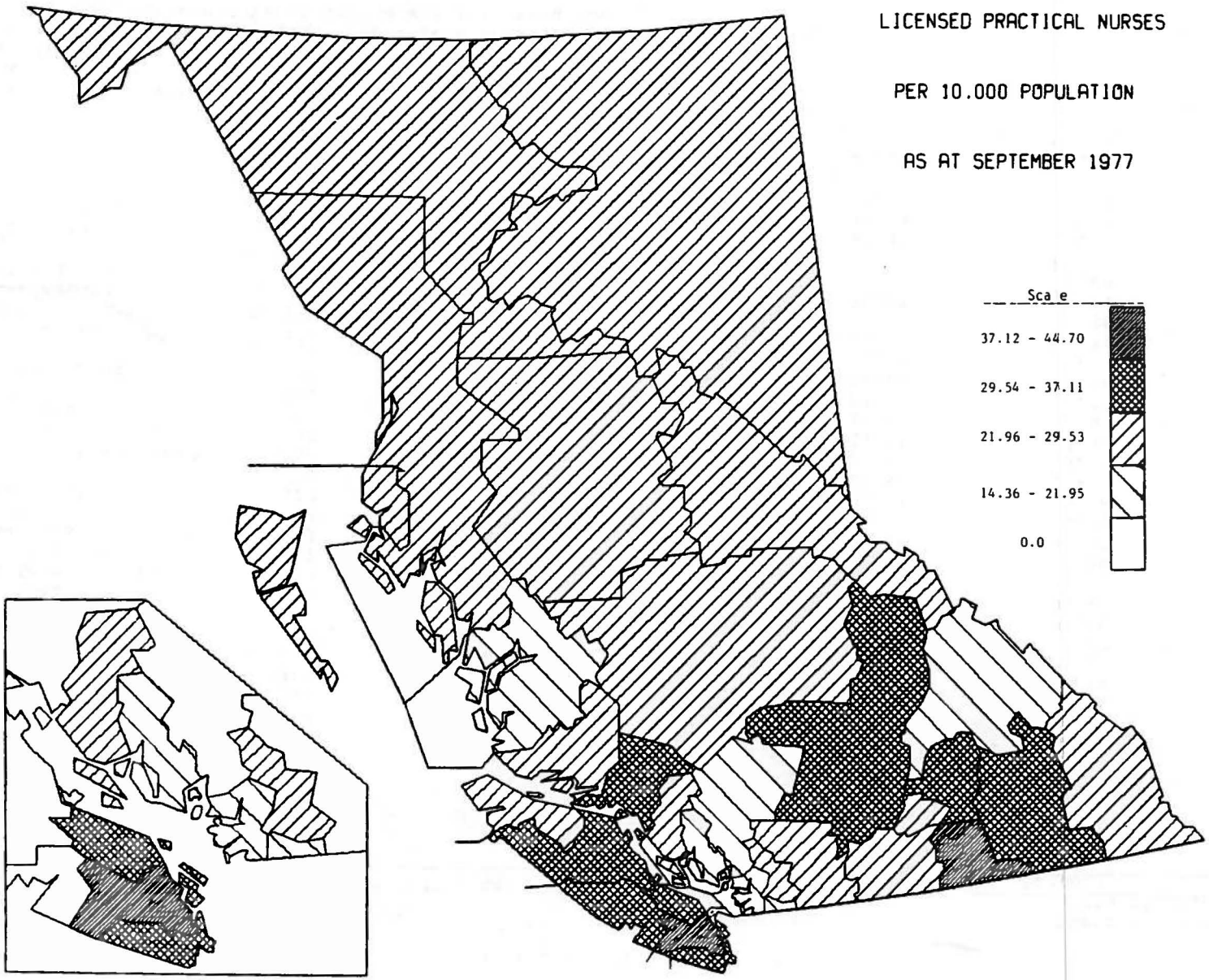

LICENSED PRACTICAL NURSES
PER 10.000 POPULATION
AS AT SEPTEMBER 1977
Sca e
37.12 - 44.70
29.54 - 37.11
21.96 - 29.53
14.36 - 21.95
0.0

Table 1

Number of Licensed Practical Nurses[1] in British Columbia

by Regional Hospital District

1975 and 1977

Regional Hospital District		Number		Number per 10,000 Population		Estimated Annual Rate of Change[2]	
		1975	1977	1975	1977	Number[3]	Ratio[4]
Non-Metropolitan - Subtotal		3022	3321	27.20	27.89	4.95	1.27
1	East Kootenay	129	138	28.60	28.87	3.49	0.48
2	Central Kootenay	148	179	30.75	35.95	10.47	8.45
2a	Kootenay Boundary	129	142	40.77	44.70	5.04	4.82
3	Okanagan-Similkameen	128	135	25.72	25.34	2.73	-0.74
4	Columbia-Shuswap	75	79	21.69	21.61	2.67	-0.17
5	North Okanagan	146	154	32.96	31.16	2.74	-2.73
6	Central Okanagan	143	172	21.33	22.79	10.14	3.42
7	Thompson-Nicola	273	307	30.73	32.18	6.23	2.37
8	Cariboo	127	147	25.83	27.19	7.87	2.62
9	Squamish-Lillooet	22	24	14.44	14.72	4.55	0.95
10	Fraser-Cheam	130	153	25.81	29.15	8.85	6.47
11	Central Fraser Valley	185	201	22.57	21.41	4.32	-2.59
12	Dewdney-Alouette	117	133	23.42	24.23	6.84	1.73
14	Sunshine Coast	23	28	19.27	21.41	10.87	5.55
15	Powell River	53	58	27.28	29.19	4.72	3.49
16	Mount Waddington	27	30	22.38	23.27	5.56	1.99
16a	Central Coast	6	6	14.32	14.36	*	*
17	Skeena-Queen Charlotte	48	51	21.25	22.43	3.13	2.78
18	Kitimat-Stikine	88	90	22.89	23.08	1.14	0.41
19	Bulkley-Nechako	81	81	25.70	24.03	0.0	-3.25
20	Fraser-Fort George	189	201	24.68	24.31	3.17	-0.75
21	Peace River-Liard	108	109	24.18	24.22	0.46	0.08
22	Stikine	2	4	13.07	25.64	*	*
24	Cowichan Valley	177	206	38.92	42.28	8.19	4.32
25	Nanaimo	211	216	35.70	33.41	1.18	-3.21
26	Alberni-Clayoquot	90	97	28.05	30.07	3.89	3.60
27	Comox-Strathcona	167	180	30.24	30.43	3.89	0.31
Metropolitan - Subtotal		2717	2823	20.91	21.19	1.95	0.66
13	Greater Vancouver	1980	2082	18.44	18.99	2.58	1.48
23	Capital	737	741	32.69	31.43	0.27	-1.93
TOTAL		5739	6144	23.81	24.35	3.53	1.14

[1] Definitions are as in the attached text.
[2] A two year rate of change has been adjusted to an annual figure.
[3] Rate of change (in percent) in the number.
[4] Rate of change (in percent) in the number per 10,000 population.
* Indicates that the base for the rate of change was less than 10.

Prepared by:

Health Manpower Research Unit
University of B.C.

15. REGISTERED PSYCHIATRIC NURSES

Definition: "The Registered Psychiatric Nurse (R.P.N.) gives psychiatric/mental health nursing care to enable individuals, families and groups to function at their optimal level of psychological well-being by developing more effective adaptive behaviours and by increasing their resilience to stress.

The R.P.N. must be competent to provide basic physical nursing skills and must also have a highly developed level of communication skills (verbal/non-verbal/ written).

The Registered Psychiatric Nurse works with children, adolescents and adults with maladaptive behaviour and/or those who are mentally handicapped.

He/she may work as a member of the health care team or independently, utilizing appropriate consultation.

He/she may be employed in an inpatient facility (institution, psychiatric unit of a general hospital, mental health centre) or, with suitable academic preparation and/or experience, in a community setting." [1]

Date of Record: Location of home address as at August 1975 and March 1977.

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

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[1] Guide to the Definition of The Roles and Functions of the Licensed Practical Nurse, the Registered Nurse and the Registered Psychiatric Nurse. Joint Statement of, The Licensed Practical Nurses' Association of British Columbia, The Registered Nurses' Association of British Columbia and The Registered Psychiatric Nurses' Association of British Columbia, February 1977, p. 15.

Preparation and Updating:

All Psychiatric Nurses registered to practice in B.C. by the Registered Psychiatric Nurses' Association of British Columbia and with a B.C. address at the date of record are included in the tables.

In cooperation with the Association, the Health Manpower Research Unit distributed a manpower questionnaire to collect information on training and employment. The final response rate for this questionnaire was 71.0%.

Definitions:

1. Employment Status

Psychiatric Nurses in Tables 1b were classified according to their response to a question on their principal employment status. These categories are:

Employed in Psychiatric Nursing on a regular basis

Employed in Psychiatric Nursing on a casual basis

Employed in nursing (not psychiatry)

Employed in other fields

Not employed

2. Estimated Number

Tables 1c.1 and 1c.2 distribute the non-respondents to the questionnaire among the employment status categories.
This is accomplished by assigning the non-respondents to employment categories based on the proportions found for the respondents in that regional hospital district.

3. Type of Employing Institution

Psychiatric Nurses were asked to indicate their principal type of employing institution. Categories used in Table 2 are:

General Hospital
Rehab. Hospital
Extended Care/Chronic Hospital
Psychiatric Hospital
Psycho-Geriatric Hospital
Occupational Health
Nursing Home
Public Health Agency
Physician's Office
Home Care/Visiting
Mental Health Centre
Educational Institution
Mental Retardation Agency
Other fields

4. Area of Responsibility

Respondents who indicated that they were employed were asked to check their principal Area of Responsibility from the categories shown in Table 3a.

5. Type of Position

Similarly, respondents who indicated that they were employed in Psychiatric Nursing were classified according to their position with their principal employer as at August 1977. Categories used in Table 3b.1 are:

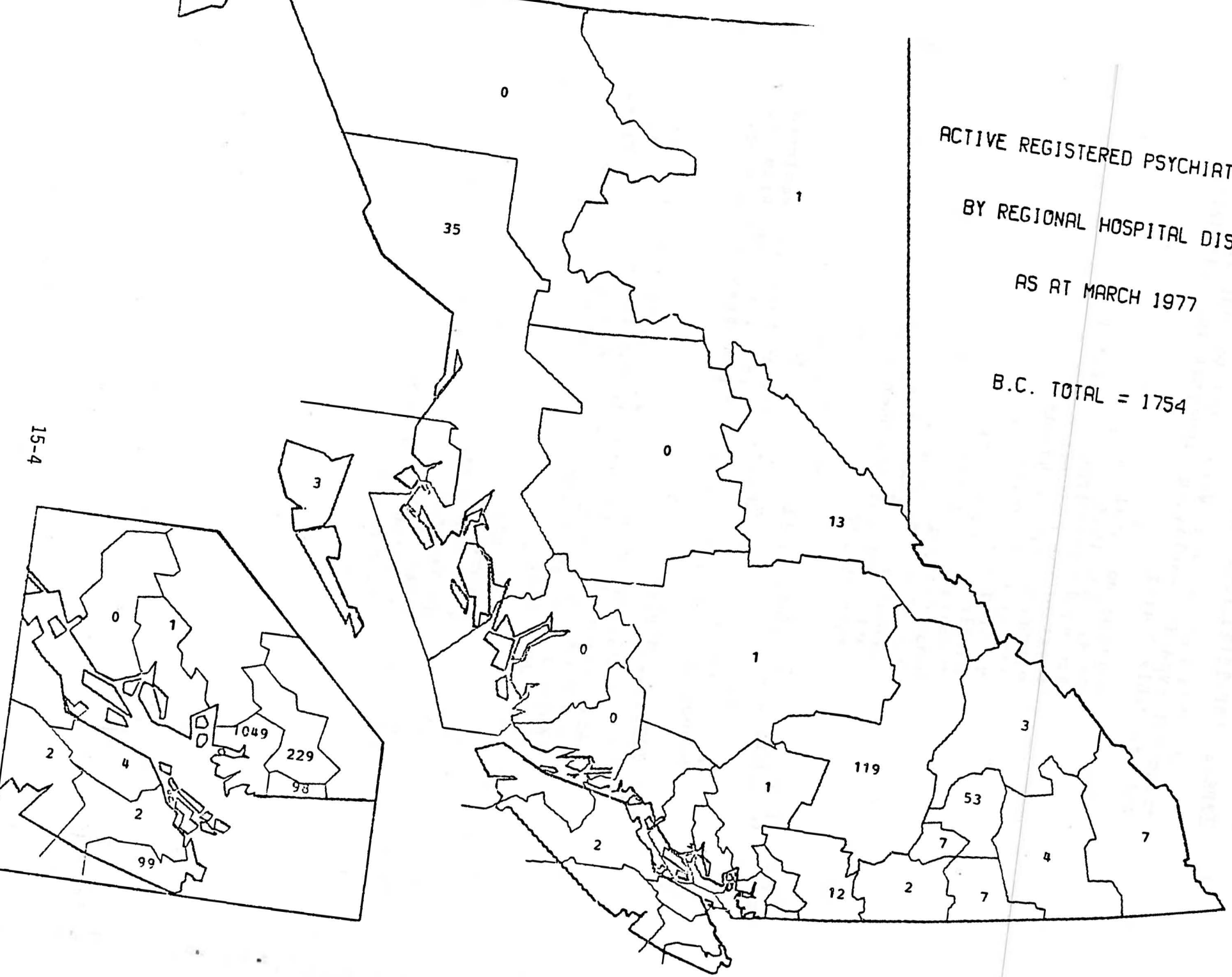
director
supervisor
clinical specialist
instructor
head nurse
assistant head nurse
general staff
other

ACTIVE REGISTERED PSYCHIATRIC NURSES

BY REGIONAL HOSPITAL DISTRICT

AS AT MARCH 1977

B.C. TOTAL = 1754



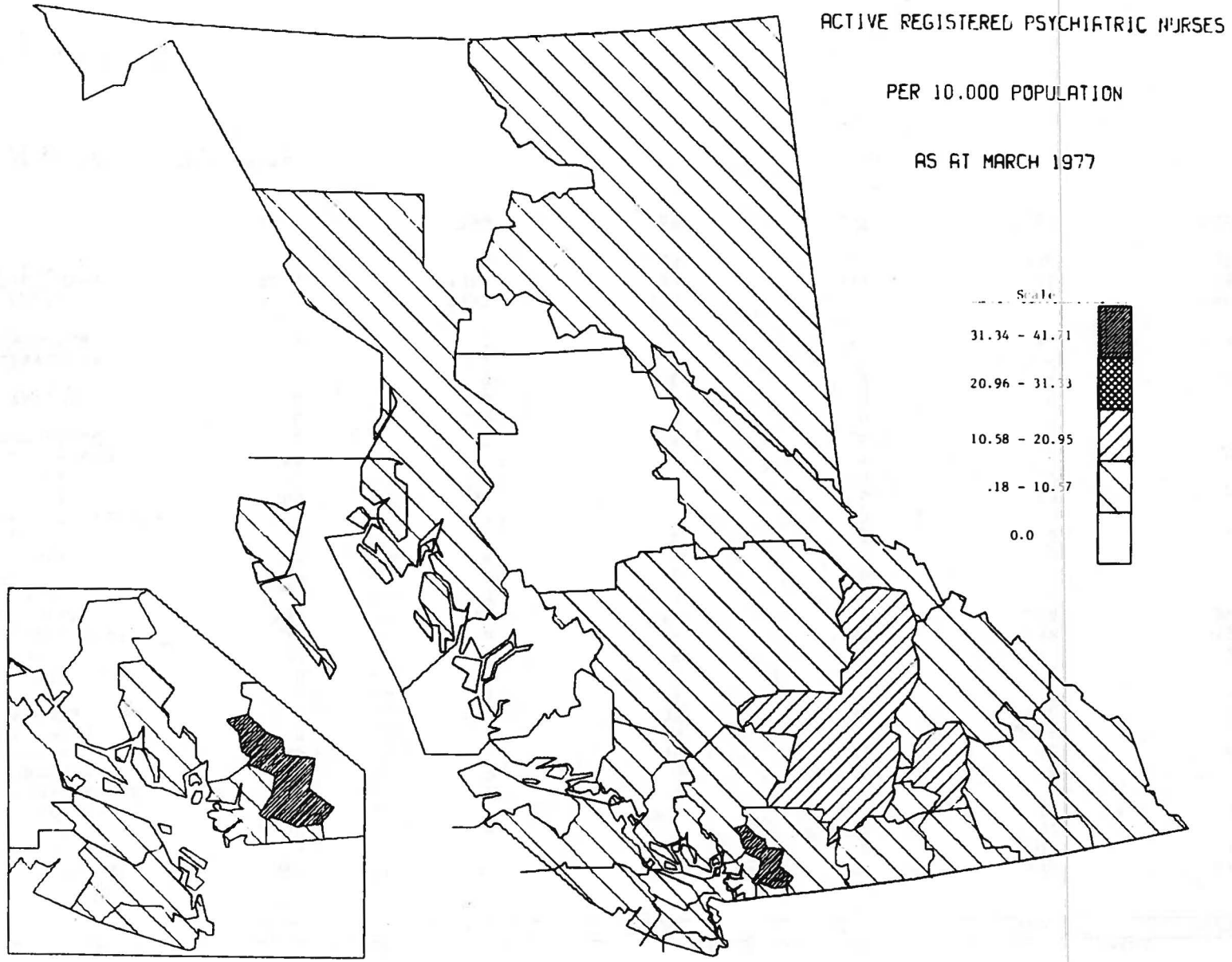

ACTIVE REGISTERED PSYCHIATRIC NURSES
PER 10,000 POPULATION
AS AT MARCH 1977
Scale
31.34 - 41.71
20.96 - 31.33
10.58 - 20.95
.18 - 10.57
0.0

Table 1a.1

Number of Registered Psychiatric Nurses[1] in British Columbia by Registration Status by Regional Hospital District 1975 and 1977

Regional Hospital District		Active		Inactive		Total	
		1975	1977	1975	1977	1975	1977
Non-Metropolitan - Subtotal		529	606	247	264	776	870
1	East Kootenay	4	7	8	6	12	13
2	Central Kootenay	5	4	7	3	12	7
2a	Kootenay Boundary	6	7	4	4	10	11
3	Okanagan-Similkameen	1	2	4	6	5	8
4	Columbia-Shuswap	3	3	3	5	6	8
5	North Okanagan	46	53	10	11	56	64
6	Central Okanagan	9	7	9	17	18	24
7	Thompson-Nicola	110	119	30	32	140	151
8	Cariboo	3	1	6	11	9	12
9	Squamish-Lillooet	0	1	2	4	2	5
10	Fraser-Cheam	11	12	5	8	16	20
11	Central Fraser Valley	73	98	45	40	118	138
12	Dewdney-Alouette	195	229	59	60	254	289
14	Sunshine Coast	0	1	1	2	1	3
15	Powell River	0	0	0	0	0	0
16	Mount Waddington	0	0	0	2	0	2
16a	Central Coast	0	0	0	0	0	0
17	Skeena-Queen Charlotte	1	3	4	2	5	5
18	Kitimat-Stikine	43	35	8	6	51	41
19	Bulkley-Nechako	1	0	6	9	7	9
20	Fraser-Fort George	11	13	9	7	20	20
21	Peace River-Liard	2	1	5	4	7	5
22	Stikine	0	0	0	0	0	0
24	Cowichan Valley	0	2	4	3	4	5
25	Nanaimo	2	4	6	8	8	12
26	Alberni-Clayoquot	1	2	4	4	5	6
27	Comox-Strathcona	2	2	8	10	10	12
Metropolitan - Subtotal		1118	1148	308	337	1426	1485
13	Greater Vancouver	1026	1049	284	310	1310	1359
23	Capital	92	99	24	27	116	126
TOTAL		1647	1754	555	601	2202	2355

[1] Definitions are as in the attached text.

Prepared by:

Health Manpower Research Unit
University of B.C.

Table 1a.2

Number of Registered Psychiatric Nurses[1] in British Columbia

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

1975 and 1977

Regional Hospital District		Active		Inactive		Total	
		1975	1977	1975	1977	1975	1977
Non-Metropolitan - Subtotal		4.76	5.09	2.22	2.22	6.99	7.31
1	East Kootenay	0.89	1.46	1.77	1.26	2.66	2.72
2	Central Kootenay	1.04	0.80	1.45	0.60	2.49	1.41
2a	Kootenay Boundary	1.90	2.20	1.26	1.26	3.16	3.46
3	Okanagan-Similkameen	0.20	0.38	0.80	1.13	1.00	1.50
4	Columbia-Shuswap	0.87	0.82	0.87	1.37	1.73	2.19
5	North Okanagan	10.38	10.72	2.26	2.23	12.64	12.95
6	Central Okanagan	1.34	0.93	1.34	2.25	2.69	3.18
7	Thompson-Nicola	12.38	12.47	3.38	3.35	15.76	15.83
8	Cariboo	0.61	0.18	1.22	2.03	1.83	2.22
9	Squamish-Lillooet	0.0	0.61	1.31	2.45	1.31	3.07
10	Fraser-Cheam	2.18	2.29	0.99	1.52	3.18	3.81
11	Central Fraser Valley	8.91	10.44	5.49	4.26	14.40	14.70
12	Dewdney-Alouette	39.03	41.71	11.81	10.93	50.84	52.64
14	Sunshine Coast	0.0	0.76	0.84	1.53	0.84	2.29
15	Powell River	0.0	0.0	0.0	0.0	0.0	0.0
16	Mount Waddington	0.0	0.0	0.0	1.55	0.0	1.55
16a	Central Coast	0.0	0.0	0.0	0.0	0.0	0.0
17	Skeena-Queen Charlotte	0.44	1.32	1.77	0.88	2.21	2.20
18	Kitimat-Stikine	11.19	8.98	2.08	1.54	13.27	10.51
19	Bulkley-Nechako	0.32	0.0	1.90	2.67	2.22	2.67
20	Fraser-Fort George	1.44	1.57	1.18	0.85	2.61	2.42
21	Peace River-Liard	0.45	0.22	1.12	0.89	1.57	1.11
22	Stikine	0.0	0.0	0.0	0.0	0.0	0.0
24	Cowichan Valley	0.0	0.41	0.88	0.62	0.88	1.03
25	Nanaimo	0.34	0.62	1.02	1.24	1.35	1.86
26	Alberni-Clayoquot	0.31	0.62	1.25	1.24	1.56	1.86
27	Comox-Strathcona	0.36	0.34	1.45	1.69	1.81	2.03
Metropolitan - Subtotal		8.60	8.62	2.37	2.53	10.98	11.15
13	Greater Vancouver	9.55	9.57	2.64	2.83	12.20	12.39
23	Capital	4.08	4.20	1.06	1.15	5.15	5.34
TOTAL		6.83	6.95	2.30	2.38	9.14	9.33

[1] Definitions are as in the attached text.

Prepared by:

Health Manpower Research Unit
University of B.C.

Table 1a.3 Estimated Annual Rate of Change[4]; Registered Psychiatric Nurses[1]

in British Columbia by Registration Status by Regional Hospital District

from 1975 to 1977

Regional Hospital District		Active		Inactive		Total	
		Number[2]	Ratio[3]	Number[2]	Ratio[3]	Number[2]	Ratio[3]
Non-Metropolitan - Subtotal		9.19	4.35	4.35	-0.17	7.65	2.91
1	East Kootenay	*	*	*	*	5.26	1.41
2	Central Kootenay	*	*	*	*	-26.32	-27.55
2a	Kootenay Boundary	*	*	*	*	6.32	6.04
3	Okanagan-Similkameen	*	*	*	*	*	*
4	Columbia-Shuswap	*	*	*	*	*	*
5	North Okanagan	9.61	2.06	6.32	-0.89	9.02	1.53
6	Central Okanagan	*	*	*	*	21.05	11.65
7	Thompson-Nicola	5.17	0.48	4.21	-0.41	4.96	0.29
8	Cariboo	*	*	*	*	*	*
9	Squamish-Lillooet	*	*	*	*	*	*
10	Fraser-Cheam	5.74	2.95	*	*	15.79	12.59
11	Central Fraser Valley	21.63	10.84	-7.02	-14.16	10.70	1.31
12	Dewdney-Alouette	11.01	4.35	1.07	-4.70	8.70	2.24
14	Sunshine Coast	*	*	*	*	*	*
15	Powell River	*	*	*	*	*	*
16	Mount Waddington	*	*	*	*	*	*
16a	Central Coast	*	*	*	*	*	*
17	Skeena-Queen Charlotte	*	*	*	*	*	*
18	Kitimat-Stikine	-11.75	-12.48	*	*	-12.38	-13.11
19	Bulkley-Nechako	*	*	*	*	*	*
20	Fraser-Fort George	11.48	5.98	*	*	0.0	-4.66
21	Peace River-Liard	*	*	*	*	*	*
22	Stikine	*	*	*	*	*	*
24	Cowichan Valley	*	*	*	*	*	*
25	Nanaimo	*	*	*	*	*	*
26	Alberni-Clayoquot	*	*	*	*	*	*
27	Comox-Strathcona	*	*	*	*	12.63	7.59
Metropolitan - Subtotal		1.69	0.08	5.95	4.23	2.61	0.98
13	Greater Vancouver	1.42	0.08	5.78	4.35	2.36	1.00
23	Capital	4.81	1.83	7.89	4.79	5.44	2.44
TOTAL		4.10	1.10	5.23	2.18	4.39	1.37

[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.
[4] A 19 month rate of change has been adjusted to an annual figure.
* Indicates that the base for the rate of change was less than 10.

Prepared by:

Health Manpower Research Unit
University of B.C.

Table 1b.1

Number of Active Registered Psychiatric Nurses[1] in British Columbia by Employment Status by Regional Hospital District as at March 1977

Regional Hospital District	Employed in Psychiatric Nursing			Empl. in Nursing (not Psych)	Not Employed	Non-Respond[2]	Total
	Regular Basis	Casual Basis	Subtotal				
Non-Metropolitan - Subtotal	350	31	381	9	21	195	606
1 East Kootenay	4	1	5	0	0	2	7
2 Central Kootenay	2	0	2	0	1	1	4
2a Kootenay Boundary	7	0	7	0	0	0	7
3 Okanagan-Similkameen	0	1	1	0	1	0	2
4 Columbia-Shuswap	3	0	3	0	0	0	3
5 North Okanagan	31	4	35	1	2	15	53
6 Central Okanagan	3	2	5	0	2	0	7
7 Thompson-Nicola	81	4	85	0	3	31	119
8 Cariboo	0	0	0	0	0	1	1
9 Squamish-Lillooet	1	0	1	0	0	0	1
10 Fraser-Cheam	3	1	4	0	1	7	12
11 Central Fraser Valley	46	6	52	0	3	43	98
12 Dewdney-Alouette	134	9	143	4	2	80	229
14 Sunshine Coast	0	0	0	1	0	0	1
15 Powell River	0	0	0	0	0	0	0
16 Mount Waddington	0	0	0	0	0	0	0
16a Central Coast	0	0	0	0	0	0	0
17 Skeena-Queen Charlotte	1	0	1	0	1	1	3
18 Kitimat-Stikine	24	1	25	0	0	10	35
19 Bulkley-Nechako	0	0	0	0	0	0	-
20 Fraser-Fort George	6	2	8	1	0	4	13
21 Peace River-Liard	0	0	0	1	0	0	1
22 Stikine	0	0	0	0	0	0	0
24 Cowichan Valley	2	0	2	0	0	0	2
25 Nanaimo	0	0	0	0	4	0	4
26 Alberni-Clayoquot	1	0	1	1	0	0	2
27 Comox-Strathcona	1	0	1	0	1	0	2
Metropolitan - Subtotal	644	56	700	16	25	407	1148
13 Greater Vancouver	588	49	637	12	23	377	1049
23 Capital	56	7	63	4	2	30	99
TOTAL	994	87	1081	25	46	602	1754

[1] Definitions are as in the attached text.
[2] Includes non-respondents to this question and those who did not return the questionnaire.

Prepared By:
Health Manpower Research Unit
University of B.C.

Table 1c.1

Estimated[2] Number of Active Registered Psychiatric Nurses[1] in British Columbia by Employment Status as at March 1977

Regional Hospital District	Employed in Psychiatric Nursing: Regular Basis	Employed in Psychiatric Nursing: Casual Basis	Employed in Psychiatric Nursing: Subtotal	Empl. in Nursing (not Psych)	Not Employed	Non-Respond[3]	Total
Non-Metropolitan - Subtotal	508.3	43.9	552.2	11.5	26.3	16.0	606.0
1 East Kootenay	4.0	1.0	5.0	0.0	0.0	2.0	7.0
2 Central Kootenay	2.0	0.0	2.0	0.0	1.0	1.0	4.0
2a Kootenay Boundary	7.0	0.0	7.0	0.0	0.0	0.0	7.0
3 Okanagan-Similkameen	0.0	1.0	1.0	0.0	1.0	0.0	2.0
4 Columbia-Shuswap	3.0	0.0	3.0	0.0	0.0	0.0	3.0
5 North Okanagan	43.2	5.6	48.8	1.4	2.8	0.0	53.0
6 Central Okanagan	3.0	2.0	5.0	0.0	2.0	0.0	7.0
7 Thompson-Nicola	109.5	5.4	114.9	0.0	4.1	0.0	119.0
8 Cariboo	0.0	0.0	0.0	0.0	0.0	1.0	1.0
9 Squamish-Lillooet	1.0	0.0	1.0	0.0	0.0	0.0	1.0
10 Fraser-Cheam	3.0	1.0	4.0	0.0	1.0	7.0	12.0
11 Central Fraser Valley	82.0	10.7	92.6	0.0	5.4	0.0	98.0
12 Dewdney-Alouette	205.9	13.8	219.8	6.1	3.1	0.0	229.0
14 Sunshine Coast	0.0	0.0	0.0	1.0	0.0	0.0	1.0
15 Powell River	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16 Mount Waddington	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16a Central Coast	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Skeena-Queen Charlotte	1.0	0.0	1.0	0.0	1.0	1.0	3.0
18 Kitimat-Stikine	33.6	1.4	35.0	0.0	0.0	0.0	35.0
19 Bulkley-Nechako	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Fraser-Fort George	6.0	2.0	8.0	1.0	0.0	4.0	13.0
21 Peace River-Liard	0.0	0.0	0.0	1.0	0.0	0.0	1.0
22 Stikine	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Cowichan Valley	2.0	0.0	2.0	0.0	0.0	0.0	2.0
25 Nanaimo	0.0	0.0	0.0	0.0	4.0	0.0	4.0
26 Alberni-Clayoquot	1.0	0.0	1.0	1.0	0.0	0.0	2.0
27 Comox-Strathcona	1.0	0.0	1.0	0.0	1.0	0.0	2.0
Metropolitan - Subtotal	998.2	86.5	1084.8	24.5	38.8	0.0	1148.0
13 Greater Vancouver	917.9	76.5	994.4	18.7	35.9	0.0	1049.0
23 Capital	80.4	10.0	90.4	5.7	2.9	0.0	99.0
TOTAL	1506.5	130.4	1636.9	36.0	65.0	16.0	1754.0

[1] Definitions are as in the attached text.
[2] Estimated numbers adjusted for non-respondents (see attached text).
[3] Numbers less than 10 were not adjusted.
Numbers may not add due to rounding.

Prepared by:

Health Manpower Research Unit
University of B.C.

Table 1c.2

Estimated[2] Number of Active Registered Psychiatric Nurses[1] in British Columbia per 10,000 Population by Employment Status as at March 1977

Regional Hospital District	Employed in Psychiatric Nursing			Empl. in Nursing (not Psych)	Not Employed	Non-Respond[3]	Total
	Regular Basis	Casual Basis	Subtotal				
Non-Metropolitan - Subtotal	4.27	0.37	4.64	0.10	0.22	0.13	5.09
1 East Kootenay	0.84	0.21	1.05	0.0	0.0	0.42	1.46
2 Central Kootenay	0.40	0.0	0.40	0.0	0.20	0.20	0.80
2a Kootenay Boundary	2.20	0.0	2.20	0.0	0.0	0.0	2.20
3 Okanagan-Similkameen	0.0	0.19	0.19	0.0	0.19	0.0	0.38
4 Columbia-Shuswap	0.82	0.0	0.82	0.0	0.0	0.0	0.82
5 North Okanagan	8.75	1.13	9.88	0.28	0.56	0.0	10.72
6 Central Okanagan	0.40	0.27	0.66	0.0	0.27	0.0	0.93
7 Thompson-Nicola	11.48	0.57	12.05	0.0	0.43	0.0	12.47
8 Cariboo	0.0	0.0	0.0	0.0	0.0	0.18	0.18
9 Squamish-Lillooet	0.61	0.0	0.61	0.0	0.0	0.0	0.61
10 Fraser-Cheam	0.57	0.19	0.76	0.0	0.19	1.33	2.29
11 Central Fraser Valley	8.73	1.14	9.87	0.0	0.57	0.0	10.44
12 Dewdney-Alouette	37.52	2.52	40.03	1.12	0.56	0.0	41.71
14 Sunshine Coast	0.0	0.0	0.0	0.76	0.0	0.0	0.76
15 Powell River	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16 Mount Waddington	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16a Central Coast	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Skeena-Queen Charlotte	0.44	0.0	0.44	0.0	0.44	0.44	1.32
18 Kitimat-Stikine	8.62	0.36	8.98	0.0	0.0	0.0	8.98
19 Bulkley-Nechako	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Fraser-Fort George	0.73	0.24	0.97	0.12	0.0	0.48	1.57
21 Peace River-Liard	0.0	0.0	0.0	0.22	0.0	0.0	0.22
22 Stikine	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Cowichan Valley	0.41	0.0	0.41	0.0	0.0	0.0	0.41
25 Nanaimo	0.0	0.0	0.0	0.0	0.62	0.0	0.62
26 Alberni-Clayoquot	0.31	0.0	0.31	0.31	0.0	0.0	0.62
27 Comox-Strathcona	0.17	0.0	0.17	0.0	0.17	0.0	0.34
Metropolitan - Subtotal	7.49	0.65	8.14	0.18	0.29	0.0	8.62
13 Greater Vancouver	8.37	0.70	9.07	0.17	0.33	0.0	9.57
23 Capital	3.41	0.43	3.83	0.24	0.12	0.0	4.20
TOTAL	5.97	0.52	6.49	0.14	0.26	0.06	6.95

[1] Definitions are as in the attached text.
[2] Estimated numbers adjusted for non-respondents (see attached text).
[3] Numbers less than 10 were not adjusted.
Numbers may not add due to rounding.

Prepared by:

Health Manpower Research Unit
University of B.C.

Table 2.1

Number of Active Registered Psychiatric Nurses[1] in British Columbia

by Type of Employing Institution by Regional Hospital District

as at March 1977

Regional Hospital District		Hospital						Occupational Health	Nursing Home	Subtotal
		General	Rehab.	Ext.Care/ Chronic	Psychiatric	Psycho-Geriatric	Subtotal			
Non-Metropolitan - Subtotal		25	2	3	117	86	233	0	4	237
1	East Kootenay	5	0	0	0	0	5	0	0	5
2	Central Kootenay	2	0	0	0	0	2	0	0	2
2a	Kootenay Boundary	6	0	0	1	0	7	0	0	7
3	Okanagan-Similkameen	1	0	0	0	0	1	0	0	1
4	Columbia-Shuswap	0	0	0	0	1	1	0	0	1
5	North Okanagan	0	0	2	1	26	29	0	0	29
6	Central Okanagan	2	0	0	1	1	4	0	1	5
7	Thompson-Nicola	0	1	0	2	0	3	0	0	3
8	Cariboo	0	0	0	0	0	0	0	0	0
9	Squamish-Lillooet	0	0	0	1	0	1	0	0	1
10	Fraser-Cheam	2	0	0	0	0	2	0	0	2
11	Central Fraser Valley	1	0	0	28	4	33	0	1	34
12	Dewdney-Alouette	0	1	1	83	31	116	0	1	117
14	Sunshine Coast	0	0	0	0	0	0	0	0	0
15	Powell River	0	0	0	0	0	0	0	0	0
16	Mount Waddington	0	0	0	0	0	0	0	0	0
16a	Central Coast	0	0	0	0	0	0	0	0	0
17	Skeena-Queen Charlotte	0	0	0	0	0	0	0	0	0
18	Kitimat-Stikine	0	0	0	0	23	23	0	0	23
19	Bulkley-Nechako	0	0	0	0	0	0	0	0	0
20	Fraser-Fort George	6	0	0	0	0	6	0	0	6
21	Peace River-Liard	0	0	0	0	0	0	0	0	0
22	Stikine	0	0	0	0	0	0	0	0	0
24	Cowichan Valley	0	0	0	0	0	0	0	0	0
25	Nanaimo	0	0	0	0	0	0	0	0	0
26	Alberni-Clayoquot	0	0	0	0	0	0	0	0	0
27	Comox-Strathcona	0	0	0	0	0	0	0	1	1
Metropolitan - Subtotal		25	1	6	294	84	410	0	4	414
13	Greater Vancouver	17	1	6	281	83	388	0	2	390
23	Capital	8	0	0	13	1	22	0	2	24
TOTAL		50	3	9	411	170	643	0	8	651

[1] Definitions are as in the attached text.

Prepared By:
Health Manpower Research Unit
University of B.C.

Table 2.1
(continued)

Number of Active Registered Psychiatric Nurses[1] in British Columbia

by Type of Employing Institution by Regional Hospital District

as at March 1977

Regional Hospital District	Public Health Agency	Physician Office	Home Care/ Visiting	Mental Health Centre	Educ. Institution	Mental Retard. Agency	Other	Not Applicable[2]	Total
Non-Metropolitan - Subtotal	0	0	0	10	0	110	21	228	606
1 East Kootenay	0	0	0	0	0	0	0	2	7
2 Central Kootenay	0	0	0	0	0	0	0	2	4
2a Kootenay Boundary	0	0	0	0	0	0	0	0	7
3 Okanagan-Similkameen	0	0	0	0	0	0	0	1	2
4 Columbia-Shuswap	0	0	0	0	0	2	0	0	3
5 North Okanagan	0	0	0	0	0	0	3	21	53
6 Central Okanagan	0	0	0	0	0	0	0	2	7
7 Thompson-Nicola	0	0	0	0	0	80	2	34	119
8 Caribco	0	0	0	0	0	1	0	0	1
9 Squamish-Lillooet	0	0	0	0	0	0	0	0	1
10 Fraser-Cheam	0	0	0	0	0	0	2	8	12
11 Central Fraser Valley	0	0	0	2	0	12	4	46	98
12 Dewdney-Alouette	0	0	0	2	0	14	9	87	229
14 Sunshine Coast	0	0	0	0	0	0	0	1	1
15 Powell River	0	0	0	0	0	0	0	0	0
16 Mount Waddington	0	0	0	0	0	0	0	0	0
16a Central Coast	0	0	0	0	0	0	0	0	0
17 Skeena-Queen Charlotte	0	0	0	1	0	0	0	2	3
18 Kitimat-Stikine	0	0	0	2	0	0	0	10	25
19 Bulkley-Nechako	0	0	0	0	0	0	0	0	0
20 Fraser-Fort George	0	0	0	1	0	0	1	5	13
21 Peace River-Liard	0	0	0	0	0	0	0	1	1
22 Stikine	0	0	0	0	0	0	0	0	0
24 Cowichan Valley	0	0	0	1	0	1	0	0	2
25 Nanaimo	0	0	0	0	0	0	0	4	4
26 Alberni-Clayoquot	0	0	0	1	0	0	0	1	2
27 Comox-Strathcona	0	0	0	0	0	0	0	1	2
Metropolitan - Subtotal	1	0	0	48	2	219	15	449	1148
13 Greater Vancouver	1	0	0	45	2	187	12	412	1049
23 Capital	0	0	0	3	0	32	3	37	99
TOTAL	1	0	0	58	2	329	36	677	1754

[1] Defiritions are as in the attached text.
[2] Includes non-respondents to this question, those who did not return the questionnaire and those who are not employed.

Prepared By:
Health Manpower Research Unit
University of B.C.

Table 3a.1

Number of Active Registered Psychiatric Nurses[1] in British Columbia by Principal Area of Responsibility by Regional Hospital District as at March 1977

Regional Hospital District	Medical/ Surgical	Maternity/ Newborn	Psych- iatric	Paed- iatrics	Psycho- Geriatrics	Community Mental Health	Subtotal
Non-Metropolitan - Subtotal	5	0	106	14	92	8	225
1 East Kootenay	0	0	5	0	0	0	5
2 Central Kootenay	0	0	2	0	0	0	2
2a Kootenay Boundary	0	0	6	0	0	0	6
3 Okanagan-Similkameen	0	0	0	0	0	0	0
4 Columbia-Shuswap	0	0	0	0	1	0	1
5 North Okanagan	0	0	1	0	25	0	26
6 Central Okanagan	0	0	2	0	2	0	4
7 Thompson-Nicola	1	0	6	12	2	0	21
8 Cariboo	0	0	0	0	0	0	0
9 Squamish-Lillooet	1	0	0	0	0	0	1
10 Fraser-Cheam	0	0	2	0	0	0	2
11 Central Fraser Valley	0	0	26	0	10	0	36
12 Dewdney-Alouette	3	0	50	2	37	3	95
14 Sunshine Coast	0	0	0	0	0	0	0
15 Powell River	0	0	0	0	0	0	0
16 Mount Waddington	0	0	0	0	0	0	0
16a Central Coast	0	0	0	0	0	0	0
17 Skeena-Queen Charlotte	0	0	0	0	0	1	1
18 Kitimat-Stikine	0	0	0	0	15	1	16
19 Bulkley-Nechako	0	0	0	0	0	0	0
20 Fraser-Fort George	0	0	6	0	0	1	7
21 Peace River-Liard	0	0	0	0	0	0	0
22 Stikine	0	0	0	0	0	0	0
24 Cowichan Valley	0	0	0	0	0	1	1
25 Nanaimo	0	0	0	0	0	0	0
26 Alberni-Clayoquot	0	0	0	0	0	1	1
27 Comox-Strathcona	0	0	0	0	0	0	0
Metropolitan - Subtotal	16	1	261	33	108	23	442
13 Greater Vancouver	16	1	242	27	107	21	414
23 Capital	0	0	19	6	1	2	28
TOTAL	21	1	367	47	200	31	667

[1] Definitions are as in the attached text.

Prepared By:
Health Manpower Research Unit
University of B.C.

Table 3a.1
(continued)

Number of Active Registered Psychiatric Nurses[1] in British Columbia

by Principal Area of Responsibility by Regional Hospital District

as at March 1977

Regional Hospital District	Mental Retard-ation	Adminis-tration	Teaching	Combined Admin. & Teaching	Other	Not Applicable[2]	Total
Non-Metropolitan - Subtotal	33	48	17	37	3	243	606
1 East Kootenay	0	0	0	0	0	2	7
2 Central Kootenay	0	0	0	0	0	2	4
2a Kootenay Boundary	0	0	1	0	0	0	7
3 Okanagan-Similkameen	0	1	0	0	0	1	2
4 Columbia-Shuswap	0	2	0	0	0	0	3
5 North Okanagan	0	5	1	1	0	20	53
6 Central Okanagan	0	0	0	0	0	3	7
7 Thompson-Nicola	28	9	4	13	1	43	119
8 Cariboo	0	0	0	1	0	0	1
9 Squamish-Lillooet	0	0	0	0	0	0	1
10 Fraser-Cheam	0	0	2	0	0	8	12
11 Central Fraser Valley	4	4	2	2	0	50	98
12 Dewdney-Alouette	0	22	6	15	2	89	229
14 Sunshine Coast	0	0	0	0	0	1	1
15 Powell River	0	0	0	0	0	0	0
16 Mount Waddington	0	0	0	0	0	0	0
16a Central Coast	0	0	0	0	0	0	0
17 Skeena-Queen Charlotte	0	0	0	0	0	2	3
18 Kitimat-Stikine	0	5	1	3	0	10	35
19 Bulkley-Nechako	0	0	0	0	0	0	0
20 Fraser-Fort George	0	0	0	1	0	5	13
21 Peace River-Liard	0	0	0	0	0	1	1
22 Stikine	0	0	0	0	0	0	0
24 Cowichan Valley	1	0	0	0	0	0	2
25 Nanaimo	0	0	0	0	0	4	4
26 Alberni-Clayoquot	0	0	0	0	0	1	2
27 Comox-Strathcona	0	0	0	1	0	1	2
Metropolitan - Subtotal	63	78	35	43	17	470	1148
13 Greater Vancouver	50	70	29	42	14	430	1049
23 Capital	13	8	6	1	3	40	99
TOTAL	96	126	52	80	20	713	1754

[1] Definitions are as in the attached text.
[2] Includes non-respondents to this question, those who did not return the questionnaire and those who are not employed.

Prepared By:
Health Manpower Research Unit
University of B.C.

Table 3b.1

Number of Active Registered Psychiatric Nurses[1] in British Columbia by Principal Type of Position by Regional Hospital District as at March 1977

Regional Hospital District	Director[3]	Super-visor[4]	Clinical Spec.	Instr-uctor	Head Nurse	Asst. Head Nurse	General Staff	Other	Not Applicable[2]	Total
Non-Metropolitan - Subtotal	5	25	3	1	29	43	253	13	234	606
1 East Kootenay	0	0	0	0	0	0	5	0	2	7
2 Central Kootenay	0	0	0	0	0	0	2	0	2	4
2a Kootenay Boundary	0	0	0	0	0	0	6	1	0	7
3 Okanagan-Similkameen	0	0	0	0	0	0	1	0	1	2
4 Columbia-Shuswap	0	0	0	0	0	0	1	2	0	3
5 North Okanagan	1	2	0	0	2	3	22	3	20	53
6 Central Okanagan	0	0	0	0	0	0	4	0	3	7
7 Thompson-Nicola	0	7	0	0	10	15	51	3	33	119
8 Cariboo	1	0	0	0	0	0	0	0	0	1
9 Squamish-Lillooet	0	0	0	0	0	0	1	0	0	1
10 Fraser-Cheam	0	0	0	0	0	0	3	0	9	12
11 Central Fraser Valley	0	3	0	0	2	2	43	0	48	98
12 Dewdney-Alouette	1	9	1	1	11	20	94	2	90	229
14 Sunshine Coast	0	0	0	0	0	0	0	0	1	1
15 Powell River	0	0	0	0	0	0	0	0	0	0
16 Mount Waddington	0	0	0	0	0	0	0	0	0	0
16a Central Coast	0	0	0	0	0	0	0	0	0	0
17 Skeena-Queen Charlotte	0	0	1	0	0	0	0	0	2	3
18 Kitimat-Stikine	1	4	1	0	4	3	12	0	10	35
19 Bulkley-Nechako	0	0	0	0	0	0	0	0	0	0
20 Fraser-Fort George	0	0	0	0	0	0	6	2	5	13
21 Peace River-Liard	0	0	0	0	0	0	0	0	1	1
22 Stikine	0	0	0	0	0	0	0	0	0	0
24 Cowichan Valley	0	0	0	0	0	0	1	0	1	2
25 Nanaimo	0	0	0	0	0	0	0	0	4	4
26 Alberni-Clayoquot	0	0	0	0	0	0	1	0	1	2
27 Comox-Strathcona	1	0	0	0	0	0	0	0	1	2
Metropolitan - Subtotal	4	29	11	4	58	77	491	14	460	1148
13 Greater Vancouver	2	23	10	4	50	76	450	13	421	1049
23 Capital	2	6	1	0	8	1	41	1	39	99
TOTAL	9	54	14	5	87	120	744	27	694	1754

[1] Definitions are as in the attached text.
[2] Includes non-respondents to this question, those who did not return the questionnaire and those who are not employed.
[3] Includes assistant Directors.
[4] Includes assistant Supervisors.

Prepared By:
Health Manpower Research Unit
University of B.C.

16. REGISTERED NURSES

Definition: "The Registered Nurse chooses to function in any one of the identified roles and performs the functions within his/her chosen role according to academic preparation, experience, established policies of the employing agency, and the terms of contracts in existence in the area of practice.
The Registered Nurse functions in a very wide variety of settings, acute, extended, intermediate and personal care; public health, home care, mental health, doctors' offices; colleges and universities. Choice of roles can be that of Practitioner, Educator, Administrator and Researcher." [1]

Date of Record: Location of home address and personal data as at July 1975 and July 1977.

Source of Data: Special computer files maintained by the Registered Nurses' Association of British Columbia.

Preparation and Updating:

Copies of the computer files at the date of record have been made available by the courtesy of the RNABC. These tapes have been updated by the Association and were analyzed by the Health Manpower Research Unit.

Only Registered Nurses known to have a B.C. address at the date of record are included. The RNABC computer system functions also for routine management and is therefore updated from a variety of sources, including publications.

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[1] Guide to the Definition of The Roles and Functions of the Licensed Practical Nurse, the Registered Nurse and the Registered Psychiatric Nurse. Joint Statement of, The Licensed Practical Nurses' Association of British Columbia, The Registered Nurses' Association of British Columbia and The Registered Psychiatric Nurses' Association of British Columbia, February 1977, p. 9.

Definitions:

1. Registration Status

Registered Nurses may hold a practising[1] or non-practising membership and may or may not be employed in the Province. At registration, nurses indicate if they are currently employed in nursing.

2. Type of Employing Institution or Agency

Type of employing institution or agency is recorded for employed practising members residing in British Columbia at the date of record. Categories are shown in Table 2.

N.B. These categorizations of the employing institutions have changed since 1975, and therefore no rates of change are shown.

3. Primary Area of Responsibility

An area of responsibility at the place of employment is recorded for employed practising members residing in British Columbia at the date of record. Categories are shown in Table 3a.

4. Employment Position

The type of position at the place of employment is recorded for employed practising members residing in British Columbia at the date of record. Categories are shown in Table 3b.

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[1] Practising nurses include the RNABC status codes: Initial, Initial (Affiliated), Practising, Practising (Affiliated), Non-Practising to Practising, Non-Practising to Practising (Affiliated).

5. Calculation of Full-Time Equivalents

Registered Nurses report their number of hours worked per week and weeks worked per year on their annual renewal form. Status factors used to estimate full-time equivalency are:

Hours per week	Factor	Weeks per Year	Factor
0	0	0	0
1-14	.2	1-14	.2
15-24	.4	15-34	.5
25-34	.7	35-47	.8
35-44	1.0	48+	1.0
45+	1.2		

The Registered Nurse equivalent is the product of these factors unless only one is available in which case that is used. The provincial average Registered Nurse equivalent is substituted for those Registered Nurses who omit the question but specify they are employed in nursing.

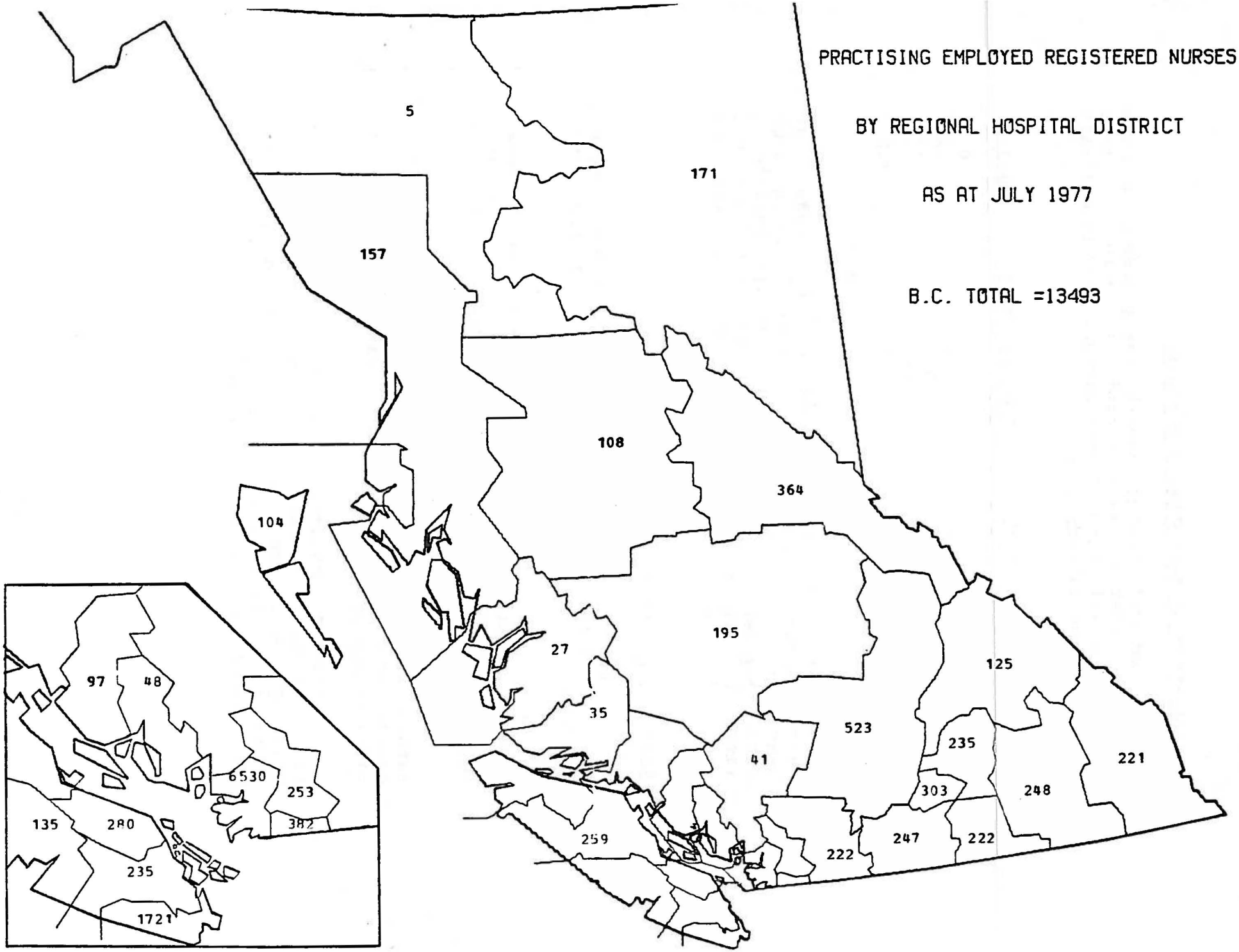
6. Analysis of Change

Table 5 shows the dynamic forces which operated to increase the stock of registered nurses from 1975 to 1977.

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".

Attrition ("Attr'n") indicates those registered nurses who, because of death, retirement or non-renewal of licensure, did not appear in the 1977 registered nurse stock.

Migration ("Migr'n") describes the net effect of intraprovincial migration: it shows the Regional Districts which lost registered nurses and those that gained at the expense of the losing districts. The net "Migration" total is therefore zero.


PRACTISING EMPLOYED REGISTERED NURSES
BY REGIONAL HOSPITAL DISTRICT
AS AT JULY 1977
B.C. TOTAL =13493
5
171
157
108
364
104
195
27
125
35
523
235
41
221
303
248
6530
253
382
135
280
259
222
247
222
235
1721
97
48

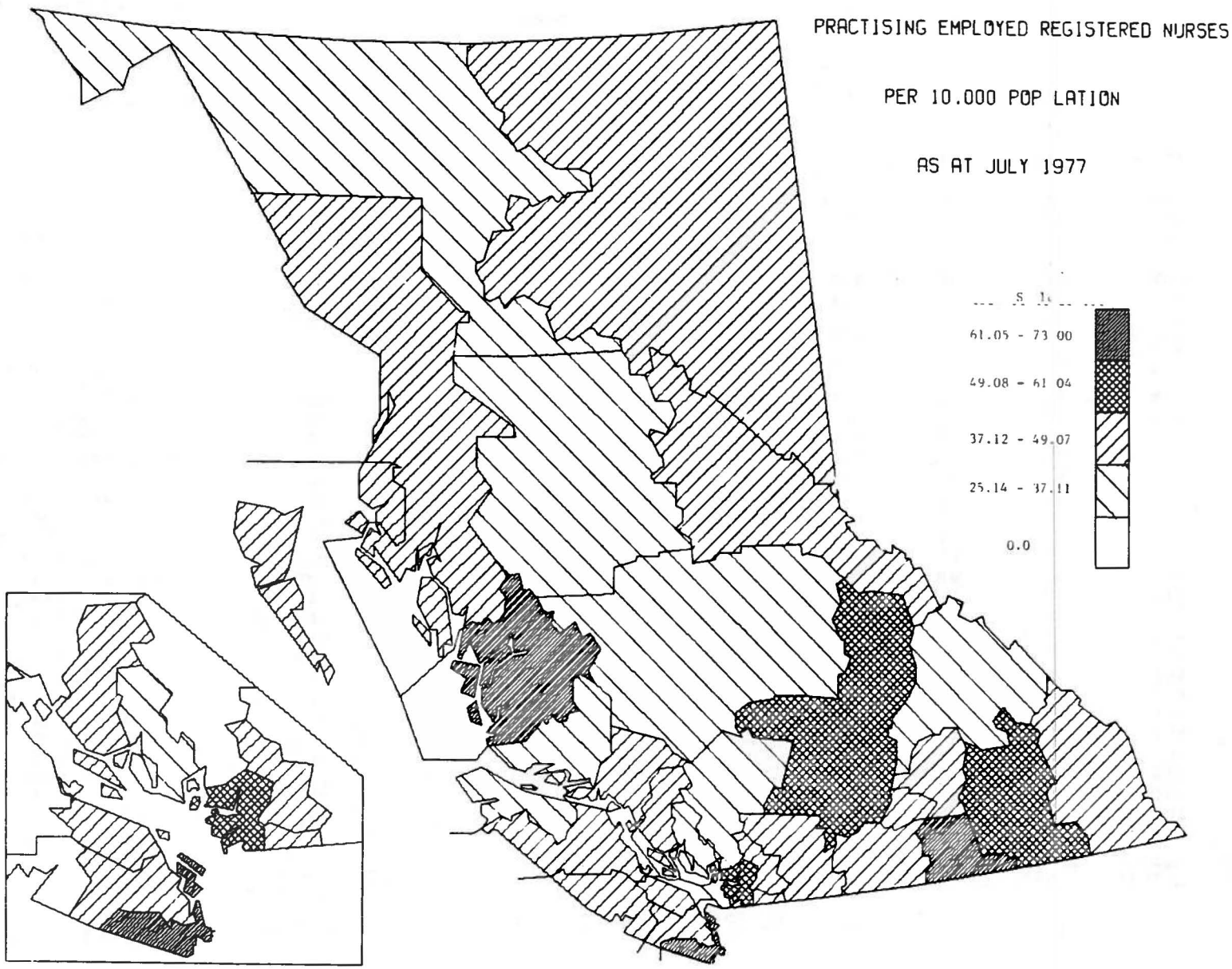

PRACTISING EMPLOYED REGISTERED NURSES
PER 10.000 POP LATION
AS AT JULY 1977
61.05 - 73 00
49.08 - 61 04
37.12 - 49.07
25.14 - 37.11
0.0

Table 1.1

Number of Registered Nurses[1] in British Columbia by Registration Status by Regional Hospital District

1975 and 1977

Regional Hospital District	Practising						Non-Practising		Total	
	Employed in Nursing		Not Employed in Nursing		Subtotal					
	1975	1977	1975	1977	1975	1977	1975	1977	1975	1977
Non-Metropolitan - Subtotal	4722	5242	634	678	5356	5920	951	1199	6307	7119
1 East Kootenay	202	221	32	29	234	250	34	50	268	300
2 Central Kootenay	209	248	28	30	237	278	41	55	278	333
2a Kootenay Boundary	187	222	26	20	213	242	26	31	239	273
3 Okanagan-Similkameen	250	247	29	38	279	285	45	57	324	342
4 Columbia-Shuswap	126	125	15	17	141	142	26	35	167	177
5 North Okanagan	213	235	26	30	239	265	39	56	278	321
6 Central Okanagan	266	303	33	43	299	346	56	76	355	422
7 Thompson-Nicola	483	523	58	62	541	585	85	102	626	687
8 Cariboo	176	195	24	24	200	219	31	49	231	268
9 Squamish-Lillooet	33	41	3	12	36	53	19	16	55	69
10 Fraser-Cheam	212	222	22	28	234	250	37	46	271	296
11 Central Fraser Valley	301	382	58	48	359	430	68	96	427	526
12 Dewdney-Alouette	210	253	30	24	240	277	33	47	273	324
14 Sunshine Coast	45	48	11	10	56	58	11	9	67	67
15 Powell River	103	97	11	11	114	108	22	28	136	136
16 Mount Waddington	25	35	9	7	34	42	11	11	45	53
16a Central Coast	21	27	0	1	21	28	4	1	25	29
17 Skeena-Queen Charlotte	92	104	11	14	103	118	19	18	122	136
18 Kitimat-Stikine	161	157	14	19	175	176	44	43	219	219
19 Bulkley-Nechako	104	108	15	24	119	132	32	28	151	160
20 Fraser-Fort George	311	364	40	45	351	409	59	72	410	481
21 Peace River-Liard	162	171	19	21	181	192	33	47	214	239
22 Stikine	7	5	0	2	7	7	1	2	8	9
24 Cowichan Valley	207	235	27	29	234	264	35	53	269	317
25 Nanaimo	257	280	37	35	294	315	56	76	350	391
26 Alberni-Clayoquot	134	135	13	18	147	153	29	29	176	182
27 Comox-Strathcona	225	259	43	37	268	296	55	66	323	362
Metropolitan - Subtotal	7625	8251	1085	1068	8710	9319	1012	1310	9722	10629
13 Greater Vancouver	6033	6530	862	854	6895	7384	786	1016	7681	8400
23 Capital	1592	1721	223	214	1815	1935	226	294	2041	2229
TOTAL	12347	13493	1719	1746	14066	15239	1963	2509	16029	17748

[1] Definitions are as in the attached text.

Prepared by:

Health Manpower Research Unit
University of B.C.

Table 1.2

Number of Registered Nurses[1] in British Columbia per 10,000 Population by Registration Status by Regional Hospital District 1975 and 1977

Regional Hospital District	Practising						Non-Practising		Total	
	Employed in Nursing		Not Employed in Nursing		Subtotal					
	1975	1977	1975	1977	1975	1977	1975	1977	1975	1977
Non-Metropolitan - Subtotal	42.51	44.03	5.71	5.69	48.21	49.72	8.56	10.07	56.77	59.79
1 East Kootenay	44.79	46.24	7.09	6.07	51.88	52.31	7.54	10.46	59.42	62.77
2 Central Kootenay	43.43	49.80	5.82	6.02	49.24	55.83	8.52	11.05	57.76	66.87
2a Kootenay Boundary	59.09	69.88	8.22	6.30	67.31	76.18	8.22	9.76	75.53	85.94
3 Okanagan-Similkameen	50.24	46.36	5.83	7.13	56.06	53.50	9.04	10.70	65.10	64.20
4 Columbia-Shuswap	36.43	34.20	4.34	4.65	40.77	38.85	7.52	9.57	48.29	48.42
5 North Okanagan	48.09	47.55	5.87	6.07	53.96	53.62	8.80	11.33	62.76	64.95
6 Central Okanagan	39.68	40.15	4.92	5.70	44.60	45.85	8.35	10.07	52.95	55.92
7 Thompson-Nicola	54.36	54.82	6.53	6.50	60.89	61.32	9.57	10.69	70.46	72.01
8 Cariboo	35.80	36.07	4.88	4.44	40.68	40.50	6.31	9.06	46.99	49.57
9 Squamish-Lillooet	21.67	25.14	1.97	7.36	23.64	32.50	12.47	9.81	36.11	42.31
10 Fraser-Cheam	42.09	42.29	4.37	5.33	46.46	47.63	7.35	8.76	53.80	56.39
11 Central Fraser Valley	36.73	40.68	7.08	5.11	43.81	45.79	8.30	10.22	52.10	56.02
12 Dewdney-Alouette	42.03	46.09	6.00	4.37	48.04	50.46	6.60	8.56	54.64	59.02
14 Sunshine Coast	37.70	36.70	9.22	7.65	46.91	44.35	9.22	6.88	56.13	51.23
15 Powell River	53.02	48.82	5.66	5.54	58.68	54.35	11.33	14.09	70.01	68.44
16 Mount Waddington	20.73	27.15	7.46	5.43	28.19	32.58	9.12	8.53	37.31	41.12
16a Central Coast	50.12	64.62	0.0	2.39	50.12	67.02	9.55	2.39	59.67	69.41
17 Skeena-Queen Charlotte	40.73	45.74	4.87	6.16	45.60	51.90	8.41	7.92	54.01	59.82
18 Kitimat-Stikine	41.88	40.26	3.64	4.87	45.53	45.13	11.45	11.03	56.97	56.16
19 Bulkley-Nechako	32.99	32.04	4.76	7.12	37.75	39.16	10.15	8.31	47.90	47.46
20 Fraser-Fort George	40.62	44.03	5.22	5.44	45.84	49.48	7.71	8.71	53.55	58.19
21 Peace River-Liard	36.26	37.99	4.25	4.67	40.52	42.66	7.39	10.44	47.90	53.10
22 Stikine	45.75	32.05	0.0	12.82	45.75	44.87	6.54	12.82	52.29	57.69
24 Cowichan Valley	45.52	48.23	5.94	5.95	51.45	54.18	7.70	10.88	59.15	65.06
25 Nanaimo	43.48	43.31	6.26	5.41	49.74	48.72	9.47	11.75	59.22	60.48
26 Alberni-Clayoquot	41.76	41.85	4.05	5.58	45.81	47.43	9.04	8.99	54.85	56.42
27 Comox-Strathcona	40.75	43.78	7.79	6.25	48.53	50.04	9.96	11.16	58.50	61.20
Metropolitan - Subtotal	58.69	61.93	8.35	8.02	67.04	69.94	7.79	9.83	74.83	79.77
13 Greater Vancouver	56.18	59.55	8.03	7.79	64.21	67.33	7.32	9.26	71.53	76.60
23 Capital	70.62	73.00	9.89	9.08	80.51	82.08	10.03	12.47	90.54	94.55
TOTAL	51.23	53.48	7.13	6.92	58.36	60.40	8.14	9.94	66.50	70.34

[1] Definitions are as in the attached text.

Prepared by:

Health Manpower Research Unit
University of B.C.

Table 1.3

Estimated Annual Rate of Change[4]; Registered Nurses[1] in British Columbia by Registration Status by Regional Hospital District from 1975 to 1977

Regional Hospital District		Practising						Non-Practising		Total	
		Employed in Nursing		Not Employed in Nursing		Subtotal					
		Number[2]	Ratio[3]	Number[2]	Ratio[3]	Number[2]	Ratio[3]	Number[2]	Ratio[3]	Number[2]	Ratio[3]
Non-Metropolitan - Subtotal		5.51	1.79	3.47	-0.11	5.27	1.56	13.04	8.82	6.44	2.66
1	East Kootenay	4.70	1.62	-4.69	-7.24	3.42	0.41	23.53	19.39	5.97	2.82
2	Central Kootenay	9.33	7.34	3.57	1.78	8.65	6.69	17.07	14.83	9.89	7.89
2a	Kootenay Boundary	9.36	9.13	-11.54	-11.69	6.81	6.59	9.62	9.38	7.11	6.89
3	Okanagan-Similkameen	-0.60	-3.85	15.52	11.20	1.08	-2.29	13.33	9.16	2.78	-0.70
4	Columbia-Shuswap	-0.40	-3.07	6.67	3.61	0.35	-2.36	17.31	13.68	2.99	0.14
5	North Okanagan	5.16	-0.56	7.69	1.71	5.44	-0.31	21.79	14.35	7.73	1.74
6	Central Okanagan	6.95	0.59	15.15	7.87	7.86	1.40	17.86	10.28	9.44	2.80
7	Thompson-Nicola	4.14	0.42	3.45	-0.22	4.07	0.35	10.00	5.88	4.87	1.10
8	Cariboo	5.40	0.37	0.0	-4.54	4.75	-0.22	29.03	21.86	8.01	2.75
9	Squamish-Lillooet	12.12	8.02	*	*	23.61	18.75	-7.89	-10.67	12.73	8.59
10	Fraser-Cheam	2.36	0.24	13.64	11.06	3.42	1.26	12.16	9.65	4.61	2.40
11	Central Fraser Valley	13.46	5.38	-8.62	-13.89	9.89	2.27	20.59	11.61	11.59	3.76
12	Dewdney-Alouette	10.24	4.82	-10.00	-13.60	7.71	2.52	21.21	14.81	9.34	4.01
14	Sunshine Coast	3.33	-1.32	-4.55	-8.51	1.79	-2.74	-9.09	-12.66	0.0	-4.37
15	Powell River	-2.91	-3.96	0.0	-1.12	-2.63	-3.69	13.64	12.21	0.0	-1.12
16	Mount Waddington	20.00	15.50	*	*	11.76	7.80	0.0	-3.21	8.89	5.11
16a	Central Coast	14.29	14.47	*	*	16.67	16.86	*	*	8.00	8.17
17	Skeena-Queen Charlotte	6.52	6.16	13.64	13.23	7.28	6.91	-2.63	-2.94	5.74	5.38
18	Kitimat-Stikine	-1.24	-1.94	17.86	16.89	0.29	-0.43	-1.14	-1.83	0.0	-0.71
19	Bulkley-Nechako	1.92	-1.45	30.00	24.81	5.46	1.86	-6.25	-9.09	2.98	-0.46
20	Fraser-Fort George	8.52	4.20	6.25	2.10	8.26	3.96	11.02	6.51	8.66	4.33
21	Peace River-Liard	2.78	2.38	5.26	4.85	3.04	2.64	21.21	20.68	5.84	5.42
22	Stikine	*	*	*	*	*	*	*	*	*	*
24	Cowichan Valley	6.76	2.98	3.70	0.13	6.41	2.65	25.71	20.67	8.92	5.00
25	Nanaimo	4.47	-0.20	-2.70	-6.76	3.57	-1.03	17.86	12.03	5.86	1.06
26	Alberni-Clayoquot	0.37	0.11	19.23	18.87	2.04	1.77	0.0	-0.26	1.70	1.43
27	Comox-Strathcona	7.56	3.73	-6.98	-9.84	5.22	1.55	10.00	6.01	6.04	2.31
Metropolitan - Subtotal		4.10	2.76	-0.78	-2.01	3.50	2.17	14.72	13.12	4.66	3.31
13	Greater Vancouver	4.12	3.00	-0.46	-1.49	3.55	2.43	14.63	13.29	4.68	3.55
23	Capital	4.05	1.69	-2.02	-4.12	3.31	0.97	15.04	12.20	4.61	2.22
TOTAL		4.64	2.20	0.79	-1.49	4.17	1.75	13.91	11.05	5.36	2.89

[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.
[4] A two year rate of change has been adjusted to an annual figure.
* Indicates that the base for the rate of change was less than 10.

Prepared by:

Health Manpower Research Unit
University of B.C.

Table 2.1

Number of Practising Employed Registered Nurses[1] in British Columbia

by Type of Employing Institution by Regional Hospital District

as at July 1977

Regional Hospital District	Hospital						Home for the Aged	Nursing Home	Subtotal
	General	Rehab.	Extended	Psychiatric	Other	Subtotal			
Non-Metropolitan - Subtotal	3691	5	173	70	25	3964	34	24	4022
1 East Kootenay	162	0	3	0	0	165	4	2	171
2 Central Kootenay	171	0	14	1	1	187	2	1	190
2a Kootenay Boundary	163	0	5	1	0	169	0	0	169
3 Okanagan-Similkameen	177	0	6	0	0	183	3	3	189
4 Columbia-Shuswap	95	0	1	0	0	96	0	0	96
5 North Okanagan	157	0	9	7	0	173	1	1	175
6 Central Okanagan	193	0	7	1	0	201	6	9	216
7 Thompson-Nicola	353	3	17	5	10	388	0	1	389
8 Cariboo	142	0	9	0	1	152	2	3	157
9 Squamish-Lillooet	32	0	0	1	0	33	0	0	33
10 Fraser-Cheam	152	0	11	4	0	167	1	0	168
11 Central Fraser Valley	249	0	27	16	4	296	7	2	305
12 Dewdney-Alouette	154	0	7	32	3	196	0	1	197
14 Sunshine Coast	37	0	1	0	0	38	0	0	38
15 Powell River	79	1	1	0	0	31	1	0	82
16 Mount Waddington	26	0	0	0	0	26	0	0	26
16a Central Coast	23	0	0	0	0	23	0	0	23
17 Skeena-Queen Charlotte	76	0	0	0	1	77	0	0	77
18 Kitimat-Stikine	116	0	3	0	0	119	2	0	121
19 Bulkley-Nechako	77	0	0	0	0	77	0	0	77
20 Fraser-Fort George	282	0	2	0	0	284	1	1	286
21 Peace River-Liard	127	0	12	0	0	139	0	0	139
22 Stikine	1	0	0	0	4	5	0	0	5
24 Cowichan Valley	164	0	23	1	0	188	0	0	188
25 Nanaimo	191	1	6	0	0	198	3	0	201
26 Alberni-Clayoquot	107	0	1	0	0	108	0	0	108
27 Comox-Strathcona	185	0	8	1	1	195	1	0	196
Metropolitan - Subtotal	5299	100	403	282	230	6314	66	38	6418
13 Greater Vancouver	4229	70	227	221	216	4963	51	34	5048
23 Capital	1070	30	176	61	14	1351	15	4	1370
TOTAL	8990	105	576	352	255	10278	100	62	10440

[1] Definitions are as in the attached text.

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University of B.C.

Table 2.1
(continued)

Number of Practising Employed Registered Nurses[1] in British Columbia by Type of Employing Institution by Regional Hospital District as at July 1977

Regional Hospital District		Community Service				Physicians Office	Educ. Instit.	Other[2]	Total
		Public Health	Home Care	Community Health	Subtotal				
Non-Metropolitan - Subtotal		301	189	57	547	162	79	432	5242
1	East Kootenay	17	7	1	25	7	2	16	221
2	Central Kootenay	15	7	1	23	4	15	16	248
2a	Kootenay Boundary	12	11	1	24	10	3	16	222
3	Okanagan-Similkameen	11	13	2	26	10	0	22	247
4	Columbia-Shuswap	9	1	1	11	4	1	13	125
5	North Okanagan	10	17	4	31	10	0	19	235
6	Central Okanagan	15	17	4	36	18	10	23	303
7	Thompson-Nicola	28	17	2	47	9	19	59	523
8	Cariboo	17	3	2	22	4	0	12	195
9	Squamish-Lillooet	5	0	0	5	0	0	3	41
10	Fraser-Cheam	11	11	3	25	5	2	22	222
11	Central Fraser Valley	14	17	3	34	9	10	24	382
12	Dewdney-Alouette	15	10	2	27	5	3	21	253
14	Sunshine Coast	4	1	0	5	2	0	3	48
15	Powell River	5	1	0	6	1	0	8	97
16	Mount Waddington	4	0	1	5	0	0	4	35
16a	Central Coast	3	0	0	3	0	0	1	27
17	Skeena-Queen Charlotte	7	0	7	14	6	0	7	104
18	Kitimat-Stikine	13	0	2	15	7	1	13	157
19	Bulkley-Nechako	7	0	11	18	5	0	8	108
20	Fraser-Fort George	17	12	3	32	14	3	29	364
21	Peace River-Liard	13	1	0	14	6	0	12	171
22	Stikine	0	0	0	0	0	0	0	5
24	Cowichan Valley	10	10	0	20	7	4	16	235
25	Nanaimo	18	21	1	40	8	6	25	280
26	Alberni-Clayoquot	9	0	0	9	6	0	12	1[illegible]
27	Comox-Strathcona	12	12	6	30	5	0	28	259
Metropolitan - Subtotal		358	222	72	652	149	246	786	8251
13	Greater Vancouver	314	161	63	538	105	222	617	6530
23	Capital	44	61	9	114	44	24	169	1721
TOTAL		659	411	129	1199	311	325	1218	13493

[1] Definitions are as in the attached text.
[2] Includes those who did not answer this question.

Prepared By:
Health Manpower Research Unit
University of B.C.

Table 2.2

Number of Practising Employed Registered Nurses[1] in British Columbia per 10,000 Population by Type of Employing Institution by Regional Hospital District as at July 1977

Regional Hospital District	Hospital						Home for the Aged	Nursing Home	Subtotal
	General	Rehab.	Extended	Psychiatric	Other	Subtotal			
Non-Metropolitan - Subtotal	31.00	0.04	1.45	0.59	0.21	33.29	0.29	0.20	33.78
1 East Kootenay	33.89	0.0	0.63	0.0	0.0	34.52	0.84	0.42	35.78
2 Central Kootenay	34.34	0.0	2.81	0.20	0.20	37.55	0.40	0.20	38.16
2a Kootenay Boundary	51.31	0.0	1.57	0.31	0.0	53.20	0.0	0.0	53.20
3 Okanagan-Similkameen	33.22	0.0	1.13	0.0	0.0	34.35	0.56	0.56	35.48
4 Columbia-Shuswap	25.99	0.0	0.27	0.0	0.0	26.26	0.0	0.0	26.26
5 North Okanagan	31.77	0.0	1.82	1.42	0.0	35.00	0.20	0.20	35.41
6 Central Okanagan	25.57	0.0	0.93	0.13	0.0	26.63	0.80	1.19	28.62
7 Thompson-Nicola	37.00	0.31	1.78	0.52	1.05	40.67	0.0	0.10	40.78
8 Cariboo	26.26	0.0	1.66	0.0	0.18	28.11	0.37	0.55	29.04
9 Squamish-Lillooet	19.62	0.0	0.0	0.61	0.0	20.24	0.0	0.0	20.24
10 Fraser-Cheam	28.96	0.0	2.10	0.76	0.0	31.81	0.19	0.0	32.00
11 Central Fraser Valley	26.52	0.0	2.88	1.70	0.43	31.52	0.75	0.21	32.48
12 Dewdney-Alouette	28.05	0.0	1.28	5.83	0.55	35.70	0.0	0.18	35.89
14 Sunshine Coast	28.29	0.0	0.76	0.0	0.0	29.05	0.0	0.0	29.05
15 Powell River	39.76	0.50	0.50	0.0	0.0	40.76	0.50	0.0	41.27
16 Mount Waddington	20.17	0.0	0.0	0.0	0.0	20.17	0.0	0.0	20.17
16a Central Coast	55.05	0.0	0.0	0.0	0.0	55.05	0.0	0.0	55.05
17 Skeena-Queen Charlotte	33.43	0.0	0.0	0.0	0.44	33.87	0.0	0.0	33.87
18 Kitimat-Stikine	29.75	0.0	0.77	0.0	0.0	30.52	0.51	0.0	31.03
19 Bulkley-Nechako	22.84	0.0	0.0	0.0	0.0	22.84	0.0	0.0	22.84
20 Fraser-Fort George	34.11	0.0	0.24	0.0	0.0	34.36	0.12	0.12	34.60
21 Peace River-Liard	28.22	0.0	2.67	0.0	0.0	30.88	0.0	0.0	30.88
22 Stikine	6.41	0.0	0.0	0.0	25.64	32.05	0.0	0.0	32.05
24 Cowichan Valley	33.66	0.0	4.72	0.21	0.0	38.59	0.0	0.0	38.59
25 Nanaimo	29.54	0.15	0.93	0.0	0.0	30.62	0.46	0.0	31.09
26 Alberni-Clayoquot	33.17	0.0	0.31	0.0	0.0	33.48	0.0	0.0	33.48
27 Comox-Strathcona	31.27	0.0	1.35	0.17	0.17	32.96	0.17	0.0	33.13
Metropolitan - Subtotal	39.77	0.75	3.02	2.12	1.73	47.39	0.50	0.29	48.17
13 Greater Vancouver	38.56	0.64	2.07	2.02	1.97	45.26	0.47	0.31	46.03
23 Capital	45.39	1.27	7.47	2.59	0.59	57.31	0.64	0.17	58.11
TOTAL	35.63	0.42	2.28	1.40	1.01	40.74	0.40	0.25	41.38

[1] Definitions are as in the attached text.

Prepared By:
Health Manpower Research Unit
University of B.C.

Table 2.2
(continued)

Number of Practising Employed Registered Nurses[1] in British Columbia per 10,000 Population by Type of Employing Institution by Regional Hospital District as at July 1977

Regional Hospital District		Community Service				Physicians Office	Educ. Instit.	Other[2]	Total
		Public Health	Home Care	Community Health	Subtotal				
Non-Metropolitan - Subtotal		2.53	1.59	0.48	4.59	1.36	0.66	3.63	44.03
1	East Kootenay	3.56	1.46	0.21	5.23	1.46	0.42	3.35	46.24
2	Central Kootenay	3.01	1.41	0.20	4.62	0.80	3.01	3.21	49.80
2a	Kootenay Boundary	3.78	3.46	0.31	7.55	3.15	0.94	5.04	69.88
3	Okanagan-Similkameen	2.06	2.44	0.38	4.88	1.88	0.0	4.13	46.36
4	Columbia-Shuswap	2.46	0.27	0.27	3.01	1.09	0.27	3.56	34.20
5	North Okanagan	2.02	3.44	0.81	6.27	2.02	0.0	3.84	47.55
6	Central Okanagan	1.99	2.25	0.53	4.77	2.39	1.33	3.05	40.15
7	Thompson-Nicola	2.93	1.78	0.21	4.93	0.94	1.99	6.18	54.82
8	Cariboo	3.14	0.55	0.37	4.07	0.74	0.0	2.22	36.07
9	Squamish-Lillooet	3.07	0.0	0.0	3.07	0.0	0.0	1.84	25.14
10	Fraser-Cheam	2.10	2.10	0.57	4.76	0.95	0.38	4.19	42.29
11	Central Fraser Valley	1.49	1.81	0.32	3.62	0.96	1.06	2.56	40.68
12	Dewdney-Alouette	2.73	1.82	0.36	4.92	0.91	0.55	3.83	46.09
14	Sunshine Coast	3.06	0.76	0.0	3.82	1.53	0.0	2.29	36.70
15	Powell River	2.52	0.50	0.0	3.02	0.50	0.0	4.03	48.82
16	Mount Waddington	3.10	0.0	0.78	3.88	0.0	0.0	3.10	27.15
16a	Central Coast	7.18	0.0	0.0	7.18	0.0	0.0	2.39	64.62
17	Skeena-Queen Charlotte	3.08	0.0	3.08	6.16	2.64	0.0	3.08	45.74
18	Kitimat-Stikine	3.33	0.0	0.51	3.85	1.80	0.26	3.33	40.26
19	Bulkley-Nechako	2.08	0.0	3.26	5.34	1.48	0.0	2.37	32.04
20	Fraser-Fort George	2.06	1.45	0.36	3.87	1.69	0.36	3.51	44.03
21	Peace River-Liard	2.89	0.22	0.0	3.11	1.33	0.0	2.67	37.99
22	Stikine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.05
24	Cowichan Valley	2.05	2.05	0.0	4.10	1.44	0.82	3.28	48.23
25	Nanaimo	2.78	3.25	0.15	6.19	1.24	0.93	3.87	43.31
26	Alberni-Clayoquot	2.79	0.0	0.0	2.79	1.86	0.0	3.72	41.85
27	Comox-Strathcona	2.03	2.03	1.01	5.07	0.85	0.0	4.73	43.78
Metropolitan - Subtotal		2.69	1.67	0.54	4.89	1.12	1.85	5.90	61.93
13	Greater Vancouver	2.86	1.47	0.57	4.91	0.96	2.02	5.63	59.55
23	Capital	1.87	2.59	0.38	4.84	1.87	1.02	7.17	73.00
TOTAL		2.61	1.63	0.51	4.75	1.23	1.29	4.83	53.48

[1] Definitions are as in the attached text.
[2] Includes those who did not answer this question.

Prepared By:
Health Manpower Research Unit
University of B.C.

Table 3a.1

Number of Practising Employed Registered Nurses[1] in British Columbia

by Primary Area of Responsibility by Regional Hospital District

as at July 1977

Regional Hospital District	Patient Care							Subtotal
	Medical[2]	Maternal	Psych.	Paediatric	Geriatric	Health[3]	Other	
Non-Metropolitan - Subtotal	1997	433	203	258	353	487	639	4370
1 East Kootenay	110	10	4	2	17	24	13	180
2 Central Kootenay	92	23	10	10	24	24	18	201
2a Kootenay Boundary	95	16	12	8	15	18	28	192
3 Okanagan-Similkameen	92	17	10	7	22	23	40	211
4 Columbia-Shuswap	63	7	0	0	6	11	15	102
5 North Okanagan	81	17	16	12	15	17	38	196
6 Central Okanagan	93	23	18	15	29	36	37	251
7 Thompson-Nicola	198	44	17	19	22	42	84	426
8 Cariboo	66	17	0	17	15	18	29	162
9 Squamish-Lillooet	19	0	0	0	1	5	6	31
10 Fraser-Cheam	65	18	23	13	18	22	24	183
11 Central Fraser Valley	154	26	18	19	38	32	42	329
12 Dewdney-Alouette	93	13	22	12	17	22	36	215
14 Sunshine Coast	21	1	0	2	10	6	4	44
15 Powell River	35	11	0	6	9	6	13	80
16 Mount Waddington	21	0	0	0	0	5	3	29
16a Central Coast	6	1	0	1	0	3	8	19
17 Skeena-Queen Charlotte	39	10	0	10	2	14	12	87
18 Kitimat-Stikine	67	15	1	10	5	17	18	133
19 Bulkley-Nechako	43	9	0	7	1	18	11	89
20 Fraser-Fort George	139	51	9	31	10	26	50	316
21 Peace River-Liard	64	19	0	12	9	14	19	137
22 Stikine	0	0	0	0	0	2	3	5
24 Cowichan Valley	77	21	15	16	22	17	23	191
25 Nanaimo	104	24	13	15	16	29	31	232
26 Alberni-Clayoquot	49	19	0	11	9	9	16	113
27 Comox-Strathcona	111	21	15	3	21	27	18	216
Metropolitan - Subtotal	3100	624	423	409	682	544	1129	6911
13 Greater Vancouver	2456	525	327	339	442	444	925	5458
23 Capital	644	99	96	70	240	100	204	1453
TOTAL	5097	1057	626	667	1035	1031	1768	11281

[1] Definitions are as in the attached text.
[2] Includes surgical.
[3] Community Health.

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Table 3a.1
(continued)

Number of Practising Employed Registered Nurses[1] in British Columbia by Primary Area of Responsibility by Regional Hospital District as at July 1977

Regional Hospital District		Administration				Teaching	Other[2]	Total
		Education	Nursing	Other	Subtotal			
Non-Metropolitan - Subtotal		17	211	34	262	73	537	5242
1	East Kootenay	1	12	2	15	1	25	221
2	Central Kootenay	0	11	1	12	14	21	248
2a	Kootenay Boundary	2	4	1	7	1	22	222
3	Okanagan-Similkameen	0	12	1	13	0	23	247
4	Columbia-Shuswap	1	6	2	9	0	14	125
5	North Okanagan	0	9	4	13	0	26	235
6	Central Okanagan	1	10	2	13	9	30	303
7	Thompson-Nicola	1	16	1	18	19	60	523
8	Cariboo	1	10	3	14	0	19	195
9	Squamish-Lillooet	0	4	0	4	0	6	41
10	Fraser-Cheam	1	9	1	11	1	27	222
11	Central Fraser Valley	2	14	1	17	10	26	382
12	Dewdney-Alouette	1	10	1	12	2	24	253
14	Sunshine Coast	0	1	0	1	0	3	48
15	Powell River	0	6	2	8	0	9	97
16	Mount Waddington	0	2	0	2	0	4	35
16a	Central Coast	0	1	0	1	0	7	27
17	Skeena-Queen Charlotte	0	4	3	7	0	10	104
18	Kitimat-Stikine	0	9	1	10	1	13	157
19	Bulkley-Nechako	1	5	1	7	0	12	108
20	Fraser-Fort George	2	9	2	13	4	31	364
21	Peace River-Liard	2	10	1	13	0	21	171
22	Stikine	0	0	0	0	0	0	5
24	Cowichan Valley	0	9	2	11	5	28	235
25	Nanaimo	1	7	1	9	5	34	280
26	Alberni-Clayoquot	0	7	1	8	0	14	155
27	Comox-Strathcona	0	14	0	14	1	28	259
Metropolitan - Subtotal		50	212	66	318	249	773	8251
13	Greater Vancouver	34	161	59	254	203	615	6530
23	Capital	6	51	7	64	46	158	1721
TOTAL		57	423	100	580	322	1310	13493

[1] Definitions are as in the attached text.
[2] Includes those who did not answer this question.

Prepared By:
Health Manpower Research Unit
University of B.C.

Table 3a.2

Number of Practising Employed Registered Nurses[1] in British Columbia

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

as at July 1977

Regional Hospital District	Patient Care							Subtotal
	Medical[2]	Maternal	Psych.	Paediatric	Geriatric	Health[3]	Other	
Non-Metropolitan - Subtotal	16.77	3.64	1.70	2.17	2.96	4.09	5.37	36.70
1 East Kootenay	23.01	2.09	0.84	0.42	3.56	5.02	2.72	37.66
2 Central Kootenay	18.48	4.62	2.01	2.01	4.82	4.82	3.61	40.36
2a Kootenay Boundary	29.90	5.04	3.78	2.52	4.72	5.67	8.81	60.44
3 Okanagan-Similkameen	17.27	3.19	1.88	1.31	4.13	4.32	7.51	39.61
4 Columbia-Shuswap	17.23	1.91	0.0	0.0	1.64	3.01	4.10	27.90
5 North Okanagan	16.39	3.44	3.24	2.43	3.03	3.44	7.69	39.66
6 Central Okanagan	12.32	3.05	2.39	1.99	3.84	4.77	4.90	33.26
7 Thompson-Nicola	20.75	4.61	1.78	1.99	2.31	4.40	8.80	44.65
8 Cariboo	12.21	3.14	0.0	3.14	2.77	3.33	5.36	29.96
9 Squamish-Lillooet	11.65	0.0	0.0	0.0	0.61	3.07	3.68	19.01
10 Fraser-Cheam	12.38	3.43	4.38	2.48	3.43	4.19	4.57	34.86
11 Central Fraser Valley	16.40	2.77	1.92	2.02	4.05	3.41	4.47	35.04
12 Dewdney-Alouette	16.94	2.37	4.01	2.19	3.10	4.01	6.56	39.16
14 Sunshine Coast	16.06	0.76	0.0	1.53	7.65	4.59	3.06	33.64
15 Powell River	17.61	5.54	0.0	3.02	4.53	3.02	6.54	40.26
16 Mount Waddington	16.29	0.0	0.0	0.0	0.0	3.88	2.33	22.50
16a Central Coast	14.36	2.39	0.0	2.39	0.0	7.18	19.15	45.48
17 Skeena-Queen Charlotte	17.15	4.40	0.0	4.40	0.88	6.16	5.28	38.27
18 Kitimat-Stikine	17.18	3.85	0.26	2.56	1.28	4.36	4.62	34.11
19 Bulkley-Nechako	12.76	2.67	0.0	2.08	0.30	5.34	3.26	26.40
20 Fraser-Fort George	16.81	6.17	1.09	3.75	1.21	3.15	6.05	38.23
21 Peace River-Liard	14.22	4.22	0.0	2.67	2.00	3.11	4.22	30.44
22 Stikine	0.0	0.0	0.0	0.0	0.0	12.82	19.23	32.05
24 Cowichan Valley	15.80	4.31	3.08	3.28	4.52	3.49	4.72	39.20
25 Nanaimo	16.09	3.71	2.01	2.32	2.47	4.49	4.79	35.88
26 Alberni-Clayoquot	15.19	5.89	0.0	3.41	2.79	2.79	4.96	35.03
27 Comox-Strathcona	18.76	3.55	2.54	0.51	3.55	4.56	3.04	36.51
Metropolitan - Subtotal	23.27	4.68	3.17	3.07	5.12	4.08	8.47	51.87
13 Greater Vancouver	22.40	4.79	2.98	3.09	4.03	4.05	8.43	49.77
23 Capital	27.32	4.20	4.07	2.97	10.18	4.24	8.65	61.63
TOTAL	20.20	4.19	2.48	2.64	4.10	4.09	7.01	44.71

[1] Definitions are as in the attached text.
[2] Includes surgical.
[3] Community Health.

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Table 3a.2
(continued)

Number of Practising Employed Registered Nurses[1] in British Columbia per 10,000 Population by Primary Area of Responsibility by Regional Hospital District as at July 1977

Regional Hospital District	Administration				Teaching	Other[2]	Total
	Education	Nursing	Other	Subtotal			
Non-Metropolitan - Subtotal	0.14	1.77	0.29	2.20	0.61	4.51	44.03
1 East Kootenay	0.21	2.51	0.42	3.14	0.21	5.23	46.24
2 Central Kootenay	0.0	2.21	0.20	2.41	2.81	4.22	49.80
2a Kootenay Boundary	0.63	1.26	0.31	2.20	0.31	6.93	69.88
3 Okanagan-Similkameen	0.0	2.25	0.19	2.44	0.0	4.32	46.36
4 Columbia-Shuswap	0.27	1.64	0.55	2.46	0.0	3.83	34.20
5 North Okanagan	0.0	1.82	0.81	2.63	0.0	5.26	47.55
6 Central Okanagan	0.13	1.33	0.27	1.72	1.19	3.98	40.15
7 Thompson-Nicola	0.10	1.68	0.10	1.89	1.99	6.29	54.82
8 Cariboo	0.18	1.85	0.55	2.59	0.0	3.51	36.07
9 Squamish-Lillooet	0.0	2.45	0.0	2.45	0.0	3.68	25.14
10 Fraser-Cheam	0.19	1.71	0.19	2.10	0.19	5.14	42.29
11 Central Fraser Valley	0.21	1.49	0.11	1.81	1.06	2.77	40.68
12 Dewdney-Alouette	0.18	1.82	0.18	2.19	0.36	4.37	46.09
14 Sunshine Coast	0.0	0.76	0.0	0.76	0.0	2.29	36.70
15 Powell River	0.0	3.02	1.01	4.03	0.0	4.53	48.82
16 Mount Waddington	0.0	1.55	0.0	1.55	0.0	3.10	27.15
16a Central Coast	0.0	2.39	0.0	2.39	0.0	16.75	64.62
17 Skeena-Queen Charlotte	0.0	1.76	1.32	3.08	0.0	4.40	45.74
18 Kitimat-Stikine	0.0	2.31	0.26	2.56	0.26	3.33	40.26
19 Bulkley-Nechako	0.30	1.48	0.30	2.08	0.0	3.56	32.04
20 Fraser-Fort George	0.24	1.09	0.24	1.57	0.48	3.75	44.03
21 Peace River-Liard	0.44	2.22	0.22	2.89	0.0	4.67	37.99
22 Stikine	0.0	0.0	0.0	0.0	0.0	0.0	32.05
24 Cowichan Valley	0.0	1.85	0.41	2.26	1.03	5.75	48.23
25 Nanaimo	0.15	1.08	0.15	1.39	0.77	5.26	43.71
26 Alberni-Clayoquot	0.0	2.17	0.31	2.48	0.0	4.34	41.85
27 Comox-Strathcona	0.0	2.37	0.0	2.37	0.17	4.73	43.78
Metropolitan - Subtotal	0.30	1.59	0.50	2.39	1.87	5.80	61.93
13 Greater Vancouver	0.31	1.47	0.54	2.32	1.85	5.61	59.55
23 Capital	0.25	2.16	0.30	2.71	1.95	6.70	73.00
TOTAL	0.23	1.68	0.40	2.30	1.28	5.19	53.48

[1] Definitions are as in the attached text.
[2] Includes those who did not answer this question.

Prepared By:
Health Manpower Research Unit
University of B.C.

Table 3a.3 Estimated Annual Rate of Change[2]; Practising Employed Registered Nurses[1] in British Columbia by Primary Area of Responsibility by Regional Hospital District from 1975 to 1977

Regional Hospital District	Patient Care							Subtotal
	Medical[3]	Maternal	Psych.	Paediatric	Geriatric	Health[4]	Other	
Non-Metropolitan - Subtotal	2.94	5.09	15.91	5.60	20.60	4.97	9.83	6.14
1 East Kootenay	-0.45	-8.33	*	*	*	16.67	-9.38	3.57
2 Central Kootenay	7.50	13.89	*	*	10.00	25.00	-10.87	11.66
2a Kootenay Boundary	5.23	22.73	-3.85	*	*	-2.63	23.68	9.26
3 Okanagan-Similkameen	-2.58	3.13	0.0	*	7.89	2.27	12.50	1.46
4 Columbia-Shuswap	1.64	*	*	*	-20.00	0.0	3.57	-1.89
5 North Okanagan	0.0	20.83	16.67	-7.14	*	6.67	9.38	6.65
6 Central Okanagan	6.71	-4.00	14.29	12.50	19.05	22.00	2.86	8.64
7 Thompson-Nicola	2.11	3.66	0.0	-8.70	41.67	10.00	9.15	4.76
8 Cariboo	-4.79	0.0	*	10.71	*	14.29	13.04	5.48
9 Squamish-Lillooet	29.17	*	*	*	*	*	*	14.58
10 Fraser-Cheam	-9.38	2.94	2.27	*	31.82	0.0	7.14	0.27
11 Central Fraser Valley	6.62	2.00	14.29	*	13.33	11.54	30.77	11.84
12 Dewdney-Alouette	6.02	0.0	41.67	*	6.67	5.00	28.26	11.43
14 Sunshine Coast	-2.27	*	*	*	*	*	*	2.38
15 Powell River	-8.33	-10.71	*	*	*	*	9.09	-2.38
16 Mount Waddington	*	*	*	*	*	*	*	30.56
16a Central Coast	*	*	*	*	*	*	*	13.33
17 Skeena-Queen Charlotte	15.00	*	*	*	*	3.85	*	13.97
18 Kitimat-Stikine	-1.45	0.0	*	-16.67	*	15.38	6.25	0.38
19 Bulkley-Nechako	1.19	*	*	*	*	10.00	0.0	2.98
20 Fraser-Fort George	12.61	15.38	*	14.58	*	-1.85	12.50	13.20
21 Peace River-Liard	1.61	-12.00	*	-7.14	*	8.33	5.88	-0.72
22 Stikine	*	*	*	*	*	*	*	*
24 Cowichan Valley	-3.05	25.00	*	22.73	14.71	-13.04	13.89	5.85
25 Nanaimo	3.61	13.16	4.17	18.18	30.00	0.0	1.67	5.77
26 Alberni-Clayoquot	-4.63	17.86	*	5.00	*	-15.38	16.67	2.31
27 Comox-Strathcona	13.79	-2.27	18.18	-37.50	8.33	6.25	-5.00	5.67
Metropolitan - Subtotal	3.58	4.17	13.90	-2.00	17.13	3.65	8.80	5.72
13 Greater Vancouver	4.38	4.35	22.67	-1.43	14.06	2.36	7.88	5.89
23 Capital	0.71	3.23	-4.72	-4.55	23.62	10.24	13.35	5.12
TOTAL	3.33	4.54	14.54	0.68	18.27	4.26	9.17	5.89

[1] Definitions are as in the attached text.
[2] A two year rate of change has been adjusted to an annual figure. Rate of change (in percent) in the number.
[3] Includes surgery.
[4] Community Health.
* Indicates that the base for the rate of change was less than 10.

Prepared by:

Health Manpower Research Unit
University of B.C.

Table 3a.3
(continued)

Estimated Annual Rate of Change[2]; Practising Employed Registered Nurses[1] in British Columbia by Primary Area of Responsibility by Regional Hospital District from 1975 to 1977

Regional Hospital District	Administration				Teaching	Other[3]	Total
	Education	Nursing	Other	Subtotal			
Non-Metropolitan - Subtotal	-17.31	-6.04	6.67	-5.74	43.59	4.24	5.51
1 East Kootenay	*	4.55	*	12.50	*	9.52	4.70
2 Central Kootenay	*	-4.17	*	-12.50	*	-2.27	9.33
2a Kootenay Boundary	*	*	*	*	*	18.75	9.36
3 Okanagan-Similkameen	*	-12.50	*	-11.76	*	-8.93	-0.60
4 Columbia-Shuswap	*	*	*	*	*	-3.33	-0.40
5 North Okanagan	*	-20.00	*	-13.89	*	11.90	5.16
6 Central Okanagan	*	0.0	*	-15.79	*	-3.13	6.95
7 Thompson-Nicola	*	7.14	*	-10.87	29.17	0.85	4.14
8 Cariboo	*	-11.54	*	3.85	*	9.38	5.40
9 Squamish-Lillooet	*	*	*	*	*	*	12.12
10 Fraser-Cheam	*	-15.38	*	-10.71	*	40.00	2.36
11 Central Fraser Valley	*	13.64	*	20.83	*	11.90	13.46
12 Dewdney-Alouette	*	-11.54	*	-14.71	*	25.00	10.24
14 Sunshine Coast	*	*	*	*	*	*	3.33
15 Powell River	*	*	*	*	*	-9.09	-2.91
16 Mount Waddington	*	*	*	*	*	*	20.00
16a Central Coast	*	*	*	*	*	*	14.29
17 Skeena-Queen Charlotte	*	*	*	*	*	-18.75	6.52
18 Kitimat-Stikine	*	-15.38	*	-14.29	*	-6.67	-1.24
19 Bulkley-Nechako	*	-25.00	*	-20.83	*	*	1.92
20 Fraser-Fort George	*	-9.09	*	0.0	*	-14.77	8.52
21 Peace River-Liard	*	0.0	*	9.09	*	45.45	2.78
22 Stikine	*	*	*	*	*	*	*
24 Cowichan Valley	*	*	*	*	*	6.00	6.7
25 Nanaimo	*	-20.83	*	-23.53	*	6.67	4.47
26 Alberni-Clayoquot	*	*	*	-10.00	*	-6.25	0.37
27 Comox-Strathcona	*	13.64	*	8.33	*	23.68	7.56
Metropolitan - Subtotal	-21.83	-13.57	-12.07	-14.59	9.57	0.46	4.10
13 Greater Vancouver	-23.44	-15.45	-9.03	-15.58	13.44	-0.48	4.12
23 Capital	*	-6.03	-26.67	-10.00	-3.06	4.48	4.05
TOTAL	-20.62	-10.17	-7.26	-11.07	14.92	1.94	4.64

[1] Definitions are as in the attached text.
[2] A two year rate of change has been adjusted to an annual figure. Rate of change (in percent) in the number.
[3] Includes those who did not answer this question.
* Indicates that the base for the rate of change was less than 10.

Prepared by:

Health Manpower Research Unit
University of B.C.

Table 3b.1

Number of Practising Employed Registered Nurses[1] in British Columbia by Position by Regional Hospital District as at July 1977

Regional Hospital District	Director	Ass't Director	Super-visor	Ass't Super-visor	Clinical[2]	Teacher	Head Nurse	Staff	Other[3]	Total
Non-Metropolitan - Subtotal	83	22	186	42	14	72	293	3855	675	5242
1 East Kootenay	5	1	8	2	0	2	17	158	28	221
2 Central Kootenay	6	1	6	1	0	13	18	176	27	248
2a Kootenay Boundary	3	1	9	0	1	2	7	171	28	222
3 Okanagan-Similkameen	5	2	5	3	0	0	11	190	31	247
4 Columbia-Shuswap	4	0	4	0	0	0	5	90	22	125
5 North Okanagan	2	1	10	1	1	0	11	178	31	235
6 Central Okanagan	2	2	12	3	4	7	18	219	36	303
7 Thompson-Nicola	6	0	13	6	1	20	27	380	70	523
8 Cariboo	5	0	9	0	0	0	10	150	21	195
9 Squamish-Lillooet	2	2	2	0	0	0	0	29	6	41
10 Fraser-Cheam	1	1	9	0	1	2	14	159	35	222
11 Central Fraser Valley	5	2	14	4	0	11	19	290	37	382
12 Dewdney-Alouette	2	3	10	5	4	1	20	173	35	253
14 Sunshine Coast	1	0	0	0	0	0	4	37	6	48
15 Powell River	3	1	5	0	0	0	9	72	7	97
16 Mount Waddington	2	0	0	0	0	0	3	22	8	35
16a Central Coast	2	0	0	0	0	0	2	16	7	27
17 Skeena-Queen Charlotte	1	0	7	1	0	0	8	70	17	104
18 Kitimat-Stikine	4	0	5	2	1	1	13	110	21	157
19 Bulkley-Nechako	2	0	5	0	0	0	10	78	13	108
20 Fraser-Fort George	7	0	6	4	0	3	16	277	51	364
21 Peace River-Liard	4	1	6	2	1	0	11	121	25	171
22 Stikine	0	0	0	0	0	0	0	4	1	5
24 Cowichan Valley	3	0	12	1	0	4	8	179	28	235
25 Nanaimo	1	1	12	2	0	5	15	206	38	280
26 Alberni-Clayoquot	2	1	4	4	0	0	8	97	19	135
27 Comox-Strathcona	3	2	13	1	0	1	9	203	27	259
Metropolitan - Subtotal	80	44	243	74	54	273	485	5906	1092	8251
13 Greater Vancouver	61	35	199	62	47	227	364	4675	860	6530
23 Capital	19	9	44	12	7	46	121	1231	232	1721
TOTAL	163	66	429	116	68	345	778	9761	1767	13493

[1] Definitions are as in the attached text.
[2] Clinical Specialist.
[3] Includes those who did not answer this question.

Prepared By:
Health Manpower Research Unit
University of B.C.

Table 3b.2

Number of Practising Employed Registered Nurses[1] in British Columbia per 10,000 Population by Position by Regional Hospital District as at July 1977

Regional Hospital District	Director	Ass't Director	Super-visor	Ass't Super-visor	Clinical[2] Teacher	Head Nurse	Staff	Other[3]	Total
Non-Metropolitan - Subtotal	0.70	0.18	1.56	0.35	0.12	0.60	2.46	32.38	5.67	44.03
1 East Kootenay	1.05	0.21	1.67	0.42	0.0	0.42	3.56	33.06	5.86	46.24
2 Central Kootenay	1.20	0.20	1.20	0.20	0.0	2.61	3.61	35.34	5.42	49.80
2a Kootenay Boundary	0.94	0.31	2.83	0.0	0.31	0.63	2.20	53.83	8.81	69.88
3 Okanagan-Similkameen	0.94	0.38	0.94	0.56	0.0	0.0	2.06	35.66	5.82	46.36
4 Columbia-Shuswap	1.09	0.0	1.09	0.0	0.0	0.0	1.37	24.62	6.02	34.20
5 North Okanagan	0.40	0.20	2.02	0.20	0.20	0.0	2.23	36.01	6.27	47.55
6 Central Okanagan	0.27	0.27	1.59	0.40	0.53	0.93	2.39	29.02	4.77	40.15
7 Thompson-Nicola	0.63	0.0	1.36	0.63	0.10	2.10	2.83	39.83	7.34	54.82
8 Cariboo	0.92	0.0	1.66	0.0	0.0	0.0	1.85	27.74	3.88	36.07
9 Squamish-Lillooet	1.23	1.23	1.23	0.0	0.0	0.0	0.0	17.78	3.68	25.14
10 Fraser-Cheam	0.19	0.19	1.71	0.0	0.19	0.38	2.67	30.29	6.67	42.29
11 Central Fraser Valley	0.53	0.21	1.49	0.43	0.0	1.17	2.02	30.88	3.94	40.68
12 Dewdney-Alouette	0.36	0.55	1.82	0.91	0.73	0.18	3.64	31.51	6.38	46.09
14 Sunshine Coast	0.76	0.0	0.0	0.0	0.0	0.0	3.06	28.29	4.59	36.70
15 Powell River	1.51	0.50	2.52	0.0	0.0	0.0	4.53	36.24	3.52	48.82
16 Mount Waddington	1.55	0.0	0.0	0.0	0.0	0.0	2.33	17.07	6.21	27.15
16a Central Coast	4.79	0.0	0.0	0.0	0.0	0.0	4.79	38.30	16.75	64.62
17 Skeena-Queen Charlotte	0.44	0.0	3.08	0.44	0.0	0.0	3.52	30.79	7.48	45.74
18 Kitimat-Stikine	1.03	0.0	1.28	0.51	0.26	0.26	3.33	28.21	5.39	40.26
19 Bulkley-Nechako	0.59	0.0	1.48	0.0	0.0	0.0	2.97	23.14	3.86	32.04
20 Fraser-Fort George	0.85	0.0	0.73	0.48	0.0	0.36	1.94	33.51	6.17	44.03
21 Peace River-Liard	0.89	0.22	1.33	0.44	0.22	0.0	2.44	26.88	5.55	37.99
22 Stikine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.64	6.41	32.05
24 Cowichan Valley	0.62	0.0	2.46	0.21	0.0	0.82	1.64	36.74	5.75	48.23
25 Nanaimo	0.15	0.15	1.86	0.31	0.0	0.77	2.32	31.86	5.88	43.31
26 Alberni-Clayoquot	0.62	0.31	1.24	1.24	0.0	0.0	2.48	30.07	5.89	41.85
27 Comox-Strathcona	0.51	0.34	2.20	0.17	0.0	0.17	1.52	34.32	4.56	43.78
Metropolitan - Subtotal	0.60	0.33	1.82	0.56	0.41	2.05	3.64	44.33	8.20	61.93
13 Greater Vancouver	0.56	0.32	1.81	0.57	0.43	2.07	3.32	42.63	7.84	59.55
23 Capital	0.81	0.38	1.87	0.51	0.30	1.95	5.13	52.22	9.84	73.00
TOTAL	0.65	0.26	1.70	0.46	0.27	1.37	3.08	38.69	7.00	53.48

[1] Definitions are as in the attached text.
[2] Clinical Specialist.
[3] Includes those who did not answer this question.

Prepared By:
Health Manpower Research Unit
University of B.C.

Table 3b.3 Estimated Annual Rate of Change[2]; Practising Employed Registered Nurses[1] in British Columbia by Position by Regional Hospital District from 1975 to 1977

Regional Hospital District	Director	Ass't Director	Super-visor	Ass't Super-visor	Clinical[3]	Teacher	Head Nurse	Staff	Other[4]	Total
Non-Metropolitan - Subtotal	6.08	-7.69	5.36	20.00	3.85	28.26	2.32	6.99	-1.99	5.51
1 East Kootenay	*	*	*	*	*	*	3.13	4.86	3.85	4.70
2 Central Kootenay	*	*	*	*	*	*	10.00	16.17	-12.50	9.33
2a Kootenay Boundary	*	*	*	*	*	*	-15.00	10.21	1.85	9.36
3 Okanagan-Similkameen	*	*	-25.00	*	*	*	-4.17	4.91	-15.56	-0.60
4 Columbia-Shuswap	*	*	*	*	*	*	*	-0.55	-2.17	-0.40
5 North Okanagan	*	*	*	*	*	*	*	9.33	-8.11	5.16
6 Central Okanagan	*	*	*	*	*	*	14.29	5.87	1.43	6.95
7 Thompson-Nicola	*	*	9.09	*	*	33.33	8.70	4.44	-4.55	4.14
8 Cariboo	*	*	*	*	*	*	-14.29	7.69	0.0	5.40
9 Squamish-Lillooet	*	*	*	*	*	*	*	8.00	*	12.12
10 Fraser-Cheam	*	*	-9.09	*	*	*	3.85	-0.62	33.33	2.36
11 Central Fraser Valley	*	*	-3.33	*	*	*	2.78	16.82	-4.88	13.46
12 Dewdney-Alouette	*	*	*	*	*	*	16.67	10.07	8.33	10.24
14 Sunshine Coast	*	*	*	*	*	*	*	2.86	*	3.33
15 Powell River	*	*	*	*	*	*	-5.00	0.70	-18.18	-2.91
16 Mount Waddington	*	*	*	*	*	*	*	14.71	*	20.00
16a Central Coast	*	*	*	*	*	*	*	30.00	*	14.29
17 Skeena-Queen Charlotte	*	*	*	*	*	*	*	11.40	3.13	6.52
18 Kitimat-Stikine	*	*	*	*	*	*	0.0	-0.45	-4.35	-1.24
19 Bulkley-Nechako	*	*	*	*	*	*	-8.33	4.93	15.00	1.92
20 Fraser-Fort George	*	*	*	*	*	*	0.0	9.44	6.67	8.52
21 Peace River-Liard	*	*	*	*	*	*	*	1.27	9.52	2.78
22 Stikine	*	*	*	*	*	*	*	*	*	*
24 Cowichan Valley	*	*	*	*	*	*	*	6.65	-3.33	6.76
25 Nanaimo	*	*	*	*	*	*	12.50	5.68	-9.57	4.47
26 Alberni-Clayoquot	*	*	*	*	*	*	*	2.72	-14.81	0.37
27 Comox-Strathcona	*	*	15.00	*	*	*	-9.09	11.89	-6.45	7.56
Metropolitan - Subtotal	5.56	25.86	1.27	-4.32	11.36	7.35	9.00	6.31	-6.97	4.10
13 Greater Vancouver	5.45	26.09	1.29	-6.34	13.51	9.11	11.28	6.27	-7.43	4.12
23 Capital	5.88	*	1.16	10.00	*	0.0	3.07	6.47	-5.21	4.05
TOTAL	5.82	10.00	2.96	2.25	9.65	10.74	6.30	6.58	-5.20	4.64

[1] Definitions are as in the attached text.
[2] A two year rate of change has been adjusted to an annual figure. Rate of change (in percent) in the number.
[3] Clinical Specialist.
[4] Includes those who did not answer this question.
* Indicates that the base for the rate of change was less than 10.

Prepared by:

Health Manpower Research Unit
University of B.C.

Table 4 Number of Practising Employed Registered Nurses and Full-Time Equivalents[1]

in British Columbia by Regional Hospital District

as at July 1977

Regional Hospital District		Nurses	Nurse Equivalents	Number per 10,000 Population: Nurses	Number per 10,000 Population: Nurse Equivalents
Non-Metropolitan - Subtotal		5242	3814.07	44.03	32.03
1	East Kootenay	221	161.86	46.24	33.86
2	Central Kootenay	248	172.12	49.80	34.57
2a	Kootenay Boundary	222	157.36	69.88	49.53
3	Okanagan-Similkameen	247	174.97	46.36	32.84
4	Columbia-Shuswap	125	88.42	34.20	24.19
5	North Okanagan	235	177.43	47.55	35.90
6	Central Okanagan	303	229.46	40.15	30.40
7	Thompson-Nicola	523	392.70	54.82	41.16
8	Cariboo	195	138.88	36.07	25.69
9	Squamish-Lillooet	41	29.95	25.14	18.37
10	Fraser-Cheam	222	162.32	42.29	30.92
11	Central Fraser Valley	382	279.34	40.68	29.75
12	Dewdney-Alouette	253	190.68	46.09	34.73
14	Sunshine Coast	48	38.40	36.70	29.36
15	Powell River	97	68.78	48.82	34.61
16	Mount Waddington	35	23.88	27.15	18.53
16a	Central Coast	27	17.77	64.62	42.53
17	Skeena-Queen Charlotte	104	73.33	45.74	32.25
18	Kitimat-Stikine	157	115.83	40.26	29.70
19	Bulkley-Nechako	108	73.93	32.04	21.93
20	Fraser-Fort George	364	267.97	44.03	32.42
21	Peace River-Liard	171	121.43	37.99	26.98
22	Stikine	5	4.20	32.05	26.92
24	Cowichan Valley	235	164.71	48.23	33.81
25	Nanaimo	280	206.06	43.31	31.87
26	Alberni-Clayoquot	135	93.63	41.85	29.02
27	Comox-Strathcona	259	188.67	43.78	31.89
Metropolitan - Subtotal		8251	6314.34	61.93	47.39
13	Greater Vancouver	6530	5029.41	59.55	45.86
23	Capital	1721	1284.93	73.00	54.50
TOTAL		13493	10128.42	53.48	40.14

[1] Definitions are as in the attached text.

Prepared By:
Health Manpower Research Unit
University of B.C.

Table 5 Analysis of Changes in the Number of Practising Registered Nurses[1] in British Columbia by Place of Graduation by Regional Hospital District from 1975 to 1977

Regional Hospital District			New Registrants[2] by Place of Graduation							
		1975[3]	B.C.	O.Can.[4]	U.K.	Other	Total	Attr'n[5]	Migr'n[6]	1977[7]
Non-Metropolitan - Subtotal		5356	686	696	95	82	1559	1132	137	5920
1	East Kootenay	234	28	30	5	2	65	54	5	250
2	Central Kootenay	237	44	35	3	3	85	51	7	278
2a	Kootenay Boundary	213	28	30	3	2	63	41	7	242
3	Okanagan-Similkameen	279	24	34	1	3	62	62	6	285
4	Columbia-Shuswap	141	18	12	2	2	34	38	5	142
5	North Okanagan	239	28	26	2	3	59	40	7	265
6	Central Okanagan	299	25	43	3	5	76	59	30	346
7	Thompson-Nicola	541	89	79	9	9	186	130	-12	585
8	Cariboo	200	30	22	2	2	56	47	10	219
9	Squamish-Lillooet	36	13	6	2	0	21	6	2	53
10	Fraser-Cheam	234	23	20	2	3	48	30	-2	250
11	Central Fraser Valley	359	54	43	5	7	109	88	50	430
12	Dewdney-Alouette	240	31	13	9	5	58	40	19	277
14	Sunshine Coast	56	6	2	0	1	9	11	4	58
15	Powell River	114	7	14	3	0	24	27	-3	108
16	Mount Waddington	34	4	7	1	1	13	9	4	42
16a	Central Coast	21	2	9	1	1	13	7	1	28
17	Skeena-Queen Charlotte	103	15	27	3	4	49	26	-8	118
18	Kitimat-Stikine	175	16	35	5	4	60	44	-15	176
19	Bulkley-Nechako	119	19	7	0	3	29	22	6	132
20	Fraser-Fort George	351	47	53	13	5	118	70	10	409
21	Peace River-Liard	180	17	33	1	6	57	48	3	192
22	Stikine	7	1	1	0	0	2	3	1	7
24	Cowichan Valley	235	29	25	4	5	63	42	8	264
25	Nanaimo	294	30	36	8	3	77	58	2	315
26	Alberni-Clayoquot	147	22	20	1	2	45	23	-16	153
27	Comox-Strathcona	268	36	34	7	1	78	56	6	296
Metropolitan - Subtotal		8710	1248	800	191	233	2472	1726	-137	9319
13	Greater Vancouver	6895	997	631	158	214	2000	1353	-158	7384
23	Capital	1815	251	169	33	19	472	373	21	1935
TOTAL		14066	1934	1496	286	315	4031	2858	0	15239

[1] Definitions are as in the attached text.
[2] Practising Registered Nurses who were active in 1977 but not in 1975.
[3] Number of Practising Registered Nurses as at July 1975.
[4] Other Canada.
[5] Practising Registered Nurses who were active in 1975 but not in 1977.
[6] Net effect of intra-provincial migration.
[7] Number of Practising Registered Nurses as at July 1977.

Prepared by:

Health Manpower Research Unit
University of B.C.

17. OCCUPATIONAL THERAPISTS (MEMBERS)

Definition: "Plans and carries out specific treatment programs, on medical referral, to rehabilitate physically and mentally disabled persons, using normal activities such as work, education and recreation:
Assesses patients' aptitudes, capabilities, interests and environmental conditions to determine required rehabilitation therapy. Utilizes activities in manual arts and creative skills, such as printing and woodworking, to restore muscle function, joint mobility, co-ordination and work tolerance. Encourages patients' participation in group programs to assist them in building self-confidence and adjusting to family and community living. Utilizes activities to obviate faulty-behavioural patterns and personality disorders. Re-trains disabled persons in daily living habits such as eating, grooming and dressing. Assists disabled homemakers to readjust to home routine and to function with a minimum of help. Advises and instructs on adaptations of household equipment and furnishings such as enlarged handles on cutlery, and lowering of shelves, and the use of ramps and handrails. Utilizes work-related activities to assess patients' vocational potential, provide work adjustment and actual work experience. Makes reports and keeps records of patients' activities, response and progress.
May participate in training program for occupational therapy students, and medical, paramedical and auxiliary personnel." [1]

Date of Record: Location of home address as at April 1975 and April 1977.

Source of Data: British Columbia Society of Occupational Therapists.

Preparation and Updating:

Only members registered with the British Columbia Society of Occupational Therapists and known to have a B.C. address at the date of record are included in the tables. Occupational Therapists are not required to join the Canadian or B.C. Society and do not have to be registered or licensed to practice in British Columbia.

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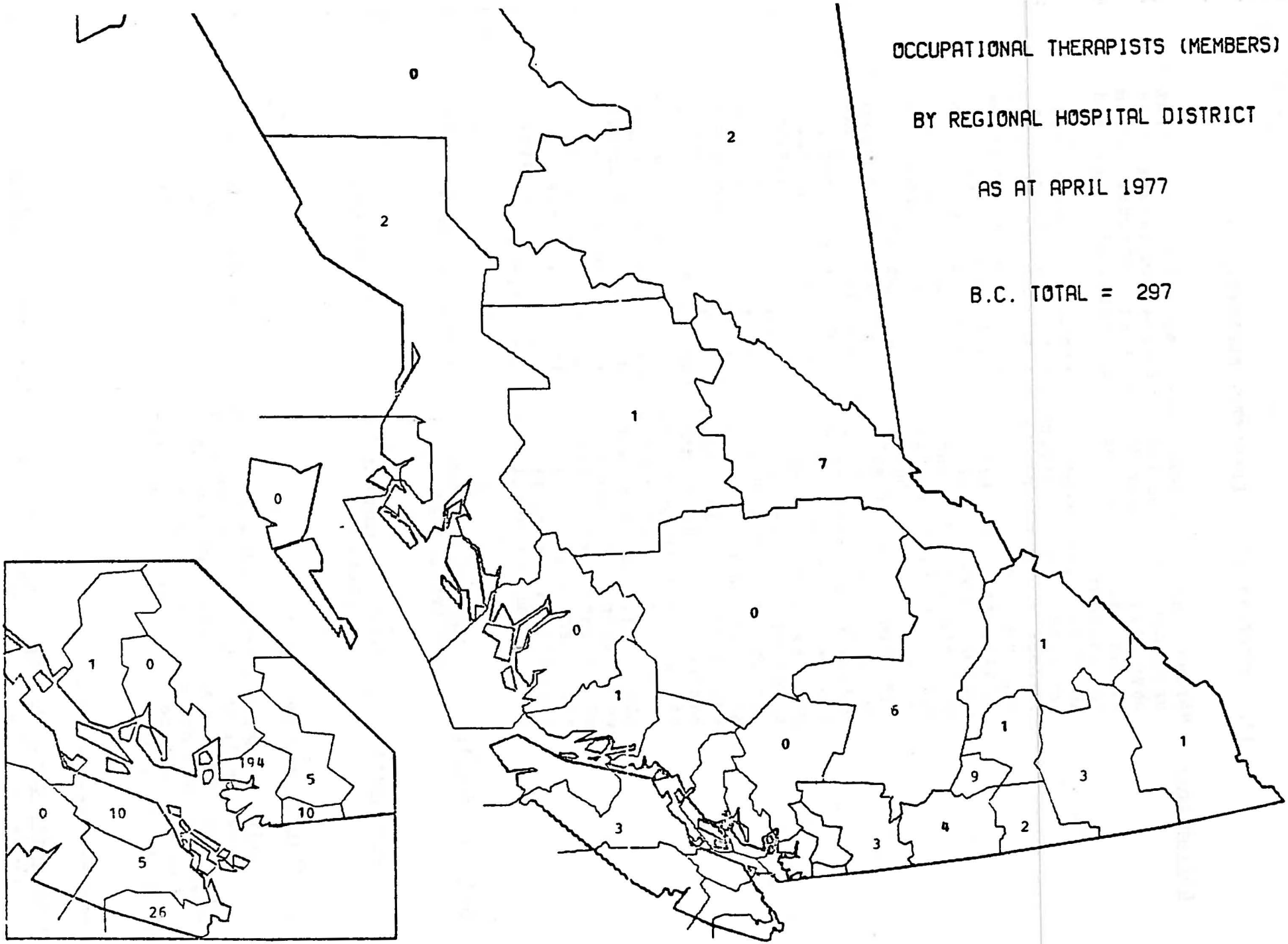
[1] Canadian Classification and Dictionary of Occupations 1971. vol. 1, p. 128, No. 3137-118.


OCCUPATIONAL THERAPISTS (MEMBERS)
BY REGIONAL HOSPITAL DISTRICT
AS AT APRIL 1977
B.C. TOTAL = 297
0
2
2
1
7
0
0
1
0
1
6
0
1
1
9
3
1
3
4
2
3
194
5
10
0
10
5
26

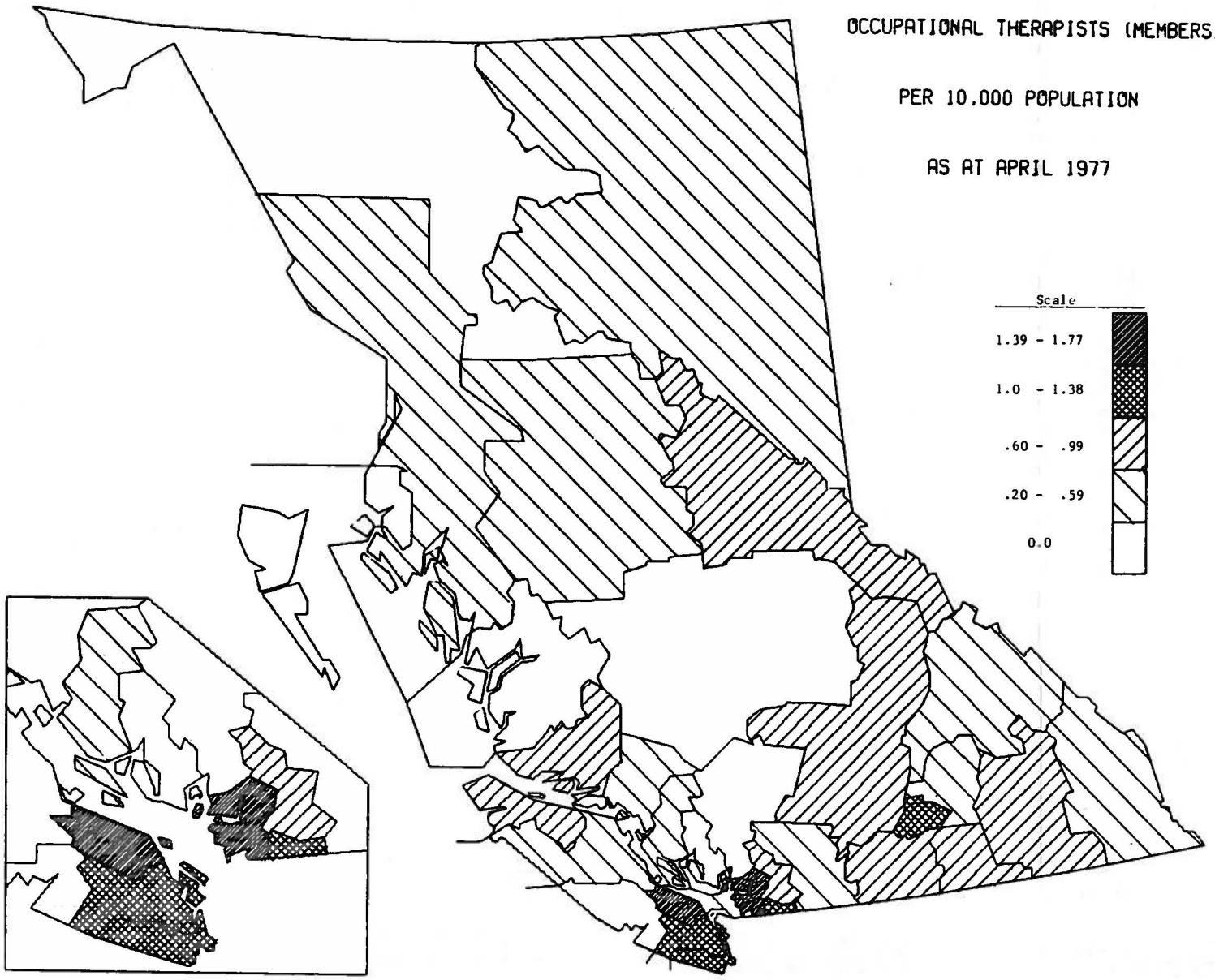

OCCUPATIONAL THERAPISTS (MEMBERS)
PER 10,000 POPULATION
AS AT APRIL 1977
Scale
1.39 - 1.77
1.0 - 1.38
.60 - .99
.20 - .59
0.0

Table 1

Number of Occupational Therapists (Members)[1] in British Columbia by Regional Hospital District 1975 and 1977

Regional Hospital District		Number		Number per 10,000 Population		Estimated Annual Rate of Change[2]	
		1975	1977	1975	1977	Number[3]	Ratio[4]
Non-Metropolitan - Subtotal		59	77	0.53	0.65	15.25	10.89
1	East Kootenay	0	1	0.0	0.21	*	*
2	Central Kootenay	4	3	0.83	0.60	*	*
2a	Kootenay Boundary	1	2	0.32	0.63	*	*
3	Okanagan-Similkameen	4	4	0.80	0.75	*	*
4	Columbia-Shuswap	1	1	0.29	0.27	*	*
5	North Okanagan	2	1	0.45	0.20	*	*
6	Central Okanagan	5	9	0.75	1.19	*	*
7	Thompson-Nicola	5	6	0.56	0.63	*	*
8	Cariboo	0	0	0.0	0.0	*	*
9	Squamish-Lillooet	0	0	0.0	0.0	*	*
10	Fraser-Cheam	3	3	0.60	0.57	*	*
11	Central Fraser Valley	7	10	0.85	1.06	*	*
12	Dewdney-Alouette	2	5	0.40	0.91	*	*
14	Sunshine Coast	0	0	0.0	0.0	*	*
15	Powell River	3	1	1.54	0.50	*	*
16	Mount Waddington	1	1	0.83	0.78	*	*
16a	Central Coast	0	0	0.0	0.0	*	*
17	Skeena-Queen Charlotte	0	0	0.0	0.0	*	*
18	Kitimat-Stikine	3	2	0.78	0.51	*	*
19	Bulkley-Nechako	3	1	0.95	0.30	*	*
20	Fraser-Fort George	3	7	0.39	0.85	*	*
21	Peace River-Liard	0	2	0.0	0.44	*	*
22	Stikine	0	0	0.0	0.0	*	*
24	Cowichan Valley	1	5	0.22	1.03	*	*
25	Nanaimo	10	10	1.69	1.55	0.0	-4.29
26	Alberni-Clayoquot	0	0	0.0	0.0	*	*
27	Comox-Strathcona	1	3	0.18	0.51	*	*
Metropolitan - Subtotal		210	220	1.62	1.65	2.38	1.08
13	Greater Vancouver	182	194	1.69	1.77	3.30	2.19
23	Capital	28	26	1.24	1.10	-3.57	-5.60
TOTAL		269	297	1.12	1.18	5.20	2.74

[1] Definitions are as in the attached text.
[2] A two year rate of change has been adjusted to an annual figure.
[3] Rate of change (in percent) in the number.
[4] Rate of change (in percent) in the number per 10,000 population.
* Indicates that the base for the rate of change was less than 10.

Prepared by:

Health Manpower Research Unit
University of B.C.

18. OPTOMETRISTS

Definition: The following services constitute a practice of optometry:

> "(a) The investigation of the functions of the human eye by means of test-lenses, test-cards, trial-frames, and other instruments or devices designed for the purpose of such investigation:
> (b) The prescription or adaptation of lenses, prisms, or the use of orthoptic instruments of any kind for the purpose of improving or correcting the visual function, or for adapting the visual function to the requirements of a special occupation." [1]

Date of Record: Location of office address as at September 1975 and September 1977.

Source of Data: The B.C. Optometric Association.

Preparation and Updating:

All Optometrists, practising in British Columbia, must be registered under the Optometry Act and hold a current and subsisting annual licence.

The tables are of duly-registered optometrists who are licensed to practice in B.C. and are known to have a B.C. address at the date of record.

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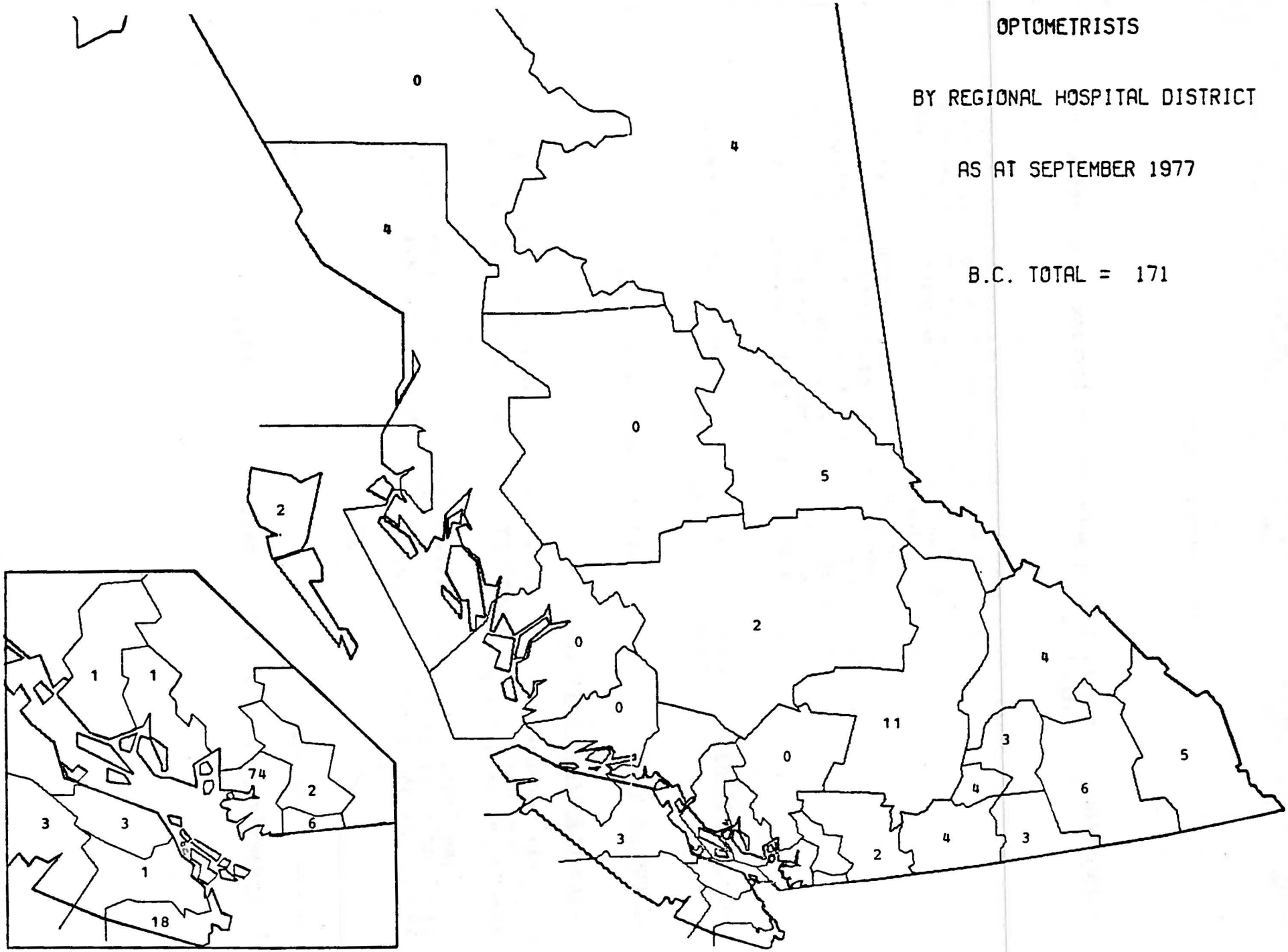
[1] Optometry Act. R.S. 1948, c.244, s. 1, p. 3432.

OPTOMETRISTS

BY REGIONAL HOSPITAL DISTRICT

AS AT SEPTEMBER 1977

B.C. TOTAL = 171



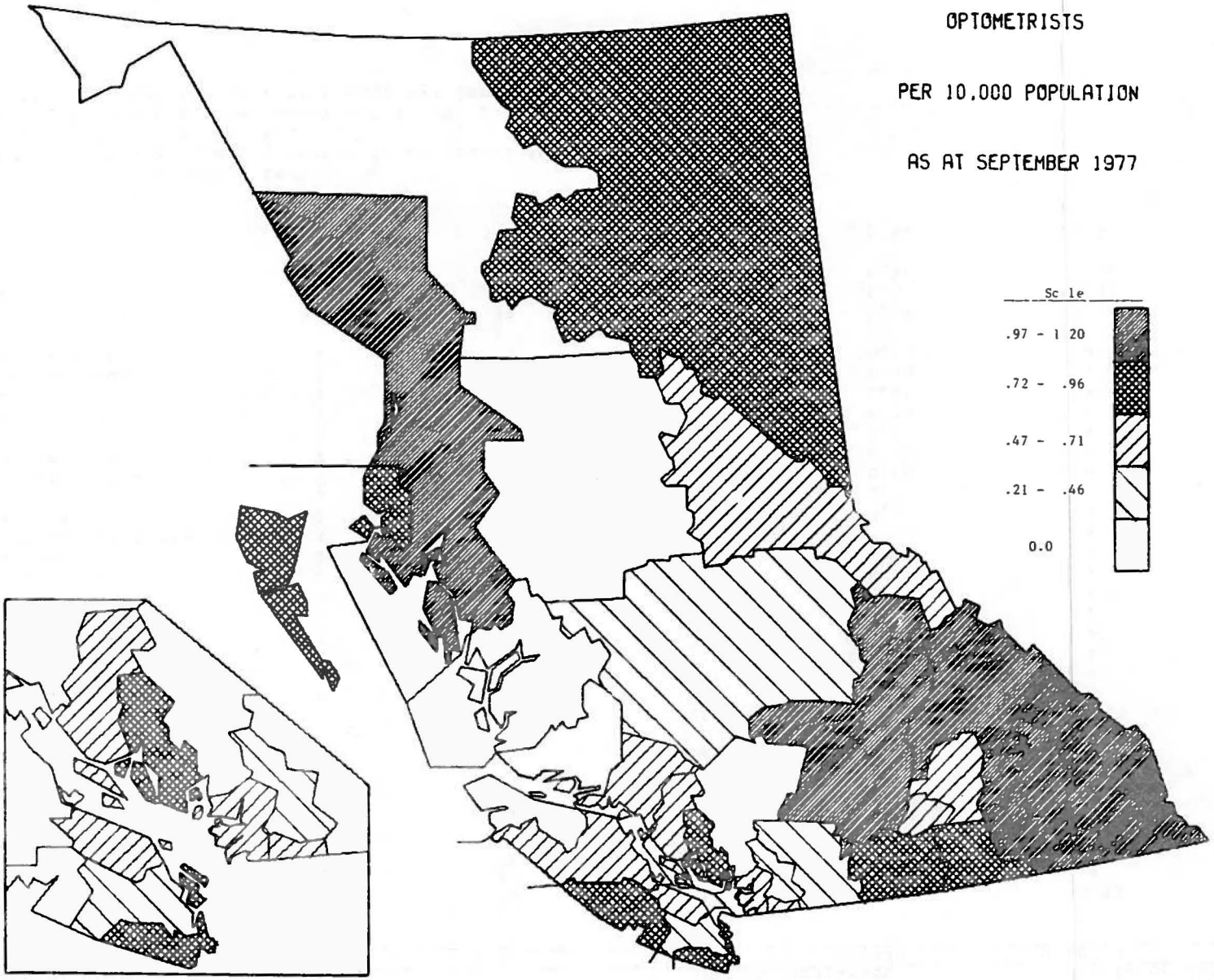

OPTOMETRISTS
PER 10,000 POPULATION
AS AT SEPTEMBER 1977
Scale
.97 - 1.20
.72 - .96
.47 - .71
.21 - .46
0.0

Table 1

Number of Optometrists[1] in British Columbia

by Regional Hospital District

1975 and 1977

Regional Hospital District		Number		Number per 10,000 Population		Estimated Annual Rate of Change[2]	
		1975	1977	1975	1977	Number[3]	Ratio[4]
Non-Metropolitan - Subtotal		70	79	0.63	0.66	6.43	2.65
1	East Kootenay	5	5	1.11	1.05	*	*
2	Central Kootenay	4	6	0.83	1.20	*	*
2a	Kootenay Boundary	3	3	0.95	0.94	*	*
3	Okanagan-Similkameen	4	4	0.80	0.75	*	*
4	Columbia-Shuswap	2	4	0.58	1.09	*	*
5	North Okanagan	2	3	0.45	0.61	*	*
6	Central Okanagan	4	4	0.60	0.53	*	*
7	Thompson-Nicola	10	11	1.13	1.15	5.00	1.22
8	Cariboo	3	2	0.61	0.37	*	*
9	Squamish-Lillooet	0	0	0.0	0.0	*	*
10	Fraser-Cheam	2	2	0.40	0.38	*	*
11	Central Fraser Valley	5	6	0.61	0.64	*	*
12	Dewdney-Alouette	2	2	0.40	0.36	*	*
14	Sunshine Coast	1	1	0.84	0.76	*	*
15	Powell River	1	1	0.51	0.50	*	*
16	Mount Waddington	0	0	0.0	0.0	*	*
16a	Central Coast	0	0	0.0	0.0	*	*
17	Skeena-Queen Charlotte	1	2	0.44	0.88	*	*
18	Kitimat-Stikine	2	4	0.52	1.03	*	*
19	Bulkley-Nechako	0	0	0.0	0.0	*	*
20	Fraser-Fort George	5	5	0.65	0.60	*	*
21	Peace River-Liard	4	4	0.90	0.89	*	*
22	Stikine	0	0	0.0	0.0	*	*
24	Cowichan Valley	1	1	0.22	0.21	*	*
25	Nanaimo	3	3	0.51	0.46	*	*
26	Alberni-Clayoquot	3	3	0.93	0.93	*	*
27	Comox-Strathcona	3	3	0.54	0.51	*	*
Metropolitan - Subtotal		96	92	0.74	0.69	-2.08	-3.27
13	Greater Vancouver	79	74	0.74	0.67	-3.16	-4.14
23	Capital	17	18	0.75	0.76	2.94	0.62
TOTAL		166	171	0.69	0.68	1.51	-0.80

[1] Definitions are as in the attached text.
[2] A two year rate of change has been adjusted to an annual figure.
[3] Rate of change (in percent) in the number.
[4] Rate of change (in percent) in the number per 10,000 population.
* Indicates that the base for the rate of change was less than 10.

Prepared by:

Health Manpower Research Unit
University of B.C.

19. OSTEOPATHS

Definition: "Diagnoses and treats disorders of human body, with emphasis on manipulative theory: Determines extent of disorder by questioning, observation, examination of patient and use of supplementary-diagnostic methods, such as temperature and blood-pressure readings, blood analysis, urinalysis, stethoscopy, electrocardiography, X-ray, and structural analysis. Treats disorders in the musculo-skeletal system and indirectly in the circulatory and nervous systems, by manipulation and medical procedures." [1]

Date of Record: Location data as at September 18, 1977 corresponding to the date of closure for entries into the 1977-78 Directory issued by the College of Physicians and Surgeons of B.C.

Source of Data: College of Physicians and Surgeons of British Columbia.

Preparation and Updating:

Osteopaths are registered by the College of Physicians and Surgeons under Section 40 of the Medical Act. Notification of new registrants or change in location is received promptly by the Health Manpower Research Unit. Only Osteopaths with B.C. addresses at the date of record are included.

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[1] Canadian Classification and Dictionary of Occupations 1971. vol. 1, p. 125, No. 3117-114.

Number of Osteopaths[1] in British Columbia

by Regional Hospital District

as at September 1977

Regional Hospital District	Total
Non-Metropolitan Subtotal	2
3 Okanagan - Similkameen	1
9 Squamish - Lillooet	1
Metropolitan Subtotal	5
13 Greater Vancouver	3
23 Capital	2
TOTAL	7

[1] Definitions are as in the attached text.

Prepared by:

Health Manpower Research Unit
University of B.C.

20. PHARMACISTS

Definition: "The pharmacist is responsible for the storage and distribution of prescription and non-prescription medications as well as provision of information on their appropriate storage and use by the patient." [1]

Date of Record:

1. Location of home address as at September 1975 and September 1977.

2. Personal data as of the annual application for relicensure in March 1975 and March 1977.

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

Preparation and Updating:

Practising pharmacists registered in British Columbia apply annually for a licence from the College of Pharmacists. Notification of new registrants, or changes in location, employer, narcotic signing authority or manager function are received monthly by the Health Manpower Research Unit from the College of Pharmacists after careful editing and reconciliation of inconsistencies. These updates are entered into PHARMFILE, a dynamic computer-based file.

Updating of personal data occurs through an annual computer-produced biography amended by registrants at the time of annual application for relicensure. PHARMFILE is used to generate the annual Directories for the College of Pharmacists.

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[1] The College of Pharmacists of British Columbia.

Definitions:

1. Registration Status

Practising pharmacists are those registered who have a B.C. address[1] and are licensed to practice pharmaceutical chemistry on the date of record. These licensed pharmacists may or may not be employed in the field of pharmacy.

Non-practising pharmacists are registered and have a B.C. address, but are not licensed on the date of record.

2. Type of Employer

Practising pharmacists employed in pharmacy are allocated into the following categories[2] of employer groups as at the annual application for licence:

community pharmacy

hospital pharmacy

other

3. Type of Employment

Categories of pharmaceutical employment are selected by the registrant[2] from the annual biography as of March 1975 and March 1977 and are:

manager (employer or employee)

dispensing pharmacist (non-manager)

other

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[1] If the address of the pharmacy of employment is not available, the home address is used.

[2] In addition, an 'unknown' group (did not give an answer to this question) was tabulated.

4. Calculation of Full-time Equivalents

Practising pharmacists employed in pharmacy annually report by annotating on their biography their likely employment for the year of registration in terms of weeks and hours. Factors used to estimate full-time equivalency are:

Hours per Week	Factor	Weeks per Year	Factor
0	0	0	0
1-14	.2	1-14	.2
15-24	.4	15-34	.5
25-34	.7	35-47	.8
35-44	1.0	48+	1.0
45+	1.2		

The pharmacist equivalent is the product of these factors unless only one is available in which case that is used. The provincial average pharmacist equivalent is substituted for those pharmacists who omit the question but specify they are employed in a community or hospital pharmacy.

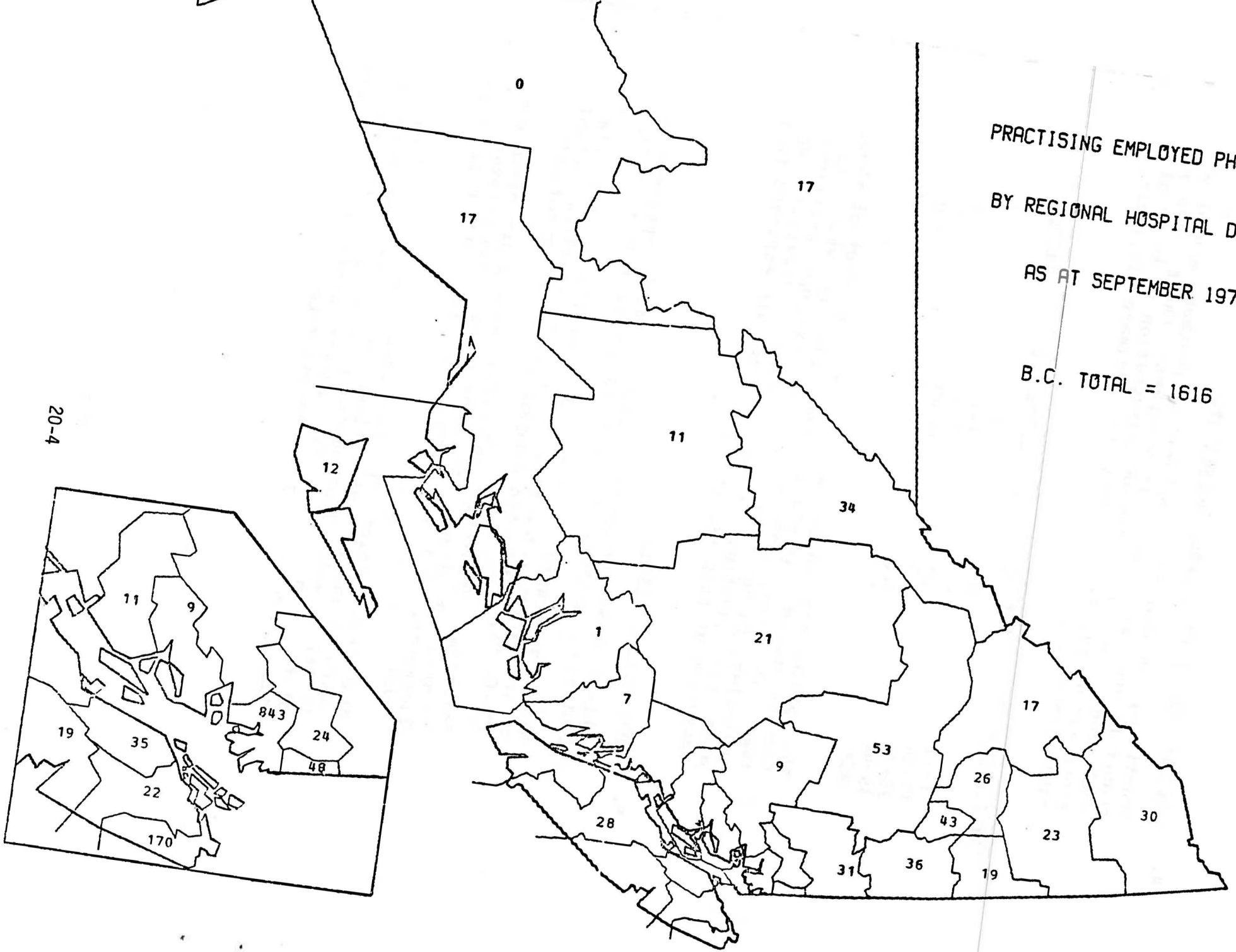
5. Analysis of Change

Table 5 shows the dynamic forces which operated to increase the stock of pharmacists from 1975 to 1977.

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".

Attrition ("Attr'n") indicates those pharmacists who, because of death, retirement or non-renewal of licensure, did not appear in the 1977 pharmacist stock.

Migration ("Migr'n") describes the net effect of intraprovincial migration: it shows the Regional Districts which lost pharmacists and those that gained at the expense of the losing districts. The net "Migration" total is therefore zero.



PRACTISING EMPLOYED PHARMACIST

BY REGIONAL HOSPITAL DISTRICT

AS AT SEPTEMBER 1977

B.C. TOTAL = 1616

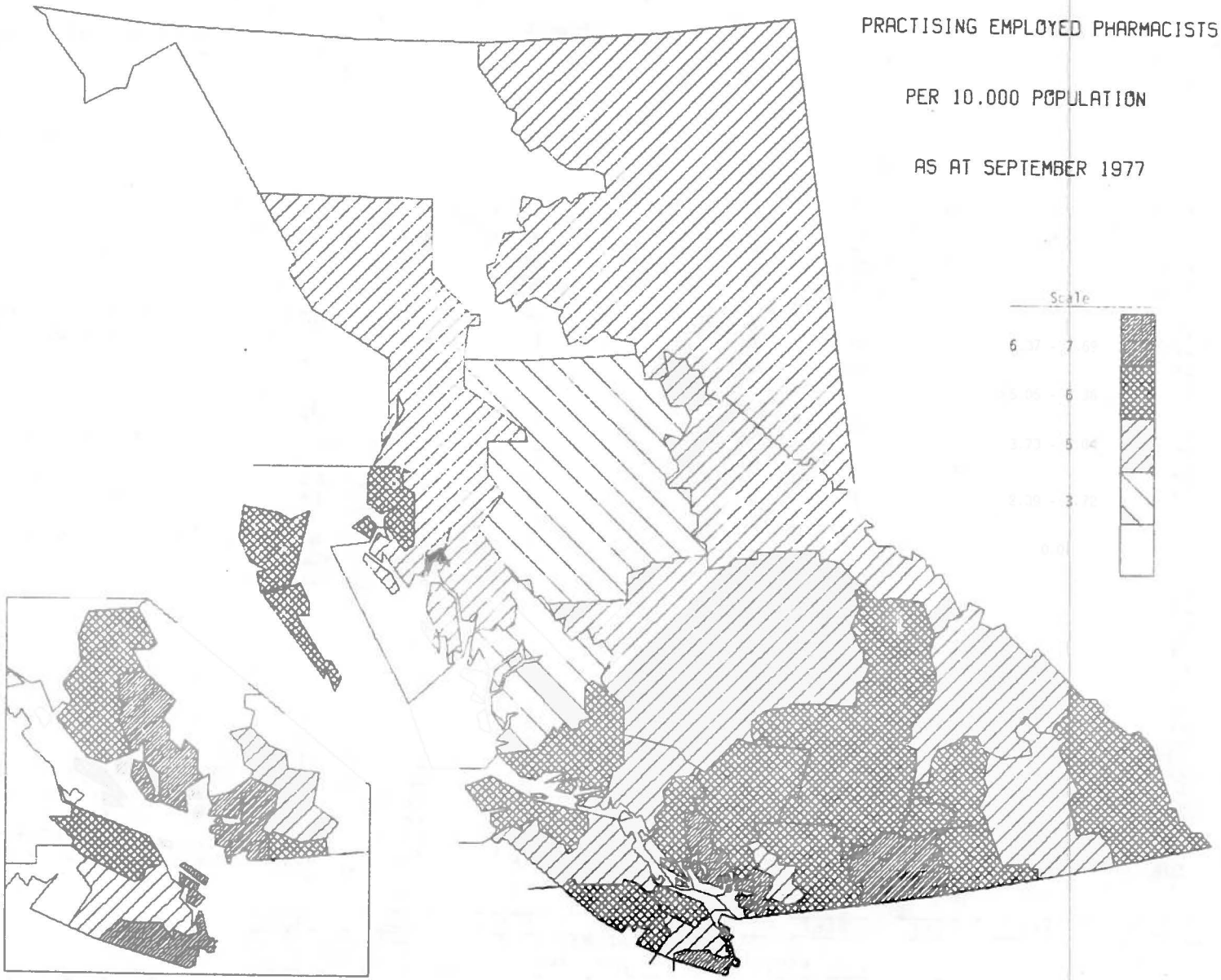

PRACTISING EMPLOYED PHARMACISTS
PER 10.000 POPULATION
AS AT SEPTEMBER 1977
Scale

Table 1.1

Number of Pharmacists[1] in British Columbia

by Registration Status by Regional Hospital District

1975 and 1977

Regional Hospital District		Practising						Non-Practising		Total	
		Employed in Pharmacy		Not Employed in Pharmacy		Subtotal					
		1975	1977	1975	1977	1975	1977	1975	1977	1975	1977
Non-Metropolitan - Subtotal		540	603	44	36	584	639	18	8	602	647
1	East Kootenay	26	30	1	3	27	33	0	0	27	33
2	Central Kootenay	22	23	1	1	23	24	2	1	25	25
2a	Kootenay Boundary	16	19	2	1	18	20	0	0	18	20
3	Okanagan-Similkameen	30	36	2	0	32	36	2	1	34	37
4	Columbia-Shuswap	13	17	1	2	14	19	1	0	15	19
5	North Okanagan	24	26	2	2	26	28	2	1	28	29
6	Central Okanagan	38	43	3	4	41	47	1	0	42	47
7	Thompson-Nicola	52	53	4	2	56	55	0	0	56	55
8	Cariboo	20	21	1	1	21	22	0	0	21	22
9	Squamish-Lillooet	6	9	1	0	7	9	0	0	7	9
10	Fraser-Cheam	31	31	1	0	32	31	0	0	32	31
11	Central Fraser Valley	43	48	3	1	46	49	3	2	49	51
12	Newdney-Alouette	22	24	3	4	25	28	2	1	27	29
14	Sunshine Coast	11	9	1	1	12	10	1	0	13	10
15	Powell River	10	11	0	0	10	11	0	0	10	11
16	Mount Waddington	3	7	0	1	3	8	0	0	3	8
16a	Central Coast	0	1	0	0	0	1	0	0	0	1
17	Skeena-Queen Charlotte	12	12	0	0	12	12	0	0	12	12
18	Kitimat-Stikine	14	17	0	0	14	17	0	0	14	17
19	Bulkley-Nechako	10	11	0	1	10	12	0	0	10	12
20	Fraser-Fort George	30	34	3	1	33	35	1	1	34	36
21	Peace River-Liard	13	17	0	0	13	17	0	0	13	17
22	Stikine	0	0	0	0	0	0	0	0	0	0
24	Cowichan Valley	17	22	2	0	19	22	0	0	19	22
25	Nanaimo	34	35	7	4	41	39	1	1	42	40
26	Alberni-Clayoquot	18	19	3	5	21	24	0	0	21	24
27	Comox-Strathcona	25	28	3	2	28	30	2	0	30	30
Metropolitan - Subtotal		946	1013	129	135	1075	1148	36	30	1111	1178
13	Greater Vancouver	781	843	109	117	890	960	29	24	919	984
23	Capital	165	170	20	18	185	188	7	6	192	194
TOTAL		1486	1616	173	171	1659	1787	54	38	1713	1825

[1] Definitions are as in the attached text.

Prepared by:

Health Manpower Research Unit
University of B.C.

Table 1.2

Number of Pharmacists[1] in British Columbia

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

1975 and 1977

Regional Hospital District		Practising		Non-Practising		Total	
		1975	1977	1975	1977	1975	1977
Non-Metropolitan - Subtotal		4.86	5.06	0.40	0.30	5.26	5.37
1	East Kootenay	5.76	6.28	0.22	0.63	5.99	6.90
2	Central Kootenay	4.57	4.62	0.21	0.20	4.78	4.82
2a	Kootenay Boundary	5.06	5.98	0.63	0.31	5.69	6.30
3	Okanagan-Similkameen	6.03	6.76	0.40	0.0	6.43	6.76
4	Columbia-Shuswap	3.76	4.65	0.29	0.55	4.05	5.20
5	North Okanagan	5.42	5.26	0.45	0.40	5.87	5.67
6	Central Okanagan	5.67	5.70	0.45	0.53	6.12	6.23
7	Thompson-Nicola	5.85	5.56	0.45	0.21	6.30	5.77
8	Cariboo	4.07	3.88	0.20	0.18	4.27	4.07
9	Squamish-Lillooet	3.94	5.52	0.66	0.0	4.60	5.52
10	Fraser-Cheam	6.15	5.91	0.20	0.0	6.35	5.91
11	Central Fraser Valley	5.25	5.11	0.37	0.11	5.61	5.22
12	Dewdney-Alouette	4.40	4.37	0.60	0.73	5.00	5.10
14	Sunshine Coast	9.22	6.88	0.84	0.76	10.05	7.65
15	Powell River	5.15	5.54	0.0	0.0	5.15	5.54
16	Mount Waddington	2.49	5.43	0.0	0.78	2.49	6.21
16a	Central Coast	0.0	2.39	0.0	0.0	0.0	2.39
17	Skeena-Queen Charlotte	5.31	5.28	0.0	0.0	5.31	5.28
18	Kitimat-Stikine	3.64	4.36	0.0	0.0	3.64	4.36
19	Bulkley-Nechako	3.17	3.26	0.0	0.30	3.17	3.56
20	Fraser-Fort George	3.92	4.11	0.39	0.12	4.31	4.23
21	Peace River-Liard	2.91	3.78	0.0	0.0	2.91	3.78
22	Stikine	0.0	0.0	0.0	0.0	0.0	0.0
24	Cowichan Valley	3.74	4.52	0.44	0.0	4.18	4.52
25	Nanaimo	5.75	5.41	1.18	0.62	6.94	6.03
26	Alberni-Clayoquot	5.61	5.89	0.93	1.55	6.54	7.44
27	Comox-Strathcona	4.53	4.73	0.54	0.34	5.07	5.07
Metropolitan - Subtotal		7.28	7.60	0.99	1.01	8.27	8.62
13	Greater Vancouver	7.27	7.69	1.02	1.07	8.29	8.75
23	Capital	7.32	7.21	0.89	0.76	8.21	7.97
TOTAL		6.17	6.41	0.72	0.68	6.88	7.08

[1] Definitions are as in the attached text.

Prepared by:

Health Manpower Research Unit
University of B.C.

Table 1.3

Estimated Annual Rate of Change[4]; Pharmacists[1]

in British Columbia by Registration Status by Regional Hospital District

from 1975 to 1977

Regional Hospital District		Practising		Non-Practising		Total	
		Number[2]	Ratio[3]	Number[2]	Ratio[3]	Number[2]	Ratio[3]
Non-Metropolitan - Subtotal		5.83	2.10	-9.09	-11.83	4.71	1.05
1	East Kootenay	7.69	4.44	*	*	11.11	7.67
2	Central Kootenay	2.27	0.52	*	*	2.17	0.43
2a	Kootenay Boundary	9.38	9.14	*	*	5.56	5.34
3	Okanagan-Similkameen	10.00	6.05	*	*	6.25	2.55
4	Columbia-Shuswap	15.38	11.86	*	*	17.86	14.20
5	North Okanagan	4.17	-1.45	*	*	3.85	-1.74
6	Central Okanagan	6.58	0.26	*	*	7.32	0.91
7	Thompson-Nicola	0.96	-2.54	*	*	-0.89	-4.26
8	Cariboo	2.50	-2.26	*	*	2.38	-2.37
9	Squamish-Lillooet	*	*	*	*	*	*
10	Fraser-Cheam	0.0	-2.02	*	*	-1.56	-3.52
11	Central Fraser Valley	5.81	-1.29	*	*	3.26	-3.52
12	Dewdney-Alouette	4.55	-0.36	*	*	6.00	0.97
14	Sunshine Coast	-9.09	-12.66	*	*	-8.33	-11.97
15	Powell River	5.00	3.77	*	*	5.00	3.77
16	Mount Waddington	*	*	*	*	*	*
16a	Central Coast	*	*	*	*	*	*
17	Skeena-Queen Charlotte	0.0	-0.32	*	*	0.0	-0.32
18	Kitimat-Stikine	10.71	9.85	*	*	10.71	9.85
19	Bulkley-Nechako	5.00	1.43	*	*	10.00	6.11
20	Fraser-Fort George	6.67	2.49	*	*	3.03	-0.88
21	Peace River-Liard	15.38	14.89	*	*	15.38	14.89
22	Stikine	*	*	*	*	*	*
24	Cowichan Valley	14.71	10.40	*	*	7.89	4.04
25	Nanaimo	1.47	-2.95	*	*	-2.44	-6.52
26	Alberni-Clayoquot	2.78	2.50	*	*	7.14	6.84
27	Comox-Strathcona	6.00	2.27	*	*	3.57	0.01
Metropolitan - Subtotal		3.54	2.21	2.33	1.03	3.40	2.07
13	Greater Vancouver	3.97	2.85	3.67	2.56	3.93	2.31
23	Capital	1.52	-0.74	-5.00	-6.97	0.81	-1.41
TOTAL		4.37	1.94	-0.58	-2.79	3.86	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.
[4] A two year rate of change has been adjusted to an annual figure.
* Indicates that the base for the rate of change was less than 10.

Prepared by:

Health Manpower Research Unit
University of B.C.

Table 2.1

Number of Practising Employed Pharmacists[1] in British Columbia

by Type of Employer by Regional Hospital District

1975 and 1977

Regional Hospital District		Community Pharmacy		Hospital Pharmacy		Other		Unknown		Total	
		1975	1977	1975	1977	1975	1977	1975	1977	1975	1977
Non-Metropolitan - Subtotal		479	538	50	51	10	10	1	4	540	603
1	East Kootenay	24	28	2	2	0	0	0	0	26	30
2	Central Kootenay	21	21	1	2	0	0	0	0	22	23
2a	Kootenay Boundary	14	17	1	1	0	0	1	1	16	19
3	Okanagan-Similkameen	25	29	3	4	2	2	0	1	30	36
4	Columbia-Shuswap	11	15	1	2	1	0	0	0	13	17
5	North Okanagan	22	24	2	2	0	0	0	0	24	26
6	Central Okanagan	33	38	3	3	2	2	0	0	38	43
7	Thompson-Nicola	45	47	6	5	1	1	0	0	52	53
8	Cariboo	18	18	2	2	0	0	0	1	20	21
9	Squamish-Lillooet	6	9	0	0	0	0	0	0	6	9
10	Fraser-Cheam	28	26	2	3	1	2	0	0	31	31
11	Central Fraser Valley	39	44	4	4	0	0	0	0	43	48
12	Dewdney-Alouette	21	23	1	1	0	0	0	0	22	24
14	Sunshine Coast	10	8	1	1	0	0	0	0	11	9
15	Powell River	9	10	1	1	0	0	0	0	10	11
16	Mount Waddington	3	7	0	0	0	0	0	0	3	7
16a	Central Coast	0	0	0	1	0	0	0	0	0	1
17	Skeena-Queen Charlotte	10	11	2	1	0	0	0	0	12	12
18	Kitimat-Stikine	14	17	0	0	0	0	0	0	14	17
19	Bulkley-Nechako	10	10	0	1	0	0	0	0	10	11
20	Fraser-Fort George	25	29	5	5	0	0	0	0	30	34
21	Peace River-Liard	13	15	0	1	0	0	0	1	13	17
22	Stikine	0	0	0	0	0	0	0	0	0	0
24	Cowichan Valley	14	20	3	2	0	0	0	0	17	22
25	Nanaimo	29	31	4	3	1	1	0	0	34	35
26	Alberni-Clayoquot	17	18	1	1	0	0	0	0	18	19
27	Comox-Strathcona	18	23	5	3	2	2	0	0	25	28
Metropolitan - Subtotal		733	786	128	138	79	79	6	10	946	1013
13	Greater Vancouver	603	651	96	109	76	74	6	9	781	843
23	Capital	130	135	32	29	3	5	0	1	165	170
TOTAL		1212	1324	178	189	89	89	7	14	1486	1616

[1] Definitions are as in the attached text.

Prepared by:

Health Manpower Research Unit
University of B.C.

Table 2.2

Number of Practising Employed Pharmacists[1] in British Columbia per 10,000 Population by Type of Employer by Regional Hospital District

1975 and 1977

Regional Hospital District	Community Pharmacy		Hospital Pharmacy		Other		Unknown		Total	
	1975	1977	1975	1977	1975	1977	1975	1977	1975	1977
Non-Metropolitan - Subtotal	4.31	4.52	0.45	0.43	0.09	0.08	0.01	0.03	4.86	5.06
1 East Kootenay	5.32	5.86	0.44	0.42	0.0	0.0	0.0	0.0	5.76	6.28
2 Central Kootenay	4.36	4.22	0.21	0.40	0.0	0.0	0.0	0.0	4.57	4.62
2a Kootenay Boundary	4.42	5.35	0.32	0.31	0.0	0.0	0.32	0.31	5.06	5.98
3 Okanagan-Similkameen	5.02	5.44	0.60	0.75	0.40	0.38	0.0	0.19	6.03	6.76
4 Columbia-Shuswap	3.18	4.10	0.29	0.55	0.29	0.0	0.0	0.0	3.76	4.65
5 North Okanagan	4.97	4.86	0.45	0.40	0.0	0.0	0.0	0.0	5.42	5.26
6 Central Okanagan	4.92	5.04	0.45	0.40	0.30	0.27	0.0	0.0	5.67	5.70
7 Thompson-Nicola	5.06	4.93	0.68	0.52	0.11	0.10	0.0	0.0	5.85	5.56
8 Cariboo	3.66	3.33	0.41	0.37	0.0	0.0	0.0	0.18	4.07	3.88
9 Squamish-Lillooet	3.94	5.52	0.0	0.0	0.0	0.0	0.0	0.0	3.94	5.52
10 Fraser-Cheam	5.56	4.95	0.40	0.57	0.20	0.38	0.0	0.0	6.15	5.91
11 Central Fraser Valley	4.76	4.69	0.49	0.43	0.0	0.0	0.0	0.0	5.25	5.11
12 Dewdney-Alouette	4.20	4.19	0.20	0.18	0.0	0.0	0.0	0.0	4.40	4.37
14 Sunshine Coast	8.38	6.12	0.84	0.76	0.0	0.0	0.0	0.0	9.22	6.88
15 Powell River	4.63	5.03	0.51	0.50	0.0	0.0	0.0	0.0	5.15	5.54
16 Mount Waddington	2.49	5.43	0.0	0.0	0.0	0.0	0.0	0.0	2.49	5.43
16a Central Coast	0.0	0.0	0.0	2.39	0.0	0.0	0.0	0.0	0.0	2.39
17 Skeena-Queen Charlotte	4.43	4.84	0.89	0.44	0.0	0.0	0.0	0.0	5.31	5.28
18 Kitimat-Stikine	3.64	4.36	0.0	0.0	0.0	0.0	0.0	0.0	3.64	4.36
19 Bulkley-Nechako	3.17	2.97	0.0	0.30	0.0	0.0	0.0	0.0	3.17	3.26
20 Fraser-Fort George	3.27	3.51	0.65	0.60	0.0	0.0	0.0	0.0	3.92	4.11
21 Peace River-Liard	2.91	3.33	0.0	0.22	0.0	0.0	0.0	0.22	2.91	3.78
22 Stikine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Cowichan Valley	3.08	4.10	0.66	0.41	0.0	0.0	0.0	0.0	3.74	4.52
25 Nanaimo	4.91	4.79	0.68	0.46	0.17	0.15	0.0	0.0	5.75	5.41
26 Alberni-Clayoquot	5.30	5.58	0.31	0.31	0.0	0.0	0.0	0.0	5.61	5.89
27 Comox-Strathcona	3.26	3.89	0.91	0.51	0.36	0.34	0.0	0.0	4.53	4.73
Metropolitan - Subtotal	5.64	5.90	0.99	1.04	0.61	0.59	0.05	0.08	7.28	7.60
13 Greater Vancouver	5.62	5.94	0.89	0.99	0.71	0.67	0.06	0.08	7.27	7.69
23 Capital	5.77	5.73	1.42	1.23	0.13	0.21	0.0	0.04	7.32	7.21
TOTAL	5.03	5.25	0.74	0.75	0.37	0.35	0.03	0.06	6.17	6.41

[1] Definitions are as in the attached text.

Prepared by:

Health Manpower Research Unit
University of B.C.

Table 2.3 Estimated Annual Rate of Change[4]; Practising Employed Pharmacists[1]

in British Columbia by Type of Employer by Regional Hospital District

from 1975 to 1977

Regional Hospital District	Community Pharmacy		Hospital Pharmacy		Other		Unknown		Total	
	Number[2]	Ratio[3]	Number[2]	Ratio[3]	Number[2]	Ratio[3]	Number[2]	Ratio[3]	Number[2]	Ratio[3]
Non-Metropolitan - Subtotal	6.16	2.40	1.00	-2.41	0.0	-3.35	*	*	5.83	2.10
1 East Kootenay	8.33	5.05	*	*	*	*	*	*	7.69	4.44
2 Central Kootenay	0.0	-1.67	*	*	*	*	*	*	2.27	0.52
2a Kootenay Boundary	10.71	10.48	*	*	*	*	*	*	9.33	9.14
3 Okanagan-Similkameen	8.00	4.18	*	*	*	*	*	*	10.00	6.05
4 Columbia-Shuswap	18.18	14.50	*	*	*	*	*	*	15.38	11.86
5 North Okanagan	4.55	-1.11	*	*	*	*	*	*	4.17	-1.45
6 Central Okanagan	7.58	1.14	*	*	*	*	*	*	6.58	0.26
7 Thompson-Nicola	2.22	-1.36	*	*	*	*	*	*	0.96	-2.54
8 Cariboo	0.0	-4.54	*	*	*	*	*	*	2.50	-2.26
9 Squamish-Lillooet	*	*	*	*	*	*	*	*	*	*
10 Fraser-Cheam	-3.57	-5.45	*	*	*	*	*	*	0.0	-2.02
11 Central Fraser Valley	6.41	-0.77	*	*	*	*	*	*	5.81	-1.29
12 Dewdney-Alouette	4.76	-0.16	*	*	*	*	*	*	4.55	-0.36
14 Sunshine Coast	-10.00	-13.49	*	*	*	*	*	*	-9.09	-12.66
15 Powell River	*	*	*	*	*	*	*	*	5.00	3.77
16 Mount Waddington	*	*	*	*	*	*	*	*	*	*
16a Central Coast	*	*	*	*	*	*	*	*	*	*
17 Skeena-Queen Charlotte	5.00	4.65	*	*	*	*	*	*	0.0	-0.32
18 Kitimat-Stikine	10.71	9.85	*	*	*	*	*	*	10.71	9.85
19 Bulkley-Nechako	0.0	-3.25	*	*	*	*	*	*	5.00	1.53
20 Fraser-Fort George	8.00	3.72	*	*	*	*	*	*	6.67	2.49
21 Peace River-Liard	7.69	7.26	*	*	*	*	*	*	15.38	14.89
22 Stikine	*	*	*	*	*	*	*	*	*	*
24 Cowichan Valley	21.43	16.67	*	*	*	*	*	*	14.71	10.40
25 Nanaimo	3.45	-1.14	*	*	*	*	*	*	1.47	-2.95
26 Alberni-Clayoquot	2.94	2.66	*	*	*	*	*	*	2.78	2.50
27 Comox-Strathcona	13.89	9.64	*	*	*	*	*	*	6.00	2.27
Metropolitan - Subtotal	3.62	2.28	3.91	2.57	0.0	-1.24	*	*	3.54	2.21
13 Greater Vancouver	3.98	2.86	6.77	5.59	-1.32	-2.33	*	*	3.97	2.85
23 Capital	1.92	-0.35	-4.69	-6.67	*	*	*	*	1.52	-0.74
TOTAL	4.62	2.18	3.09	0.72	0.0	-2.24	*	*	4.37	1.94

[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.
[4] A two year rate of change has been adjusted to an annual figure.
* Indicates that the base for the rate of change was less than 10.

Prepared by:

Health Manpower Research Unit
University of B.C.

Table 3.1

Number of Practising Employed Pharmacists[1] in British Columbia by Type of Employment by Regional Hospital District

1975 and 1977

Regional Hospital District		Manager		Dispensing Pharm.		Other		Unknown		Total	
		1975	1977	1975	1977	1975	1977	1975	1977	1975	1977
Non-Metropolitan - Subtotal		195	245	263	291	74	55	8	12	540	603
1	East Kootenay	9	13	11	15	6	2	0	0	26	30
2	Central Kootenay	10	12	6	6	6	5	0	0	22	23
2a	Kootenay Boundary	8	8	3	7	4	3	1	1	16	19
3	Okanagan-Similkameen	8	12	16	20	6	3	0	1	30	36
4	Columbia-Shuswap	6	9	3	4	3	2	1	2	13	17
5	North Okanagan	7	11	15	12	1	1	1	2	24	26
6	Central Okanagan	13	18	20	18	5	7	0	0	38	43
7	Thompson-Nicola	18	17	28	30	6	5	0	1	52	53
8	Cariboo	5	9	9	10	4	1	2	1	20	21
9	Squamish-Lillooet	3	3	3	6	0	0	0	0	6	9
10	Fraser-Cheam	9	10	15	16	7	5	0	0	31	31
11	Central Fraser Valley	13	17	26	29	3	2	1	0	43	48
12	Dewdney-Alouette	6	10	10	11	5	3	1	0	22	24
14	Sunshine Coast	5	5	5	3	1	1	0	0	11	9
15	Powell River	4	4	5	6	1	1	0	0	10	11
16	Mount Waddington	2	3	1	3	0	0	0	1	3	7
16a	Central Coast	0	0	0	0	0	1	0	0	0	1
17	Skeena-Queen Charlotte	4	6	8	5	0	0	0	1	12	12
18	Kitimat-Stikine	6	8	7	8	1	1	0	0	14	17
19	Bulkley-Nechako	6	8	2	2	2	1	0	0	10	11
20	Fraser-Fort George	12	12	18	21	0	1	0	0	30	34
21	Peace River-Liard	7	8	5	8	1	0	0	1	13	17
22	Stikine	0	0	0	0	0	0	0	0	0	0
24	Cowichan Valley	5	9	10	12	1	0	1	1	17	22
25	Nanaimo	15	14	18	18	1	3	0	0	34	35
26	Alberni-Clayoquot	7	8	9	10	2	1	0	0	18	19
27	Comox-Strathcona	7	11	10	11	8	6	0	0	25	28
Metropolitan - Subtotal		255	282	504	566	173	153	14	12	946	1013
13	Greater Vancouver	211	233	411	471	145	128	14	11	781	843
23	Capital	44	49	93	95	28	25	0	1	165	170
TOTAL		450	527	767	857	247	208	22	24	1486	1616

[1] Definitions are as in the attached text.

Prepared by:

Health Manpower Research Unit
University of B.C.

Table 3.2 Number of Practising Employed Pharmacists[1] in British Columbia per 10,000 Population by Type of Employment by Regional Hospital District 1975 and 1977

Regional Hospital District	Manager		Dispensing Pharm.		Other		Unknown		Total	
	1975	1977	1975	1977	1975	1977	1975	1977	1975	1977
Non-Metropolitan - Subtotal	1.76	2.06	2.37	2.44	0.67	0.46	0.07	0.10	4.86	5.06
1 East Kootenay	2.00	2.72	2.44	3.14	1.33	0.42	0.0	0.0	5.76	6.28
2 Central Kootenay	2.08	2.41	1.25	1.20	1.25	1.00	0.0	0.0	4.57	4.62
2a Kootenay Boundary	2.53	2.52	0.95	2.20	1.26	0.94	0.32	0.31	5.06	5.98
3 Okanagan-Similkameen	1.61	2.25	3.22	3.75	1.21	0.56	0.0	0.19	6.03	6.76
4 Columbia-Shuswap	1.73	2.46	0.87	1.09	0.87	0.55	0.29	0.55	3.76	4.65
5 North Okanagan	1.58	2.23	3.39	2.43	0.23	0.20	0.23	0.40	5.42	5.26
6 Central Okanagan	1.94	2.39	2.98	2.39	0.75	0.93	0.0	0.0	5.67	5.70
7 Thompson-Nicola	2.03	1.78	3.15	3.14	0.68	0.52	0.0	0.10	5.85	5.56
8 Cariboo	1.02	1.66	1.83	1.85	0.81	0.18	0.41	0.18	4.07	3.88
9 Squamish-Lillooet	1.97	1.84	1.97	3.68	0.0	0.0	0.0	0.0	3.94	5.52
10 Fraser-Cheam	1.79	1.91	2.98	3.05	1.39	0.95	0.0	0.0	6.15	5.91
11 Central Fraser Valley	1.59	1.81	3.17	3.09	0.37	0.21	0.12	0.0	5.25	5.11
12 Dewdney-Alouette	1.20	1.82	2.00	2.00	1.00	0.55	0.20	0.0	4.40	4.37
14 Sunshine Coast	4.19	3.82	4.19	2.29	0.84	0.76	0.0	0.0	9.22	6.88
15 Powell River	2.06	2.01	2.57	3.02	0.51	0.50	0.0	0.0	5.15	5.54
16 Mount Waddington	1.66	2.33	0.83	2.33	0.0	0.0	0.0	0.78	2.49	5.43
16a Central Coast	0.0	0.0	0.0	0.0	0.0	2.39	0.0	0.0	0.0	2.39
17 Skeena-Queen Charlotte	1.77	2.64	3.54	2.20	0.0	0.0	0.0	0.44	5.31	5.28
18 Kitimat-Stikine	1.56	2.05	1.82	2.05	0.26	0.26	0.0	0.0	3.64	[illegible] 36
19 Bulkley-Nechako	1.90	2.37	0.63	0.59	0.63	0.30	0.0	0.0	3.17	3.26
20 Fraser-Fort George	1.57	1.45	2.35	2.54	0.0	[illegible] 0.12	0.0	0.0	3.92	4.11
21 Peace River-Liard	1.57	1.78	1.12	1.78	0.22	0.0	0.0	0.22	2.91	3.78
22 Stikine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Cowichan Valley	1.10	1.85	2.20	2.46	0.22	0.0	0.22	0.21	3.74	4.52
25 Nanaimo	2.54	2.17	3.05	2.78	0.17	0.46	0.0	0.0	5.75	5.41
26 Alberni-Clayoquot	2.18	2.48	2.80	3.10	0.62	0.31	0.0	0.0	5.61	5.89
27 Comox-Strathcona	1.27	1.86	1.81	1.86	1.45	1.01	0.0	0.0	4.53	4.73
Metropolitan - Subtotal	1.96	2.12	3.88	4.25	1.33	1.15	0.11	0.09	7.28	7.60
13 Greater Vancouver	1.96	2.12	3.83	4.29	1.35	1.17	0.13	0.10	7.27	7.69
23 Capital	1.95	2.08	4.13	4.03	1.24	1.06	0.0	0.04	7.32	7.21
TOTAL	1.87	2.09	3.18	3.40	1.02	0.82	0.09	0.10	6.17	6.41

[1] Definitions are as in the attached text.

Prepared by:

Health Manpower Research Unit
University of B.C.

Table 3.3

Estimated Annual Rate of Change[4]; Practising Employed Pharmacists[1] in British Columbia by Type of Employment by Regional Hospital District from 1975 to 1977

Regional Hospital District	Manager		Dispensing Pharm.		Other		Unknown		Total	
	Number[2]	Ratio[3]	Number[2]	Ratio[3]	Number[2]	Ratio[3]	Number[2]	Ratio[3]	Number[2]	Ratio[3]
Non-Metropolitan - Subtotal	12.82	8.61	5.32	1.62	-12.84	-15.33	*	*	5.83	2.10
1 East Kootenay	*	*	18.18	14.34	*	*	*	*	7.69	4.44
2 Central Kootenay	10.00	7.99	*	*	*	*	*	*	2.27	0.52
2a Kootenay Boundary	*	*	*	*	*	*	*	*	9.38	9.14
3 Okanagan-Similkameen	*	*	12.50	8.38	*	*	*	*	10.00	6.05
4 Columbia-Shuswap	*	*	*	*	*	*	*	*	15.38	11.86
5 North Okanagan	*	*	-10.00	-14.15	*	*	*	*	4.17	-1.45
6 Central Okanagan	19.23	11.50	-5.00	-10.03	*	*	*	*	6.58	0.26
7 Thompson-Nicola	-2.78	-6.02	3.57	-0.11	*	*	*	*	0.96	-2.54
8 Cariboo	*	*	*	*	*	*	*	*	2.50	-2.26
9 Squamish-Lillooet	*	*	*	*	*	*	*	*	*	*
10 Fraser-Cheam	*	*	3.33	1.18	*	*	*	*	0.0	-2.02
11 Central Fraser Valley	15.38	7.07	5.77	-1.33	*	*	*	*	5.81	-1.29
12 Dewdney-Alouette	*	*	5.00	0.06	*	*	*	*	4.55	-0.36
14 Sunshine Coast	*	*	*	*	*	*	*	*	-9.09	-12.66
15 Powell River	*	*	*	*	*	*	*	*	5.00	3.77
16 Mount Waddington	*	*	*	*	*	*	*	*	*	*
16a Central Coast	*	*	*	*	*	*	*	*	*	*
17 Skeena-Queen Charlotte	*	*	*	*	*	*	*	*	0.0	-0.32
18 Kitimat-Stikine	*	*	*	*	*	*	*	*	10.71	9.85
19 Bulkley-Nechako	*	*	*	*	*	*	*	*	5.00	1.43
20 Fraser-Fort George	0.0	-3.69	8.33	4.03	*	*	*	*	6.67	2.49
21 Peace River-Liard	*	*	*	*	*	*	*	*	15.38	14.89
22 Stikine	*	*	*	*	*	*	*	*	*	*
24 Cowichan Valley	*	*	10.00	6.01	*	*	*	*	14.71	10.40
25 Nanaimo	-3.33	-7.34	0.0	-4.29	*	*	*	*	1.47	-2.95
26 Alberni-Clayoquot	*	*	*	*	*	*	*	*	2.78	2.50
27 Comox-Strathcona	*	*	5.00	1.34	*	*	*	*	6.00	2.27
Metropolitan - Subtotal	5.29	3.92	6.15	4.76	-5.78	-6.88	-7.14	-8.21	3.54	2.21
13 Greater Vancouver	5.21	4.07	7.30	6.11	-5.86	-6.78	-10.71	-11.53	3.97	2.85
23 Capital	5.68	3.25	1.08	-1.16	-5.36	-7.31	*	*	1.52	-0.74
TOTAL	8.56	5.94	5.87	3.37	-7.89	-9.78	4.55	2.11	4.37	1.94

[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.
[4] A two year rate of change has been adjusted to an annual figure.
* Indicates that the base for the rate of change was less than 10.

Prepared by:

Health Manpower Research Unit
University of B.C.

Table 4

Number of Practising Employed Pharmacists[1] and Full-Time Equivalents

in British Columbia by Regional Hospital District

as at September 1977

Regional Hospital District		Pharmacists	Pharmacist Equivalents	Number per 10,000 Population: Pharmacists	Number per 10,000 Population: Pharmacist Equivalents
Non-Metropolitan - Subtotal		603	520.92	5.06	4.38
1	East Kootenay	30	26.34	6.28	5.51
2	Central Kootenay	23	20.30	4.62	4.08
2a	Kootenay Boundary	19	15.38	5.98	4.84
3	Okanagan-Similkameen	36	30.74	6.76	5.77
4	Columbia-Shuswap	17	16.46	4.65	4.50
5	North Okanagan	26	25.22	5.26	5.10
6	Central Okanagan	43	39.58	5.70	5.24
7	Thompson-Nicola	53	45.66	5.56	4.79
8	Cariboo	21	16.20	3.88	3.00
9	Squamish-Lillooet	9	6.24	5.52	3.83
10	Fraser-Cheam	31	27.71	5.91	5.28
11	Central Fraser Valley	48	37.24	5.11	3.97
12	Dewdney-Alouette	24	20.91	4.37	3.81
14	Sunshine Coast	9	7.66	6.88	5.86
15	Powell River	11	8.28	5.54	4.17
16	Mount Waddington	7	6.05	5.43	4.69
16a	Central Coast	1	0.85	2.39	2.03
17	Skeena-Queen Charlotte	12	10.46	5.28	4.60
18	Kitimat-Stikine	17	15.35	4.36	3.94
19	Bulkley-Nechako	11	11.01	3.26	3.27
20	Fraser-Fort George	34	31.50	4.11	3.81
21	Peace River-Liard	17	14.35	3.78	3.19
22	Stikine	0	0.0	0.0	0.0
24	Cowichan Valley	22	17.79	4.52	3.65
25	Nanaimo	35	30.96	5.41	4.79
26	Alberni-Clayoquot	19	16.10	5.89	4.99
27	Comox-Strathcona	28	22.58	4.73	3.82
Metropolitan - Subtotal		1013	854.16	7.60	6.41
13	Greater Vancouver	843	708.09	7.69	6.46
23	Capital	170	146.07	7.21	6.20
TOTAL		1616	1375.08	6.41	5.45

[1] Definitions are as in the attached text.

Prepared By:
Health Manpower Research Unit
University of B.C.

Table 5

Analysis of Changes in the Number of Practising Pharmacists[1] in British Columbia by Place of Graduation by Regional Hospital District from 1975 to 1977

Regional Hospital District		1975[3]	New Registrants[2] by Place of Graduation					Attr'n[5]	Migr'n[6]	1977[7]
			B.C.	O.Can.[4]	U.K.	Other	Total			
Non-Metropolitan - Subtotal		584	63	19	1	2	85	38	8	639
1	East Kootenay	27	6	1	0	0	7	1	0	33
2	Central Kootenay	23	3	1	0	0	4	0	-3	24
2a	Kootenay Boundary	18	1	0	0	0	1	0	1	20
3	Okanagan-Similkameen	32	2	0	0	0	2	2	4	36
4	Columbia-Shuswap	14	2	0	0	0	2	0	3	19
5	North Okanagan	26	3	0	0	0	3	1	0	28
6	Central Okanagan	41	4	3	0	0	7	3	2	47
7	Thompson-Nicola	56	2	1	0	0	3	3	-1	55
8	Cariboo	21	4	1	0	0	5	2	-2	22
9	Squamish-Lillooet	7	2	0	1	0	3	1	0	9
10	Fraser-Cheam	32	3	1	0	0	4	4	-1	31
11	Central Fraser Valley	46	6	0	0	0	6	3	0	49
12	Dewdney-Alouette	25	2	1	0	0	3	2	2	28
14	Sunshine Coast	12	1	0	0	0	1	3	0	10
15	Powell River	10	1	0	0	0	1	0	0	11
16	Mount Waddington	3	1	0	0	0	1	0	4	8
16a	Central Coast	0	1	0	0	0	1	0	0	1
17	Skeena-Queen Charlotte	12	3	1	0	0	4	1	-3	12
18	Kitimat-Stikine	14	4	1	0	0	5	0	-2	17
19	Bulkley-Nechako	10	1	1	0	0	2	0	0	12
20	Fraser-Fort George	33	2	2	0	0	4	2	0	35
21	Peace River-Liard	13	2	0	0	0	2	1	3	17
22	Stikine	0	0	0	0	0	0	0	0	0
24	Cowichan Valley	19	1	2	0	1	4	1	0	22
25	Nanaimo	41	4	0	0	0	4	6	0	39
26	Alberni-Clayoquot	21	2	2	0	1	5	0	-2	24
27	Comox-Strathcona	28	0	1	0	0	1	2	3	30
Metropolitan - Subtotal		1075	122	19	9	15	165	84	-8	1148
13	Greater Vancouver	890	117	13	8	14	152	73	-9	960
23	Capital	185	5	6	1	1	13	11	1	188
TOTAL		1659	185	38	10	17	250	122	0	1787

[1] Definitions are as in the attached text.
[2] Practising Pharmacists who were active in 1977 but not in 1975.
[3] Number of Practising Pharmacists as at September 1975.
[4] Other Canada.
[5] Practising Pharmacists who were active in 1975 but not in 1977.
[6] Net effect of intra-provincial migration.
[7] Number of Practising Pharmacists as at September 1977.

Prepared by:

Health Manpower Research Unit
University of B.C.

21. PHYSICIANS

21. PHYSICIANS

Definition: A physician is concerned with preventing, diagnosing, and treating human illnesses.

"Activities include:
Conducting medical examinations, making diagnoses, prescribing and giving treatment for diseases, disorders and injuries of the human body and applying preventive medicine techniques; performing surgical operations in the treatment of injuries, diseases and disorders of the human body; and performing related tasks." [1]

Date of Record: Location and personal data are as at September 18, 1975, and September 18, 1977. These are the dates of closure for entries into the Medical Directory issued by the College of Physicians and Surgeons of British Columbia.

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

Preparation and Updating:

Notification of new registrants or change in location or type of registration is received by the Health Manpower Research Unit from the College on a weekly basis. Monthly updates on billing status, specialty listing, and type of practice used to prepare physician profiles, are received from the Medical Services Commission. These updates are entered after careful editing and reconciliation of inconsistencies into PHYSFILE, a dynamic computer-based file which is used to generate the Directory each year in mid-September. Funding is provided by the College for a part-time coder/editor to handle information supplied by the College.

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; this information is also used to update PHYSFILE.

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[1] Canadian Classification and Dictionary of Occupations 1971 vol.1, p. 121, No. 3111.

Definitions:

1. Directory Active Physicians

Directory Active Physicians are registered in British Columbia by the College of Physicians and Surgeons of B.C. At the date of record, they have a B.C. address and are licensed to practice medicine. Directory Active includes physicians who are on the full, limited or temporary registers (temporary includes those who are in postgraduate training or have temporary licences to practice).
Addresses are those selected by the physician for publication in the Directory and may be either a home or office address. If more than one office address is used, the physician is assigned to the first listed in the Directory.

2. Registration Status

M.S.C. Active [1]

M.S.C. Active Physicians are not in postgraduate work and have been assigned a valid billing number by the Medical Services Commission. The Medical Services Commission type-of-practice code indicates that these physicians are generally available to the public, whether their type of practice is private, group or salaried.

M.S.C. Not Active [1]

M.S.C. Not Active Physicians are Directory Active Physicians not in postgraduate work who are not categorized as M.S.C. Active.

Postgraduate

Postgraduate are Directory Active Physicians who, according to the records of the College of Physicians and Surgeons of B.C., are involved in postgraduate work. They may be fully-registered or on the temporary (educational) register.

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[1] Due to changes in M.S.C. coding the definition of M.S.C. Active has been revised. Therefore data for 1975 have been changed and are not comparable with the data in ROLLCALL 75.

3. Type of Practice

Those physicians who are M.S.C. Active are divided by the type of practice, according to a code which is assigned by the Medical Services Commission. These groups are "solo", "group", or "salaried" practice and "other" (which is primarily temporary registrants (non-educational).

4. Specialty

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

The M.S.C. specialty code developed to assess patient profiles is used unless:

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

2) the physician has no M.S.C. specialty, in which case the most recent Royal College specialty will be used.

Some physicians have more than one specialty listed in the Directory. The M.S.C. specialty code is therefore followed in that it assumes these physicians are functionally performing as specialists in the group in which their personal profile is assessed.

5. Calculation of Full-Time Equivalents

Only those physicians with billings to the Medical Services Commission of at least $20,000. for the year ended March 31, 1977 are included as full-time physicians. The number of full-time equivalents is calculated from the ratio of the income received from M.S.C. for these physicians to the provincial average for the same specialty group.

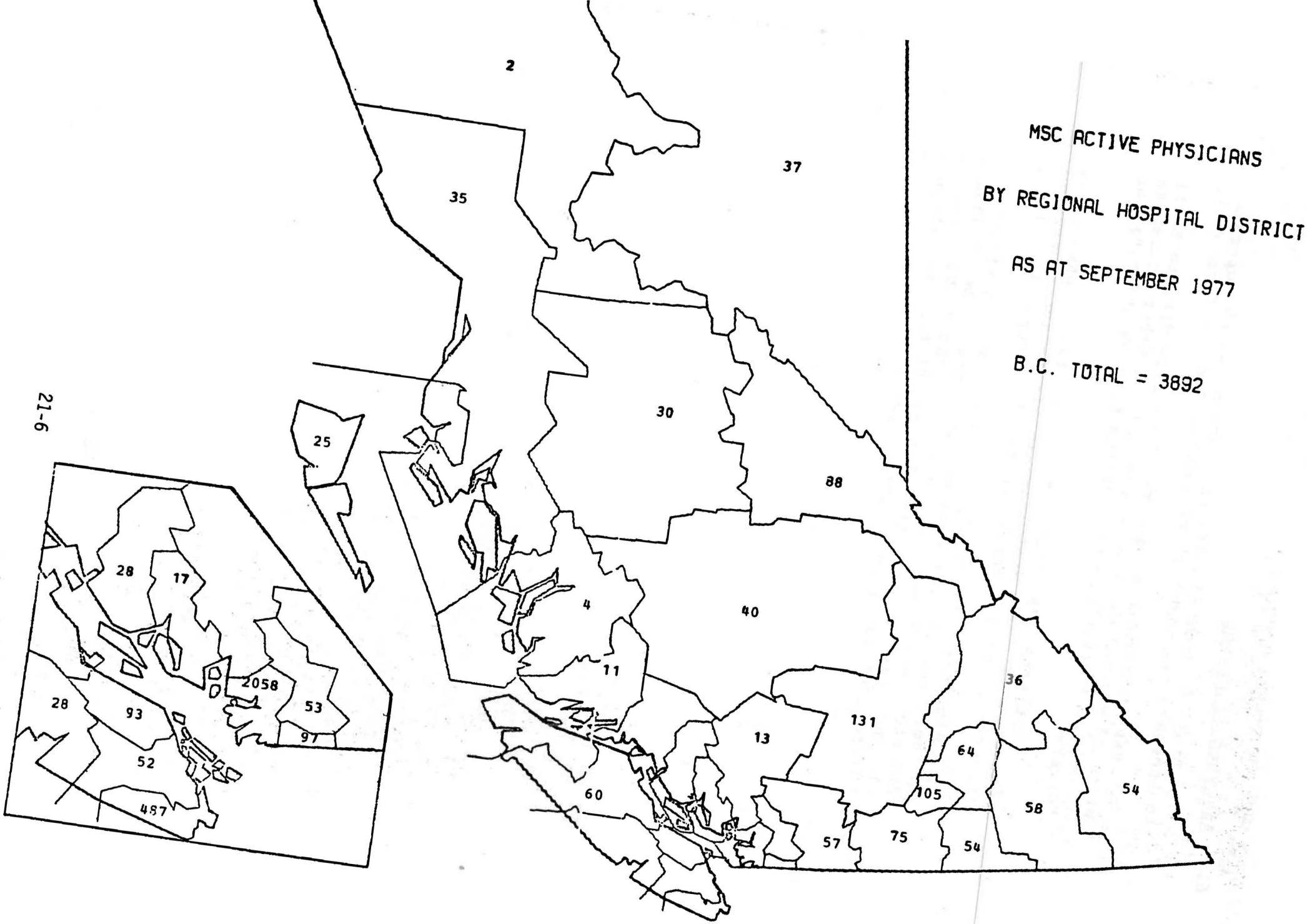
6. Analysis of Change

Table 5 shows the dynamic forces which operated to increase the stock of physicians from 1975 to 1977.

New registrants are recorded according to their place of graduation i.e., from U.B.C., Other Canadian Schools, ("O.Can"), the United Kingdom ("U.K."), or "Other".

Attrition ("Attr'n") indicates those physicians who, because of death, retirement or non-renewal of licensure, did not appear in the 1977 physician stock.

Migration ("Migr'n") describes the net effect of intraprovincial migration: it shows the Regional Districts which lost physicians and those that gained at the expense of the losing districts. The net "Migration" total is therefore zero.


MSC ACTIVE PHYSICIANS
BY REGIONAL HOSPITAL DISTRICT
AS AT SEPTEMBER 1977
B.C. TOTAL = 3892
2
37
35
30
88
25
4
40
11
36
131
13
64
105
54
58
60
57
75
54
28
17
28
93
2058
53
97
52
487

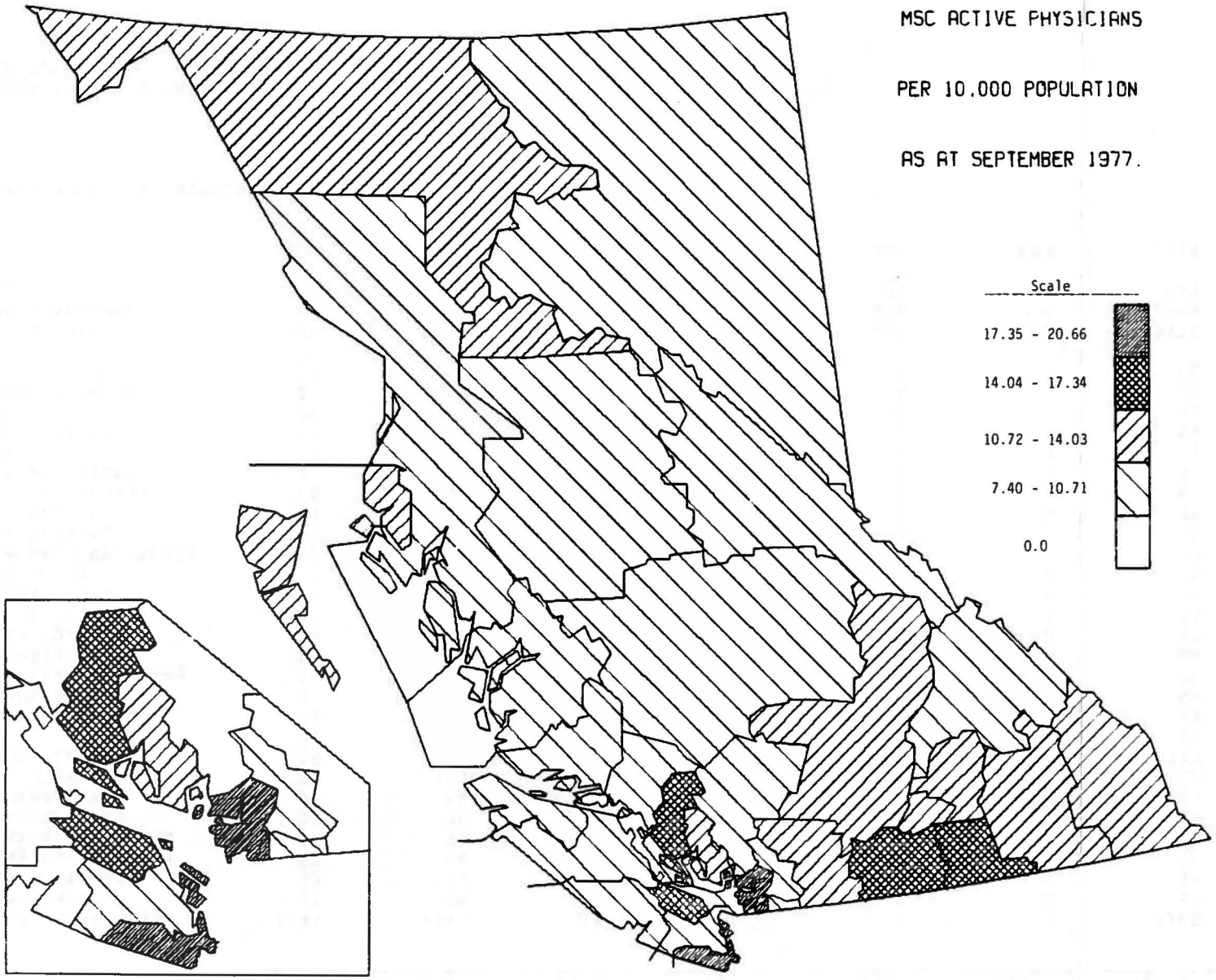

MSC ACTIVE PHYSICIANS
PER 10,000 POPULATION
AS AT SEPTEMBER 1977.
Scale
17.35 - 20.66
14.04 - 17.34
10.72 - 14.03
7.40 - 10.71
0.0

Table 1.1

Number of Directory Active Physicians[1] in British Columbia by Registration Status by Regional Hospital District

1975 and 1977

Regional Hospital District	MSC Active		MSC Not Active		Post Graduate		Total	
	1975	1977	1975	1977	1975	1977	1975	1977
Non-Metropolitan - Subtotal	1231	1347	108	112	1	3	1340	1462
1 East Kootenay	51	54	2	2	0	0	53	56
2 Central Kootenay	52	58	5	4	0	0	57	62
2a Kootenay Boundary	52	54	4	3	0	0	56	57
3 Okanagan-Similkameen	65	75	6	6	0	0	71	81
4 Columbia-Shuswap	37	36	2	0	0	0	39	36
5 North Okanagan	52	64	7	4	0	0	59	68
6 Central Okanagan	94	105	12	7	0	0	106	112
7 Thompson-Nicola	126	131	11	9	0	0	137	140
8 Cariboo	37	40	1	4	0	0	38	44
9 Squamish-Lillooet	12	13	1	0	0	0	13	13
10 Fraser-Cheam	51	57	7	10	0	1	58	68
11 Central Fraser Valley	78	97	7	9	0	0	85	106
12 Dewdney-Alouette	40	53	4	5	0	0	44	58
14 Sunshine Coast	16	17	0	4	1	0	17	21
15 Powell River	27	28	3	3	0	0	30	31
16 Mount Waddington	10	11	0	1	0	0	10	12
16a Central Coast	3	4	2	1	0	0	5	5
17 Skeena-Queen Charlotte	26	25	7	6	0	1	33	32
18 Kitimat-Stikine	42	35	3	6	0	0	45	41
19 Bulkley-Nechako	29	30	2	1	0	0	31	31
20 Fraser-Fort George	80	88	8	7	0	0	88	95
21 Peace River-Liard	33	37	1	2	0	0	34	39
22 Stikine	1	2	0	0	0	0	1	2
24 Cowichan Valley	43	52	1	2	0	0	44	54
25 Nanaimo	88	93	5	6	0	1	93	100
26 Alberni-Clayoquot	25	28	3	3	0	0	28	31
27 Comox-Strathcona	61	60	4	7	0	0	65	67
Metropolitan - Subtotal	2270	2545	507	466	402	400	3179	3411
13 Greater Vancouver	1846	2058	426	388	376	376	2648	2822
23 Capital	424	487	81	78	26	24	531	589
TOTAL	3501	3892	515	578	403	403	4519	4873

[1] Definitions are as in the attached text.

Prepared by:

Health Manpower Research Unit
University of B.C.

Table 1.2

Number of Directory Active Physicians[1] in British Columbia per 10,000 Population by Registration Status by Regional Hospital District 1975 and 1977

Regional Hospital District		MSC Active		MSC Not Active		Post Graduate		Total	
		1975	1977	1975	1977	1975	1977	1975	1977
Non-Metropolitan - Subtotal		11.08	11.31	0.97	0.94	0.01	0.03	12.06	12.28
1	East Kootenay	11.31	11.30	0.44	0.42	0.0	0.0	11.75	11.72
2	Central Kootenay	10.80	11.65	1.04	0.80	0.0	0.0	11.84	12.45
2a	Kootenay Boundary	16.43	17.00	1.26	0.94	0.0	0.0	17.70	17.94
3	Okanagan-Similkameen	13.06	14.08	1.21	1.13	0.0	0.0	14.27	15.20
4	Columbia-Shuswap	10.70	9.85	0.58	0.0	0.0	0.0	11.28	9.85
5	North Okanagan	11.74	12.95	1.58	0.81	0.0	0.0	13.32	13.76
6	Central Okanagan	14.02	13.91	1.79	0.93	0.0	0.0	15.81	14.84
7	Thompson-Nicola	14.18	13.73	1.24	0.94	0.0	0.0	15.42	14.67
8	Cariboo	7.53	7.40	0.20	0.74	0.0	0.0	7.73	8.14
9	Squamish-Lillooet	7.88	7.97	0.66	0.0	0.0	0.0	8.54	7.97
10	Fraser-Cheam	10.13	10.86	1.39	1.91	0.0	0.19	11.52	12.95
11	Central Fraser Valley	9.52	10.33	0.85	0.96	0.0	0.0	10.37	11.29
12	Dewdney-Alouette	8.01	9.65	0.80	0.91	0.0	0.0	8.81	10.57
14	Sunshine Coast	13.40	13.00	0.0	3.06	0.84	0.0	14.24	16.06
15	Powell River	13.90	14.09	1.54	1.51	0.0	0.0	15.44	15.60
16	Mount Waddington	8.29	8.53	0.0	0.78	0.0	0.0	8.29	9.31
16a	Central Coast	7.16	9.57	4.77	2.39	0.0	0.0	11.93	11.97
17	Skeena-Queen Charlotte	11.51	11.00	3.10	2.64	0.0	0.44	14.61	1 .08
18	Kitimat-Stikine	10.93	8.98	0.78	1.54	0.0	0.0	11.71	10.51
19	Bulkley-Nechako	9.20	8.90	0.63	0.30	0.0	0.0	9.83	9.20
20	Fraser-Fort George	10.45	10.65	1.04	0.85	0.0	0.0	11.49	11.49
21	Peace River-Liard	7.39	8.22	0.22	0.44	0.0	0.0	7.61	8.66
22	Stikine	6.54	12.82	0.0	0.0	0.0	0.0	6.54	12.82
24	Cowichan Valley	9.46	10.67	0.22	0.41	0.0	0.0	9.68	11.08
25	Nanaimo	14.89	14.38	0.85	0.93	0.0	0.15	15.73	15.47
26	Alberni-Clayoquot	7.79	8.68	0.93	0.93	0.0	0.0	8.73	9.61
27	Comox-Strathcona	11.05	10.14	0.72	1.18	0.0	0.0	11.77	11.33
Metropolitan - Subtotal		17.47	19.10	3.90	3.50	3.09	3.00	24.47	25.60
13	Greater Vancouver	17.19	18.77	3.97	3.54	3.50	3.43	24.66	25.73
23	Capital	18.81	20.66	3.59	3.31	1.15	1.02	23.55	24.98
TOTAL		14.53	15.43	2.55	2.29	1.67	1.60	18.75	19.31

[1] Definitions are as in the attached text.

Prepared by:

Health Manpower Research Unit
University of B.C.

Estimated Annual Rate of Change[4]; Directory Active Physicians[1]

in British Columbia by Registration Status by Regional Hospital District

from 1975 to 1977

Regional Hospital District	MSC Active		MSC Not Active		Post Graduate		Total	
	Number[2]	Ratio[3]	Number[2]	Ratio[3]	Number[2]	Ratio[3]	Number[2]	Ratio[3]
Non-Metropolitan - Subtotal	4.71	1.05	1.85	-1.62	*	*	4.55	0.90
1 East Kootenay	2.94	-0.04	*	*	*	*	2.83	-0.15
2 Central Kootenay	5.77	3.90	*	*	*	*	4.39	2.56
2a Kootenay Boundary	1.92	1.72	*	*	*	*	0.89	0.69
3 Okanagan-Similkameen	7.69	3.89	*	*	*	*	7.04	3.29
4 Columbia-Shuswap	-1.35	-3.98	*	*	*	*	-3.85	-6.34
5 North Okanagan	11.54	5.15	*	*	*	*	7.63	1.65
6 Central Okanagan	5.85	-0.39	-20.83	-24.09	*	*	2.83	-3.07
7 Thompson-Nicola	1.98	-1.58	-9.09	-11.90	*	*	1.09	-2.41
8 Cariboo	4.05	-0.85	*	*	*	*	7.89	2.64
9 Squamish-Lillooet	4.17	0.59	*	*	*	*	0.0	-3.30
10 Fraser-Cheam	5.88	3.62	*	*	*	*	8.62	6.25
11 Central Fraser Valley	12.18	4.27	*	*	*	*	12.35	4.42
12 Dewdney-Alouette	16.25	10.30	*	*	*	*	15.91	9.99
14 Sunshine Coast	3.13	-1.51	*	*	*	*	11.76	6.37
15 Powell River	1.85	0.69	*	*	*	*	1.67	0.51
16 Mount Waddington	5.00	1.47	*	*	*	*	10.00	6.15
16a Central Coast	*	*	*	*	*	*	*	*
17 Skeena-Queen Charlotte	-1.92	-2.23	*	*	*	*	-1.52	-1.83
18 Kitimat-Stikine	-0.31	-0.93	*	*	*	*	-4.44	-5.09
19 Bulkley-Nechako	1.72	-1.63	*	*	*	*	0.0	-3.25
20 Fraser-Fort George	5.00	0.94	*	*	*	*	3.98	-0.01
21 Peace River-Liard	6.06	5.64	*	*	*	*	7.35	6.92
22 Stikine	*	*	*	*	*	*	*	*
24 Cowichan Valley	10.47	6.44	*	*	*	*	11.36	7.28
25 Nanaimo	2.84	-1.70	*	*	*	*	3.76	-0.85
26 Alberni-Clayoquot	6.00	5.70	*	*	*	*	5.36	5.07
27 Comox-Strathcona	-0.82	-4.09	*	*	*	*	1.54	-1.89
Metropolitan - Subtotal	6.06	4.67	-4.04	-5.18	-0.25	-1.48	3.65	2.32
13 Greater Vancouver	5.74	4.59	-4.46	-5.41	0.0	-1.04	3.29	2.18
23 Capital	7.43	4.92	-1.85	-3.96	-3.85	-5.87	5.46	3.03
TOTAL	5.58	3.10	-3.01	-5.11	0.0	-2.24	3.92	1.51

[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.
[4] A two year rate of change has been adjusted to an annual figure.
* Indicates that the base for the rate of change was less than 10.

Prepared by:

Health Manpower Research Unit
University of B.C.

Table 2.1

Number of MSC Active Physicians[1] in British Columbia by Type of Practice by Regional Hospital District

1975 and 1977

Regional Hospital District		Solo Practice		Group Practice		Salaried		Other[2]		Total	
		1975	1977	1975	1977	1975	1977	1975	1977	1975	1977
Non-Metropolitan - Subtotal		465	567	674	745	13	4	79	31	1231	1347
1	East Kootenay	10	10	38	43	0	0	3	1	51	54
2	Central Kootenay	14	16	34	42	1	0	3	0	52	58
2a	Kootenay Boundary	14	14	32	39	0	0	6	1	52	54
3	Okanagan-Similkameen	35	43	28	32	1	0	1	0	65	75
4	Columbia-Shuswap	7	8	30	28	0	0	0	0	37	36
5	North Okanagan	21	31	31	33	0	0	0	0	52	64
6	Central Okanagan	51	61	42	42	0	0	1	2	94	105
7	Thompson-Nicola	50	56	69	73	1	1	6	1	126	131
8	Cariboo	12	13	17	25	1	0	7	2	37	40
9	Squamish-Lillooet	3	3	8	9	0	0	1	1	12	13
10	Fraser-Cheam	20	25	28	31	0	0	3	1	51	57
11	Central Fraser Valley	29	39	43	54	0	0	6	4	78	97
12	Dewdney-Alouette	11	21	28	32	0	0	1	0	40	53
14	Sunshine Coast	4	5	12	12	0	0	0	0	16	17
15	Powell River	8	10	17	18	0	0	2	0	27	28
16	Mount Waddington	6	7	4	4	0	0	0	0	10	11
16a	Central Coast	1	3	0	1	2	0	0	0	3	4
17	Skeena-Queen Charlotte	9	10	10	13	2	0	5	2	26	25
18	Kitimat-Stikine	18	19	15	13	2	0	7	3	42	35
19	Bulkley-Nechako	6	9	15	18	0	0	8	3	29	30
20	Fraser-Fort George	58	69	16	17	0	0	6	2	80	88
21	Peace River-Liard	4	4	23	29	0	0	6	4	33	37
22	Stikine	0	0	1	2	0	0	0	0	1	2
24	Cowichan Valley	12	19	28	32	1	1	2	0	43	52
25	Nanaimo	33	37	51	53	2	2	2	1	88	93
26	Alberni-Clayoquot	12	15	12	13	0	0	1	0	25	28
27	Comox-Strathcona	17	20	42	37	0	0	2	3	61	60
Metropolitan - Subtotal		1308	1553	837	907	42	38	83	47	2270	2545
13	Greater Vancouver	1061	1261	680	729	33	29	72	39	1846	2058
23	Capital	247	292	157	178	9	9	11	8	424	487
TOTAL		1773	2120	1511	1652	55	42	162	78	3501	3892

[1] Definitions are as in the attached text.
[2] Temporary registrants and physicians on locum tenens.
In 1977 only temporary registrants are included in this category.

Prepared by:

Health Manpower Research Unit
University of B.C.

Table 2.2

Number of MSC Active Physicians[1] in British Columbia per 10,000 Population by Type of Practice by Regional Hospital District

1975 and 1977

Regional Hospital District		Solo Practice		Group Practice		Salaried		Other[2]		Total	
		1975	1977	1975	1977	1975	1977	1975	1977	1975	1977
Non-Metropolitan - Subtotal		4.19	4.76	6.07	6.26	0.12	0.03	0.71	0.26	11.08	11.31
1	East Kootenay	2.22	2.09	8.42	9.00	0.0	0.0	0.67	0.21	11.31	11.30
2	Central Kootenay	2.91	3.21	7.06	8.43	0.21	0.0	0.62	0.0	10.80	11.65
2a	Kootenay Boundary	4.42	4.41	10.11	12.28	0.0	0.0	1.90	0.31	16.43	17.00
3	Okanagan-Similkameen	7.03	8.07	5.63	6.01	0.20	0.0	0.20	0.0	13.06	14.08
4	Columbia-Shuswap	2.02	2.19	8.67	7.66	0.0	0.0	0.0	0.0	10.70	9.85
5	North Okanagan	4.74	6.27	7.00	6.68	0.0	0.0	0.0	0.0	11.74	12.95
6	Central Okanagan	7.61	8.08	6.27	5.57	0.0	0.0	0.15	0.27	14.02	13.91
7	Thompson-Nicola	5.63	5.87	7.77	7.65	0.11	0.10	0.68	0.10	14.18	13.73
8	Cariboo	2.44	2.40	3.46	4.62	0.20	0.0	1.42	0.37	7.53	7.40
9	Squamish-Lillooet	1.97	1.84	5.25	5.52	0.0	0.0	0.66	0.61	7.88	7.97
10	Fraser-Cheam	3.97	4.76	5.56	5.91	0.0	0.0	0.60	0.19	10.13	10.86
11	Central Fraser Valley	3.54	4.15	5.25	5.75	0.0	0.0	0.73	0.43	9.52	10.33
12	Dewiney-Alouette	2.20	3.83	5.60	5.83	0.0	0.0	0.20	0.0	8.01	9.65
14	Sunshine Coast	3.35	3.82	10.05	9.18	0.0	0.0	0.0	0.0	13.40	13.00
15	Powell River	4.12	5.03	8.75	9.06	0.0	0.0	1.03	0.0	13.90	14.09
16	Mount Waddington	4.97	5.43	3.32	3.10	0.0	0.0	0.0	0.0	8.29	8.53
16a	Central Coast	2.39	7.18	0.0	2.39	4.77	0.0	0.0	0.0	7.16	9.57
17	Skeena-Queen Charlotte	3.98	4.40	4.43	5.72	0.89	0.0	2.21	0.88	11.51	11.00
18	Kitimat-Stikine	4.68	4.87	3.90	3.33	0.52	0.0	1.82	0.77	10.93	8.98
19	Bulkley-Nechako	1.90	2.67	4.76	5.34	0.0	0.0	2.54	0.89	9.20	8.90
20	Fraser-Fort George	7.58	8.35	2.09	2.06	0.0	0.0	0.78	0.24	10.45	10.65
21	Peace River-Liard	0.90	0.89	5.15	6.44	0.0	0.0	1.34	0.89	7.39	8.22
22	Stikine	0.0	0.0	6.54	12.82	0.0	0.0	0.0	0.0	6.54	12.82
24	Cowichan Valley	2.64	3.90	6.16	6.57	0.22	0.21	0.44	0.0	9.46	10.67
25	Nanaimo	5.58	5.72	8.63	8.20	0.34	0.31	0.34	0.15	14.89	14.38
26	Alberni-Clayoquot	3.74	4.65	3.74	4.03	0.0	0.0	0.31	0.0	7.79	8.68
27	Comox-Strathcona	3.08	3.38	7.61	6.25	0.0	0.0	0.36	0.51	11.05	10.14
Metropolitan - Subtotal		10.07	11.66	6.44	6.81	0.32	0.29	0.64	0.35	17.47	19.10
13	Greater Vancouver	9.88	11.50	6.33	6.65	0.31	0.26	0.67	0.36	17.19	18.77
23	Capital	10.96	12.39	6.96	7.55	0.40	0.38	0.49	0.34	18.81	20.66
TOTAL		7.36	8.40	6.27	6.55	0.23	0.17	0.67	0.31	14.53	15.43

[1] Definitions are as in the attached text.
[2] Temporary registrants and physicians on locum tenens.
In 1977 only temporary registrants are included in this category.

Prepared by:

Health Manpower Research Unit
University of B.C.

Table 2.3 Estimated Annual Rate of Change[5]; MSC Active Physicians[1] in British Columbia by Type of Practice by Regional Hospital District from 1975 to 1977

Regional Hospital District	Solo Practice		Group Practice		Salaried		Other[2]		Total	
	Number[3]	Ratio[4]	Number[3]	Ratio[4]	Number[3]	Ratio[4]	Number[3]	Ratio[4]	Number[3]	Ratio[4]
Non-Metropolitan - Subtotal	10.97	6.89	5.27	1.57	-34.62	-35.65	-30.38	-31.69	4.71	1.05
1 East Kootenay	0.0	-2.82	6.58	3.39	*	*	*	*	2.94	-0.04
2 Central Kootenay	7.14	5.23	11.76	9.70	*	*	*	*	5.77	3.90
2a Kootenay Boundary	0.0	-0.20	10.94	10.70	*	*	*	*	1.92	1.72
3 Okanagan-Similkameen	11.43	7.38	7.14	3.38	*	*	*	*	7.69	3.89
4 Columbia-Shuswap	*	*	-3.33	-5.85	*	*	*	*	-1.35	-3.98
5 North Okanagan	23.81	16.15	3.23	-2.30	*	*	*	*	11.54	5.15
6 Central Okanagan	9.80	3.12	0.0	-5.59	*	*	*	*	5.85	-0.39
7 Thompson-Nicola	6.00	2.16	2.90	-0.73	*	*	*	*	1.98	-1.58
8 Cariboo	4.17	-0.75	23.53	16.86	*	*	*	*	4.05	-0.85
9 Squamish-Lillooet	*	*	*	*	*	*	*	*	4.17	0.59
10 Fraser-Cheam	12.50	9.97	5.36	3.12	*	*	*	*	5.88	3.62
11 Central Fraser Valley	17.24	8.69	12.79	4.80	*	*	*	*	12.18	4.27
12 Dewdney-Alouette	45.45	36.88	7.14	2.01	*	*	*	*	16.25	10.30
14 Sunshine Coast	*	*	0.0	-4.37	*	*	*	*	3.13	-1.51
15 Powell River	*	*	2.94	1.76	*	*	*	*	1.85	0.69
16 Mount Waddington	*	*	*	*	*	*	*	*	5.00	1.47
16a Central Coast	*	*	*	*	*	*	*	*	*	*
17 Skeena-Queen Charlotte	*	*	15.00	14.58	*	*	*	*	-1.92	-2.23
18 Kitimat-Stikine	2.78	2.03	-6.67	-7.28	*	*	*	*	-8.33	-8.93
19 Bulkley-Nechako	*	*	10.00	6.11	*	*	*	*	1.72	-1.63
20 Fraser-Fort George	9.48	5.09	3.13	-0.80	*	*	*	*	5.00	[illegible].94
21 Peace River-Liard	*	*	13.04	12.57	*	*	*	*	6.06	5.64
22 Stikine	*	*	*	*	*	*	*	*	*	*
24 Cowichan Valley	29.17	23.90	7.14	3.34	*	*	*	*	10.47	6.44
25 Nanaimo	6.06	1.25	1.96	-2.50	*	*	*	*	2.84	-1.70
26 Alberni-Clayoquot	12.50	12.17	4.17	3.88	*	*	*	*	6.00	5.70
27 Comox-Strathcona	8.82	4.91	-5.95	-8.88	*	*	*	*	-0.82	-4.09
Metropolitan - Subtotal	9.37	7.89	4.18	2.84	-4.76	-5.89	-21.69	-22.39	6.06	4.67
13 Greater Vancouver	9.43	8.19	3.60	2.49	-6.06	-6.97	-22.92	-23.48	5.74	4.59
23 Capital	9.11	6.52	6.69	4.21	*	*	-13.64	-15.23	7.43	4.92
TOTAL	9.79	7.11	4.67	2.22	-11.82	-13.53	-25.93	-27.00	5.58	3.10

[1] Definitions are as in the attached text.
[2] Temporary registrants and physicians on locum tenens.
In 1977 only temporary registrants are included in this category.
[3] Rate of change (in percent) in the number.
[4] Rate of change (in percent) in the number per 10,000 population.
[5] A two year rate of change has been adjusted to an annual figure.
* Indicates that the base for the rate of change was less than 10.

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Table 3.1

Number of Non Post-Graduate Physicians[1] in British Columbia

by M.S.C. Specialty by Regional Hospital District

as at September 1977

Regional Hospital District	General Practice	Family Practice	Anaesthesia	Dermatology	Eye, Ear, Nose and Throat[2]	General Surgery
Non-Metropolitan - Subtotal	905	88	31	8	0	97
1 East Kootenay	38	5	0	0	0	7
2 Central Kootenay	42	8	1	0	0	3
2a Kootenay Boundary	34	1	2	0	0	4
3 Okanagan-Similkameen	46	6	2	0	0	6
4 Columbia-Shuswap	28	3	1	0	0	2
5 North Okanagan	30	10	1	1	0	8
6 Central Okanagan	47	9	6	2	0	6
7 Thompson-Nicola	69	5	5	1	0	10
8 Caribco	30	1	0	0	0	6
9 Squamish-Lillcoet	13	0	0	0	0	0
10 Fraser-Cheam	49	4	0	0	0	3
11 Central Fraser Valley	62	8	1	1	0	7
12 Dewdney-Alouette	47	5	0	0	0	2
14 Sunshine Coast	15	0	0	0	0	2
15 Powell River	19	2	0	0	0	3
16 Mount Waddington	12	0	0	0	0	0
16a Central Coast	4	1	0	0	0	0
17 Skeena-Queen Charlotte	23	3	0	0	0	3
18 Kitimat-Stikine	27	3	2	0	0	3
19 Bulkley-Nechako	26	3	0	0	0	1
20 Fraser-Fort George	57	0	4	1	0	6
21 Peace River-Liard	30	1	0	0	0	3
22 Stikine	1	1	0	0	0	0
24 Cowichan Valley	36	3	1	0	0	3
25 Nanaimo	50	4	3	2	0	4
26 Alberni-Clayoquot	23	2	1	0	0	-
27 Comox-Strathcona	47	0	1	0	0	3
Metropolitan - Subtotal	1341	120	168	31	0	159
13 Greater Vancouver	1075	99	137	25	0	128
23 Capital	266	21	31	6	0	31
TOTAL	2246	208	199	39	0	256

[1] Definitions are as in the attached text.
[2] No longer recognized for certification by the Royal College of Physicians and Surgeons of Canada.

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Table 3.1
(continued)

Number of Non Post-Graduate Physicians[1] in British Columbia

by M.S.C. Specialty by Regional Hospital District

as at September 1977

Regional Hospital District	Internal Medicine	Neurology	Neuropsychiatry	Neurosurgery	Obstetrics & Gynaecology	Ophthalmology
Non-Metropolitan - Subtotal	49	4	1	2	36	36
1 East Kootenay	1	0	0	0	0	1
2 Central Kootenay	1	0	0	0	0	1
2a Kootenay Boundary	4	0	0	0	1	1
3 Okanagan-Similkameen	3	1	0	0	2	2
4 Columbia-Shuswap	0	0	0	0	0	0
5 North Okanagan	3	0	0	0	2	3
6 Central Okanagan	7	2	0	1	3	6
7 Thompson-Nicola	7	0	1	1	6	4
8 Cariboo	2	0	0	0	1	0
9 Squamish-Lillooet	0	0	0	0	0	0
10 Fraser-Cheam	1	0	0	0	1	2
11 Central Fraser Valley	3	0	0	0	1	4
12 Dewdney-Alouette	0	0	0	0	0	0
14 Sunshine Coast	1	0	0	0	0	0
15 Powell River	1	0	0	0	1	1
16 Mount Waddington	0	0	0	0	0	0
16a Central Coast	0	0	0	0	0	0
17 Skeena-Queen Charlotte	1	0	0	0	0	0
18 Kitimat-Stikine	1	0	0	0	1	0
19 Bulkley-Nechako	0	0	0	0	0	0
20 Fraser-Fort George	2	0	0	0	5	3
21 Peace River-Liard	1	0	0	0	2	0
22 Stikine	0	0	0	0	0	0
24 Cowichan Valley	2	0	0	0	1	2
25 Nanaimo	5	1	0	0	6	5
26 Alberni-Clayoquot	1	0	0	0	0	0
27 Comox-Strathcona	2	0	0	0	3	1
Metropolitan - Subtotal	253	25	3	20	97	87
13 Greater Vancouver	207	21	3	16	82	69
23 Capital	46	4	0	4	15	18
TOTAL	302	29	4	22	133	123

[1] Definitions are as in the attached text.

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Table 3.1
(continued)

Number of Non Post-Graduate Physicians[1] in British Columbia

by M.S.C. Specialty by Regional Hospital District

as at September 1977

Regional Hospital District	Orthopaedic Surgery	Otolaryngology	Paediatrics	Pathology & Bacteriology	Physical Medicine	Plastic Surgery
Non-Metropolitan - Subtotal	23	14	28	22	2	4
1 East Kootenay	0	0	1	0	0	0
2 Central Kootenay	0	0	2	1	0	0
2a Kootenay Boundary	1	0	2	2	0	1
3 Okanagan-Similkameen	2	1	2	1	0	0
4 Columbia-Shuswap	0	0	0	0	0	0
5 North Okanagan	1	1	2	0	0	0
6 Central Okanagan	3	2	2	3	1	1
7 Thompson-Nicola	3	3	6	5	1	1
8 Cariboo	0	0	1	0	0	0
9 Squamish-Lillooet	0	0	0	0	0	0
10 Fraser-Cheam	1	1	1	1	0	0
11 Central Fraser Valley	1	3	1	0	0	0
12 Dewdney-Alouette	1	0	0	1	0	0
14 Sunshine Coast	0	0	1	0	0	0
15 Powell River	0	0	1	0	0	0
16 Mount Waddington	0	0	0	0	0	0
16a Central Coast	0	0	0	0	0	0
17 Skeena-Queen Charlotte	0	0	0	0	0	0
18 Kitimat-Stikine	1	0	1	1	0	0
19 Bulkley-Nechako	0	0	0	1	0	0
20 Fraser-Fort George	2	1	2	3	0	0
21 Peace River-Liard	1	0	0	0	0	0
22 Stikine	0	0	0	0	0	0
24 Cowichan Valley	2	0	0	0	0	0
25 Nanaimo	3	2	2	2	0	1
26 Alberni-Clayoquot	0	0	0	0	0	0
27 Comox-Strathcona	1	0	1	1	0	0
Metropolitan - Subtotal	72	41	116	64	11	21
13 Greater Vancouver	60	32	103	53	9	17
23 Capital	12	9	13	11	2	4
TOTAL	95	55	144	86	13	25

[1] Definitions are as in the attached text.

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Table 3.1
(continued)

Number of Non Post-Graduate Physicians[1] in British Columbia

by M.S.C. Specialty by Regional Hospital District

as at September 1977

Regional Hospital District	Psychiatry	Public Health	Radiology	Thoracic Surgery	Urology	Total
Non-Metropolitan - Subtotal	33	11	51	0	14	1459
1 East Kootenay	1	0	2	0	0	56
2 Central Kootenay	1	1	1	0	0	62
2a Kootenay Boundary	1	1	2	0	0	57
3 Okanagan-Similkameen	2	1	3	0	1	81
4 Columbia-Shuswap	0	0	2	0	0	36
5 North Okanagan	1	1	3	0	1	68
6 Central Okanagan	4	1	4	0	2	112
7 Thompson-Nicola	1	2	6	0	3	140
8 Cariboo	0	0	2	0	1	44
9 Squamish-Lillooet	0	0	0	0	0	13
10 Fraser-Cheam	0	0	2	0	1	67
11 Central Fraser Valley	8	0	5	0	1	106
12 Dewdney-Alouette	1	1	0	0	0	58
14 Sunshine Coast	0	0	1	0	1	21
15 Powell River	2	0	1	0	0	31
16 Mount Waddington	0	0	0	0	0	12
16a Central Coast	0	0	0	0	0	5
17 Skeena-Queen Charlotte	0	0	1	0	0	31
18 Kitimat-Stikine	0	0	1	0	0	41
19 Bulkley-Nechako	0	0	0	0	0	31
20 Fraser-Fort George	1	1	5	0	2	95
21 Peace River-Liard	0	0	1	0	0	39
22 Stikine	0	0	0	0	0	2
24 Cowichan Valley	3	0	1	0	0	54
25 Nanaimo	3	1	4	0	1	99
26 Alberni-Clayoquot	1	0	1	0	0	31
27 Comox-Strathcona	3	1	3	0	0	67
Metropolitan - Subtotal	179	18	129	14	42	3011
13 Greater Vancouver	152	12	102	10	34	2446
23 Capital	27	6	27	4	8	565
TOTAL	212	29	180	14	56	4470

[1] Definitions are as in the attached text.

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Table 3.2

Number of Non Post-Graduate Physicians[1] in British Columbia

per 10,000 Population by M.S.C. Specialty by Regional Hospital District

as at September 1977

Regional Hospital District	General Practice	Family Practice	Anaesthesia	Dermatology	Eye, Ear, Nose and Throat[2]	General Surgery
Non-Metropolitan - Subtotal	7.60	0.74	0.26	0.07	0.0	0.81
1 East Kootenay	7.95	1.05	0.0	0.0	0.0	1.46
2 Central Kootenay	8.43	1.61	0.20	0.0	0.0	0.60
2a Kootenay Boundary	10.70	0.31	0.63	0.0	0.0	1.26
3 Okanagan-Similkameen	8.63	1.13	0.38	0.0	0.0	1.13
4 Columbia-Shuswap	7.66	0.82	0.27	0.0	0.0	0.55
5 North Okanagan	6.07	2.02	0.20	0.20	0.0	1.62
6 Central Okanagan	6.23	1.19	0.80	0.27	0.0	0.80
7 Thompson-Nicola	7.23	0.52	0.52	0.10	0.0	1.05
8 Cariboo	5.55	0.18	0.0	0.0	0.0	1.11
9 Squamish-Lillooet	7.97	0.0	0.0	0.0	0.0	0.0
10 Fraser-Cheam	9.33	0.76	0.0	0.0	0.0	0.57
11 Central Fraser Valley	6.60	0.85	0.11	0.11	0.0	0.75
12 Dewdney-Alouette	8.56	0.91	0.0	0.0	0.0	0.36
14 Sunshine Coast	11.47	0.0	0.0	0.0	0.0	1.53
15 Powell River	9.56	1.01	0.0	0.0	0.0	1.51
16 Mount Waddington	9.31	0.0	0.0	0.0	0.0	0.0
16a Central Coast	9.57	2.39	0.0	0.0	0.0	0.0
17 Skeena-Queen Charlotte	10.12	1.32	0.0	0.0	0.0	1.32
18 Kitimat-Stikine	6.92	0.77	0.51	0.0	0.0	0.77
19 Bulkley-Nechako	7.71	0.89	0.0	0.0	0.0	0.30
20 Fraser-Fort George	6.90	0.0	0.48	0.12	0.0	0.73
21 Peace River-Liard	6.67	0.22	0.0	0.0	0.0	0.67
22 Stikine	6.41	6.41	0.0	0.0	0.0	0.0
24 Cowichan Valley	7.39	0.62	0.21	0.0	0.0	0.62
25 Nanaimo	7.73	0.62	0.46	0.31	0.0	0.62
26 Alberni-Clayoquot	7.13	0.62	0.31	0.0	0.0	0.62
27 Comox-Strathcona	7.95	0.0	0.17	0.0	0.0	0.51
Metropolitan - Subtotal	10.06	0.90	1.26	0.23	0.0	1.19
13 Greater Vancouver	9.80	0.90	1.25	0.23	0.0	1.17
23 Capital	11.28	0.89	1.31	0.25	0.0	1.31
TOTAL	8.90	0.82	0.79	0.15	0.0	1.01

[1] Definitions are as in the attached text.
[2] No longer recognized for certification by the Royal College of Physicians and Surgeons of Canada.

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Table 3.2
(continued)

Number of Non Post-Graduate Physicians[1] in British Columbia

per 10,000 Population by M.S.C. Specialty by Regional Hospital District

as at September 1977

Regional Hospital District	Internal Medicine	Neurology	Neuropsychiatry	Neurosurgery	Obstetrics & Gynaecology	Ophthalmology
Non-Metropolitan - Subtotal	0.41	0.03	0.01	0.02	0.30	0.30
1 East Kootenay	0.21	0.0	0.0	0.0	0.0	0.21
2 Central Kootenay	0.20	0.0	0.0	0.0	0.0	0.20
2a Kootenay Boundary	1.26	0.0	0.0	0.0	0.31	0.31
3 Okanagan-Similkameen	0.56	0.19	0.0	0.0	0.38	0.38
4 Columbia-Shuswap	0.0	0.0	0.0	0.0	0.0	0.0
5 North Okanagan	0.61	0.0	0.0	0.0	0.40	0.61
6 Central Okanagan	0.93	0.27	0.0	0.13	0.40	0.80
7 Thompson-Nicola	0.73	0.0	0.10	0.10	0.63	0.42
8 Cariboo	0.37	0.0	0.0	0.0	0.18	0.0
9 Squamish-Lillooet	0.0	0.0	0.0	0.0	0.0	0.0
10 Fraser-Cheam	0.19	0.0	0.0	0.0	0.19	0.38
11 Central Fraser Valley	0.32	0.0	0.0	0.0	0.11	0.43
12 Dewdney-Alouette	0.0	0.0	0.0	0.0	0.0	0.0
14 Sunshine Coast	0.76	0.0	0.0	0.0	0.0	0.0
15 Powell River	0.50	0.0	0.0	0.0	0.50	0.50
16 Mount Waddington	0.0	0.0	0.0	0.0	0.0	0.0
16a Central Coast	0.0	0.0	0.0	0.0	0.0	0.0
17 Skeena-Queen Charlotte	0.44	0.0	0.0	0.0	0.0	0.0
18 Kitimat-Stikine	0.26	0.0	0.0	0.0	0.26	0.0
19 Bulkley-Nechako	0.0	0.0	0.0	0.0	0.0	0.0
20 Fraser-Fort George	0.24	0.0	0.0	0.0	0.60	0.3€
21 Peace River-Liard	0.22	0.0	0.0	0.0	0.44	0.0
22 Stikine	0.0	0.0	0.0	0.0	0.0	0.0
24 Cowichan Valley	0.41	0.0	0.0	0.0	0.21	0.41
25 Nanaimo	0.77	0.15	0.0	0.0	0.93	0.77
26 Alberni-Clayoquot	0.31	0.0	0.0	0.0	0.0	0.0
27 Comox-Strathcona	0.34	0.0	0.0	0.0	0.51	0.17
Metropolitan - Subtotal	1.90	0.19	0.02	0.15	0.73	0.65
13 Greater Vancouver	1.89	0.19	0.03	0.15	0.75	0.63
23 Capital	1.95	0.17	0.0	0.17	0.64	0.76
TOTAL	1.20	0.11	0.02	0.09	0.53	0.49

[1] Definitions are as in the attached text.

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Table 3.2
(continued)

Number of Non Post-Graduate Physicians[1] in British Columbia

per 10,000 Population by M.S.C. Specialty by Regional Hospital District

as at September 1977

Regional Hospital District	Orthopaedic Surgery	Otolaryngology	Paediatrics	Pathology & Bacteriology	Physical Medicine	Plastic Surgery
Non-Metropolitan - Subtotal	0.19	0.12	0.24	0.18	0.02	0.03
1 East Kootenay	0.0	0.0	0.21	0.0	0.0	0.0
2 Central Kootenay	0.0	0.0	0.40	0.20	0.0	0.0
2a Kootenay Boundary	0.31	0.0	0.63	0.63	0.0	0.31
3 Okanagan-Similkameen	0.38	0.19	0.38	0.19	0.0	0.0
4 Columbia-Shuswap	0.0	0.0	0.0	0.0	0.0	0.0
5 North Okanagan	0.20	0.20	0.40	0.0	0.0	0.0
6 Central Okanagan	0.40	0.27	0.27	0.40	0.13	0.13
7 Thompson-Nicola	0.31	0.31	0.63	0.52	0.10	0.10
8 Cariboo	0.0	0.0	0.18	0.0	0.0	0.0
9 Squamish-Lillooet	0.0	0.0	0.0	0.0	0.0	0.0
10 Fraser-Cheam	0.19	0.19	0.19	0.19	0.0	0.0
11 Central Fraser Valley	0.11	0.32	0.11	0.0	0.0	0.0
12 Dewdney-Alouette	0.18	0.0	0.0	0.18	0.0	0.0
14 Sunshine Coast	0.0	0.0	0.76	0.0	0.0	0.0
15 Powell River	0.0	0.0	0.50	0.0	0.0	0.0
16 Mount Waddington	0.0	0.0	0.0	0.0	0.0	0.0
16a Central Coast	0.0	0.0	0.0	0.0	0.0	0.0
17 Skeena-Queen Charlotte	0.0	0.0	0.0	0.0	0.0	0.0
18 Kitimat-Stikine	0.26	0.0	0.26	0.26	0.0	0.0
19 Bulkley-Nechako	0.0	0.0	0.0	0.30	0.0	0.0
20 Fraser-Fort George	0.24	0.12	0.24	0.36	0.0	0.0
21 Peace River-Liard	0.22	0.0	0.0	0.0	0.0	0.0
22 Stikine	0.0	0.0	0.0	0.0	0.0	0.0
24 Cowichan Valley	0.41	0.0	0.0	0.0	0.0	0.0
25 Nanaimo	0.46	0.31	0.31	0.31	0.0	0.15
26 Alberni-Clayoquot	0.0	0.0	0.0	0.0	0.0	0.0
27 Comox-Strathcona	0.17	0.0	0.17	0.17	0.0	0.0
Metropolitan - Subtotal	0.54	0.31	0.87	0.48	0.08	0.16
13 Greater Vancouver	0.55	0.29	0.94	0.48	0.08	0.16
23 Capital	0.51	0.38	0.55	0.47	0.08	0.17
TOTAL	0.38	0.22	0.57	0.34	0.05	0.10

[1] Definitions are as in the attached text.

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Table 3.2
(continued)

Number of Non Post-Graduate Physicians[1] in British Columbia

per 10,000 Population by M.S.C. Specialty by Regional Hospital District

as at September 1977

Regional Hospital District	Psychiatry	Public Health	Radiology	Thoracic Surgery	Urology	Total
Non-Metropolitan - Subtotal	0.28	0.09	0.43	0.0	0.12	12.25
1 East Kootenay	0.21	0.0	0.42	0.0	0.0	11.72
2 Central Kootenay	0.20	0.20	0.20	0.0	0.0	12.45
2a Kootenay Boundary	0.31	0.31	0.63	0.0	0.0	17.94
3 Okanagan-Similkameen	0.38	0.19	0.56	0.0	0.19	15.20
4 Columbia-Shuswap	0.0	0.0	0.55	0.0	0.0	9.85
5 North Okanagan	0.20	0.20	0.61	0.0	0.20	13.76
6 Central Okanagan	0.53	0.13	0.53	0.0	0.27	14.84
7 Thompson-Nicola	0.10	0.21	0.63	0.0	0.31	14.67
8 Cariboo	0.0	0.0	0.37	0.0	0.18	8.14
9 Squamish-Lillooet	0.0	0.0	0.0	0.0	0.0	7.97
10 Fraser-Cheam	0.0	0.0	0.38	0.0	0.19	12.76
11 Central Fraser Valley	0.85	0.0	0.53	0.0	0.11	11.29
12 Dewdney-Alouette	0.18	0.18	0.0	0.0	0.0	10.57
14 Sunshine Coast	0.0	0.0	0.76	0.0	0.76	16.06
15 Powell River	1.01	0.0	0.50	0.0	0.0	15.60
16 Mount Waddington	0.0	0.0	0.0	0.0	0.0	9.31
16a Central Coast	0.0	0.0	0.0	0.0	0.0	11.97
17 Skeena-Queen Charlotte	0.0	0.0	0.44	0.0	0.0	13.64
18 Kitimat-Stikine	0.0	0.0	0.26	0.0	0.0	10.51
19 Bulkley-Nechako	0.0	0.0	0.0	0.0	0.0	9.20
20 Fraser-Fort George	0.12	0.12	0.60	0.0	0.24	11.49
21 Peace River-Liard	0.0	0.0	0.22	0.0	0.0	8.66
22 Stikine	0.0	0.0	0.0	0.0	0.0	12.82
24 Cowichan Valley	0.62	0.0	0.21	0.0	0.0	11.08
25 Nanaimo	0.46	0.15	0.62	0.0	0.15	15.31
26 Alberni-Clayoquot	0.31	0.0	0.31	0.0	0.0	9.61
27 Comox-Strathcona	0.51	0.17	0.51	0.0	0.0	11.33
Metropolitan - Subtotal	1.34	0.14	0.97	0.11	0.32	22.60
13 Greater Vancouver	1.39	0.11	0.93	0.09	0.31	22.30
23 Capital	1.15	0.25	1.15	0.17	0.34	23.97
TOTAL	0.84	0.11	0.71	0.06	0.22	17.72

[1] Definitions are as in the attached text.

Prepared By:
Health Manpower Research Unit
University of B.C.

Table 3.3

Estimated Annual Rate of Change[2]; Non Post-Graduate Physicians[1]

in British Columbia by MSC Specialty by Regional Hospital District

from 1975 to 1977

Regional Hospital District	General Practice	Family Practice	Anaesthesia	Dermatology	Eye, Ear, Nose and Throat	General Surgery
Non-Metropolitan - Subtotal	2.31	25.86	7.41	*	*	1.60
1 East Kootenay	0.0	*	*	*	*	*
2 Central Kootenay	-1.16	*	*	*	*	*
2a Kootenay Boundary	3.13	*	*	*	*	*
3 Okanagan-Similkameen	7.50	*	*	*	*	*
4 Columbia-Shuswap	-4.84	*	*	*	*	*
5 North Okanagan	1.72	*	*	*	*	*
6 Central Okanagan	-1.04	*	*	*	*	*
7 Thompson-Nicola	-2.08	*	*	*	*	*
8 Cariboo	5.56	*	*	*	*	*
9 Squamish-Lillooet	0.0	*	*	*	*	*
10 Fraser-Cheam	8.33	*	*	*	*	*
11 Central Fraser Valley	9.62	*	*	*	*	*
12 Dewdney-Alouette	13.51	*	*	*	*	*
14 Sunshine Coast	18.18	*	*	*	*	*
15 Powell River	-2.50	*	*	*	*	*
16 Mount Waddington	10.00	*	*	*	*	*
16a Central Coast	*	*	*	*	*	*
17 Skeena-Queen Charlotte	-2.08	*	*	*	*	*
18 Kitimat-Stikine	-7.81	*	*	*	*	*
19 Bulkley-Nechako	-1.85	*	*	*	*	*
20 Fraser-Fort George	-0.86	*	*	*	*	*
21 Peace River-Liard	7.69	*	*	*	*	*
22 Stikine	*	*	*	*	*	
24 Cowichan Valley	6.25	*	*	*	*	*
25 Nanaimo	6.82	*	*	*	*	*
26 Alberni-Clayoquot	7.50	*	*	*	*	*
27 Comox-Strathcona	-3.92	*	*	*	*	*
Metropolitan - Subtotal	3.34	31.08	5.63	-1.56	*	0.0
13 Greater Vancouver	2.49	29.84	5.24	-1.92	*	0.79
23 Capital	7.08	37.50	7.41	*	*	-3.03
TOTAL	2.92	28.79	5.90	0.0	*	0.59

[1] Definitions are as in the attached text.
[2] Rate of change (in percent) in the number.
A two year rate of change has been adjusted to an annual figure.
* Indicates that the base for the rate of change was less than 10.

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University of B.C.

Table 3.3
(continued)

Estimated Annual Rate of Change[2]; Non Post-Graduate Physicians[1]
in British Columbia by MSC Specialty by Regional Hospital District
from 1975 to 1977

Regional Hospital District	Internal Medicine	Neurology	Neuropsychiatry	Neurosurgery	Obstetrics & Gynaecology	Ophthalmology
Non-Metropolitan - Subtotal	12.82	*	*	*	8.06	6.25
1 East Kootenay	*	*	*	*	*	*
2 Central Kootenay	*	*	*	*	*	*
2a Kootenay Boundary	*	*	*	*	*	*
3 Okanagan-Similkameen	*	*	*	*	*	*
4 Columbia-Shuswap	*	*	*	*	*	*
5 North Okanagan	*	*	*	*	*	*
6 Central Okanagan	*	*	*	*	*	*
7 Thompson-Nicola	*	*	*	*	*	*
8 Cariboo	*	*	*	*	*	*
9 Squamish-Lillooet	*	*	*	*	*	*
10 Fraser-Cheam	*	*	*	*	*	*
11 Central Fraser Valley	*	*	*	*	*	*
12 Dewdney-Alouette	*	*	*	*	*	*
14 Sunshine Coast	*	*	*	*	*	*
15 Powell River	*	*	*	*	*	*
16 Mount Waddington	*	*	*	*	*	*
16a Central Coast	*	*	*	*	*	*
17 Skeena-Queen Charlotte	*	*	*	*	*	*
18 Kitimat-Stikine	*	*	*	*	*	*
19 Bulkley-Nechako	*	*	*	*	*	*
20 Fraser-Fort George	*	*	*	*	*	*
21 Peace River-Liard	*	*	*	*	*	*
22 Stikine	*	*	*	*	*	*
24 Cowichan Valley	*	*	*	*	*	*
25 Nanaimo	*	*	*	*	*	*
26 Alberni-Clayoquot	*	*	*	*	*	*
27 Comox-Strathcona	*	*	*	*	*	*
Metropolitan - Subtotal	7.24	6.82	*	0.0	1.60	1.18
13 Greater Vancouver	5.95	5.26	*	3.33	3.95	0.74
23 Capital	13.89	*	*	*	-8.33	2.94
TOTAL	8.08	8.00	*	0.0	3.20	2.56

[1] Definitions are as in the attached text.
[2] Rate of change (in percent) in the number.
A two year rate of change has been adjusted to an annual figure.
* Indicates that the base for the rate of change was less than 10.

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Table 3.3
(continued)

Estimated Annual Rate of Change[2]; Non Post-Graduate Physicians[1]

in British Columbia by MSC Specialty by Regional Hospital District

from 1975 to 1977

Regional Hospital District	Orthopaedic Surgery	Otolaryngology	Paediatrics	Pathology & Bacteriology	Physical Medicine	Plastic Surgery
Non-Metropolitan - Subtotal	13.89	13.64	8.33	5.00	*	*
1 East Kootenay	*	*	*	*	*	*
2 Central Kootenay	*	*	*	*	*	*
2a Kootenay Boundary	*	*	*	*	*	*
3 Okanagan-Similkameen	*	*	*	*	*	*
4 Columbia-Shuswap	*	*	*	*	*	*
5 North Okanagan	*	*	*	*	*	*
6 Central Okanagan	*	*	*	*	*	*
7 Thompson-Nicola	*	*	*	*	*	*
8 Cariboo	*	*	*	*	*	*
9 Squamish-Lillooet	*	*	*	*	*	*
10 Fraser-Cheam	*	*	*	*	*	*
11 Central Fraser Valley	*	*	*	*	*	*
12 Dewdney-Alouette	*	*	*	*	*	*
14 Sunshine Coast	*	*	*	*	*	*
15 Powell River	*	*	*	*	*	*
16 Mount Waddington	*	*	*	*	*	*
16a Central Coast	*	*	*	*	*	*
17 Skeena-Queen Charlotte	*	*	*	*	*	*
18 Kitimat-Stikine	*	*	*	*	*	*
19 Bulkley-Nechako	*	*	*	*	*	*
20 Fraser-Fort George	*	*	*	*	*	*
21 Peace River-Liard	*	*	*	*	*	*
22 Stikine	*	*	*	*	*	*
24 Cowichan Valley	*	*	*	*	*	*
25 Nanaimo	*	*	*	*	*	*
26 Alberni-Clayoquot	*	*	*	*	*	*
27 Comox-Strathcona	*	*	*	*	*	*
Metropolitan - Subtotal	6.25	-2.33	7.43	6.14	0.0	2.50
13 Greater Vancouver	7.69	-1.52	7.87	6.38	*	3.13
23 Capital	0.0	-5.00	4.17	5.00	*	*
TOTAL	7.93	0.93	7.60	5.84	0.0	2.08

[1] Definitions are as in the attached text.
[2] Rate of change (in percent) in the number.
A two year rate of change has been adjusted to an annual figure.
* Indicates that the base for the rate of change was less than 10.

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Table 3.3
(continued)

Estimated Annual Rate of Change[2]; Non Post-Graduate Physicians[1]

in British Columbia by MSC Speciality by Regional Hospital District

from 1975 to 1977

Regional Hospital District	Psychiatry	Public Health	Radiology	Thoracic Surgery	Urology	Total
Non-Metropolitan - Subtotal	3.23	5.00	3.13	*	8.33	4.48
1 East Kootenay	*	*	*	*	*	2.83
2 Central Kootenay	*	*	*	*	*	4.39
2a Kootenay Boundary	*	*	*	*	*	0.89
3 Okanagan-Similkameen	*	*	*	*	*	7.04
4 Columbia-Shuswap	*	*	*	*	*	-3.85
5 North Okanagan	*	*	*	*	*	7.63
6 Central Okanagan	*	*	*	*	*	2.83
7 Thompson-Nicola	*	*	*	*	*	1.09
8 Cariboo	*	*	*	*	*	7.89
9 Squamish-Lillooet	*	*	*	*	*	0.0
10 Fraser-Cheam	*	*	*	*	*	7.76
11 Central Fraser Valley	*	*	*	*	*	12.35
12 Dewdney-Alouette	*	*	*	*	*	15.91
14 Sunshine Coast	*	*	*	*	*	15.63
15 Powell River	*	*	*	*	*	1.67
16 Mount Waddington	*	*	*	*	*	10.00
16a Central Coast	*	*	*	*	*	*
17 Skeena-Queen Charlotte	*	*	*	*	*	-3.03
18 Kitimat-Stikine	*	*	*	*	*	-4.44
19 Bulkley-Nechako	*	*	*	*	*	0.0
20 Fraser-Fort George	*	*	*	*	*	3.98
21 Peace River-Liard	*	*	*	*	*	7.35
22 Stikine	*	*	*	*	*	*
24 Cowichan Valley	*	*	*	*	*	11.36
25 Nanaimo	*	*	*	*	*	3.23
26 Alberni-Clayoquot	*	*	*	*	*	5.36
27 Comox-Strathcona	*	*	*	*	*	1.54
Metropolitan - Subtotal	2.65	-9.09	6.09	3.85	1.22	4.21
13 Greater Vancouver	2.05	-7.14	3.68	0.0	3.13	3.83
23 Capital	6.25	*	17.50	*	*	5.94
TOTAL	2.74	-4.69	5.21	3.85	2.83	4.30

[1] Definitions are as in the attached text.
[2] Rate of change (in percent) in the number.
A two year rate of change has been adjusted to an annual figure.
* Indicates that the base for the rate of change was less than 10.

Prepared by:

Health Manpower Research Unit
University of B.C.

Table 4

Number of General Practitioners and Full-Time Equivalents[1]

in British Columbia by Regional Hospital District

for the year ended March 1977

Regional Hospital District		General Practitioners[2]	General Practitioner Equivalents	Number per 10,000 Population: General Practitioners	Number per 10,000 Population: General Practitioner Equivalents
Non-Metropolitan - Subtotal		615	629.8	5.17	5.29
1	East Kootenay	30	33.7	6.28	7.05
2	Central Kootenay	31	30.6	6.23	6.15
2a	Kootenay Boundary	20	20.0	6.30	6.30
3	Okanagan-Similkameen	30	26.3	5.63	4.94
4	Columbia-Shuswap	18	16.8	4.92	4.60
5	North Okanagan	24	24.5	4.86	4.96
6	Central Okanagan	36	35.0	4.77	4.64
7	Thompson-Nicola	51	49.6	5.35	5.20
8	Cariboo	18	17.8	3.33	3.29
9	Squamish-Lillooet	9	8.8	5.52	5.40
10	Fraser-Cheam	31	32.4	5.91	6.17
11	Central Fraser Valley	39	45.1	4.15	4.80
12	Dewdney-Alouette	26	30.0	4.74	5.46
14	Sunshine Coast	8	6.1	6.12	4.66
15	Powell River	12	9.1	6.04	4.58
16	Mount Waddington	4	3.8	3.10	2.95
16a	Central Coast	1	0.9	2.39	2.15
17	Skeena-Queen Charlotte	10	10.4	4.40	4.57
18	Kitimat-Stikine	21	19.9	5.39	5.10
19	Bulkley-Nechako	16	16.6	4.75	4.92
20	Fraser-Fort George	41	51.8	4.96	6.27
21	Peace River-Liard	26	25.9	5.78	5.75
22	Stikine	1	1.0	6.41	6.41
24	Cowichan Valley	28	30.3	5.75	6.22
25	Nanaimo	36	35.8	5.57	5.54
26	Alberni-Clayoquot	17	19.3	5.27	5.98
27	Comox-Strathcona	31	28.3	5.24	4.78
Metropolitan - Subtotal		742	727.0	5.57	5.46
13	Greater Vancouver	610	612.0	5.56	5.58
23	Capital	132	115.0	5.60	4.88
TOTAL		1357	1357.0	5.38	5.38

[1] Definitions are as in the attached text.
[2] General Practitioners with billings of at least $20,000.

Prepared by:

Health Manpower Research Unit
University of B.C.

Table 4a

Number of Physicians and Full-Time Equivalents[1] in British Columbia by Regional Hospital District for the year ended March 1977

Regional Hospital District	Physicians[2]	Physician Equivalents	Number per 10,000 Population	
			Physicians	Physician Equivalents
Non-Metropolitan - Subtotal	930	941.7	7.81	7.91
1 East Kootenay	41	44.6	8.58	9.33
2 Central Kootenay	38	37.2	7.63	7.47
2a Kootenay Boundary	38	37.6	11.96	11.84
3 Okanagan-Similkameen	55	48.8	10.32	9.16
4 Columbia-Shuswap	21	18.9	5.74	5.17
5 North Okanagan	41	38.4	8.30	7.77
6 Central Okanagan	72	68.8	9.54	9.12
7 Thompson-Nicola	99	98.0	10.38	10.27
8 Cariboo	26	28.1	4.81	5.20
9 Squamish-Lillooet	10	9.3	6.13	5.70
10 Fraser-Cheam	45	45.8	8.57	8.73
11 Central Fraser Valley	51	59.4	5.43	6.33
12 Dewdney-Alouette	29	33.2	5.28	6.05
14 Sunshine Coast	10	7.7	7.65	5.89
15 Powell River	19	14.9	9.56	7.50
16 Mount Waddington	4	3.8	3.10	2.95
16a Central Coast	1	0.9	2.39	2.15
17 Skeena-Queen Charlotte	15	15.5	6.60	6.82
18 Kitimat-Stikine	30	30.3	7.69	7.77
19 Bulkley-Nechako	18	18.3	5.34	5.43
20 Fraser-Fort George	64	78.8	7.74	9.53
21 Peace River-Liard	36	33.8	8.00	7.51
22 Stikine	1	1.0	6.41	6.41
24 Cowichan Valley	33	34.5	6.77	7.08
25 Nanaimo	70	71.8	10.83	11.11
26 Alberni-Clayoquot	23	25.5	7.13	7.90
27 Comox-Strathcona	40	36.8	6.76	6.22
Metropolitan - Subtotal	1703	1691.3	12.78	12.69
13 Greater Vancouver	1402	1404.0	12.78	12.80
23 Capital	301	287.3	12.77	12.19
TOTAL	2633	2633.0	10.44	10.44

[1] Definitions are as in the attached text.
[2] Physicians with billings of at least $20,000.

Prepared by:

Health Manpower Research Unit
University of B.C.

Table 5

Analysis of Changes in the Number of Directory Active Physicians in British Columbia by Place of Graduation by Regional Hospital District from 1975 to 1977

Regional Hospital District		1975[1]	New Registrants[2]					Attr'n[3]	Migr'n[4]	1977[5]
			U.B.C.	O.Can.[6]	U.K.	Other	Total			
Non-Metropolitan - Subtotal		1340	32	108	44	24	208	142	56	1462
1	East Kootenay	53	1	2	2	2	7	4	0	56
2	Central Kootenay	57	2	7	2	1	12	11	4	62
2a	Kootenay Boundary	56	2	1	5	2	10	9	0	57
3	Okanagan-Similkameen	71	0	9	2	0	11	5	4	81
4	Columbia-Shuswap	39	0	0	0	0	0	3	0	36
5	North Okanagan	59	0	5	1	0	6	2	5	68
6	Central Okanagan	106	3	7	1	1	12	9	3	112
7	Thompson-Nicola	137	0	16	3	2	21	10	-8	140
8	Cariboo	38	3	1	3	1	8	4	2	44
9	Squamish-Lillooet	13	0	0	1	0	1	1	0	13
10	Fraser-Cheam	58	3	5	0	3	11	5	4	68
11	Central Fraser Valley	85	2	8	1	1	12	4	13	106
12	Dewdney-Alouette	44	2	2	1	1	6	2	10	58
14	Sunshine Coast	17	2	1	0	0	3	3	4	21
15	Powell River	30	0	1	1	1	3	2	0	31
16	Mount Waddington	10	1	0	2	1	4	1	-1	12
16a	Central Coast	5	1	2	0	0	3	3	0	5
17	Skeena-Queen Charlotte	33	1	6	2	1	10	9	-2	32
18	Kitimat-Stikine	45	2	1	2	0	5	12	3	41
19	Bulkley-Nechako	31	0	7	0	0	7	5	-2	31
20	Fraser-Fort George	88	2	6	2	3	13	11	5	95
21	Peace River-Liard	34	0	3	5	0	8	5	2	39
22	Stikine	1	0	2	0	0	2	0	-1	2
24	Cowichan Valley	44	2	5	1	1	9	4	5	51
25	Nanaimo	93	2	5	3	0	10	6	3	100
26	Alberni-Clayoquot	28	1	1	2	0	4	5	4	31
27	Comox-Strathcona	65	0	5	2	3	10	7	-1	67
Metropolitan - Subtotal		3179	120	261	72	135	588	300	-56	3411
13	Greater Vancouver	2648	103	196	54	129	482	251	-57	2822
23	Capital	531	17	65	18	6	106	49	1	589
TOTAL		4519	152	369	116	159	796	442	0	4873

[1] Number of Directory Active Physicians; September 1975.
[2] Physicians who were Directory Active in B.C. in 1977 but not in 1975.
[3] Physicians who were Directory Active in B.C. in 1975 but not in 1977.
[4] Net effect of intra-provincial migration.
[5] Number of Directory Active Physicians; September 1977.
[6] Other Canada.

Prepared by:

Health Manpower Research Unit
University of B.C.

22. PHYSIOTHERAPISTS

Definition: "Plans and carries out programs of physical treatment, as directed by physician, to rehabilitate injured or disabled persons: Applies diagnostic muscle, nerve, joint and functional ability tests, and assesses patients' symptoms and capabilities. Directs and aids patients individually or in groups, in activities designed to assist in muscle restoration and joint mobility, using equipment, such as ramps, steps and tractions. Gives whirlpool and contrast baths and applies moist packs. Gives electrotherapeutic treatments, using equipment; such as, diathermy, ultrasonic and microwave machines, infra-red and ultraviolet lamps and low-voltage generators. Instructs patients in procedures to be continued at home. Keeps records of treatments given, patients' response and progress." [1]

Date of Record: Location of home address as at June 1975 and June 1977.

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

Preparation and Updating:

All Physiotherapists licensed to practice in B.C. under the Physiotherapists and Massage Practitioners Act and with a B.C. address at the date of record are included in the tables.

In cooperation with the Association and Statistics Canada, the Health Manpower Research Unit distributes an annual computer-produced biography, to update personal data and employment information. The final response rate for 1977 was 79.1%.

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[1] Canadian Classification and Dictionary of Occupations 1971. vol. 1, p. 128, No. 3137-122.

Definitions:

1. Employment Status

Physiotherapists in Table 1b.1 were classified according to their response to a question on their principal employment status. These categories are:

physiotherapy

occupational therapy

combined PT and OT

other fields than PT and OT

not employed

2. Estimated Number

Tables 1c.1 and 1c.2 distribute the non-respondents to the questionnaire among the employment status categories.
This is accomplished by assigning the non-respondents to employment categories based on the proportions found for the respondents in that regional hospital district.

3. Type of Employing Institution

Physiotherapists were asked to indicate their principal type of employing institution. Categories used in Table 2 are:

General Hospital
Rehab. Hospital (convalescent and rehabilitation)
Chronic Extended Care Hospital
Other Hospital (including Children's and Psychiatric Hospitals)
Workers' Compensation Board
Crippled Children's Centre
Private Practice
Home Care
University
C.A.R.S. Centre
Other fields

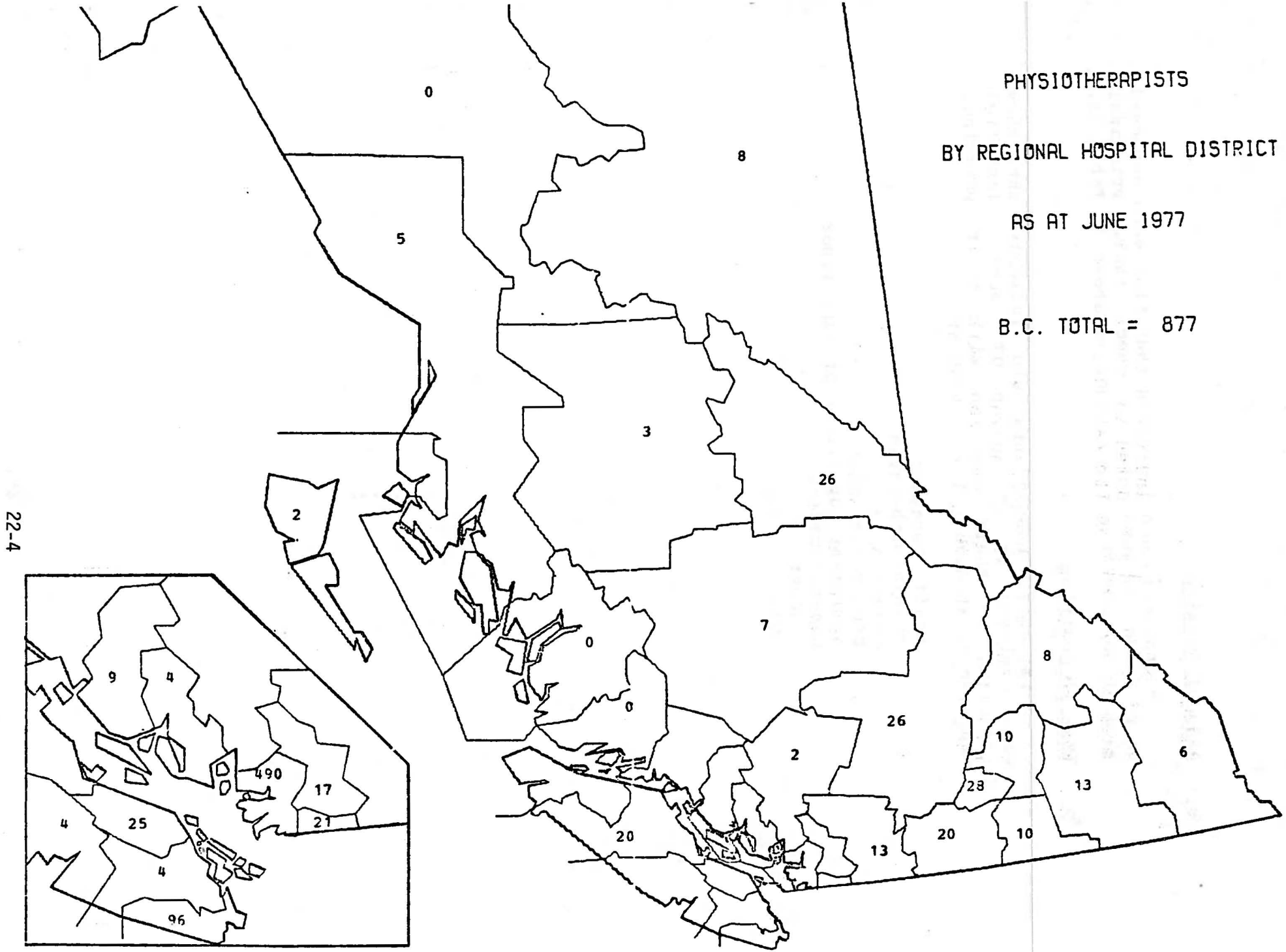
4. Area of Service

Respondents who indicated that they were employed in PT and/or OT were asked to check their principal Area of Service from the categories shown in Table 3a.

5. Type of Position

Similarly, respondents who indicated that they were employed in PT and/or OT were classified according to their position with their principal employer as at August 1977. These are:

staff therapist
combined therapist
sole charge
senior therapist
assistant supervisor or supervisor
owner / partner
teacher
other


PHYSIOTHERAPISTS
BY REGIONAL HOSPITAL DISTRICT
AS AT JUNE 1977
B.C. TOTAL = 877
0
8
5
3
26
2
7
0
0
8
26
10
2
6
28
13
20
20
10
13
9
4
490
17
21
4
25
4
96

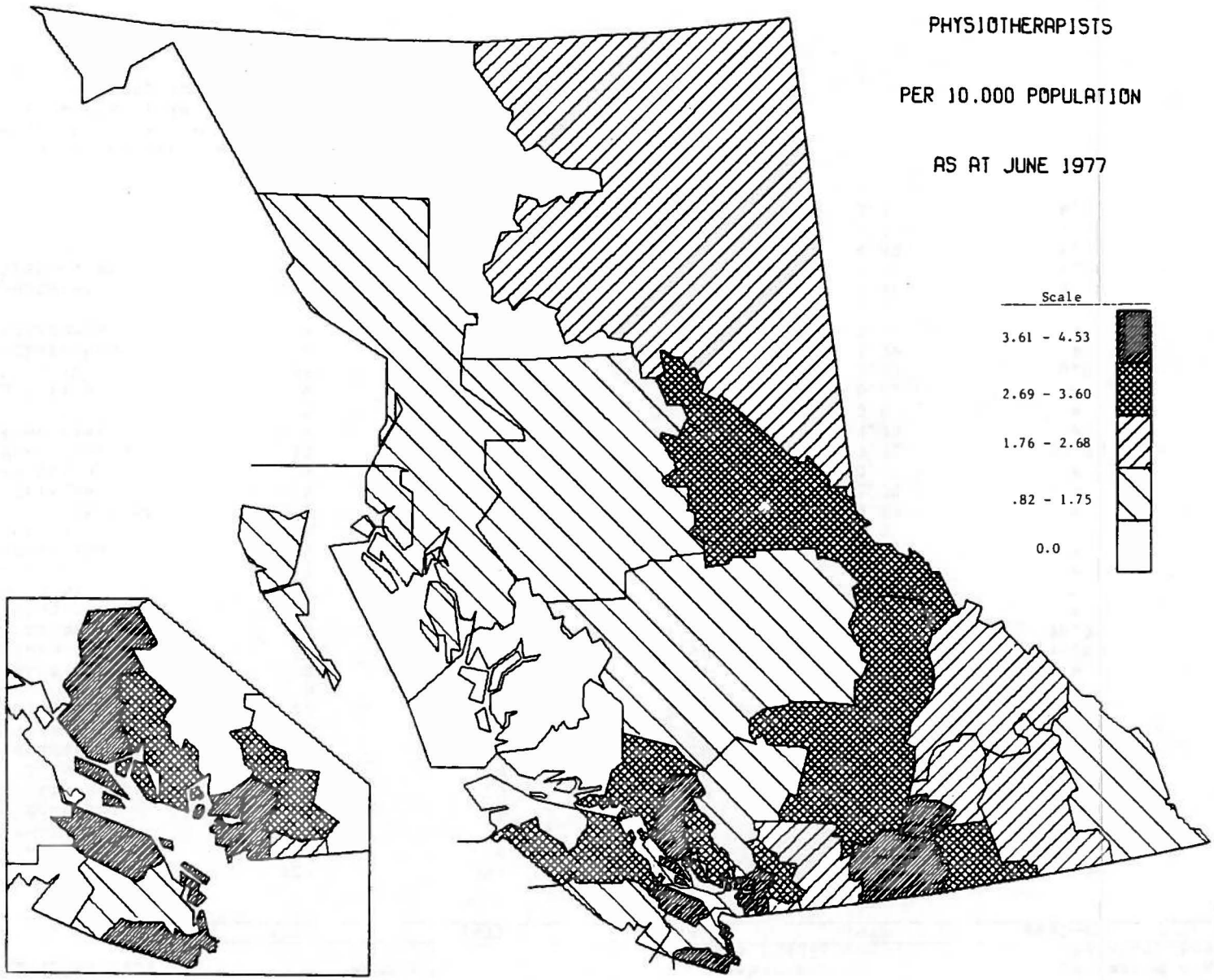

PHYSIOTHERAPISTS
PER 10,000 POPULATION
AS AT JUNE 1977
Scale
3.61 - 4.53
2.69 - 3.60
1.76 - 2.68
.82 - 1.75
0.0

Table 1a

Number of Physiotherapists[1] in British Columbia

by Regional Hospital District

1975 and 1977

Regional Hospital District		Number		Number per 10,000 Population		Estimated Annual Rate of Change[2]	
		1975	1977	1975	1977	Number[3]	Ratio[4]
Non-Metropolitan - Subtotal		227	291	2.04	2.44	14.10	9.81
1	East Kootenay	9	6	2.00	1.26	*	*
2	Central Kootenay	8	13	1.66	2.61	*	*
2a	Kootenay Boundary	6	10	1.90	3.15	*	*
3	Okanagan-Similkameen	16	20	3.22	3.75	12.50	8.38
4	Columbia-Shuswap	9	8	2.60	2.19	*	*
5	North Okanagan	10	10	2.26	2.02	0.0	-5.19
6	Central Okanagan	20	28	2.98	3.71	20.00	12.18
7	Thompson-Nicola	23	26	2.59	2.73	6.52	2.64
8	Cariboo	8	7	1.63	1.29	*	*
9	Squamish-Lillooet	2	2	1.31	1.23	*	*
10	Fraser-Cheam	10	13	1.99	2.48	15.00	12.37
11	Central Fraser Valley	13	21	1.59	2.24	30.77	20.49
12	Dewdney-Alouette	9	17	1.80	3.10	*	*
14	Sunshine Coast	4	4	3.35	3.06	*	*
15	Powell River	7	9	3.60	4.53	*	*
16	Mount Waddington	2	0	1.66	0.0	*	*
16a	Central Coast	1	0	2.39	0.0	*	*
17	Skeena-Queen Charlotte	3	2	1.33	0.88	*	*
18	Kitimat-Stikine	5	5	1.30	1.28	*	*
19	Bulkley-Nechako	2	3	0.63	0.89	*	*
20	Fraser-Fort George	13	26	1.70	3.15	50.00	42.62
21	Peace River-Liard	6	8	1.34	1.78	*	*
22	Stikine	0	0	0.0	0.0	*	*
24	Cowichan Valley	4	4	0.88	0.82	*	*
25	Nanaimo	25	25	4.23	3.87	0.0	-4.29
26	Alberni-Clayoquot	4	4	1.25	1.24	*	*
27	Comox-Strathcona	8	20	1.45	3.38	*	*
Metropolitan - Subtotal		547	586	4.21	4.40	3.56	2.23
13	Greater Vancouver	460	490	4.28	4.47	3.26	2.16
23	Capital	87	96	3.86	4.07	5.17	2.76
TOTAL		774	877	3.21	3.48	6.65	4.12

[1] Definitions are as in the attached text.
[2] A two year rate of change has been adjusted to an annual figure.
[3] Rate of change (in percent) in the number.
[4] Rate of change (in percent) in the number per 10,000 population.
* Indicates that the base for the rate of change was less than 10.

Prepared by:

Health Manpower Research Unit
University of B.C.

Table 1b.1

Number of Physiotherapists[1] in British Columbia

by Employment Status by Regional Hospital District

as at June 1977

Regional Hospital District	Employed in Physio-therapy	Employed in Occupational Therapy	Employed in Both	Employed in Other	Not Employed	Non-Respond[2]	Total
Non-Metropolitan - Subtotal	188	3	11	1	33	55	291
1 East Kootenay	5	0	0	0	0	1	6
2 Central Kootenay	10	0	0	0	2	1	13
2a Kootenay Boundary	5	1	0	0	0	4	10
3 Okanagan-Similkameen	13	1	0	0	1	5	20
4 Columbia-Shuswap	5	0	0	0	1	2	8
5 North Okanagan	8	0	1	0	0	1	10
6 Central Okanagan	15	0	3	0	5	5	28
7 Thompson-Nicola	19	0	0	1	1	5	26
8 Cariboo	4	0	1	0	1	1	7
9 Squamish-Lillooet	0	0	0	0	2	0	2
10 Fraser-Cheam	9	0	2	0	1	1	13
11 Central Fraser Valley	10	1	0	0	3	7	21
12 Dewdney-Alouette	12	0	0	0	2	3	17
14 Sunshine Coast	3	0	0	0	1	0	4
15 Powell River	8	0	0	0	1	0	9
16 Mount Waddington	0	0	0	0	0	0	0
16a Central Coast	0	0	0	0	0	0	0
17 Skeena-Queen Charlotte	1	0	0	0	0	1	2
18 Kitimat-Stikine	2	0	2	0	0	1	5
19 Bulkley-Nechako	2	0	0	0	0	1	3
20 Fraser-Fort George	17	0	0	0	5	4	26
21 Peace River-Liard	5	0	0	0	2	1	8
22 Stikine	0	0	0	0	0	0	0
24 Cowichan Valley	3	0	0	0	1	0	4
25 Nanaimo	16	0	0	0	2	7	25
26 Alberni-Clayoquot	4	0	0	0	0	0	4
27 Comox-Strathcona	12	0	2	0	2	4	20
Metropolitan - Subtotal	374	2	20	3	35	152	586
13 Greater Vancouver	310	2	17	2	28	131	490
23 Capital	64	0	3	1	7	21	96
TOTAL	562	5	31	4	68	207	877

[1] Definitions are as in the attached text.
[2] Includes non-respondents to this question and those who did not return the questionnaire.

Prepared By:
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University of B.C.

Table 1c.1

Estimated[2] Number of Physiotherapists[1] in British Columbia by Employment Status as at June 1977

Regional Hospital District		Employed in Physio-therapy	Employed in Occupational Therapy	Employed in Both	Employed in Other	Not Employed	Non-Respond[3]	Total
Non-Metropolitan - Subtotal		221.6	3.8	12.3	1.2	39.0	13.0	291.0
1	East Kootenay	5.0	0.0	0.0	0.0	0.0	1.0	6.0
2	Central Kootenay	10.8	0.0	0.0	0.0	2.2	0.0	13.0
2a	Kootenay Boundary	5.0	1.0	0.0	0.0	0.0	4.0	10.0
3	Okanagan-Similkameen	17.3	1.3	0.0	0.0	1.3	0.0	20.0
4	Columbia-Shuswap	5.0	0.0	0.0	0.0	1.0	2.0	8.0
5	North Okanagan	8.0	0.0	1.0	0.0	0.0	1.0	10.0
6	Central Okanagan	18.3	0.0	3.6	0.0	6.1	0.0	28.0
7	Thompson-Nicola	23.5	0.0	0.0	1.2	1.2	0.0	26.0
8	Cariboo	4.0	0.0	1.0	0.0	1.0	1.0	7.0
9	Squamish-Lillooet	0.0	0.0	0.0	0.0	2.0	0.0	2.0
10	Fraser-Cheam	9.8	0.0	2.2	0.0	1.1	0.0	13.0
11	Central Fraser Valley	15.0	1.5	0.0	0.0	4.5	0.0	21.0
12	Dewdney-Alouette	14.6	0.0	0.0	0.0	2.4	0.0	17.0
14	Sunshine Coast	3.0	0.0	0.0	0.0	1.0	0.0	4.0
15	Powell River	8.0	0.0	0.0	0.0	1.0	0.0	9.0
16	Mount Waddington	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16a	Central Coast	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	Skeena-Queen Charlotte	1.0	0.0	0.0	0.0	0.0	1.0	2.0
18	Kitimat-Stikine	2.0	0.0	2.0	0.0	0.0	1.0	5.0
19	Bulkley-Nechako	2.0	0.0	0.0	0.0	0.0	1.0	3.0
20	Fraser-Fort George	20.1	0.0	0.0	0.0	5.9	0.0	26.0
21	Peace River-Liard	5.0	0.0	0.0	0.0	2.0	1.0	8.0
22	Stikine	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	Cowichan Valley	3.0	0.0	0.0	0.0	1.0	0.0	4.0
25	Nanaimo	22.2	0.0	0.0	0.0	2.8	0.0	25.0
26	Alberni-Clayoquot	4.0	0.0	0.0	0.0	0.0	0.0	4.0
27	Comox-Strathcona	15.0	0.0	2.5	0.0	2.5	0.0	20.0
Metropolitan - Subtotal		505.0	2.7	27.0	4.0	47.2	0.0	586.0
13	Greater Vancouver	423.1	2.7	23.2	2.7	38.2	0.0	490.0
23	Capital	81.9	0.0	3.8	1.3	9.0	0.0	96.0
TOTAL		726.6	6.6	39.4	5.2	86.2	13.0	877.0

[1] Definitions are as in the attached text.
[2] Estimated numbers adjusted for non-respondents (see attached text).
[3] Numbers less than 10 were not adjusted.
Numbers may not add due to rounding.

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University of B.C.

Table 1c.2

Estimated[2] Number of Physiotherapists[1]

in British Columbia per 10,000 Population by Employment Status

as at June 1977

Regional Hospital District	Employed in Physio-therapy	Employed in Occupational Therapy	Employed in Both	Employed in Other	Not Employed	Non-Respond[3]	Total
Non-Metropolitan - Subtotal	1.86	0.03	0.10	0.01	0.33	0.11	2.44
1 East Kootenay	1.05	0.0	0.0	0.0	0.0	0.21	1.26
2 Central Kootenay	2.17	0.0	0.0	0.0	0.44	0.0	2.61
2a Kootenay Boundary	1.57	0.31	0.0	0.0	0.0	1.26	3.15
3 Okanagan-Similkameen	3.25	0.25	0.0	0.0	0.25	0.0	3.75
4 Columbia-Shuswap	1.37	0.0	0.0	0.0	0.27	0.55	2.19
5 North Okanagan	1.62	0.0	0.20	0.0	0.0	0.20	2.02
6 Central Okanagan	2.42	0.0	0.48	0.0	0.81	0.0	3.71
7 Thompson-Nicola	2.47	0.0	0.0	0.13	0.13	0.0	2.73
8 Cariboo	0.74	0.0	0.18	0.0	0.18	0.18	1.29
9 Squamish-Lillooet	0.0	0.0	0.0	0.0	1.23	0.0	1.23
10 Fraser-Cheam	1.86	0.0	0.41	0.0	0.21	0.0	2.48
11 Central Fraser Valley	1.60	0.16	0.0	0.0	0.48	0.0	2.24
12 Dewdney-Alouette	2.65	0.0	0.0	0.0	0.44	0.0	3.10
14 Sunshine Coast	2.29	0.0	0.0	0.0	0.76	0.0	3.06
15 Powell River	4.03	0.0	0.0	0.0	0.50	0.0	4.53
16 Mount Waddington	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16a Central Coast	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Skeena-Queen Charlotte	0.44	0.0	0.0	0.0	0.0	0.44	0.88
18 Kitimat-Stikine	0.51	0.0	0.51	0.0	0.0	0.26	1.28
19 Bulkley-Nechako	0.59	0.0	0.0	0.0	0.0	0.30	0.89
20 Fraser-Fort George	2.43	0.0	0.0	0.0	0.71	0.0	3.15
21 Peace River-Liard	1.11	0.0	0.0	0.0	0.44	0.22	1.78
22 Stikine	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Cowichan Valley	0.62	0.0	0.0	0.0	0.21	0.0	0.82
25 Nanaimo	3.44	0.0	0.0	0.0	0.43	0.0	3.87
26 Alberni-Clayoquot	1.24	0.0	0.0	0.0	0.0	0.0	1.24
27 Comox-Strathcona	2.54	0.0	0.42	0.0	0.42	0.0	3.38
Metropolitan - Subtotal	3.79	0.02	0.20	0.03	0.35	0.0	4.40
13 Greater Vancouver	3.86	0.02	0.21	0.02	0.35	0.0	4.47
23 Capital	3.47	0.0	0.16	0.05	0.38	0.0	4.07
TOTAL	2.88	0.03	0.16	0.02	0.34	0.05	3.48

[1] Definitions are as in the attached text.
[2] Estimated numbers adjusted for non-respondents (see attached text).
[3] Numbers less than 10 were not adjusted.
Numbers may not add due to rounding.

Prepared by:

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University of B.C.

Table 2.1

Number of Physiotherapists[1] in British Columbia

by Type of Employing Institution by Regional Hospital District

as at June 1977

Regional Hospital District		Hospital					Workers' Compensation Board	Crippled Children's Centre	Subtotal
		General	Rehab.	Ext. Care/ Chronic	Other	Subtotal			
Non-Metropolitan - Subtotal		130	0	4	2	136	0	10	146
1	East Kootenay	5	0	0	0	5	0	0	5
2	Central Kootenay	8	0	0	0	8	0	1	9
2a	Kootenay Boundary	6	0	0	0	6	0	0	6
3	Okanagan-Similkameen	10	0	0	0	10	0	0	10
4	Columbia-Shuswap	5	0	0	0	5	0	0	5
5	North Okanagan	1	0	1	0	2	0	1	3
6	Central Okanagan	12	0	1	0	13	0	1	14
7	Thompson-Nicola	14	0	1	0	15	0	0	15
8	Cariboo	4	0	0	0	4	0	1	5
9	Squamish-Lillooet	0	0	0	0	0	0	0	0
10	Fraser-Cheam	7	0	0	0	7	0	0	7
11	Central Fraser Valley	4	0	0	2	6	0	1	7
12	Dewdney-Alouette	7	0	0	0	7	0	1	8
14	Sunshine Coast	2	0	0	0	2	0	0	2
15	Powell River	5	0	0	0	5	0	0	5
16	Mount Waddington	0	0	0	0	0	0	0	0
16a	Central Coast	0	0	0	0	0	0	0	0
17	Skeena-Queen Charlotte	1	0	0	0	1	0	0	1
18	Kitimat-Stikine	3	0	0	0	3	0	0	3
19	Bulkley-Nechako	1	0	0	0	1	0	0	1
20	Fraser-Fort George	9	0	0	0	9	0	1	10
21	Peace River-Liard	4	0	0	0	4	0	1	5
22	Stikine	0	0	0	0	0	0	0	0
24	Cowichan Valley	3	0	0	0	3	0	0	3
25	Nanaimo	9	0	0	0	9	0	1	10
26	Alberni-Clayoquot	3	0	0	0	3	0	0	3
27	Comox-Strathcona	7	0	1	0	8	0	1	9
Metropolitan - Subtotal		168	39	15	12	234	26	9	269
13	Greater Vancouver	139	27	10	9	185	26	7	218
23	Capital	29	12	5	3	49	0	2	51
TOTAL		298	39	19	14	370	26	19	415

[1] Definitions are as in the attached text.

Prepared By:
Health Manpower Research Unit
University of B.C.

Table 2.1
(continued)

Number of Physiotherapists[1] in British Columbia

by Type of Employing Institution by Regional Hospital District

as at June 1977

Regional Hospital District	Private Practice	Home Care	University	C.A.R.S. Centre	Other	Not Applicable[2]	Total
Non-Metropolitan - Subtotal	29	10	1	9	5	91	291
1 East Kootenay	0	0	0	0	0	1	6
2 Central Kootenay	0	0	0	0	2	2	13
2a Kootenay Boundary	0	0	0	0	0	4	10
3 Okanagan-Similkameen	2	1	0	3	0	4	20
4 Columbia-Shuswap	0	0	0	0	0	3	8
5 North Okanagan	2	1	0	1	0	3	10
6 Central Okanagan	2	1	0	1	0	10	28
7 Thompson-Nicola	4	0	0	0	0	7	26
8 Cariboo	0	0	0	0	0	2	7
9 Squamish-Lillooet	0	0	0	0	0	2	2
10 Fraser-Cheam	2	1	0	0	0	3	13
11 Central Fraser Valley	3	1	0	1	0	9	21
12 Dewdney-Alouette	3	0	0	0	0	6	17
14 Sunshine Coast	0	1	0	0	0	1	4
15 Powell River	1	1	0	0	0	2	9
16 Mount Waddington	0	0	0	0	0	0	0
16a Central Coast	0	0	0	0	0	0	0
17 Skeena-Queen Charlotte	0	0	0	0	0	1	2
18 Kitimat-Stikine	0	0	0	0	1	1	5
19 Bulkley-Nechako	0	0	0	0	1	1	3
20 Fraser-Fort George	5	1	0	1	0	9	26
21 Peace River-Liard	0	0	0	0	0	3	8
22 Stikine	0	0	0	0	0	0	0
24 Cowichan Valley	0	0	0	0	0	1	4
25 Nanaimo	5	0	0	2	0	8	25
26 Alberni-Clayoquot	0	0	0	0	0	1	4
27 Comox-Strathcona	0	2	1	0	1	7	20
Metropolitan - Subtotal	62	24	7	18	9	197	586
13 Greater Vancouver	50	22	7	16	7	170	490
23 Capital	12	2	0	2	2	27	96
TOTAL	91	34	8	27	14	288	877

[1] Definitions are as in the attached text.
[2] Includes non-respondents to this question, those who did not return the questionnaire and those who are not employed.

Prepared By:
Health Manpower Research Unit
University of B.C.

Table 3a.1

Number of Physiotherapists[1] in British Columbia

by Principal Area of Service by Regional Hospital District

as at June 1977

Regional Hospital District	In-Patient	Out-Patient	In & Out Patient	Home Service	Administration	Admin. & Patient Care	Teaching	Other	Not Applicable[2]	Total
Non-Metropolitan - Subtotal	27	63	71	14	1	21	1	1	92	291
1 East Kootenay	0	1	3	0	0	1	0	0	1	6
2 Central Kootenay	3	4	2	1	0	1	0	0	2	13
2a Kootenay Boundary	1	0	4	0	0	1	0	0	4	10
3 Okanagan-Similkameen	2	4	7	1	0	2	0	0	4	20
4 Columbia-Shuswap	0	1	3	0	0	1	0	0	3	8
5 North Okanagan	1	4	1	1	0	0	0	0	3	10
6 Central Okanagan	5	7	4	1	0	1	0	0	10	28
7 Thompson-Nicola	3	5	9	0	1	1	0	0	7	26
8 Cariboo	0	1	3	0	0	1	0	0	2	7
9 Squamish-Lillooet	0	0	0	0	0	0	0	0	2	2
10 Fraser-Cheam	0	3	4	1	0	2	0	0	3	13
11 Central Fraser Valley	3	5	1	1	0	2	0	0	9	21
12 Dewdney-Alouette	1	6	3	0	0	1	0	0	6	17
14 Sunshine Coast	0	0	1	1	0	1	0	0	1	4
15 Powell River	0	1	3	1	0	2	0	0	2	9
16 Mount Waddington	0	0	0	0	0	0	0	0	0	0
16a Central Coast	0	0	0	0	0	0	0	0	0	0
17 Skeena-Queen Charlotte	0	1	0	0	0	0	0	0	1	2
18 Kitimat-Stikine	1	1	2	0	0	0	0	0	1	5
19 Bulkley-Nechako	0	1	1	0	0	0	0	0	1	3
20 Fraser-Fort George	3	6	4	2	0	2	0	0	9	26
21 Peace River-Liard	0	0	4	0	0	0	0	0	4	8
22 Stikine	0	0	0	0	0	0	0	0	0	0
24 Cowichan Valley	0	1	1	0	0	1	0	0	1	4
25 Nanaimo	3	6	5	2	0	0	0	1	8	25
26 Alberni-Clayoquot	0	1	2	0	0	0	0	0	1	4
27 Comox-Strathcona	1	4	4	2	0	1	1	0	7	20
Metropolitan - Subtotal	94	134	78	27	18	28	7	2	198	586
13 Greater Vancouver	82	115	51	24	14	26	7	1	170	490
23 Capital	12	19	27	3	4	2	0	1	28	96
TOTAL	121	197	149	41	19	49	8	3	290	877

[1] Definitions are as in the attached text.
[2] Includes non-respondents to this question, those who did not return the questionnaire and those who are not employed.

Prepared By:
Health Manpower Research Unit
University of B.C.

Table 3b.1

Number of Physictherapists[1] in British Columbia

by Principal Type of Position by Regional Hospital District

as at June 1977

Regional Hospital District	Staff Therapist	Combined Therapist	Sole Charge	Senior Therapist	Supervisor[2]	Owner/ Partner	Teacher	Other	Not Applicable[3]	Total
Non-Metropolitan - Subtotal	105	6	37	0	25	24	1	2	91	291
1 East Kootenay	3	0	1	0	1	0	0	0	1	6
2 Central Kootenay	4	0	5	0	2	0	0	0	2	13
2a Kootenay Boundary	4	0	1	0	1	0	0	0	4	10
3 Okanagan-Similkameen	7	0	5	0	1	2	0	1	4	20
4 Columbia-Shuswap	3	0	0	0	2	0	0	0	3	8
5 North Okanagan	3	0	2	0	0	2	0	0	3	10
6 Central Okanagan	10	2	1	0	3	2	0	0	10	28
7 Thompson-Nicola	13	0	2	0	2	2	0	0	7	26
8 Cariboo	2	1	1	0	1	0	0	0	2	7
9 Squamish-Lillooet	0	0	0	0	0	0	0	0	2	2
10 Fraser-Cheam	5	0	2	0	1	2	0	0	3	13
11 Central Fraser Valley	4	0	2	0	3	3	0	0	9	21
12 Dewdney-Alouette	7	0	0	0	1	3	0	0	6	17
14 Sunshine Coast	2	0	0	0	1	0	0	0	1	4
15 Powell River	3	0	1	0	2	1	0	0	2	9
16 Mount Waddington	0	0	0	0	0	0	0	0	0	0
16a Central Coast	0	0	0	0	0	0	0	0	0	0
17 Skeena-Queen Charlotte	0	0	0	0	0	0	0	1	1	2
18 Kitimat-Stikine	1	1	2	0	0	0	0	0	1	5
19 Bulkley-Nechako	0	0	2	0	0	0	0	0	1	3
20 Fraser-Fort George	8	0	5	0	1	3	0	0	9	26
21 Peace River-Liard	3	0	2	0	0	0	0	0	3	8
22 Stikine	0	0	0	0	0	0	0	0	0	0
24 Cowichan Valley	1	0	1	0	1	0	0	0	1	4
25 Nanaimo	12	0	1	0	0	4	0	0	8	25
26 Alberni-Clayoquot	3	0	0	0	0	0	0	0	1	4
27 Comox-Strathcona	7	2	1	0	2	0	1	0	7	20
Metropolitan - Subtotal	259	9	23	10	44	26	8	8	199	586
13 Greater Vancouver	217	9	16	9	36	20	8	5	170	490
23 Capital	42	0	7	1	8	6	0	3	29	96
TOTAL	364	15	60	10	69	50	9	10	290	877

[1] Definitions are as in the attached text.
[2] Includes assistant Supervisors.
[3] Includes non-respondents to this question, those who did not return the questionnaire and those who are not employed.

Prepared By:
Health Manpower Research Unit
University of B.C.

23. PODIATRISTS

Definition: "Diagnoses, prescribes for, and treats ailments, diseases, defects or disabilities of the human foot:
Diagnoses foot ailments, such as tumors, ulcers, fractures, skin and nail diseases, and congenital, hereditary, or acquired deformities, utilizing such medically accepted methods as urinalysis, blood tests, and X-ray examination. Treats deformities, such as flat or weak feet, and foot imbalance, by electrical and mechanical means. Treats ailments and conditions, such as corns, calluses and ingrowing nails, using instruments, and prescribes or dispenses medications. Corrects deformities by means of plaster casts, strappings, braces, and prosthetic appliances. Prescribes corrective footwear. Advises patients concerning continued treatment of disorders and proper foot care to prevent recurrence. Refers patients to physicians and other medical specialists in the appropriate field of practice when symptoms observed in feet and legs indicate systemic disorders." [1]

Date of Record: Location of office as at October 1975 and December 1977.

Source of Data: British Columbia Association of Podiatrists.

Preparation and Updating:

The table was prepared from the register of podiatrists provided by the B.C. Association of Podiatrists. Included are podiatrists who are licensed under the Podiatry Act and are known to have a B.C. address at the date of record.

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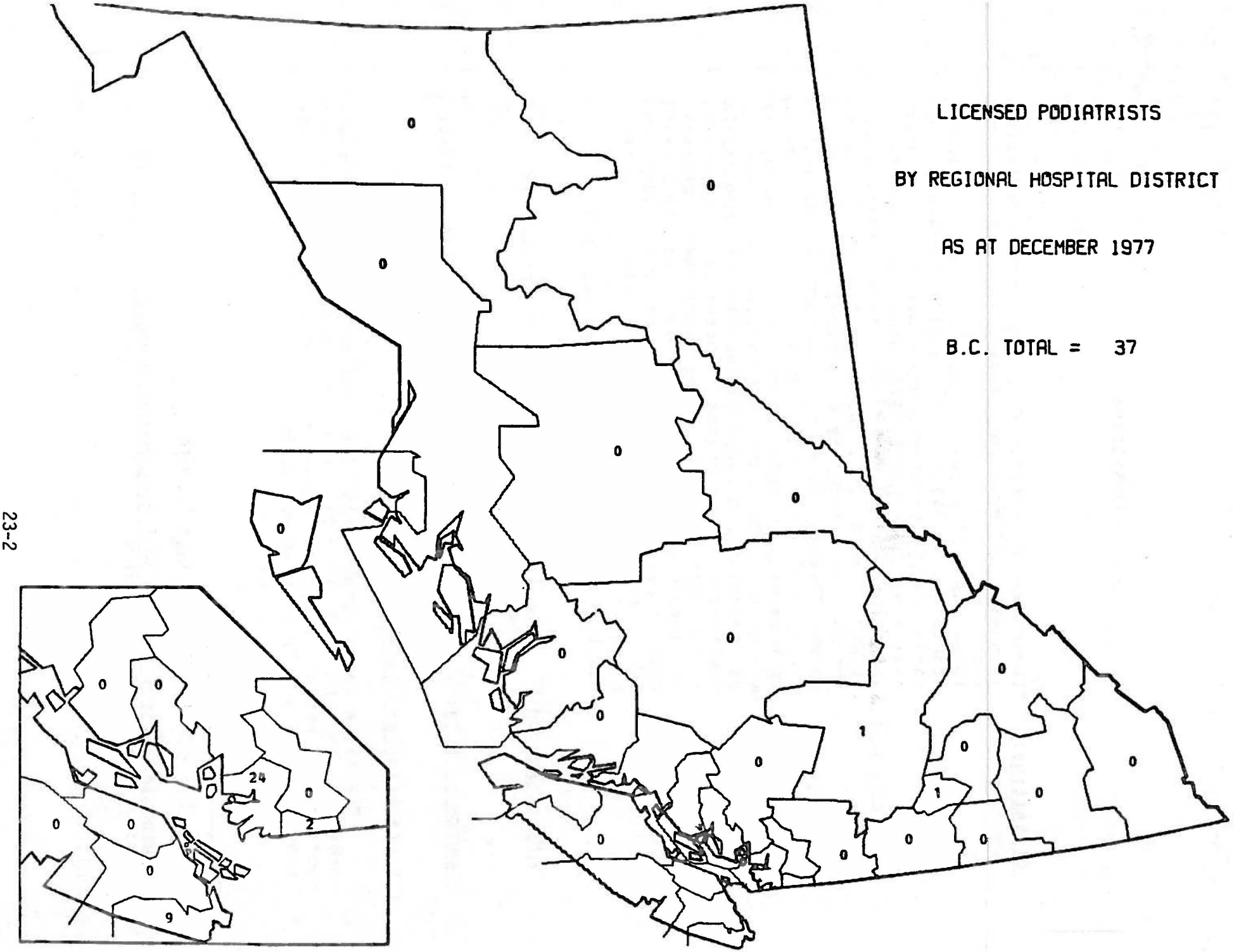
[1] Canadian Classification and Dictionary of Occupations 1971 vol. 1, p. 125, No. 3119-110.


LICENSED PODIATRISTS
BY REGIONAL HOSPITAL DISTRICT
AS AT DECEMBER 1977
B.C. TOTAL = 37
0
0
0
0
0
0
0
0
0
0
0
0
0
0
1
1
0
0
0
0
0
0
0
0
0
24
0
2
0
0
0
9

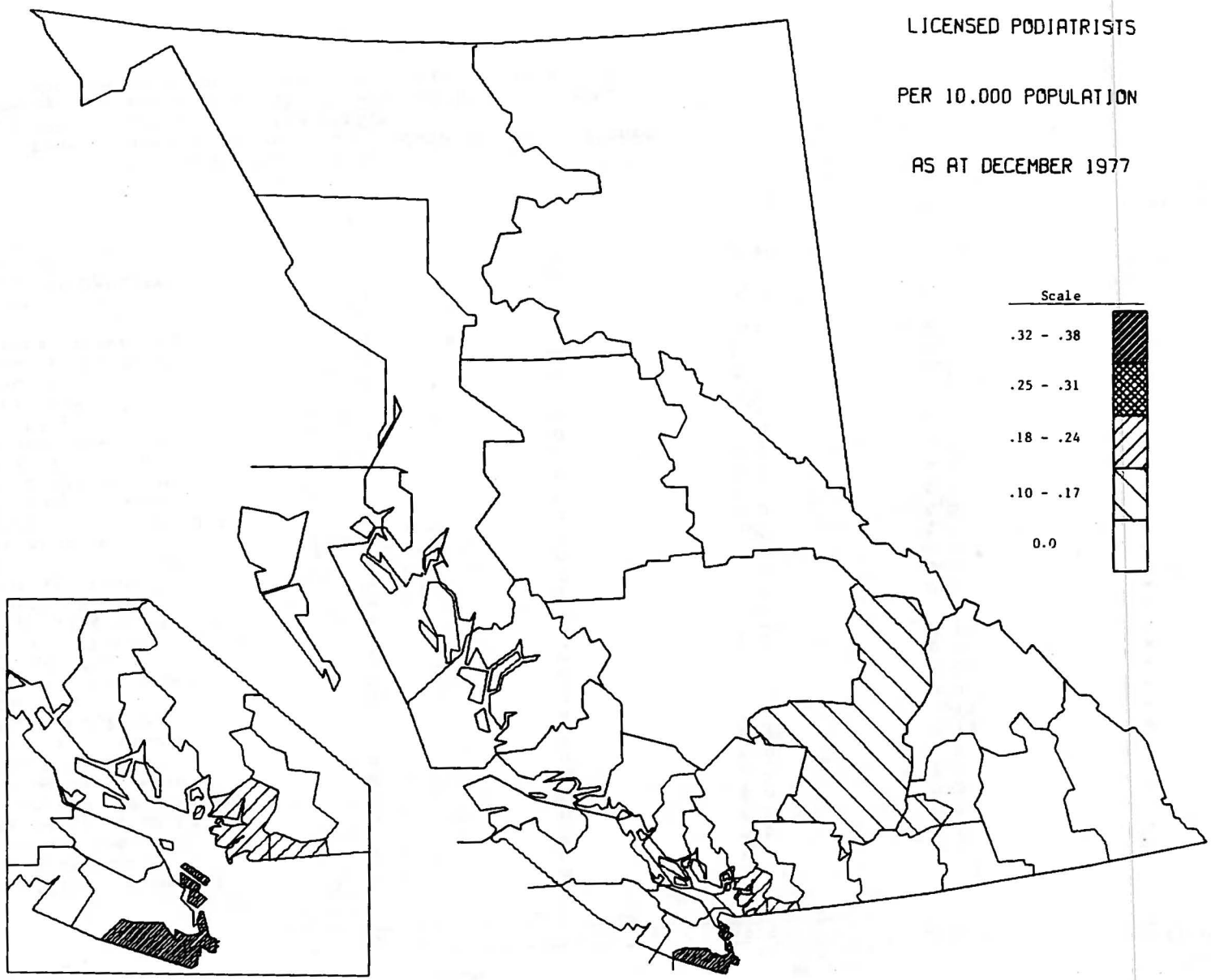

LICENSED PODIATRISTS
PER 10,000 POPULATION
AS AT DECEMBER 1977
Scale
.32 - .38
.25 - .31
.18 - .24
.10 - .17
0.0

Table 1

Number of Licensed Podiatrists[1] in British Columbia

by Regional Hospital District

1975 and 1977

Regional Hospital District		Number		Number per 10,000 Population		Estimated Annual Rate of Change[2]	
		1975	1977	1975	1977	Number[3]	Ratio[4]
Non-Metropolitan - Subtotal		4	4	0.04	0.03	*	*
1	East Kootenay	0	0	0.0	0.0	*	*
2	Central Kootenay	0	0	0.0	0.0	*	*
2a	Kootenay Boundary	0	0	0.0	0.0	*	*
3	Okanagan-Similkameen	0	0	0.0	0.0	*	*
4	Columbia-Shuswap	0	0	0.0	0.0	*	*
5	North Okanagan	0	0	0.0	0.0	*	*
6	Central Okanagan	1	1	0.15	0.13	*	*
7	Thompson-Nicola	1	1	0.11	0.10	*	*
8	Cariboo	0	0	0.0	0.0	*	*
9	Squamish-Lillooet	0	0	0.0	0.0	*	*
10	Fraser-Cheam	0	0	0.0	0.0	*	*
11	Central Fraser Valley	2	2	0.24	0.21	*	*
12	Dewdney-Alouette	0	0	0.0	0.0	*	*
14	Sunshine Coast	0	0	0.0	0.0	*	*
15	Powell River	0	0	0.0	0.0	*	*
16	Mount Waddington	0	0	0.0	0.0	*	*
16a	Central Coast	0	0	0.0	0.0	*	*
17	Skeena-Queen Charlotte	0	0	0.0	0.0	*	*
18	Kitimat-Stikine	0	0	0.0	0.0	*	*
19	Bulkley-Nechako	0	0	0.0	0.0	*	*
20	Fraser-Fort George	0	0	0.0	0.0	*	*
21	Peace River-Liard	0	0	0.0	0.0	*	*
22	Stikine	0	0	0.0	0.0	*	*
24	Cowichan Valley	0	0	0.0	0.0	*	*
25	Nanaimo	0	0	0.0	0.0	*	*
26	Alberni-Clayoquot	0	0	0.0	0.0	*	*
27	Comox-Strathcona	0	0	0.0	0.0	*	*
Metropolitan - Subtotal		31	33	0.24	0.25	2.87	1.69
13	Greater Vancouver	22	24	0.20	0.22	4.04	3.03
23	Capital	9	9	0.40	0.38	*	*
TOTAL		35	37	0.15	0.15	2.54	0.44

[1] Definitions are as in the attached text.
[2] A 27 month rate of change has been adjusted to an annual figure.
[3] Rate of change (in percent) in the number.
[4] Rate of change (in percent) in the number per 10,000 population.
* Indicates that the base for the rate of change was less than 10.

Prepared by:

Health Manpower Research Unit
University of B.C.

24. PROSTHETISTS AND ORTHOTISTS

Definition: " Orthotics

Orthotics is defined as the science and art of developing, correcting or supporting a human locomotor system which is abnormal, malformed, or has lost or has never had its full functional ability, by the use of appliances designed to correct, develop, strengthen, or support the system and increase its physiological performance.
This will excludes dental orthotics.

Orthotist

An orthotist is a professional worker who practises the art of orthotics and who, in pursuit of this art, can design, fabricate and fit appropriate supports, braces, shoes, remedial appliances and devices, which shall be known as orthoses.

Prosthetics

Prosthetics is defined as the science and art of replacing part of a human locomotor system, by an appliance capable of simulating the missing member both in function and appearance.
This will excludes dental prosthetics.

Prosthetist

A prosthetist is a professional worker who practises the art of prosthetics and who, in pursuit of this art, can design, fabricate and fit appropriate appliances and devices, which shall be known as prostheses." [1]

Date of Record: Location data as at December 1977.

Source of Data: Canadian Board for Certification of Prosthetists and Orthotists.

Preparation and Updating:

The list was provided by the Canadian Board for Certification of Prosthetists and Orthotists.

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[1] Canadian Board for Certification of Prosthetists and Orthotists.

Table 1

Number of Prosthetists and Orthotists[1] in British Columbia

by Specialty by Regional Hospital District

as at December 1977

Regional Hospital District	Certified Prosthetists	Certified Orthotists	Certified Prosthetists & Orthotists	Prosthetic Technicians	Orthotic Technicians	Total
Non-Metropolitan Subtotal	1	1	0	0	0	2
6 Central Okanagan	1	1	0	0	0	2
Metropolitan Subtotal	2	5	3	13	10	33
13 Greater Vancouver	1	4	3	12	9	29
23 Capital	1	1	0	1	1	4
TOTAL	3	6	3	13	10	35

[1] Definitions are as in the attached text.

Prepared by:

Health Manpower Research Unit
University of B.C.

25. PSYCHOLOGISTS

Definition: The practice of psychology includes:

" (i) 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, or

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

(iii) 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

for a fee or reward, monetary or otherwise;" [1]

Date of Record: Location of office or home address as at January 1978.

Source of Data: British Columbia Psychological Association.

Preparation and Updating:

Negotiations for the creation of a dynamic computer-based file of Psychologists is currently under way. Notification of new registrants, change in location or type of registration will be received by the Health Manpower Research Unit from the Association on a monthly basis. These updates will be entered, after careful editing and reconciliation of inconsistencies, into PSYCHFILE, the dynamic computer-based file.

Included in the tables are psychologists registered with the Association as members of record or new registrants and known to have a B.C. office or home address at the date of record.

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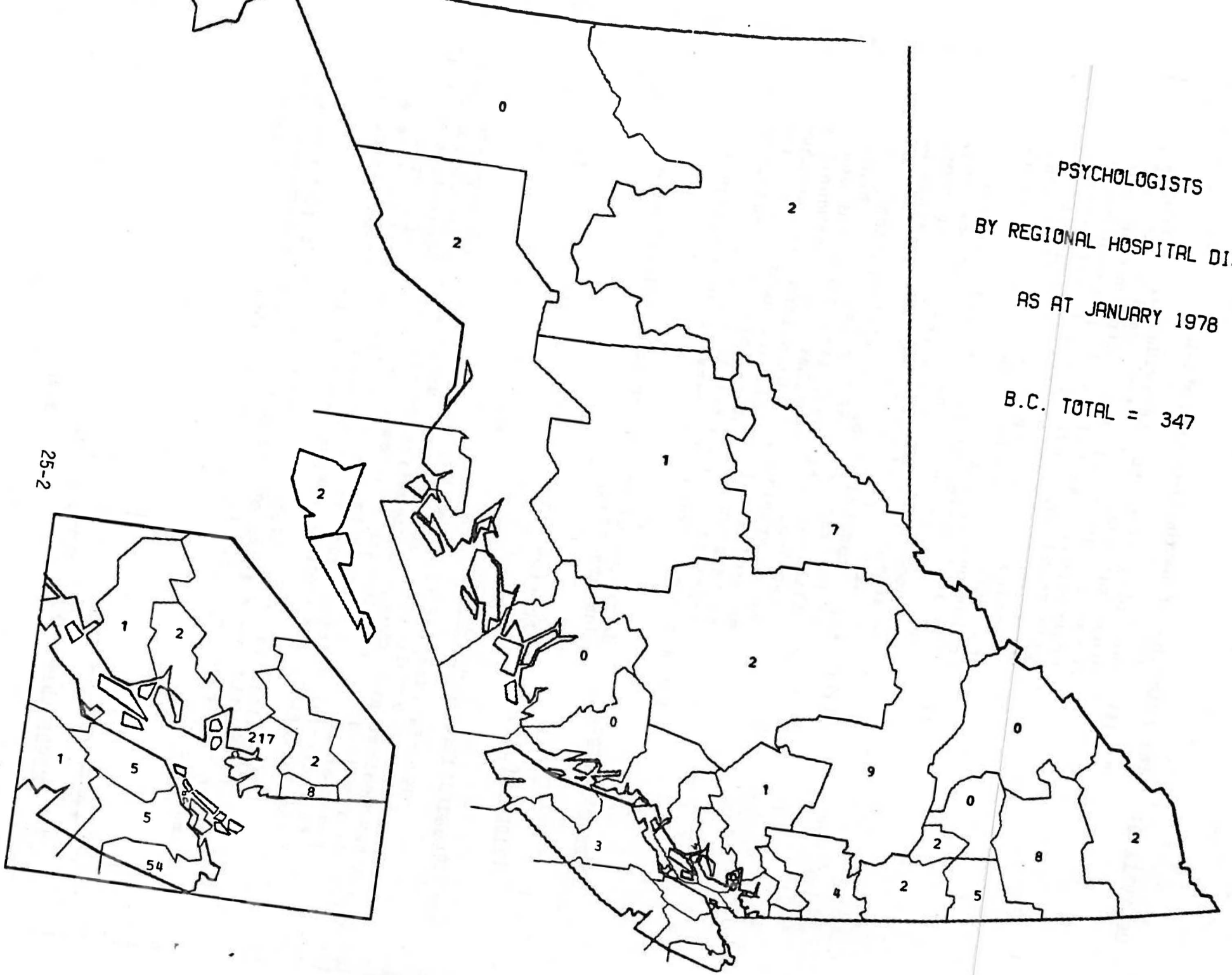
[1] Psychologists Act. 1977, p. 73.



PSYCHOLOGISTS

BY REGIONAL HOSPITAL DISTRICT

AS AT JANUARY 1978

B.C. TOTAL = 347

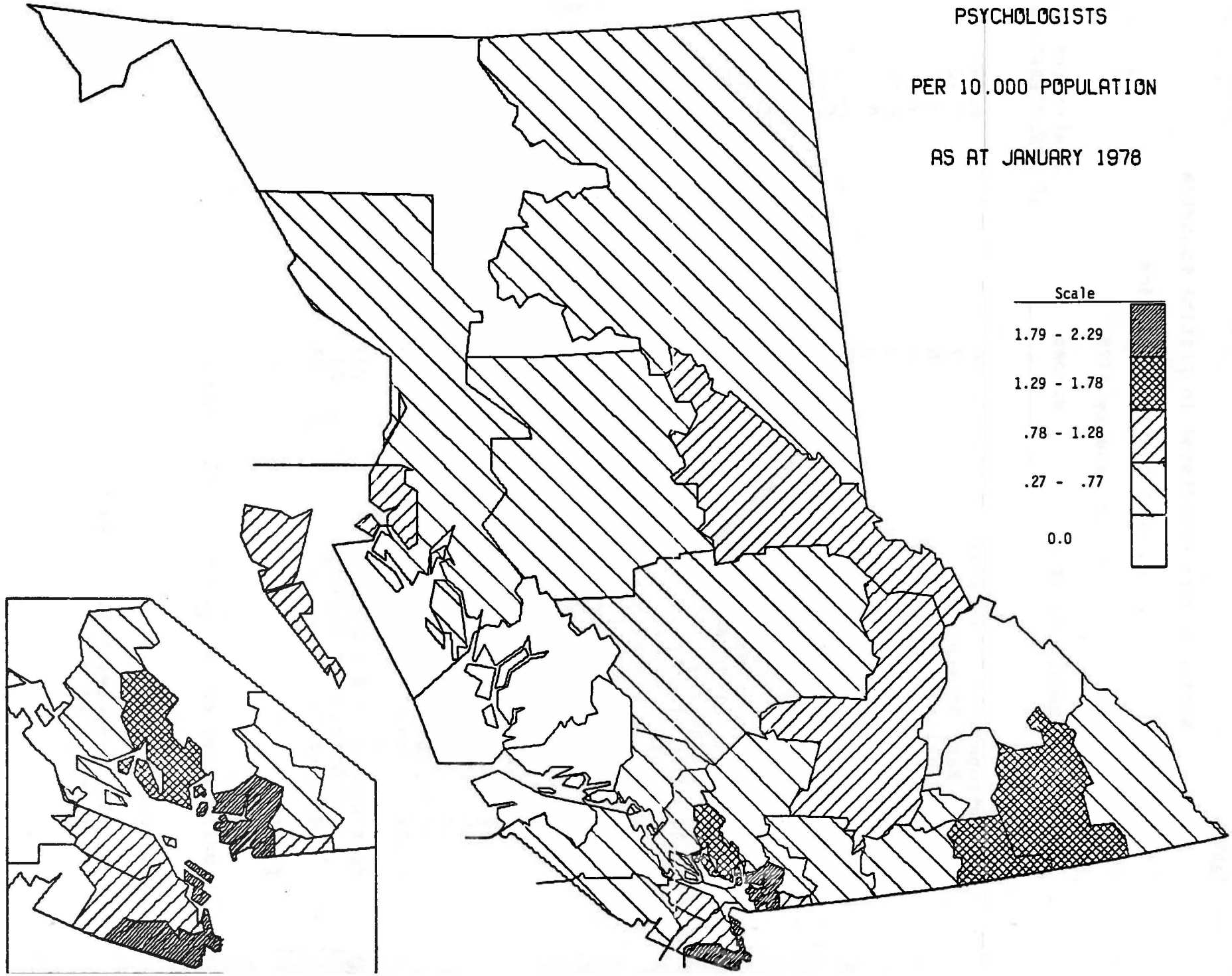

PSYCHOLOGISTS
PER 10.000 POPULATION
AS AT JANUARY 1978
Scale
1.79 - 2.29
1.29 - 1.78
.78 - 1.28
.27 - .77
0.0

Table 1

Number of Psychologists[1] in British Columbia by Regional Hospital District as at January 1978

Regional Hospital District		Number	Number per 10,000 Population
Non-Metropolitan - Subtotal		76	0.64
1	East Kootenay	2	0.42
2	Central Kootenay	8	1.61
2a	Kootenay Boundary	5	1.57
3	Okanagan-Similkameen	2	0.38
4	Columbia-Shuswap	0	0.0
5	North Okanagan	0	0.0
6	Central Okanagan	2	0.27
7	Thompson-Nicola	9	0.94
8	Cariboo	2	0.37
9	Squamish-Lillooet	1	0.61
10	Fraser-Cheam	4	0.76
11	Central Fraser Valley	8	0.85
12	Dewdney-Alouette	2	0.36
14	Sunshine Coast	2	1.53
15	Powell River	1	0.50
16	Mount Waddington	0	0.0
16a	Central Coast	0	0.0
17	Skeena-Queen Charlotte	2	0.88
18	Kitimat-Stikine	2	0.51
19	Bulkley-Nechako	1	0.30
20	Fraser-Fort George	7	0.85
21	Peace River-Liard	2	0.44
22	Stikine	0	0.0
24	Cowichan Valley	5	1.03
25	Nanaimo	5	0.77
26	Alberni-Clayoquot	1	0.31
27	Comox-Strathcona	3	0.51
Metropolitan - Subtotal		271	2.03
13	Greater Vancouver	217	1.98
23	Capital	54	2.29
TOTAL		347	1.38

[1] Definitions are as in the attached text.

Prepared by:

Health Manpower Research Unit
University of B.C.

26. PUBLIC HEALTH INSPECTORS

Definition: "Enforces laws and regulations governing health standards and provides advice, performing any combination of the following duties: Locates persons suspected of exposure to communicable diseases to prevent further spread of disease. Interviews exposed persons to secure information concerning other persons who may have been exposed. Advises people to obtain treatment. Inspects restaurants, hotels, cafeterias and other public places to ensure compliance with sanitation laws. Takes samples of water, food and air, and orders chemical, physical or biological tests to determine contamination. Visits plants where food, drugs, cosmetics and similar items are manufactured to investigate sanitary conditions and health and hygiene habits of persons handling consumer products. Destroys subgrades or prohibits sale of impure, toxic, damaged or misbranded items. Ascertains that required permits have been obtained and are displayed. Inspects nursing homes and hospitals to ensure conformance with standards and laws governing sanitation, facilities, ethical practices, maintenance of records and competence of personnel. Recommends changes in administrative procedures, facilities and standards to improve efficiency and service to patients. Applies regulations governing manufacture, labelling and sale of upholstered and stuffed articles to ensure use of approved materials. Inspects waste disposal sites to ensure that pollution control regulations are followed. Inspects water wells to enforce provisions of permits. Writes reports and issues violation notices and corrective orders." [1]

Date of Record: Location of home address as at July 1975 and July 1977.

Source of Data: B.C. Branch of the Canadian Institute of Public Health Inspectors.

Preparation and Updating:

The list was prepared by the B.C. Branch and includes all persons known to be in practice. Registration is not mandatory, but all persons known to be employed at provincial, municipal or federal levels in B.C. at the date of record are included.

Addresses used are mainly offices, and have been assembled by the B.C. Branch.

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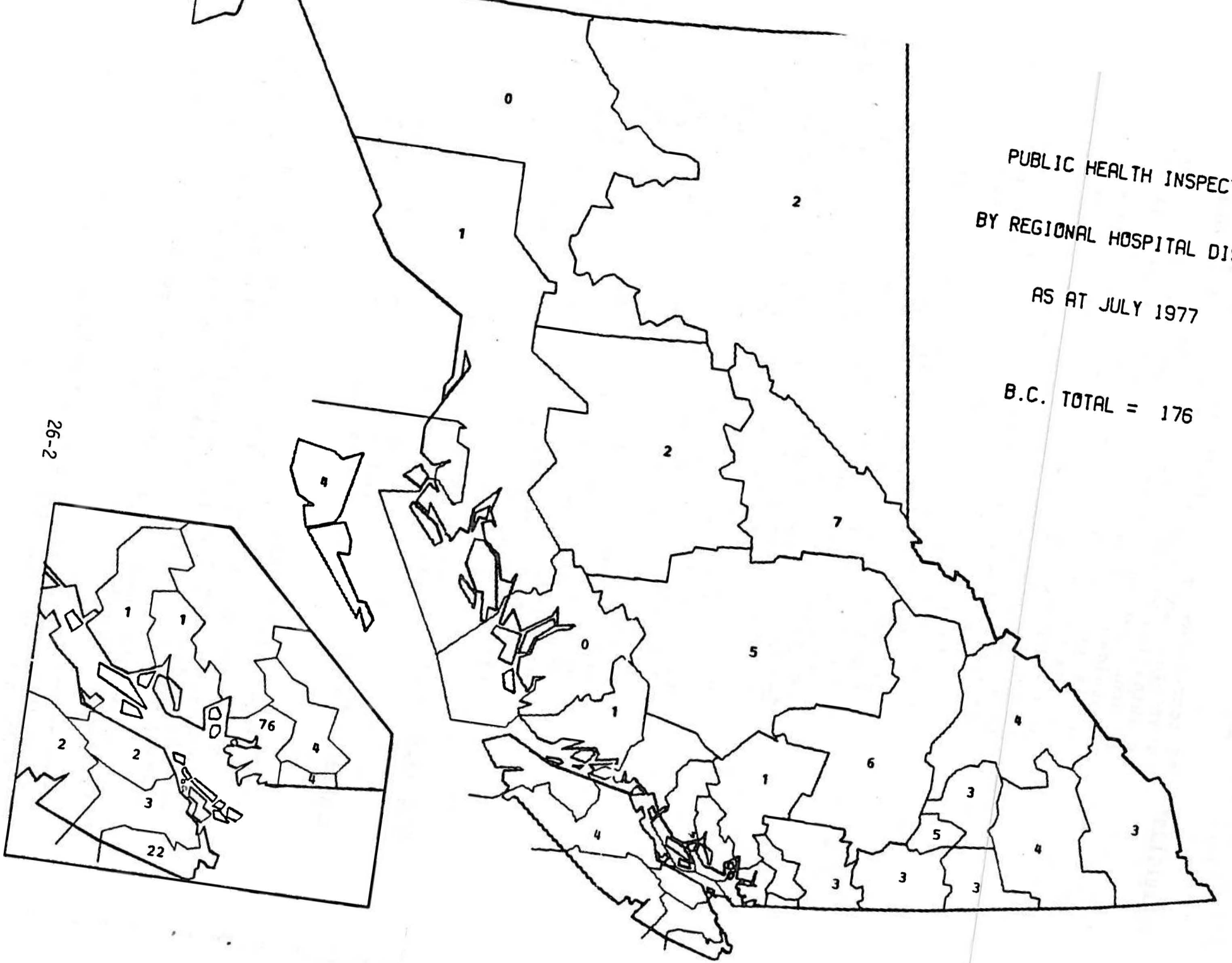
[1] Canadian Classification and Dictionary of Occupations 1971. vol. 1, p. 14, No. 1116-158.

PUBLIC HEALTH INSPECTORS

BY REGIONAL HOSPITAL DISTRICT

AS AT JULY 1977

B.C. TOTAL = 176



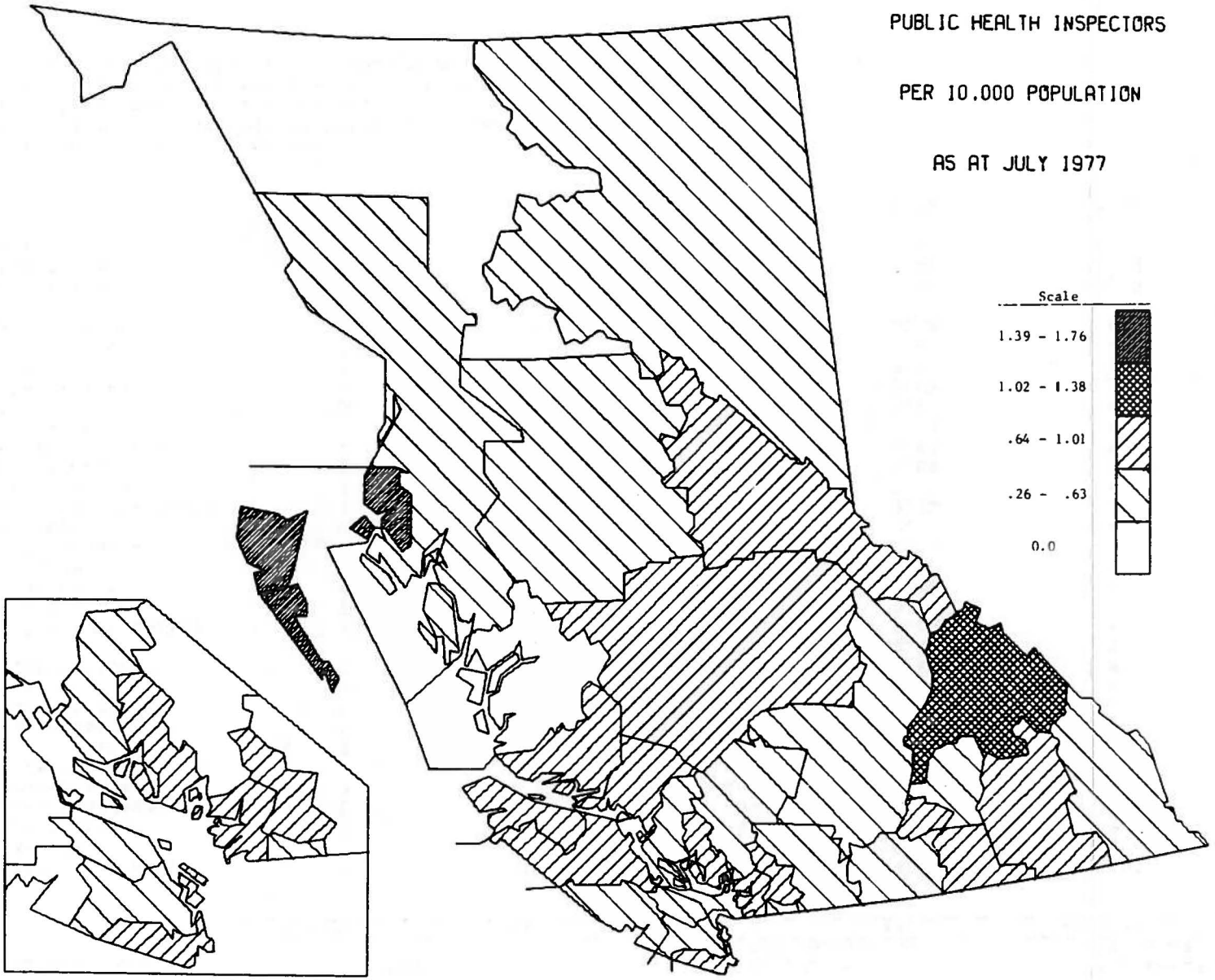

PUBLIC HEALTH INSPECTORS
PER 10,000 POPULATION
AS AT JULY 1977
Scale
1.39 - 1.76
1.02 - 1.38
.64 - 1.01
.26 - .63
0.0

Table 1

Number of Public Health Inspectors[1] in British Columbia

by Regional Hospital District

1975 and 1977

Regional Hospital District		Number		Number per 10,000 Population		Estimated Annual Rate of Change[2]	
		1975	1977	1975	1977	Number[3]	Ratio[4]
Non-Metropolitan - Subtotal		75	78	0.68	0.66	2.00	-1.48
1	East Kootenay	3	3	0.67	0.63	*	*
2	Central Kootenay	5	4	1.04	0.80	*	*
2a	Kootenay Boundary	2	3	0.63	0.94	*	*
3	Okanagan-Similkameen	3	3	0.60	0.56	*	*
4	Columbia-Shuswap	4	4	1.16	1.09	*	*
5	North Okanagan	3	3	0.68	0.61	*	*
6	Central Okanagan	5	5	0.75	0.66	*	*
7	Thompson-Nicola	6	6	0.68	0.63	*	*
8	Cariboo	4	5	0.81	0.92	*	*
9	Squamish-Lillooet	1	1	0.66	0.61	*	*
10	Fraser-Cheam	3	3	0.60	0.57	*	*
11	Central Fraser Valley	4	4	0.49	0.43	*	*
12	Dewdney-Alouette	1	4	0.20	0.73	*	*
14	Sunshine Coast	0	1	0.0	0.76	*	*
15	Powell River	3	1	1.54	0.50	*	*
16	Mount Waddington	1	1	0.83	0.78	*	*
16a	Central Coast	0	0	0.0	0.0	*	*
17	Skeena-Queen Charlotte	3	4	1.33	1.76	*	*
18	Kitimat-Stikine	2	1	0.52	0.26	*	*
19	Bulkley-Nechako	3	2	0.95	0.59	*	*
20	Fraser-Fort George	6	7	0.78	0.85	*	*
21	Peace River-Liard	3	2	0.67	0.44	*	*
22	Stikine	0	0	0.0	0.0	*	*
24	Cowichan Valley	2	3	0.44	0.62	*	*
25	Nanaimo	3	2	0.51	0.31	*	*
26	Alberni-Clayoquot	2	2	0.62	0.62	*	*
27	Comox-Strathcona	3	4	0.54	0.68	*	*
Metropolitan - Subtotal		106	98	0.82	0.74	-3.77	-4.92
13	Greater Vancouver	89	76	0.83	0.69	-7.30	-8.19
23	Capital	17	22	0.75	0.93	14.71	11.87
TOTAL		181	176	0.75	0.70	-1.38	-3.55

[1] Definitions are as in the attached text.
[2] A two year rate of change has been adjusted to an annual figure.
[3] Rate of change (in percent) in the number.
[4] Rate of change (in percent) in the number per 10,000 population.
* Indicates that the base for the rate of change was less than 10.

Prepared by:

Health Manpower Research Unit
University of B.C.

27. RADIOLOGICAL TECHNICIANS (MEMBERS)

Definition: (a) A Registered Technician in Diagnostic Radiography:

"Operates equipment with which radiographs are taken to demonstrate the anatomical structure of the body, as a visual aid to the radiologist in the diagnosis of illness or injury:
Explains to patient procedure to be carried out. Positions patient so that the part of the body undergoing investigation will show to the best advantage on film. Prepares drugs and chemical mixtures to be administered to patient by radiologist. Affixes shields and collimates the beam to protect parts of the body from exposure to X-rays. Adjusts controls to regulate length and intensity of exposure and takes radiograph. Processes films and prepares them for interpretation by radiologist. Assists radiologist in fluoroscopy, cine-fluoroscopy and other specific diagnostic procedures.
May take radiographs in operating theatre to assist surgeon. May specialize in a particular field of radiology, such as teaching." [1]

(b) A Registered Technician in Radiotherapy:

"Operates equipment to treat diseases by means of ionizing radiations; such as, X-rays, radium, radioactive cobalt, and other radioactive sources as prescribed or directed by radiologist:
Explains procedure to patient and reassures him. Positions patient according to part of body to be treated. Affixes shields to protect unaffected areas and collimates the beam. Adjusts special device on machine to direct the beam of radiation accurately and in absolute accordance with the instructions. Operates controls of machine from outside treatment room. Observes patient through window during treatment. Assists with the preparation of radium and other radioactive sources for insertion into the body cavities. Prepares patient for clinical examination and provides care as required. Carries out certain of

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[1] Canadian Classification and Dictionary of Occupations 1971. vol. 1, p. 132, No. 3155-114.

these procedures in operating theatre. May assist physicist and radiologist with mathematical and physical calculations required for a particular treatment plan." [1]

(c) A Registered Technician in Nuclear Medicine:

"Prepares stock of specific solutions and reagents of radioactive materials, carries out assays and quality control tests, and calculates doses to be administered by physician. Positions patient and calibrates equipment. Subjects patient to radiation scanning to produce photographic record or image of irradiated area. Traces radioactive doses and calculates blood volume and red cell survival, using equipment; such as, geiger counters, electroscopes, scalers, scintillation-and-position scanners and scintigrams. Observes oscilloscope as image appears. Studies photographed image to determine if further scanning is required. Performs radioisotope scanning of pathological specimens and blood samples." [2]

Date of Record: Location of home address as at June 1975 and June 1977.

Source of Data: B.C. Division of the Canadian Society of Radiological Technicians.

Preparation and Updating:

Radiological technicians do not have to be registered or licensed or join the B.C. Division to be employed. The tables are solely of active and inactive members with a B.C. address at the date of record.

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[1] Canadian Classification and Dictionary of Occupations 1971. vol. 1, p. 132, No. 3155-118.

[2] Canadian Classification and Dictionary of Occupations 1971. vol. 1, p. 131, No. 3155-110.

Definitions:

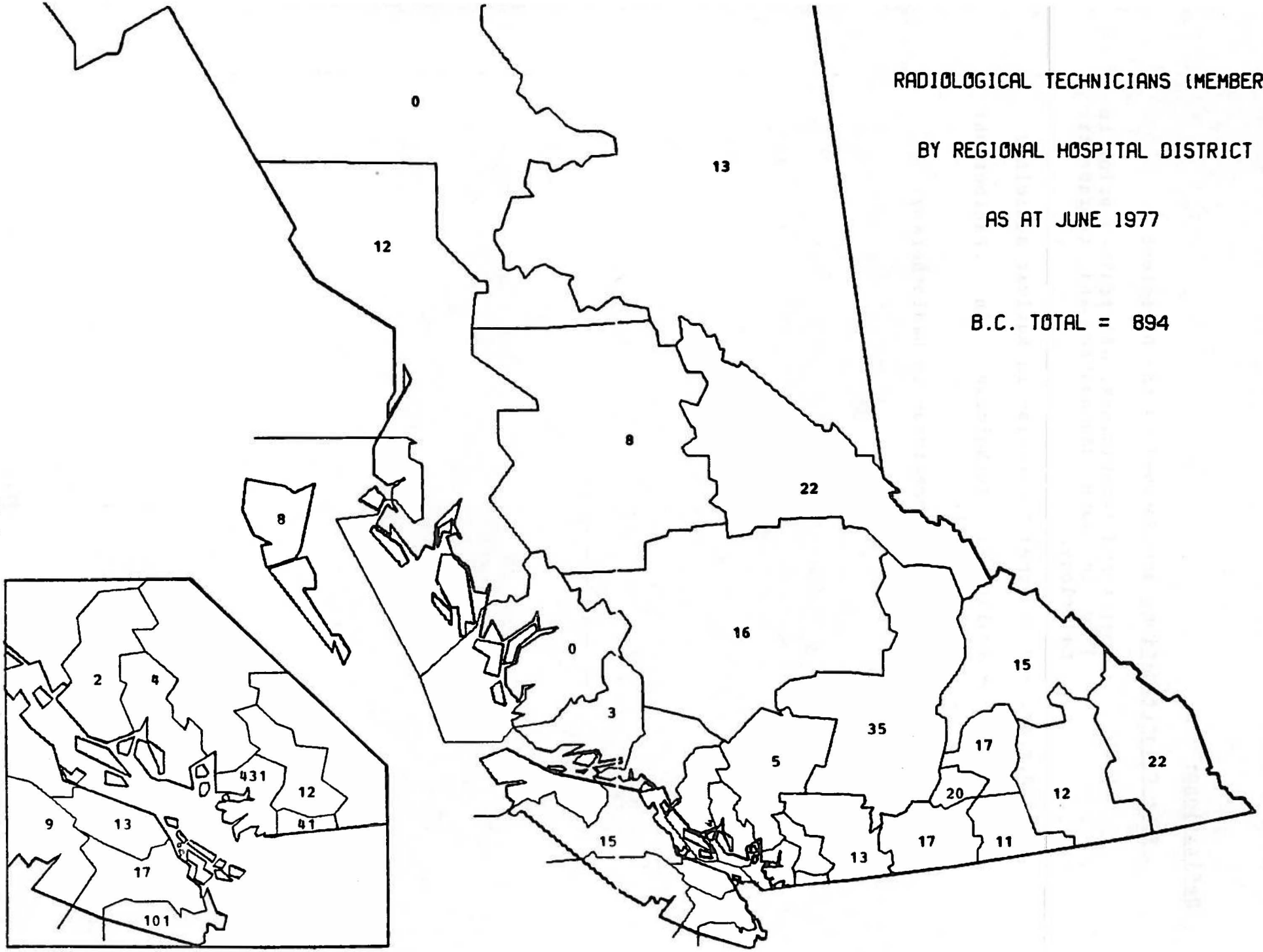
Four Classifications are defined by the Division:

R.T. - Registered Technicians, all trained prior to 1958 in both diagnostic and therapeutic radiology.

R.T.NM. - Registered Technician in Nuclear Medicine.

R.T.R. - Registered Technician in Radiography (diagnostic).

R.T.T. - Registered Technician in Radiotherapy.


RADIOLOGICAL TECHNICIANS (MEMBERS)
BY REGIONAL HOSPITAL DISTRICT
AS AT JUNE 1977
B.C. TOTAL = 894
0
13
12
8
22
8
16
0
15
3
35
5
17
22
20
12
15
13
17
11
2
4
431
12
41
9
13
17
101

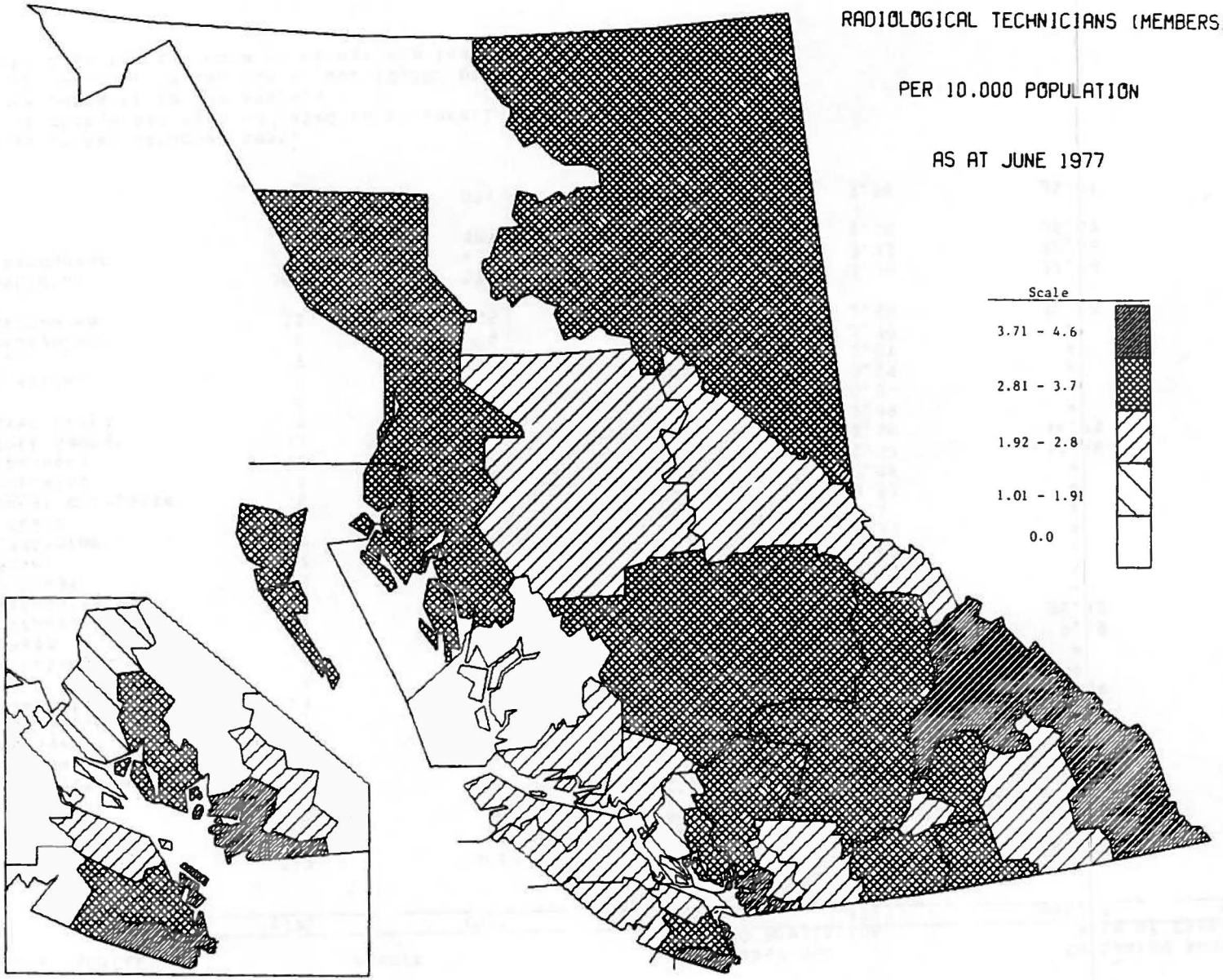

RADIOLOGICAL TECHNICIANS (MEMBERS)
PER 10,000 POPULATION
AS AT JUNE 1977
Scale
3.71 - 4.6
2.81 - 3.7
1.92 - 2.8
1.01 - 1.91
0.0

Table 1

Number of Radiological Technicians (Members)[1] in British Columbia

by Regional Hospital District

1975 and 1977

Regional Hospital District		Number		Number per 10,000 Population		Estimated Annual Rate of Change[2]	
		1975	1977	1975	1977	Number[3]	Ratio[4]
Non-Metropolitan - Subtotal		247	362	2.22	3.04	23.28	18.37
1	East Kootenay	18	22	3.99	4.60	11.11	7.67
2	Central Kootenay	4	12	0.83	2.41	*	*
2a	Kootenay Boundary	7	11	2.21	3.46	*	*
3	Okanagan-Similkameen	10	17	2.01	3.19	35.00	29.40
4	Columbia-Shuswap	7	15	2.02	4.10	*	*
5	North Okanagan	15	17	3.39	3.44	6.67	0.79
6	Central Okanagan	17	20	2.54	2.65	8.82	2.25
7	Thompson-Nicola	29	35	3.26	3.67	10.34	6.20
8	Cariboo	9	16	1.83	2.96	*	*
9	Squamish-Lillooet	3	5	1.97	3.07	*	*
10	Fraser-Cheam	11	13	2.18	2.48	9.09	6.70
11	Central Fraser Valley	24	41	2.93	4.37	35.42	24.55
12	Dewdney-Alouette	3	12	0.60	2.19	*	*
14	Sunshine Coast	3	4	2.51	3.06	*	*
15	Powell River	2	2	1.03	1.01	*	*
16	Mount Waddington	2	3	1.66	2.33	*	*
16a	Central Coast	0	0	0.0	0.0	*	*
17	Skeena-Queen Charlotte	6	8	2.66	3.52	*	*
18	Kitimat-Stikine	8	12	2.08	3.08	*	*
19	Bulkley-Nechako	11	8	3.49	2.37	-13.64	-16.00
20	Fraser-Fort George	17	22	2.22	2.66	14.71	9.93
21	Peace River-Liard	7	13	1.57	2.89	*	*
22	Stikine	0	0	0.0	0.0	*	*
24	Cowichan Valley	9	17	1.98	3.49	*	*
25	Nanaimo	7	13	1.18	2.01	*	*
26	Alberni-Clayoquot	6	9	1.87	2.79	*	*
27	Comox-Strathcona	12	15	2.17	2.54	12.50	8.34
Metropolitan - Subtotal		342	532	2.63	3.99	27.78	25.85
13	Greater Vancouver	276	431	2.57	3.93	28.08	26.46
23	Capital	66	101	2.93	4.28	26.52	23.17
TOTAL		589	894	2.44	3.54	25.89	22.50

[1] Definitions are as in the attached text.
[2] A two year rate of change has been adjusted to an annual figure.
[3] Rate of change (in percent) in the number.
[4] Rate of change (in percent) in the number per 10,000 population.
* Indicates that the base for the rate of change was less than 10.

Prepared by:

Health Manpower Research Unit
University of B.C.

Table 3.1

Number of Radiological Technicians (Members)[1] in British Columbia

by Classification by Regional Hospital District

as at June 1977

Regional Hospital District	R.T.	R.T.NM.	R.T.R.	R.T.T.	Other[2]	Total
Non-Metropolitan - Subtotal	42	13	302	0	5	362
1 East Kootenay	2	0	20	0	0	22
2 Central Kootenay	2	0	9	0	1	12
2a Kootenay Boundary	1	1	9	0	0	11
3 Okanagan-Similkameen	2	0	15	0	0	17
4 Columbia-Shuswap	1	2	12	0	0	15
5 North Okanagan	1	0	16	0	0	17
6 Central Okanagan	3	1	15	0	1	20
7 Thompson-Nicola	2	3	30	0	0	35
8 Cariboo	2	0	14	0	0	16
9 Squamish-Lillooet	0	0	5	0	0	5
10 Fraser-Cheam	2	0	11	0	0	13
11 Central Fraser Valley	2	2	36	0	1	41
12 Dewdney-Alouette	1	0	11	0	0	12
14 Sunshine Coast	1	0	3	0	0	4
15 Powell River	0	0	2	0	0	2
16 Mount Waddington	1	0	2	0	0	3
16a Central Coast	0	0	0	0	0	0
17 Skeena-Queen Charlotte	1	1	5	0	1	8
18 Kitimat-Stikine	1	0	11	0	0	12
19 Bulkley-Nechako	0	0	7	0	1	8
20 Fraser-Fort George	2	1	19	0	0	22
21 Peace River-Liard	0	0	13	0	0	13
22 Stikine	0	0	0	0	0	0
24 Cowichan Valley	4	1	12	0	0	17
25 Nanaimo	3	0	10	0	0	13
26 Alberni-Clayoquot	5	0	4	0	0	9
27 Comox-Strathcona	3	1	11	0	0	15
Metropolitan - Subtotal	100	39	353	24	16	532
13 Greater Vancouver	77	31	288	23	12	431
23 Capital	23	8	65	1	4	101
TOTAL	142	52	655	24	21	894

[1] Definitions are as in the attached text.
[2] Includes unknowns and combinations of R.T., R.T.NM., R.T.R., and R.T.T.

Prepared By:
Health Manpower Research Unit
University of B.C.

Table 3.2

Number of Radiological Technicians (Members)[1] in British Columbia per 10,000 Population by Classification by Regional Hospital District as at June 1977

Regional Hospital District		R.T.	R.T.NM.	R.T.R.	R.T.T.	Other[2]	Total
Non-Metropolitan - Subtotal		0.35	0.11	2.54	0.0	0.04	3.04
1	East Kootenay	0.42	0.0	4.18	0.0	0.0	4.60
2	Central Kootenay	0.40	0.0	1.81	0.0	0.20	2.41
2a	Kootenay Boundary	0.31	0.31	2.83	0.0	0.0	3.46
3	Okanagan-Similkameen	0.38	0.0	2.82	0.0	0.0	3.19
4	Columbia-Shuswap	0.27	0.55	3.28	0.0	0.0	4.10
5	North Okanagan	0.20	0.0	3.24	0.0	0.0	3.44
6	Central Okanagan	0.40	0.13	1.99	0.0	0.13	2.65
7	Thompson-Nicola	0.21	0.31	3.14	0.0	0.0	3.67
8	Cariboo	0.37	0.0	2.59	0.0	0.0	2.96
9	Squamish-Lillooet	0.0	0.0	3.07	0.0	0.0	3.07
10	Fraser-Cheam	0.38	0.0	2.10	0.0	0.0	2.48
11	Central Fraser Valley	0.21	0.21	3.83	0.0	0.11	4.37
12	Dewdney-Alouette	0.18	0.0	2.00	0.0	0.0	2.19
14	Sunshine Coast	0.76	0.0	2.29	0.0	0.0	3.06
15	Powell River	0.0	0.0	1.01	0.0	0.0	1.01
16	Mount Waddington	0.78	0.0	1.55	0.0	0.0	2.33
16a	Central Coast	0.0	0.0	0.0	0.0	0.0	0.0
17	Skeena-Queen Charlotte	0.44	0.44	2.20	0.0	0.44	3.52
18	Kitimat-Stikine	0.26	0.0	2.82	0.0	0.0	3.08
19	Bulkley-Nechako	0.0	0.0	2.08	0.0	0.30	2.37
20	Fraser-Fort George	0.24	0.12	2.30	0.0	0.0	2.66
21	Peace River-Liard	0.0	0.0	2.89	0.0	0.0	2.89
22	Stikine	0.0	0.0	0.0	0.0	0.0	0.0
24	Cowichan Valley	0.82	0.21	2.46	0.0	0.0	3.49
25	Nanaimo	0.46	0.0	1.55	0.0	0.0	2.01
26	Alberni-Clayoquot	1.55	0.0	1.24	0.0	0.0	2.79
27	Comox-Strathcona	0.51	0.17	1.86	0.0	0.0	2.54
Metropolitan - Subtotal		0.75	0.29	2.65	0.18	0.12	3.99
13	Greater Vancouver	0.70	0.28	2.63	0.21	0.11	3.93
23	Capital	0.98	0.34	2.76	0.04	0.17	4.28
TOTAL		0.56	0.21	2.60	0.10	0.08	3.54

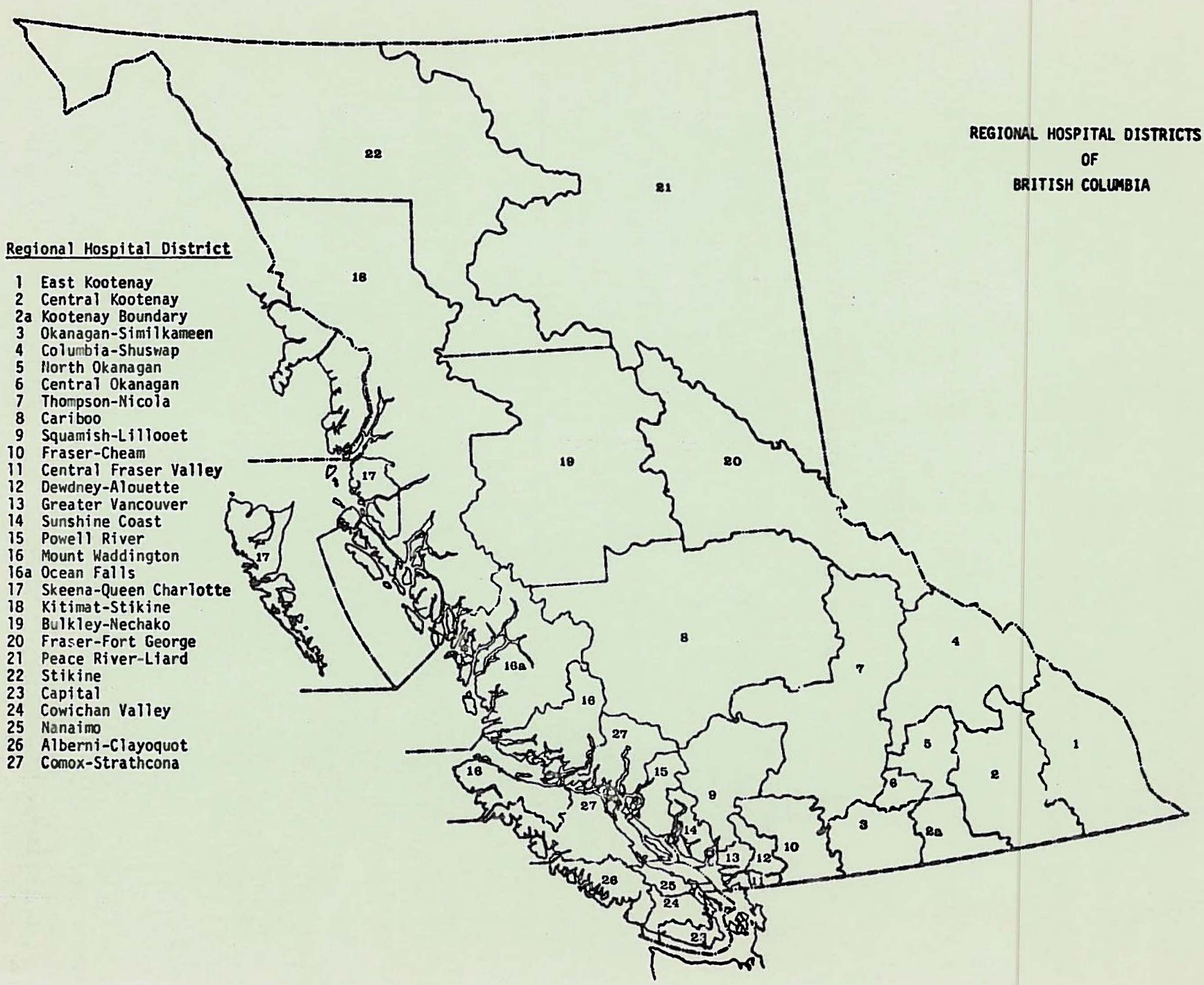
[1] Definitions are as in the attached text.
[2] Includes unknowns and combinations of R.T., R.T.NM., R.T.R., and R.T.T.

Prepared By:
Health Manpower Research Unit
University of B.C.

APPENDIX A

MAP OF REGIONAL HOSPITAL DISTRICTS

REGIONAL HOSPITAL DISTRICTS OF BRITISH COLUMBIA



APPENDIX B

POPULATION ESTIMATES
BY REGIONAL HOSPITAL DISTRICT

Population Estimates[1] for British Columbia

by Regional Hospital District

1975 and 1977

Regional Hospital District		1975[2]	1977[2]
Non-Metropolitan - Subtotal		1,110,916	1,190,632
1	East Kootenay	45,104	47,796
2	Central Kootenay	48,128	49,796
2a	Kootenay Boundary	31,644	31,768
3	Okanagan-Similkameen	49,766	53,274
4	Columbia-Shuswap	34,583	36,555
5	North Okanagan	44,296	49,424
6	Central Okanagan	67,039	75,469
7	Thompson-Nicola	88,851	95,401
8	Cariboo	49,164	54,068
9	Squamish-Lillooet	15,231	16,307
10	Fraser-Cheam	50,368	52,492
11	Central Fraser Valley	81,954	93,900
12	Dewdney-Alouette	49,963	54,897
14	Sunshine Coast	11,937	13,079
15	Powell River	19,426	19,870
16	Mount Waddington	12,062	12,890
16a	Central Coast	4,190	4,178
17	Skeena-Queen Charlotte	22,589	22,735
18	Kitimat-Stikine	38,440	38,996
19	Bulkley-Nechako	31,523	33,711
20	Fraser-Fort George	76,566	82,666
21	Peace River-Liard	44,673	45,011
22	Stikine	1,530	1,560
24	Cowichan Valley	45,478	48,722
25	Nanaimo	59,104	64,654
26	Alberni-Clayoquot	32,089	32,259
27	Comox-Strathcona	55,218	59,154
Metropolitan - Subtotal		1,299,294	1,332,374
13	Greater Vancouver	1,073,860	1,096,624
23	Capital	225,434	235,750
TOTAL		2,410,210	2,523,006

[1] Population figures for the years 1975 and 1977 are linear estimates of the 1971 and 1976 Canadian census data.

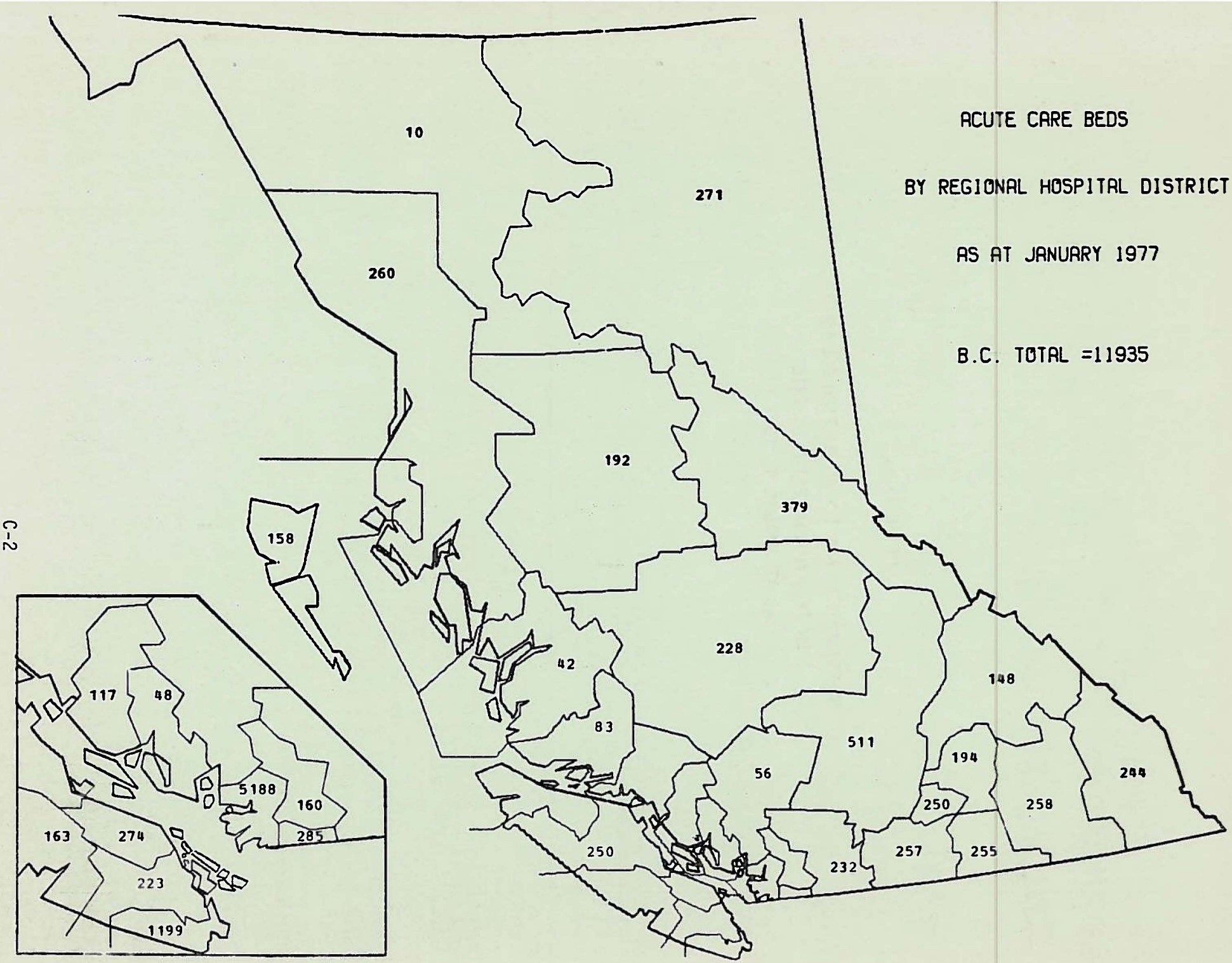
[2] Totals may not add due to rounding.

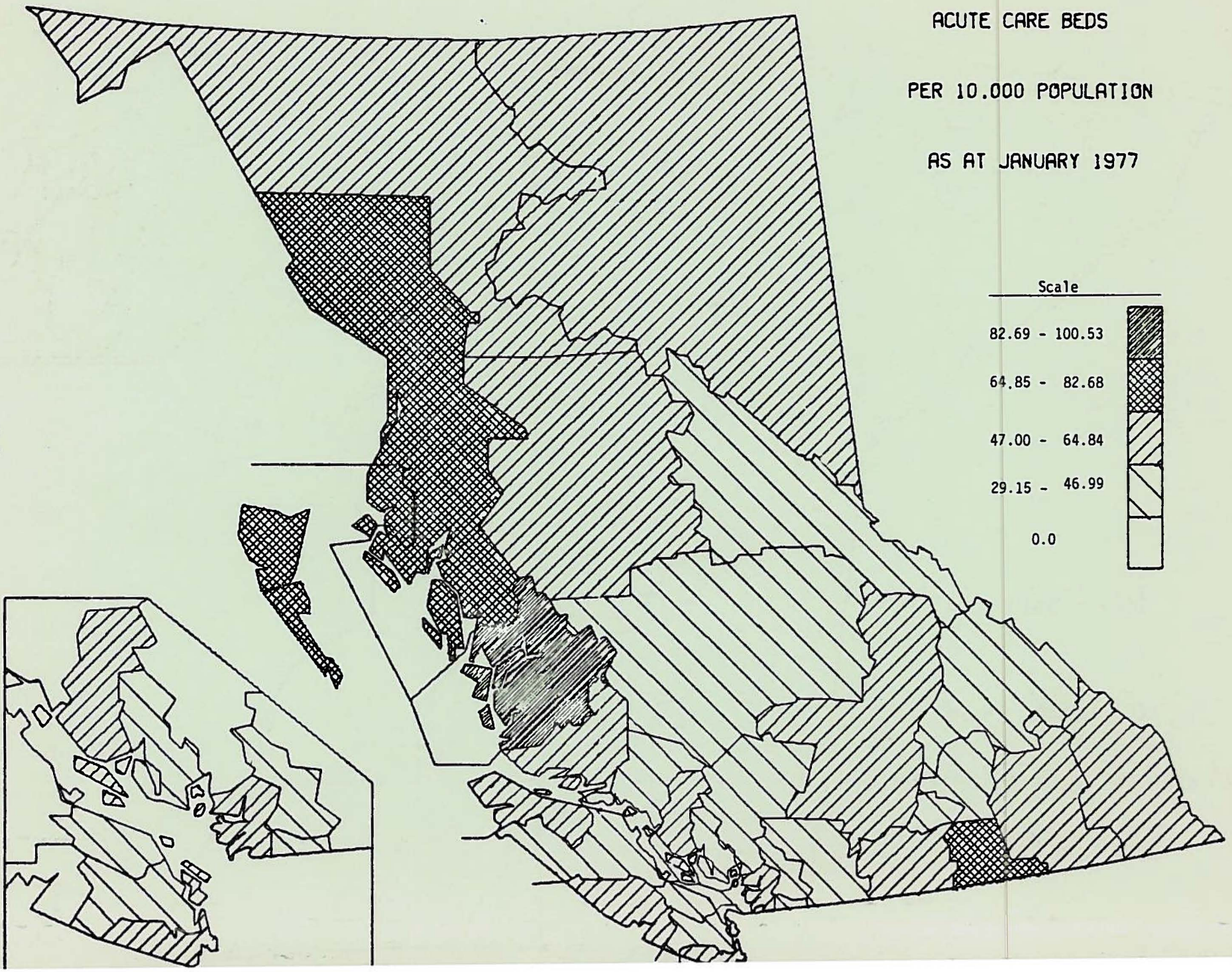
Prepared by:

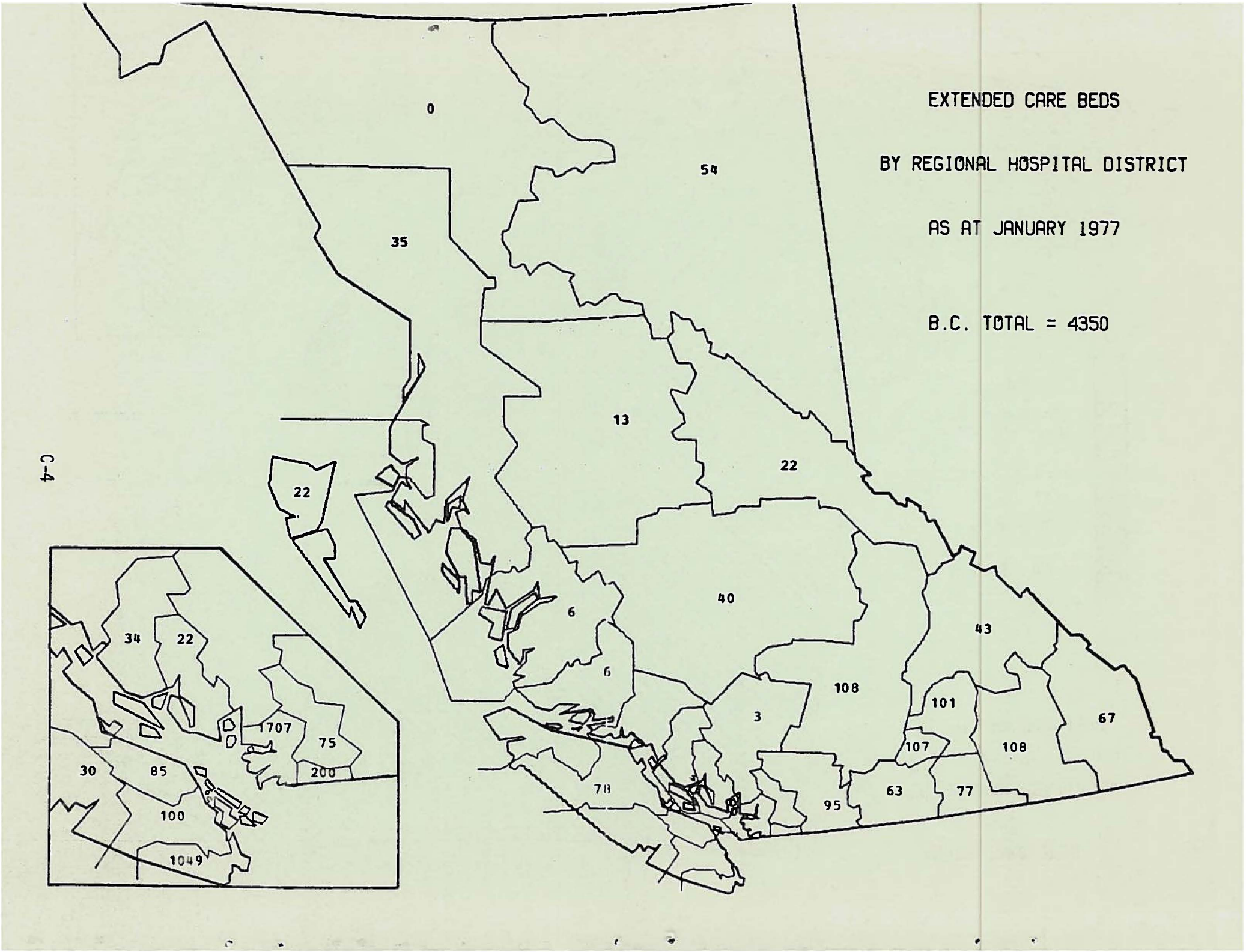
Health Manpower Research Unit
University of B.C.

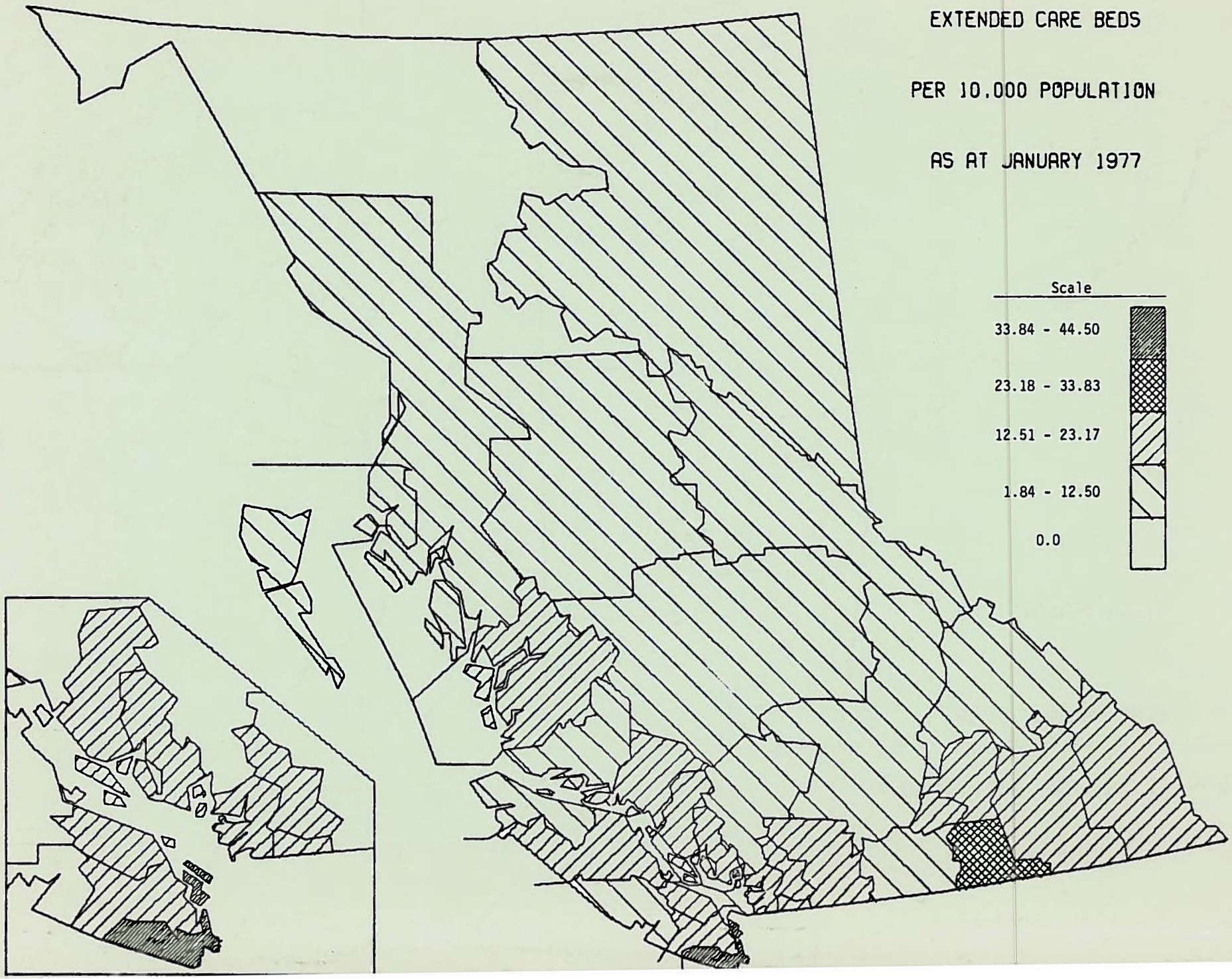
APPENDIX C

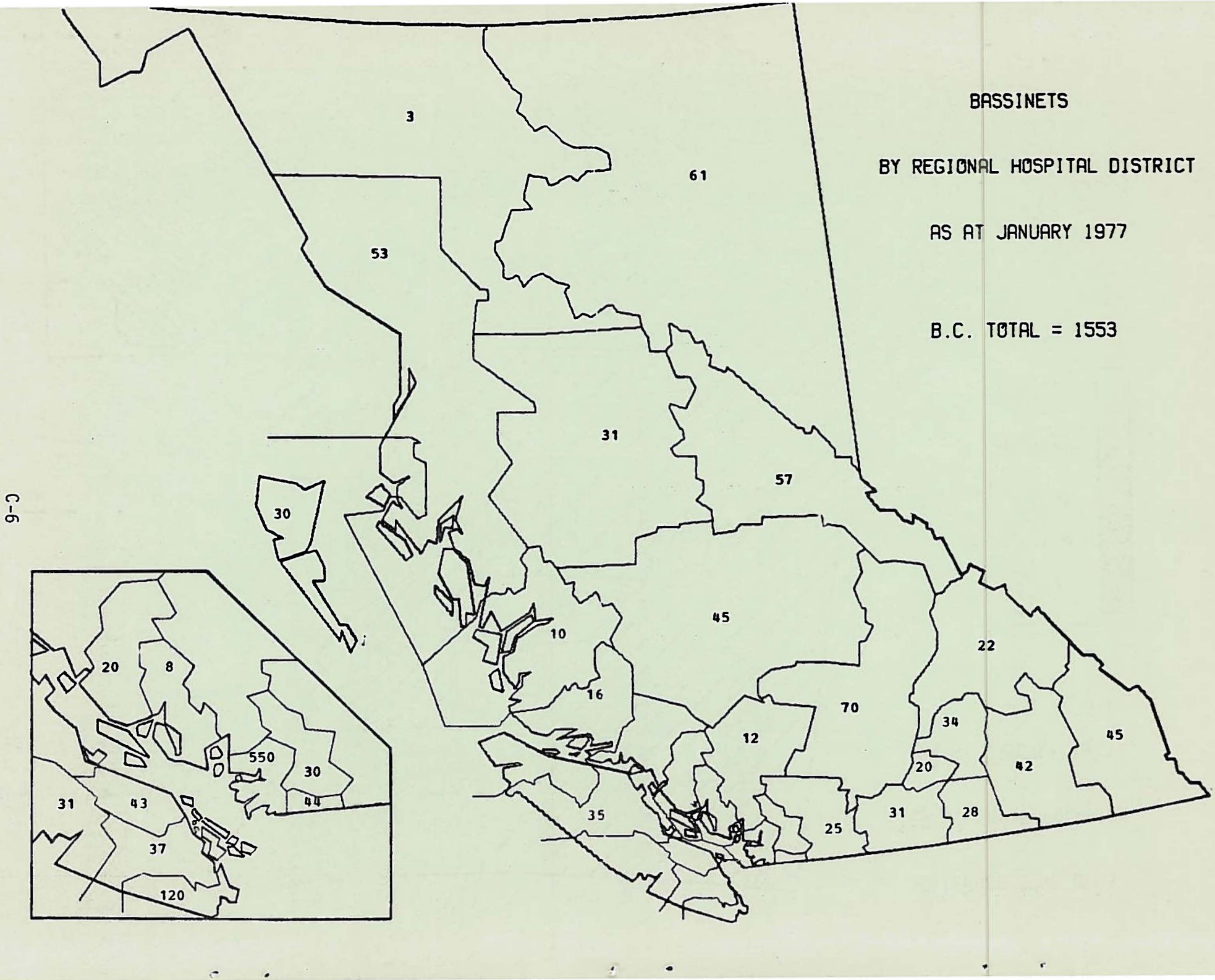
HOSPITAL BED CAPACITY IN BRITISH COLUMBIA
BY REGIONAL HOSPITAL DISTRICT
AS AT JANUARY 1, 1977

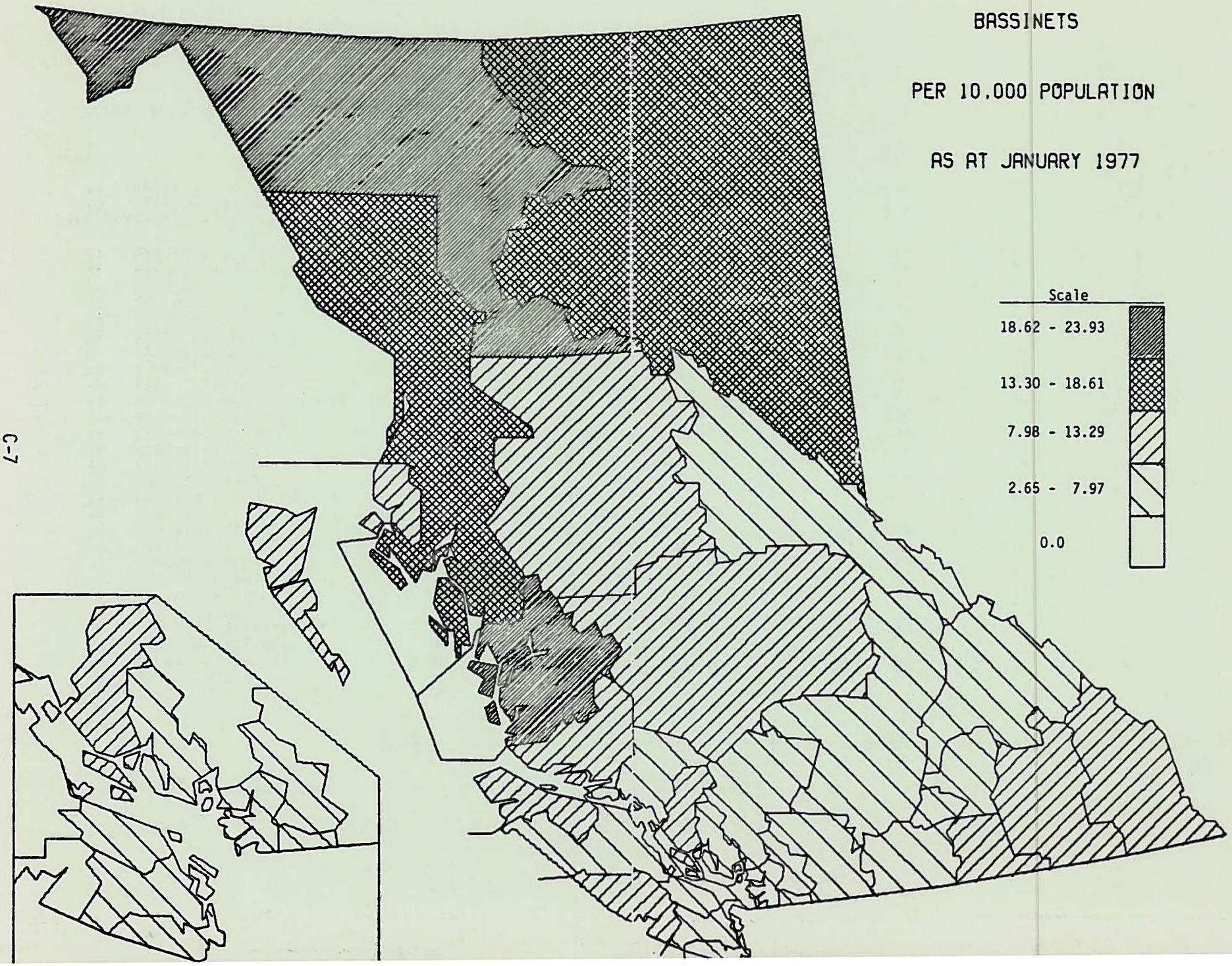

ACUTE CARE BEDS
BY REGIONAL HOSPITAL DISTRICT
AS AT JANUARY 1977
B.C. TOTAL =11935
10
271
260
192
379
158
228
42
148
83
511
56
194
244
5188
160
250
258
163
274
285
250
257
255
232
223
1199


ACUTE CARE BEDS
PER 10.000 POPULATION
AS AT JANUARY 1977
Scale
82.69 - 100.53
64.85 - 82.68
47.00 - 64.84
29.15 - 46.99
0.0


EXTENDED CARE BEDS
BY REGIONAL HOSPITAL DISTRICT
AS AT JANUARY 1977
B.C. TOTAL = 4350
0
54
35
13
22
22
40
6
6
43
108
3
101
67
107
108
78
95
63
77
34
22
1707
75
200
30
85
100
1049


EXTENDED CARE BEDS
PER 10,000 POPULATION
AS AT JANUARY 1977
Scale
33.84 - 44.50
23.18 - 33.83
12.51 - 23.17
1.84 - 12.50
0.0


BASSINETS
BY REGIONAL HOSPITAL DISTRICT
AS AT JANUARY 1977
B.C. TOTAL = 1553
3
61
53
31
57
30
45
10
22
16
70
34
12
45
20
42
35
31
28
25
20
8
550
30
31
43
44
37
120


BASSINETS
PER 10,000 POPULATION
AS AT JANUARY 1977
Scale
18.62 - 23.93
13.30 - 18.61
7.98 - 13.29
2.65 - 7.97
0.0

Rated Hospital Bed Capacity[1] in British Columbia

by Regional Hospital District

1974 and 1977

Regional Hospital District		Acute Care Beds		Extended Care Beds		Bassinets		Rehab. Hospital Beds	
		1974	1977	1974	1977	1974	1977	1974	1977
Non-Metropolitan - Subtotal		5281	5548	1060	1594	912	883	0	0
1	East Kootenay	226	244	50	67	45	45	0	0
2	Central Kootenay	247	258	98	108	60	42	0	0
2a	Kootenay Boundary	268	255	50	77	28	28	0	0
3	Okanagan-Similkameen	257	257	63	63	29	31	0	0
4	Columbia-Shuswap	150	148	41	43	30	22	0	0
5	North Okanagan	156	194	60	101	34	34	0	0
6	Central Okanagan	250	250	71	107	20	20	0	0
7	Thompson-Nicola	469	511	0	108	68	70	0	0
8	Cariboo	221	228	40	40	48	45	0	0
9	Squamish-Lillooet	51	56	0	3	12	12	0	0
10	Fraser-Cheam	226	232	77	95	25	25	0	0
11	Central Fraser Valley	230	285	125	200	44	44	0	0
12	Dewdney-Alouette	160	160	0	75	30	30	0	0
14	Sunshine Coast	45	48	22	22	8	8	0	0
15	Powell River	117	117	34	34	20	20	0	0
16	Mount Waddington	91	83	0	6	12	16	0	0
16a	Central Coast	56	42	4	6	10	10	0	0
17	Skeena-Queen Charlotte	161	158	22	22	26	30	0	0
18	Kitimat-Stikine	260	260	0	35	52	53	0	0
19	Bulkley-Nechako	183	192	6	13	31	31	0	0
20	Fraser-Fort George	287	379	0	22	57	57	0	0
21	Peace River-Liard	291	271	34	54	61	61	0	0
22	Stikine	10	10	0	0	3	3	0	0
24	Cowichan Valley	213	223	78	100	37	37	0	0
25	Nanaimo	274	274	85	85	43	43	0	0
26	Alberni-Clayoquot	163	163	30	30	35	31	0	0
27	Comox-Strathcona	219	250	70	78	44	35	0	0
Metropolitan - Subtotal		6317	6387	2048	2756	700	670	501	444
13	Greater Vancouver	5070	5188	1262	1707	580	550	326	297
23	Capital	1247	1199	786	1049	120	120	175	147
TOTAL		11598	11935	3108	4350	1612	1553	501	444

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

Prepared by:

Health Manpower Research Unit
University of B.C.

Rated Hospital Bed Capacity[1] in British Columbia

per 10,000 Population by Regional Hospital District

1974 and 1977

Regional Hospital District	Acute Care Beds		Extended Care Beds		Bassinets		Rehab. Hospital Beds	
	1974	1977	1974	1977	1974	1977	1974	1977
Non-Metropolitan - Subtotal	47.54	46.60	9.54	13.39	8.21	7.42	0.0	0.0
1 East Kootenay	50.11	51.05	11.09	14.02	9.98	9.42	0.0	0.0
2 Central Kootenay	51.32	51.81	20.36	21.69	12.47	8.43	0.0	0.0
2a Kootenay Boundary	84.69	80.27	15.80	24.24	8.85	8.81	0.0	0.0
3 Okanagan-Similkameen	51.64	48.24	12.66	11.83	5.83	5.82	0.0	0.0
4 Columbia-Shuswap	43.37	40.49	11.86	11.76	8.67	6.02	0.0	0.0
5 North Okanagan	35.22	39.25	13.55	20.44	7.68	6.88	0.0	0.0
6 Central Okanagan	37.29	33.13	10.59	14.18	2.98	2.65	0.0	0.0
7 Thompson-Nicola	52.78	53.56	0.0	11.32	7.65	7.34	0.0	0.0
8 Cariboo	44.95	42.17	8.14	7.40	9.76	8.32	0.0	0.0
9 Squamish-Lillooet	33.48	34.34	0.0	1.84	7.88	7.36	0.0	0.0
10 Fraser-Cheam	44.87	44.20	15.29	18.10	4.96	4.76	0.0	0.0
11 Central Fraser Valley	28.06	30.35	15.25	21.30	5.37	4.69	0.0	0.0
12 Dewdney-Alouette	32.02	29.15	0.0	13.66	6.00	5.46	0.0	0.0
14 Sunshine Coast	37.70	36.70	18.43	16.82	6.70	6.12	0.0	0.0
15 Powell River	60.23	58.88	17.50	17.11	10.30	10.07	0.0	0.0
16 Mount Waddington	75.44	64.39	0.0	4.65	9.95	12.41	0.0	0.0
16a Central Coast	133.65	100.53	9.55	14.36	23.87	23.93	0.0	0.0
17 Skeena-Queen Charlotte	71.27	69.50	9.74	9.68	11.51	13.20	0.0	0.0
18 Kitimat-Stikine	67.64	66.67	0.0	8.98	13.53	13.59	0.0	0.0
19 Bulkley-Nechako	58.05	56.95	1.90	3.86	9.83	9.20	0.0	0.0
20 Fraser-Fort George	37.48	45.85	0.0	2.66	7.44	6.90	0.0	0.0
21 Peace River-Liard	65.14	60.21	7.61	12.00	13.65	13.55	0.0	0.0
22 Stikine	65.36	64.10	0.0	0.0	19.61	19.23	0.0	0.0
24 Cowichan Valley	46.84	45.77	17.15	20.52	8.14	7.59	0.0	0.0
25 Nanaimo	46.36	42.38	14.38	13.15	7.28	6.65	0.0	0.0
26 Alberni-Clayoquot	50.80	50.53	9.35	9.30	10.91	9.61	0.0	0.0
27 Comox-Strathcona	39.66	42.26	12.68	13.19	7.97	5.92	0.0	0.0
Metropolitan - Subtotal	48.62	47.94	15.76	20.68	5.39	5.03	3.86	3.33
13 Greater Vancouver	47.21	47.31	11.75	15.57	5.40	5.02	3.04	2.71
23 Capital	55.32	50.86	34.87	44.50	5.32	5.09	7.76	6.24
TOTAL	48.12	47.30	12.90	17.24	6.69	6.16	2.08	1.76

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

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Number of Pharmacies[1] in British Columbia

by Regional Hospital District

1975 and 1977

Regional Hospital District	Number		Number per 10,000 Population		Est'd Annual Rate of Change	
	1975	1977	1975	1977	Number[2]	Ratio[3]
Non-Metropolitan - Subtotal	227	242	2.04	2.03	3.30	-0.26
1 East Kootenay	12	13	2.66	2.72	4.17	1.12
2 Central Kootenay	11	12	2.29	2.41	4.55	2.72
2a Kootenay Boundary	8	8	2.53	2.52	*	*
3 Okanagan-Similkameen	11	12	2.21	2.25	4.55	0.95
4 Columbia-Shuswap	6	8	1.73	2.19	*	*
5 North Okanagan	10	11	2.26	2.23	5.00	-0.71
6 Central Okanagan	14	15	2.09	1.99	3.57	-2.41
7 Thompson-Nicola	22	20	2.48	2.10	-4.55	-7.67
8 Cariboo	8	9	1.63	1.66	*	*
9 Squamish-Lillooet	4	4	2.63	2.45	*	*
10 Fraser-Cheam	10	11	1.99	2.10	5.00	2.77
11 Central Fraser Valley	15	15	1.83	1.60	0.0	-6.36
12 Dewdney-Alouette	10	10	2.00	1.82	0.0	-4.49
14 Sunshine Coast	6	4	5.03	3.06	*	*
15 Powell River	3	3	1.54	1.51	*	*
16 Mount Waddington	2	3	1.66	2.33	*	*
16a Central Coast	0	1	0.0	2.39	*	*
17 Skeena-Queen Charlotte	5	5	2.21	2.20	*	*
18 Kitimat-Stikine	8	8	2.08	2.05	*	*
19 Bulkley-Nechako	7	8	2.22	2.37	*	*
20 Fraser-Fort George	12	12	1.57	1.45	0.0	-3.69
21 Peace River-Liard	8	8	1.79	1.78	*	*
22 Stikine	0	0	0.0	0.0	*	*
24 Cowichan Valley	8	9	1.76	1.85	*	*
25 Nanaimo	12	14	2.03	2.17	8.33	3.33
26 Alberni-Clayoquot	7	8	2.18	2.48	*	*
27 Comox-Strathcona	8	11	1.45	1.86	*	*
Metropolitan - Subtotal	278	289	2.14	2.17	1.98	0.69
13 Greater Vancouver	229	238	2.13	2.17	1.97	0.89
23 Capital	49	51	2.17	2.16	2.04	-0.24
TOTAL	505	531	2.10	2.10	2.57	0.22

[1] Not including Hospital and Special Pharmacies.
[2] Rate of change (in percent) in the number.
[3] Rate of change (in percent) in the number per 10,000 population.
[4] A two year rate of change has been adjusted to an annual figure.
* Indicates that the base for the rate of change was less than 10.

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University of B.C.

APPENDIX E

DISPENSING OPTICIAN OUTLETS
BY REGIONAL HOSPITAL DISTRICT

Number of Dispensing Optician Outlets[1]

in British Columbia by Regional Hospital District

for 1976 & 1977

Regional Hospital District		Number
1	East Kootenay	2
2	Central Kootenay	1
2a	Kootenay Boundary	3
3	Okanagan-Similkameen	5
4	Columbia-Shuswap	2
5	North Okanagan	6
6	Central Okanagan	8
7	Thompson-Nicola	11
8	Cariboo	2
9	Squamish-Lillooet	1
10	Fraser-Cheam	6
11	Central Fraser Valley	5
12	Dewdney-Alouette	3
13	Greater Vancouver	103
14	Sunshine Coast	0
15	Powell River	1
16	Mount Waddington	0
16a	Central Coast	0
17	Skeena-Queen Charlotte	2
18	Kitimat-Stikine	0
19	Bulkley-Nechako	0
20	Fraser-Fort George	6
21	Peace River-Liard	0
22	Stikine	0
23	Capital	18
24	Cowichan Valley	3
25	Nanaimo	5
26	Alberni-Clayoquot	1
27	Comox-Strathcona	2
	TOTAL	196

[1] Dispensing Optician Outlets as advertised in the Yellow Pages of the B.C. Telephone Books. (1976/1977)

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