

Health manpower in hospitals

RADIOLOGICAL TECHNICIANS

1961-68

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Health Manpower in Hospitals, Radiological Technicians

1961-68

ERRATA

Page 7. Explanatory Notes and Glossary

Public Hospital should read Private Hospital

Additional definition:

Public Hospital

Recognized by the province as a "public hospital" which is not operated for profit and accepts all patients regardless of ability to pay.

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Health and Welfare Division

Institutions Section

HEALTH MANPOWER IN HOSPITALS

RADIOLOGICAL TECHNICIANS

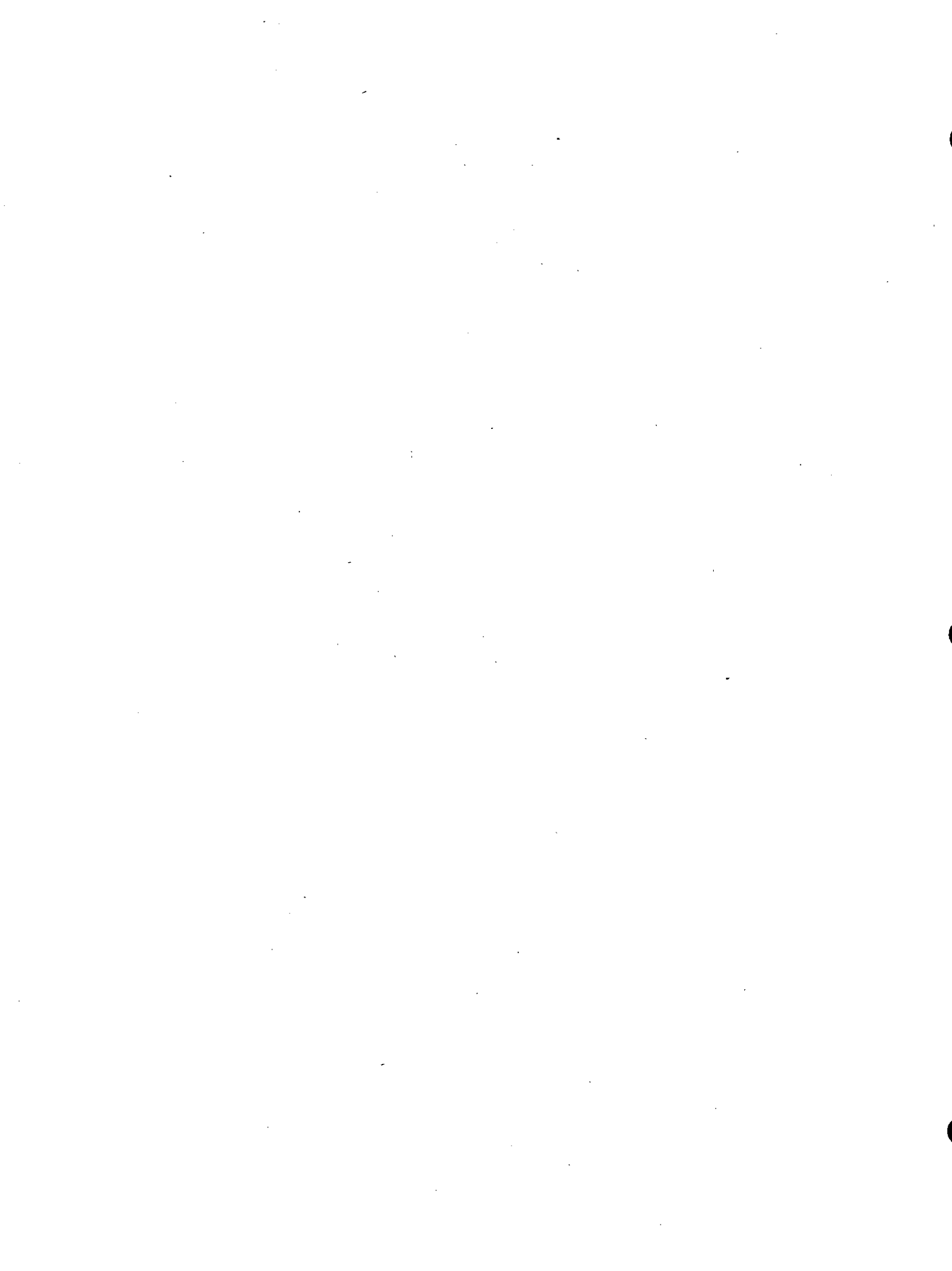
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PREFACE

A series of occasional reports under the general title of *Health Manpower in Hospitals* have been produced by the Institutions Section, Health and Welfare Division, DBS. These reports form part of the over-all Institutions Section series of surveys and reports on Health and Welfare Manpower including the Annual Salary Surveys series relating to Hospital Nursing Personnel and Public Health Nurses.

These reports which are based upon published and unpublished tabulations of the Institutions Section and upon other DBS data are designed to provide an in-depth study on many of the various professional and technical categories of personnel in Canadian hospitals. The data are drawn from the detailed information collected on the Annual Returns of Hospitals (HS-1 and HS-2) from 1961 onwards and reflect such items as changes in employment patterns, workloads, turnover rates, etc., for each province and Canada.

Contained in these reports are brief textual highlights and tables of historical comparisons, as well as definitions of terms (where required). The volume of data presented varies according to the availability of detail on each professional or technical group. The reports will be up-dated periodically.

In addition to a general publication, i.e., *Health Manpower in Hospitals - General, 1961-68* (Catalogue No. 83-507), which gives the reader a general background of trends in hospital manpower, there are a number of publications dealing with a particular group of hospital personnel (see back cover of this report).

WALTER E. DUFFETT,
Dominion Statistician.



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SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.
- amount too small to be expressed.
- Ⓕ preliminary figures.
- Ⓡ revised figures.

EXPLANATORY NOTES AND GLOSSARY

Hospital

An institution which is operated for the medical, surgical and/or obstetrical care of in-patients, and which is licenced or approved as a hospital by the federal and/or a provincial government, or by a municipality duly authorized under the laws of the province. Specifically excluded are institutions primarily for tuberculosis, mental disease, and mental defect.

Public Hospital

Recognized by the province as a "private hospital" which generally restricts its admissions to patients paying for the care provided at rates determined by the management.

Federal Hospital

A hospital owned and operated by the Government of Canada; operation will either be by the Department of National Health and Welfare, the Department of National Defence, or the Department of Veterans Affairs.

General Hospital

A hospital which provides for the treatment and care of all types of diseases or at least a wide range of conditions.

Allied Special Hospital

Includes chronic, convalescent, rehabilitation and "other" hospitals.

Rated Bed Capacity

The number of beds that the hospital is designed to accommodate as at December 31 of the reporting year, on the basis of established standards of floor area per bed.

Size of Hospital

The size of a hospital in this report is determined by the rated bed capacity on December 31 of the reporting year.

Full-time Staff

Persons employed on a full-time basis at December 31, i.e., regularly employed throughout the full hospital workweek.

Part-time Staff

Persons employed on a part-time basis at December 31, i.e., regularly employed on selected days or partial days in the hospital workweek.

Staff Separation

The departure of an employee from employment within the hospital.

Paid Hours

Accumulated during the year, paid hours include full-time and part-time regular employees of the hospital who have had salaries and wages payable to them by the hospital.

Revenue Fund

The Revenue Fund is set up to record monetary activities associated with the day-to-day operations of the hospital in providing services to patients. It is sometimes called the Operating Fund.

Revenue Fund Expense.—Revenue Fund Expense is the cost, on an accrual basis, of operating and maintaining the hospital during the year, regardless of the amounts of disbursements made during the year.

Salaries and Wages.—Included are the gross salaries and wages earned during the year by all hospital personnel whether or not actually paid during the year. Gross salaries and wages comprise the following:

- (1) Salaries, wages and other remuneration earned by paid personnel, including special allowances paid and perquisites supplied to such personnel; includes also any earned fees or other remuneration perquisites, and special allowances to physicians or therapists for services rendered to the hospital.
- (2) The value of contributed services of regular staff members working without pay, and of perquisites supplied to such personnel, calculated on the basis of salary scales of similar services in the community and supported by regular payroll records.

In-patients

Patients who are duly admitted to the hospital and to whom a bed or bassinet has been allocated. (This category excludes stillbirths as well as patients attending a day or night centre attached to the hospital).

Adults and children.—All in-patients except newborn.

Admission.—The formal acceptance and reception of a person as an in-patient (including newborn).

Patient-day.—The period of service to an in-patient between the census-taking hours on two successive days; the day of admission is counted as a patient-day but the day of separation is not.

Population

June 1 population figures as enumerated in Census years or estimated for inter-censal years.

Radiological Technicians

Personnel registered with the Canadian Society of Radiological Technicians or the American Registry of Radiological Technicians as qualified radiological technicians.

Combined Laboratory and Radiological Technicians

Personnel who successfully completed a provincially-approved course for combined laboratory and radiological technicians.

Radiology

Examination.—The procedure involving one completed film or series of films, or one or more exposures for fluoroscopy, directed at one anatomical site or region of the body during one attendance of the patient at the X-ray department.

INTRODUCTION

This report, which is one of the series of statistical reports on Health Manpower in Canada, relates to qualified radiological technicians employed in reporting general and allied special hospitals¹ in Canada for the years 1961 to 1968 inclusive. In addition to this report, and others which deal with specific professional and technical groups, a general publication, *Health Manpower in Hospitals, General, 1961-68* (Catalogue No. 83-507), which enables the reader to observe trends in total manpower of Canadian hospitals is available.

Data included in this publication pertain to general and allied special hospitals and are arranged into the following areas: absolute counts of personnel, separations and paid hours, turnover rates and various ratios relating radiology productivity, personnel and costs to over-all hospital activity. The

data have been organized historically to bring out trends.

Hospitals reporting data for qualified radiological technicians, generally, have been increasing in number. In 1962, the number of reporting hospitals was 506 (40.5 per cent of all operating general and allied special hospitals) while in 1968 the absolute number reporting was 632 (49.8 per cent) (Table 1). From 1962 to 1968, most of the operating public general hospitals with 100 beds or more reported information relating to qualified radiological technicians. In the case of public general hospitals under 100 beds in size, the number reporting decreased in direct relationship to the size of the hospital. Provincially, Quebec and Ontario together have accounted for most of the hospitals reporting data on qualified radiological technicians, averaging about 55.0 per cent over 1962-68.

HIGHLIGHTS

Qualified Radiological Technicians

The total number of qualified radiological technicians² in reporting general and allied special hospitals in Canada has increased 111.3 per cent from 1,573 in 1961 to 3,323 in 1968. For every 100,000 population in Canada, the number of technicians has climbed steadily from a rate of 8.6 in 1961 to 16.0 in 1968 (Table 3). During this period, the highest rate per 100,000 population in the provinces was maintained by Nova Scotia.

Of the total number of technicians reported in general and allied special hospitals during the years 1961-68, over nine-tenths were employed on a full-time basis. Provincially, Quebec and Ontario combined accounted for about two thirds of reported full-time technicians. For all years covered, public general hospitals with 500-999 beds reported more full-time technicians than any other size-group of hospital.

When the number of technicians were looked at as a percentage of total hospital personnel, it was found that from 1961 to 1968 the rate of full-time technicians to full-time hospital staff has climbed gradually from 0.80 per cent to 1.18 per cent (Table 2). At the provincial level, Nova Scotia has maintained the highest rate of full-time technicians to full-time hospital personnel, ranging from 1.36 per cent in 1961 to 2.07 per cent in 1966, while Manitoba has shown the lowest rate, varying from 0.46 per cent in 1962 to 0.80 per cent in 1967.

Turnover rates of full-time technicians in Canadian general and allied special hospitals have declined from 45.9 per cent in 1962 to 29.2 per cent in 1968 (Table 4). It should be noted, however, that the rates for 1962 are inflated somewhat, the reason

being that the counts of separations for the year 1962 include some unqualified radiological technicians; for the remaining years, separations relate solely to qualified technicians. Thus, looking at the years 1963-68 the turnover rate has decreased less significantly, going from 32.3 per cent to 29.2 per cent. No discernible pattern of turnover emerged when public general hospitals by bed size were examined. At the provincial level, Alberta (for the years 1963-66 and 1968) displayed the highest rates of turnover for technicians, while each of the Maritime provinces, at one time or another, showed the lowest rates (Nova Scotia for the year 1962, Newfoundland-1963 and 1965, New Brunswick-1964, 1966 and 1967, and Prince Edward Island-1967).

Paid hours reported for technicians employed in general and allied special hospitals in Canada have increased by 73.9 per cent from 3,600,904 in 1963 to 6,262,757 in 1968. In the radiology department as a whole, paid hours per 100 patient-days climbed to 40.6 in 1968 from 31.0 in 1961 (+31.0 per cent). For total hospital personnel the ratio of paid hours per patient-day has advanced 17.2 per cent from 11.6 in 1961 to 13.6 in 1968 (Table 8).

Workload over the period 1961-68 in the radiology departments of reporting general and allied special hospitals in Canada has been increasing. Reflecting this trend, the number of diagnostic radiology examinations for in-patients per 100 patient-days has climbed from 10.8 in 1964 to 12.3 in 1968 (+13.9 per cent). For every 100 admissions to general and allied special hospitals the number of routine chest X-ray examinations increased from 33.0 in 1961 to 35.7 in 1968 (+8.2 per cent), and the number of radiographic examinations (excluding routine chest X-rays) for in-patients advanced from 84.4 in 1962 to 117.6 in 1968 (+39.3 per cent) (Table 10). Generally, the ratio of radiographic

¹ Public, private and federal, unless otherwise specified, this reference is implied throughout.

² Hereinafter, referred to simply as "technicians".

examinations for in-patients per 100 admissions increased in direct relationship with the size of the public general hospital.

In reporting public general and allied special hospitals radiology department salary cost³ per patient-day went from \$0.46 in 1963 to \$0.94 in 1968, an increase of 104.3 per cent, whereas the total hospital salary cost per patient-day increased 76.0 per cent from \$17.14 in 1963 to \$30.16 in 1968 (Table 12). When the former was taken as a percentage of the latter, the resultant proportion was found to have advanced from 2.7 per cent in 1963 to 3.1 per cent in 1968. Of total Revenue Fund expenditure per patient-day, the ratio of radiology salaries per patient-day represented 1.7 per cent in 1963 and 2.1 per cent in 1968. For the most part, radiology department salary cost per patient-day was highest in the 500-999 bed-size public general hospitals.

Salary cost per examination in the radiology department climbed by 39.4 per cent from \$2.59 in 1964 to \$3.61 in 1968 (Table 13). This ratio was highest in the largest public general hospitals. When this ratio was looked at as a percentage of radiology department direct cost per examination over the period 1964 to 1968, it was found to increase gradually from 37.3 per cent to 39.7 per cent.

³ Excludes radiologist remuneration.

Qualified Combined Laboratory and Radiological Technicians

In addition to qualified radiological technicians there have been an increasing number of qualified combined laboratory and radiological technicians⁴ reported by general and allied special hospitals in Canada during the years 1961-68, i.e., the number of combined technicians has increased 86.3 per cent from 131 in 1961 to 244 in 1968. Over the years covered, full-time combined technicians have represented from 82.4 per cent (for the year 1967) to 94.2 per cent (1964) of total combined technicians employed (Table 14). The greatest proportion of these combined technicians were found to be in public general hospitals under 100 beds in size. At the provincial level, Saskatchewan and Alberta together consistently accounted for the majority of combined technicians employed in general and allied special hospitals; only in 1963, when the proportion of combined technicians amounted to 48.8 per cent of the reported total for Canada, did these two provinces not have a greater proportion.

Paid hours reported by general and allied special hospitals in Canada for combined technicians have decreased 21.8 per cent from 551,409 in 1962 to 430,936 in 1968 (Table 14).

⁴ Hereinafter referred to as "combined technician".

TABLE 1. Hospitals Operating and Reporting,¹ by Province, 1961 - 68

Province	1961		1962		1963		1964	
	Operating	Reporting	Operating	Reporting ²	Operating	Reporting	Operating	Reporting
Canada								
Public general by bed size	856	..	832	456	838	444	845	472
1 - 9 beds	73	..	49	1	48	-	37	-
10 - 24 "	219	..	208	16	203	13	202	11
25 - 49 "	196	..	189	89	190	79	194	85
50 - 99 "	130	..	133	110	138	103	140	112
100 - 199 "	121	..	126	117	127	120	131	127
200 - 299 "	45	..	49	45	49	47	55	52
300 - 499 "	40	..	45	45	45	44	48	47
500 - 999 "	26	..	26	26	31	31	31	31
1,000 + "	6	..	7	7	7	7	7	7
All hospitals								
Canada	1,230	..	1,250	506	1,250	520	1,269	553
Newfoundland	42	..	43	5	44	7	46	7
Prince Edward Island	9	..	9	4	9	4	9	4
Nova Scotia	53	..	53	34	52	31	51	34
New Brunswick	41	..	40	24	40	23	39	23
Quebec	288	..	260	101	262	133	266	144
Ontario	278	..	319	166	312	157	317	170
Manitoba	102	..	102	29	101	24	102	24
Saskatchewan	162	..	159	39	157	38	155	38
Alberta	124	..	126	39	131	41	141	42
British Columbia	109	..	110	63	111	58	112	64
Yukon	3	..	5	1	5	1	5	1
Northwest Territories	19	..	24	1	26	3	26	2
1965								
1966								
1967								
1968								
	Operating	Reporting	Operating	Reporting	Operating	Reporting	Operating	Reporting
Canada								
Public general by bed size	852	496	869	526	874	536	881	549
1 - 9 beds	36	-	33	-	32	-	32	-
10 - 24 "	203	13	204	17	206	19	200	21
25 - 49 "	192	91	197	93	196	96	201	102
50 - 99 "	144	119	149	134	147	133	145	126
100 - 199 "	130	127	128	126	128	125	130	128
200 - 299 "	58	57	63	62	67	65	70	70
300 - 499 "	51	51	56	56	59	59	58	57
500 - 999 "	30	30	30	30	30	30	37	37
1,000 + "	8	8	9	8	9	9	8	8
All hospitals								
Canada	1,283	582	1,273	605	1,277	580	1,269	632
Newfoundland	47	10	47	12	47	12	47	13
Prince Edward Island	9	4	9	5	9	3	9	4
Nova Scotia	51	35	50	35	50	34	50	36
New Brunswick	40	25	40	26	41	27	41	30
Quebec	273	150	264	153	269	142	266	158
Ontario	315	181	309	182	306	182	299	190
Manitoba	102	27	99	29	99	24	100	24
Saskatchewan	155	38	154	37	154	35	153	38
Alberta	141	44	151	54	150	55	153	63
British Columbia	119	66	116	69	118	65	117	71
Yukon	5	1	5	1	5	-	5	1
Northwest Territories	26	1	29	2	29	1	29	4

¹ Based upon the number of hospitals which reported paid hours for qualified radiological technicians.

² Data for 1962 includes hospitals reporting paid hours for unqualified as well as qualified radiological technicians.

TABLE 2. Qualified Radiological Technicians Employed¹ as a Percentage of Total Hospital Personnel,² General and Allied Special Hospitals, by Province, 1961 - 68

Province	1961		1962		1963		1964	
	Full-time	Part-time	Full-time	Part-time	Full-time	Part-time	Full-time	Part-time
	per cent							
Canada	0.80	0.48	0.78	0.38	0.86	0.45	0.91	0.47
Newfoundland.....	0.83	—	0.80	1.06	0.79	—	0.66	—
Prince Edward Island.....	1.00	—	0.88	—	0.96	4.41	1.06	—
Nova Scotia	1.36	0.38	1.51	0.34	1.42	—	1.70	0.32
New Brunswick	0.97	0.18	1.01	0.52	0.98	0.76	0.99	0.52
Quebec	0.77	0.41	0.74	0.38	0.88	0.74	0.94	0.71
Ontario	0.79	0.56	0.78	0.40	0.82	0.36	0.89	0.35
Manitoba	0.56	0.28	0.46	0.27	0.62	0.44	0.62	0.60
Saskatchewan.....	0.77	—	0.77	—	0.89	—	0.84	—
Alberta	0.65	0.52	0.60	0.27	0.65	0.47	0.66	0.51
British Columbia.....	0.87	0.74	0.86	0.58	0.94	0.53	0.97	0.82
Yukon	—	—	1.26	—	0.64	—	1.31	—
Northwest Territories	0.39	—	0.24	—	0.58	2.22	0.52	—
	1965		1966		1967		1968	
	Full-time	Part-time	Full-time	Part-time	Full-time	Part-time	Full-time	Part-time
	per cent							
Canada	0.99	0.56	1.08	0.55	1.12	0.49	1.18	0.54
Newfoundland.....	0.80	—	1.03	—	1.08	—	1.29	0.66
Prince Edward Island.....	0.96	—	1.01	1.25	0.98	—	0.99	—
Nova Scotia	1.72	0.48	2.07	0.19	1.74	0.32	1.89	0.31
New Brunswick	0.96	1.00	1.08	—	1.19	—	1.24	0.53
Quebec	1.03	0.77	1.13	0.71	1.19	0.60	1.26	0.74
Ontario	1.02	0.46	1.07	0.50	1.13	0.55	1.16	0.53
Manitoba	0.68	0.67	0.71	0.58	0.80	0.31	0.77	0.23
Saskatchewan.....	0.87	—	0.90	—	0.94	0.12	1.05	0.11
Alberta	0.69	0.30	0.76	0.53	0.80	0.42	0.94	0.31
British Columbia.....	1.02	1.00	1.07	1.07	1.08	0.63	1.14	0.82
Yukon	1.31	—	2.53	—	1.34	—	1.30	—
Northwest Territories	0.28	—	0.55	—	0.55	—	1.06	—

¹ Reported data.
² Estimated data.

TABLE 3. Qualified Radiological Technicians Employed¹ by General and Allied Special Hospitals per 100,000 Population,² by Province, 1961 - 68

Province	1961	1962	1963	1964	1965	1966	1967	1968
Canada	8.6	8.7	10.0	10.9	12.5	13.8	14.9	16.0
Newfoundland.....	5.5	5.6	5.9	6.0	7.4	10.5	12.8	16.2
Prince Edward Island.....	8.6	7.5	11.1	9.2	9.2	11.0	10.1	10.0
Nova Scotia	14.5	16.9	16.1	19.3	20.1	24.7	22.1	24.2
New Brunswick	11.0	11.9	12.3	12.6	12.7	13.5	15.2	17.1
Quebec	7.9	7.9	10.2	11.6	13.6	15.6	16.9	18.4
Ontario	9.2	9.3	10.0	11.0	13.0	13.8	15.2	15.9
Manitoba	6.7	5.8	8.0	8.2	9.4	10.0	10.8	10.5
Saskatchewan.....	8.5	8.6	10.2	9.9	10.3	10.8	11.2	12.1
Alberta	7.0	6.4	7.4	8.1	8.3	10.3	11.4	13.6
British Columbia.....	8.7	8.6	9.4	10.0	11.2	11.7	11.8	12.9
Yukon	—	13.3	6.7	13.3	14.3	28.6	13.3	13.3
Northwest Territories	4.3	4.0	11.5	7.4	3.7	6.9	6.9	12.9

¹ Reported data, full-time and part-time.
² Estimate.

Source: *Estimated Population of Canada by Province at June 1, 1969.* (Catalogue No. 91-201), Research Section, Census Division.

TABLE 4. Turnover Rates¹ of Full-time Qualified Radiological Technicians, General and Allied Special Hospitals, by Province, 1962-68

Province	1962 ²	1963	1964	1965	1966	1967	1968
per cent							
Canada							
Public general by bed size	48.0	34.0	33.7	32.7	33.7	31.1	30.0
1 - 9 beds	—	—	—	—	—	—	—
10 - 24 "	111.1	—	33.3	66.7	75.0	53.8	41.2
25 - 49 "	43.8	37.7	22.1	25.6	34.3	25.9	24.5
50 - 99 "	36.1	35.6	29.7	28.8	23.8	31.4	24.8
100-199 "	35.4	26.0	27.9	25.1	29.4	29.4	25.9
200-299 "	46.6	38.0	27.6	33.5	37.9	33.1	21.9
300-499 "	39.7	32.8	42.2	36.9	37.9	27.9	27.7
500-999 "	71.4	38.8	37.5	31.5	31.6	34.5	42.7
1,000+	47.9	34.5	37.3	47.7	38.4	30.7	27.3
All hospitals							
Canada	45.9	32.3	32.0	31.7	32.4	30.1	29.2
Newfoundland	36.0	11.3	28.1	18.5	36.4	43.1	15.3
Prince Edward Island	35.3	47.1	31.6	40.0	28.6	9.1	9.1
Nova Scotia	21.9	16.4	25.7	25.3	24.6	31.0	22.2
New Brunswick	37.0	29.6	11.0	29.9	14.1	22.6	8.1
Quebec	47.3	25.4	32.4	29.3	27.3	25.7	27.0
Ontario	47.9	41.1	32.3	31.4	36.6	33.4	31.3
Manitoba	59.3	23.5	30.4	41.1	25.0	26.8	38.5
Saskatchewan	46.5	25.1	27.7	29.3	33.8	27.9	32.9
Alberta	45.1	49.2	44.7	51.8	46.9	41.6	38.9
British Columbia	56.5	34.6	39.5	34.3	40.2	28.0	33.9
Yukon	—	—	66.7	—	66.7	—	200.0
Northwest Territories	—	66.7	50.0	66.7	133.3	50.0	66.7

¹ The turnover rate is an average measure which expresses the number of personnel who leave as a percentage of the average number of persons employed. In 1968, e.g., the formula for calculation is $\frac{\text{Number of separations (1968)}}{\text{Number of employees (1967 + 1968)} \div 2} \times 100$.

² In 1962, the data include unqualified, as well as qualified, radiological technicians.

TABLE 5. Qualified Radiological Technicians Employed Full-time and Part-time in Reporting General and Allied Special Hospitals, by Province, 1961-68

Province	1961		1962		1963		1964	
	Full-time	Part-time	Full-time	Part-time	Full-time	Part-time	Full-time	Part-time
Canada								
Public general by bed size	1,334	65	1,425	67	1,582	82	1,781	93
1 - 9 beds	—	—	—	—	—	—	—	—
10 - 24 "	5	5	4	3	10	2	8	5
25 - 49 "	73	17	73	12	81	10	91	15
50 - 99 "	121	13	134	13	136	20	154	22
100-199 "	279	6	292	11	323	18	344	18
200-299 "	174	11	169	10	199	4	243	8
300-499 "	235	7	294	9	286	11	335	11
500-999 "	323	5	324	6	392	13	450	9
1,000+	124	1	135	3	155	4	156	5
All hospitals								
Canada	1,480	93	1,532	83	1,783	101	1,994	116
Newfoundland	25	—	25	1	28	—	29	—
Prince Edward Island	9	—	8	—	9	3	10	—
Nova Scotia	105	2	123	3	121	—	144	2
New Brunswick	65	1	70	2	72	3	74	3
Quebec	399	19	408	17	528	32	613	36
Ontario	522	49	547	43	670	40	691	41
Manitoba	58	4	50	4	69	7	69	10
Saskatchewan	79	—	80	—	95	—	93	—
Alberta	88	5	85	3	98	6	108	8
British Columbia	129	13	133	10	150	9	159	16
Yukon	—	—	2	—	1	—	2	—
Northwest Territories	1	—	1	—	2	1	2	—

TABLE 5. Qualified Radiological Technicians Employed Full-time and Part-time in Reporting General and Allied Special Hospitals, by Province, 1961 -68 - Concluded

Province	1965		1966		1967		1968	
	Full-time	Part-time	Full-time	Part-time	Full-time	Part-time	Full-time	Part-time
Canada								
Public general by bed size	2,055	125	2,371	143	2,617	155	2,835	179
1 - 9 beds	-	-	-	-	-	-	-	-
10 - 24 "	7	6	9	10	17	4	17	3
25 - 49 "	89	27	92	28	101	28	103	36
50 - 99 "	179	23	208	24	213	26	214	24
100 - 199 "	380	20	389	21	394	32	424	41
200 - 299 "	288	11	350	10	394	17	454	22
300 - 499 "	424	19	531	26	608	27	607	21
500 - 999 "	496	14	573	15	620	17	752	30
1,000 +	192	5	219	9	270	4	264	2
All hospitals								
Canada	2,296	153	2,593	177	2,853	180	3,113	210
Newfoundland	36	-	52	-	64	-	80	2
Prince Edward Island	10	-	11	1	11	-	11	-
Nova Scotia	148	4	185	2	163	4	180	4
New Brunswick	73	5	83	-	94	-	103	4
Quebec	731	44	849	52	939	53	1,013	75
Ontario	825	59	887	73	1,006	84	1,077	84
Manitoba	77	14	83	13	96	8	96	6
Saskatchewan	98	-	103	-	105	2	114	2
Alberta	116	5	140	11	158	12	197	10
British Columbia	179	22	194	25	213	17	236	23
Yukon	2	-	4	-	2	-	2	-
Northwest Territories	1	-	2	-	2	-	4	-

TABLE 6. Separations of Qualified Radiological Technicians Employed Full-time from Reporting General and Allied Special Hospitals, by Province, 1961 - 68

Province	1961 ¹	1962 ¹	1963	1964	1965	1966	1967	1968
Canada								
Public general by bed size	660	662	511	566	628	746	776	818
1 - 9 beds	-	-	-	-	-	-	-	-
10 - 24 "	5	5	-	3	5	6	7	7
25 - 49 "	38	32	29	19	23	31	25	25
50 - 99 "	48	46	48	43	48	46	66	53
100 - 199 "	126	101	80	93	91	113	115	106
200 - 299 "	69	80	70	61	89	121	123	93
300 - 499 "	147	105	95	131	140	181	159	168
500 - 999 "	156	231	139	158	149	169	206	293
1,000 +	71	62	50	58	83	79	75	73
All hospitals								
Canada	694	691	536	604	679	793	819	872
Newfoundland	37	9	3	8	6	16	25	11
Prince Edward Island	2	3	4	3	4	3	1	1
Nova Scotia	30	25	20	34	37	41	54	38
New Brunswick	27	25	21	8	22	11	20	8
Quebec	147	191	119	185	197	216	230	264
Ontario	246	256	238	210	238	313	316	326
Manitoba	32	32	14	21	30	20	24	37
Saskatchewan	35	37	22	26	28	34	29	36
Alberta	52	39	45	46	58	60	62	69
British Columbia	84	74	49	61	58	75	57	76
Yukon	1	-	-	1	-	2	-	4
Northwest Territories	1	-	1	1	1	2	1	2

¹ For the years 1961 and 1962, data for separations include unqualified as well as qualified radiological technicians.

TABLE 7. Paid Hours of Qualified Radiological Technicians Employed¹ in Reporting General and Allied Special Hospitals, by Province, 1961 - 68

Province	1961	1962 ²	1963	1964	1965	1966	1967	1968
Canada								
Public general by bed size	4,989,922	3,279,724	3,697,581	4,226,976	4,694,908	5,188,749	5,795,876
1- 9 beds	536	-	-	-	-	-	-
10- 24 "	24,998	19,666	17,717	21,093	20,763	34,056	39,554
25- 49 "	223,452	177,730	199,021	204,569	214,873	207,246	238,017
50- 99 "	381,534	305,140	338,321	388,202	447,138	469,024	476,744
100-199 "	915,945	679,721	731,420	800,879	808,318	825,456	896,873
200-299 "	630,080	407,569	500,306	589,986	688,570	780,981	897,895
300-499 "	1,131,057	606,209	702,173	829,497	1,021,525	1,207,826	1,173,378
500-999 "	1,220,143	777,755	872,056	970,642	1,066,602	1,175,521	1,540,255
1,000+ "	462,177	305,934	336,567	422,108	427,119	488,639	533,160
All hospitals								
Canada	5,255,267	3,600,904	4,047,909	4,590,328	5,046,042	5,576,949	6,262,757
Newfoundland	90,121	53,126	47,571	69,343	88,375	110,584	152,022
Prince Edward Island	25,028	20,293	22,638	22,452	22,403	14,540	23,899
Nova Scotia	293,399	255,808	279,992	310,402	331,030	358,916	371,094
New Brunswick	198,449	154,312	151,321	145,402	172,539	189,059	215,121
Quebec	1,295,902	1,037,781	1,199,236	1,394,017	1,571,672	1,724,193	1,890,333
Ontario	1,954,783	1,242,719	1,447,914	1,680,455	1,779,307	1,998,892	2,260,010
Manitoba	281,002	137,813	133,743	156,307	170,148	187,925	188,325
Saskatchewan	274,612	186,746	206,472	211,365	219,605	224,573	259,854
Alberta	375,944	196,742	213,954	225,486	273,978	326,846	407,075
British Columbia	459,651	308,309	336,576	368,493	408,548	433,422	483,387
Yukon	4,184	1,912	4,063	4,390	4,011	3,745	4,450
Northwest Territories	2,192	5,343	4,429	2,216	4,426	4,254	7,187

¹ Full-time and part-time.

² In 1962, data for paid hours include unqualified, as well as qualified, radiological technicians.

TABLE 8. Selected Paid Hours Ratios, General and Allied Special Hospitals, by Province, 1961 - 68

Province	1961	1962	1963	1964	1965	1966	1967	1968
Paid hours, total hospital personnel, per rated bed								
Canada								
Public general by bed size	3,873.1	3,959.2	4,032.0	4,143.8	4,230.0	4,299.0	4,400.5
1- 9 beds	3,121.3	3,101.0	3,272.3	3,462.5	3,408.4	3,370.8	3,092.3
10- 24 "	2,440.4	2,475.3	2,467.0	2,519.6	2,556.4	2,587.2	2,643.7
25- 49 "	2,585.0	2,624.3	2,609.6	2,595.0	2,648.6	2,667.8	2,725.1
50- 99 "	2,927.2	3,059.6	3,053.6	3,125.9	3,156.3	3,197.7	3,302.6
100-199 "	3,596.5	3,640.3	3,666.4	3,759.8	3,753.1	3,797.9	3,781.6
200-299 "	3,906.4	3,973.8	3,890.4	4,055.4	4,135.7	4,111.6	4,211.9
300-499 "	4,188.4	4,238.4	4,354.8	4,429.2	4,499.6	4,621.3	4,643.9
500-999 "	4,508.2	4,656.4	4,878.6	5,089.9	5,265.7	5,434.5	5,456.8
1,000+ "	4,823.3	4,832.3	5,060.3	5,046.4	5,232.9	5,086.6	5,482.0
All hospitals								
Canada	3,538.1	3,576.6	3,656.9	3,777.9	3,864.6	3,941.6	4,039.3
Newfoundland	4,231.4	4,008.6	3,773.1	3,734.4	3,570.6	3,866.9	4,370.7
Prince Edward Island	2,901.8	2,954.6	3,021.8	2,997.3	3,146.8	3,212.2	3,226.4
Nova Scotia	3,695.5	3,870.6	3,871.3	3,824.8	3,899.4	4,246.1	4,241.5
New Brunswick	3,917.4	4,027.7	4,027.5	4,150.8	4,214.2	4,257.3	4,263.3
Quebec	3,612.6	3,678.4	3,879.4	4,110.4	4,174.4	4,246.1	4,273.0
Ontario	3,669.3	3,671.6	3,741.1	3,821.0	3,969.6	4,059.1	4,191.1
Manitoba	3,596.1	3,650.3	3,759.8	3,832.1	4,022.1	4,058.8	4,335.9
Saskatchewan	3,172.2	3,243.7	3,285.6	3,410.7	3,423.0	3,420.0	3,387.4
Alberta	3,095.1	3,179.6	3,012.6	3,110.4	3,135.0	3,198.7	3,332.8
British Columbia	3,253.7	3,201.4	3,376.9	3,470.5	3,498.2	3,543.0	3,672.5
Yukon	1,983.3	2,200.7	2,074.6	2,063.3	2,087.7	2,072.1	2,022.3
Northwest Territories		1,836.9	1,754.4	1,807.6	1,915.3	1,893.9	2,022.0

TABLE 8. Selected Paid Hours Ratios, General and Allied Special Hospitals, by Province, 1961-68 - Concluded

	1961	1962	1963	1964	1965	1966	1967	1968
Paid hours, total hospital personnel, per patient-day ¹								
Canada								
Public general by bed size	12.5	12.9	13.2	13.6	13.9	14.4	15.0	15.1
1 - 9 beds	10.5	10.7	10.6	10.5	10.5	11.4	11.8	12.0
10 - 24 "	8.8	9.0	8.9	9.2	9.4	9.6	9.9	10.3
25 - 49 "	9.0	9.1	9.2	9.4	9.4	9.7	10.0	10.2
50 - 99 "	10.1	10.0	10.3	10.5	10.8	10.9	11.4	11.7
100-199 "	11.8	12.2	12.4	12.8	12.9	13.2	13.4	13.4
200-299 "	13.5	13.3	13.6	13.6	13.9	14.2	14.4	14.5
300-499 "	13.1	13.7	13.8	14.3	14.7	15.3	15.9	15.4
500-999 "	14.2	14.4	15.1	15.7	16.3	17.2	18.3	18.3
1,000+ "	14.7	15.7	15.6	16.0	16.5	17.0	17.2	17.6
All hospitals								
Canada	11.6	11.8	12.0	12.4	12.6	13.0	13.5	13.6
Newfoundland	12.9	12.6	12.6	13.4	13.6	14.4	15.3	16.0
Prince Edward Island	12.6	11.8	12.1	12.4	12.3	12.3	12.7	12.8
Nova Scotia	13.4	13.3	13.6	13.5	13.8	13.8	14.9	15.1
New Brunswick	12.9	12.9	13.2	13.4	13.7	13.8	14.1	14.3
Quebec	11.7	11.9	12.2	13.1	13.6	14.3	14.7	14.4
Ontario	11.7	12.0	12.1	12.4	12.5	12.9	13.3	13.7
Manitoba	12.1	12.1	12.3	12.6	13.1	13.5	14.0	14.4
Saskatchewan	10.5	10.8	10.6	11.0	11.3	11.4	11.9	12.1
Alberta	10.6	10.5	10.9	10.9	10.9	11.2	11.7	12.0
British Columbia	10.9	10.8	10.7	11.2	11.4	11.3	11.7	11.9
Yukon	10.8	11.1	12.4	13.5	13.8	12.9	13.3	13.7
Northwest Territories	12.2			10.9	11.7	12.5	12.5	12.5	13.3
Paid hours radiology department per 100 patient-days ¹								
Canada								
Public general by bed size	33.0	..	..	35.9	37.8	39.5	42.3	44.2
1 - 9 beds	20.0	..	..	26.0	29.4	35.6	30.1	37.6
10 - 24 "	19.0	..	..	22.4	22.0	22.9	24.8	26.6
25 - 49 "	21.0	..	..	22.7	23.2	23.5	24.8	25.7
50 - 99 "	21.0	..	..	21.3	22.3	24.0	25.3	26.8
100-199 "	29.0	..	..	31.0	31.6	32.9	33.9	34.9
200-299 "	33.0	..	..	32.3	33.5	33.8	37.4	39.7
300-499 "	35.0	..	..	37.7	41.6	43.3	45.8	45.7
500-999 "	42.0	..	..	48.6	51.7	53.9	59.7	59.5
1,000+ "	39.0	..	..	43.2	44.0	48.1	48.8	55.0
All hospitals								
Canada	31.0	..	..	32.9	34.4	36.3	38.3	40.6
Newfoundland	42.0	..	..	42.8	39.3	38.9	42.5	47.9
Prince Edward Island	30.0	..	..	33.5	34.9	32.9	38.0	37.1
Nova Scotia	45.0	..	..	45.1	46.7	44.3	52.5	50.5
New Brunswick	38.0	..	..	37.0	38.7	36.8	39.5	42.5
Quebec	34.0	..	..	39.7	42.4	44.0	47.7	49.3
Ontario	30.0	..	..	31.7	33.0	35.4	36.5	39.6
Manitoba	26.0	..	..	26.3	27.2	29.4	32.5	33.0
Saskatchewan	27.0	..	..	30.2	31.0	32.7	32.9	34.9
Alberta	22.0	..	..	22.6	23.1	26.0	26.1	29.3
British Columbia	27.0	..	..	25.2	25.8	29.2	30.4	32.4
Yukon	17.0	..	..	19.0	23.2	18.5	17.3	21.7
Northwest Territories	25.0	..	..	16.9	16.0	18.0	15.2	18.3

¹ Adults and children.

TABLE 9. Average Number of Patients per Day,¹ General and Allied Special Hospitals, by Province, 1961 - 68

Province	1961	1962	1963	1964	1965	1966	1967	1968
Canada								
Public general by bed size	87.8	90.3	92.3	94.6	96.5	96.4	98.3	101.5
1- 9 beds	5.7	5.7	5.7	6.4	6.9	6.3	6.1	5.9
10- 24 "	12.2	12.1	12.6	12.1	12.3	12.1	12.0	11.8
25- 49 "	26.6	26.2	26.0	25.7	25.8	25.5	24.9	24.8
50- 99 "	55.7	55.0	55.1	54.8	54.7	54.4	53.7	53.6
100- 199 "	118.3	110.9	110.7	110.0	110.1	105.8	105.8	106.1
200- 299 "	186.9	186.3	185.6	188.5	191.2	193.0	190.1	192.2
300- 499 "	327.0	319.3	311.2	306.5	304.8	301.5	308.0	313.1
500- 999 "	600.8	592.5	563.5	569.1	567.2	556.6	548.0	548.1
1,000+ "	1,043.5	1,039.7	1,049.6	1,063.0	1,043.6	1,039.9	1,009.0	1,039.6
All hospitals								
Canada	83.7	81.4	86.7	83.6	88.2	89.1	91.4	94.1
Newfoundland	39.9	38.4	42.6	40.9	44.9	42.9	45.8	47.9
Prince Edward Island	54.2	54.1	53.4	53.3	53.6	56.0	57.0	56.7
Nova Scotia	65.7	67.5	70.5	73.3	74.1	77.8	79.7	79.5
New Brunswick	80.8	80.5	80.4	83.9	83.5	84.0	83.3	85.3
Quebec	104.2	110.3	110.4	106.9	110.4	114.2	115.6	121.6
Ontario	131.8	111.3	139.5	120.3	139.3	140.1	146.4	150.3
Manitoba	54.8	53.5	55.1	53.8	53.7	55.0	54.6	55.6
Saskatchewan	36.9	36.4	38.3	39.3	39.2	39.3	39.1	38.1
Alberta	63.3	63.9	61.8	62.8	66.1	65.3	66.3	69.5
British Columbia	86.7	82.1	86.5	84.2	86.4	89.1	92.0	96.9
Yukon	27.4	30.3	14.6	13.6	13.1	14.2	13.7	13.0
Northwest Territories	3.7	6.0	8.0	7.2	6.8	6.5	7.0	5.9

¹ The average number of patients (adults and children) in a given hospital on a given day.

TABLE 10. Selected Radiology Examination Ratios, General and Allied Special Hospitals, by Province, 1961 - 68

Province	1961	1962	1963	1964	1965	1966	1967	1968
Diagnostic radiology examinations for in-patients per 100 patient-days ¹								
Canada								
Public general by bed size	12.0	12.8	13.4	13.1	13.7
1- 9 beds	10.8	8.4	9.3	9.6	9.5
10- 24 "	9.8	9.9	9.7	9.6	10.0
25- 49 "	10.4	10.7	11.1	11.2	11.2
50- 99 "	10.2	10.9	11.1	11.0	11.5
100- 199 "	12.3	13.4	13.8	13.2	13.3
200- 299 "	12.4	13.2	13.8	13.6	14.1
300- 499 "	12.4	13.4	13.7	13.4	14.2
500- 999 "	12.9	13.6	14.8	14.4	15.3
1,000+ "	11.6	12.3	13.0	12.4	13.1
All hospitals								
Canada	10.8	11.4	12.0	11.7	12.3
Newfoundland	10.0	9.6	10.3	9.9	10.9
Prince Edward Island	8.3	9.3	9.4	9.1	9.2
Nova Scotia	11.9	12.4	12.8	12.9	13.8
New Brunswick	10.2	10.1	10.8	11.4	11.4
Quebec	12.9	14.7	15.6	14.3	15.2
Ontario	9.9	10.4	10.8	10.8	11.3
Manitoba	10.3	10.2	11.1	10.9	11.7
Saskatchewan	11.3	11.3	11.4	11.6	12.7
Alberta	9.6	9.5	9.9	10.1	10.2
British Columbia	9.2	9.4	9.6	9.9	10.3
Yukon	9.5	10.7	8.7	11.2	12.2
Northwest Territories	7.9	8.7	8.9	8.8	10.2

¹ Adults and children.

TABLE 10. Selected Radiology Examination Ratios, General and Allied Special Hospitals, by Province, 1961-68 - Concluded

Province	1961	1962	1963	1964	1965	1966	1967	1968
Routine admission chest x-ray examinations per 100 admissions ¹								
Canada								
Public general by bed size	32.0	32.7	32.3	30.6	33.6	33.7	32.3	34.2
1- 9 beds	35.0	35.6	29.4	35.5	34.7	29.5	32.8	33.1
10- 24 "	36.0	34.3	34.8	35.9	34.9	35.3	34.1	35.6
25- 49 "	27.0	31.2	30.2	31.3	29.8	30.2	28.7	27.5
50- 99 "	30.0	29.2	29.1	25.9	27.3	29.4	27.6	30.5
100-199 "	28.0	27.5	28.6	29.4	35.0	36.8	35.2	38.0
200-299 "	32.0	33.1	33.3	32.3	36.6	35.6	33.4	38.1
300-499 "	36.0	36.6	34.8	32.8	35.1	37.0	36.2	36.9
500-999 "	36.0	35.3	36.9	33.5	38.0	33.3	30.6	32.6
1,000+ "	26.0	35.8	27.9	20.5	25.5	26.0	26.3	25.8
All hospitals								
Canada	33.0	34.1	33.3	32.0	35.2	35.2	33.9	35.7
Newfoundland	40.7	54.8	60.4	70.2	66.9	61.6	59.1	65.3
Prince Edward Island	13.0	27.0	5.7	6.3	9.3	15.2	18.7	14.1
Nova Scotia	40.0	41.1	54.3	36.1	43.2	43.4	44.0	51.3
New Brunswick	23.0	24.7	26.5	26.2	18.2	37.1	27.6	59.4
Quebec	38.0	37.9	34.3	36.1	49.5	48.8	44.7	51.3
Ontario	35.0	36.8	35.4	33.7	34.1	31.9	29.9	28.0
Manitoba	37.0	32.8	32.4	30.3	29.9	31.3	37.5	37.3
Saskatchewan	40.0	37.7	34.6	32.8	33.7	34.6	35.3	32.2
Alberta	25.0	26.7	23.9	23.0	18.4	19.7	18.6	23.2
British Columbia	20.0	19.1	19.3	16.3	15.3	14.2	15.6	15.5
Yukon	26.0	37.7	40.9	48.7	57.4	50.6	61.6	40.7
Northwest Territories			54.5	54.7	48.7	47.1	41.2	53.9
Radiographic examinations ² for in-patients per 100 admissions ¹								
Canada								
Public general by bed size .....	..	83.8	88.5	98.2	105.7	111.2	111.7	116.9
1- 9 beds .....	..	33.5	34.7	50.5	38.4	41.4	47.4	50.3
10- 24 " .....	..	38.4	38.2	41.5	43.1	42.1	44.0	43.2
25- 49 " .....	..	56.7	56.2	57.5	62.5	65.9	67.9	68.4
50- 99 " .....	..	60.3	63.2	69.2	75.1	76.7	78.1	82.0
100-199 " .....	..	80.6	81.1	89.9	97.3	100.3	99.0	99.9
200-299 " .....	..	86.1	88.2	99.9	108.6	114.3	115.9	113.6
300-499 " .....	..	88.5	97.6	109.9	120.3	120.9	118.9	129.0
500-999 " .....	..	108.6	113.3	127.4	132.7	149.0	147.4	152.7
1,000+ .....	..	119.7	134.8	143.5	142.2	148.2	152.3	160.6
All hospitals								
Canada .....	..	84.4	89.0	98.5	106.0	111.5	111.9	117.6
Newfoundland .....	..	41.4	47.4	48.9	46.3	52.5	49.8	50.8
Prince Edward Island .....	..	70.3	76.9	78.4	86.1	87.4	84.0	82.7
Nova Scotia .....	..	75.2	82.8	104.6	102.1	105.3	109.5	110.4
New Brunswick .....	..	78.0	82.6	91.0	95.8	100.7	123.1	124.1
Quebec .....	..	102.8	113.6	129.3	142.4	154.0	142.1	150.8
Ontario .....	..	80.1	83.4	91.0	98.1	102.2	107.9	113.4
Manitoba .....	..	97.0	96.7	99.9	110.4	117.2	113.9	118.1
Saskatchewan .....	..	78.5	76.6	87.3	91.2	90.2	96.4	106.2
Alberta .....	..	71.8	72.6	77.7	82.2	87.0	90.7	94.4
British Columbia .....	..	81.9	81.8	87.0	90.2	94.3	96.3	101.4
Yukon .....	..	38.7	32.3	33.7	36.4	28.4	40.5	61.9
Northwest Territories			36.0	29.8	37.7	37.4	43.3	38.2

¹ Adults and children.

² Excluding routine admission chest x-ray examinations.

TABLE 11. Revenue Fund Expenditure per Patient-day, Public General and Allied Special Hospitals,¹ by Province, 1961-68

Province	1961	1962	1963	1964	1965	1966	1967	1968
dollars								
Canada								
Public general by bed size	24.32	26.36	28.58	31.00	34.05	38.56	43.40	48.44
1- 9 beds.....	19.94	21.69	23.33	23.98	23.43	26.74	29.95	33.74
10- 24 ".....	18.50	19.84	20.44	22.19	23.64	26.13	28.87	32.50
25- 49 ".....	19.02	20.09	21.28	22.59	24.37	27.03	30.37	34.18
50- 99 ".....	19.53	20.81	22.50	23.88	26.11	29.34	33.12	37.30
100-199 ".....	22.13	24.23	26.15	28.60	31.18	35.09	38.63	42.56
200-299 ".....	24.98	26.61	28.61	30.39	33.37	37.97	41.78	46.62
300-499 ".....	25.21	27.30	29.30	32.19	35.90	40.45	45.48	49.14
500-999 ".....	27.89	29.82	33.01	36.16	39.91	45.84	52.76	58.19
1,000+ ".....	30.09	33.00	35.34	38.02	40.97	46.24	51.60	59.31
All hospitals								
Canada	23.07	24.82	26.87	29.18	31.92	36.06	40.38	45.01
Newfoundland.....	19.92	21.15	23.01	26.27	28.34	32.22	38.56	44.87
Prince Edward Island.....	19.06	18.81	20.46	22.69	24.43	26.61	29.43	31.62
Nova Scotia.....	23.64	25.37	27.31	29.35	32.05	34.00	40.25	44.97
New Brunswick.....	23.66	25.55	27.46	28.68	30.03	32.25	36.02	39.20
Quebec.....	23.18	25.16	28.45	32.39	36.82	43.96	47.62	49.82
Ontario.....	24.26	26.22	28.00	29.84	32.15	35.69	40.41	46.95
Manitoba.....	21.94	22.69	24.25	25.63	27.90	31.33	35.54	39.89
Saskatchewan.....	21.16	22.82	23.40	25.62	27.65	30.52	33.94	38.62
Alberta.....	19.90	21.32	23.08	24.27	25.89	29.07	33.87	36.85
British Columbia.....	23.48	24.89	26.07	27.45	29.37	31.54	35.50	40.98
Yukon.....	29.43	28.37	45.32	50.25	51.73	52.87	70.74	89.87
Northwest Territories.....	32.21		22.04	25.18	27.68	29.37	32.87	36.36

¹ Only public hospitals are required to submit financial data to the Dominion Bureau of Statistics.

TABLE 12. Salary Cost per Patient-day,¹ Total Hospital and Radiology Department, Public General and Allied Special Hospitals,² by Province, 1961-68

Province	1961	1962	1963	1964	1965	1966	1967	1968
Total hospital salary cost per patient-day								
dollars								
Canada								
Public general by bed size	15.74	17.20	18.18	19.92	22.06	25.22	28.83	32.31
1- 9 beds.....	12.34	13.53	14.34	15.06	15.16	17.33	19.73	22.56
10- 24 ".....	10.83	11.64	12.03	13.11	14.07	15.69	17.80	20.46
25- 49 ".....	11.57	12.09	12.71	13.56	14.61	16.30	18.71	21.50
50- 99 ".....	12.48	13.14	14.15	15.08	16.63	18.75	21.55	24.72
100-199 ".....	14.35	15.78	16.51	18.35	20.19	23.10	25.97	28.71
200-299 ".....	15.80	17.19	17.91	19.19	21.30	24.62	27.28	30.50
300-499 ".....	16.80	18.19	18.84	20.92	23.63	26.57	30.49	33.15
500-999 ".....	18.22	19.75	21.18	23.48	26.02	30.42	35.33	38.86
1,000+ ".....	19.68	22.03	23.30	25.23	27.26	30.87	34.96	40.32
All hospitals								
Canada	14.94	16.22	17.14	18.82	20.77	23.67	26.94	30.16
Newfoundland.....	10.93	11.09	11.76	13.96	15.03	17.01	21.06	25.89
Prince Edward Island.....	10.31	10.26	11.13	12.76	14.01	15.81	17.98	19.04
Nova Scotia.....	14.12	14.92	15.53	16.94	18.11	19.62	23.45	26.96
New Brunswick.....	13.63	15.05	15.85	16.62	17.44	18.79	22.11	24.61
Quebec.....	14.39	16.27	18.11	21.24	24.73	30.18	34.08	35.17
Ontario.....	16.19	17.61	18.23	19.47	21.05	23.41	26.57	31.07
Manitoba.....	14.75	14.98	15.68	16.76	18.34	20.43	23.04	26.42
Saskatchewan.....	14.07	15.19	15.05	16.48	17.81	19.64	21.70	24.76
Alberta.....	12.89	13.40	14.41	15.11	16.25	18.19	21.42	23.69
British Columbia.....	15.96	17.03	17.42	18.45	19.75	21.15	24.09	28.52
Yukon.....	16.22	15.74	25.28	27.97	31.20	30.91	43.95	50.64
Northwest Territories.....	16.74		12.37	13.97	15.05	15.92	18.21	20.83

See footnote(s) at end of table.

TABLE 12. Salary Cost per Patient-day,¹ Total Hospital and Radiology Department, Public General and Allied Special Hospitals,² by Province, 1961-68 - Concluded

Province	1961	1962	1963	1964	1965	1966	1967	1968
	Radiology salary cost ³ per patient-day							
	dollars							
Canada								
Public general by bed size	0.48	0.55	0.63	0.73	0.87	0.99
1- 9 beds	0.44	0.35	0.47	0.52	0.42	0.63
10- 24 "	0.33	0.36	0.36	0.41	0.48	0.60
25- 49 "	0.37	0.40	0.43	0.48	0.55	0.65
50- 99 "	0.34	0.38	0.43	0.51	0.60	0.70
100-199 "	0.42	0.47	0.53	0.64	0.75	0.85
200-299 "	0.42	0.47	0.53	0.62	0.75	0.88
300-499 "	0.47	0.54	0.65	0.77	0.91	1.03
500-999 "	0.62	0.74	0.85	0.99	1.20	1.28
1,000+ "	0.64	0.71	0.75	0.88	1.02	1.20
All hospitals								
Canada	0.46	0.52	0.59	0.70	0.82	0.94
Newfoundland	0.55	0.66	0.62	0.67	0.84	1.09
Prince Edward Island	0.29	0.33	0.37	0.44	0.53	0.56
Nova Scotia	0.64	0.78	0.84	0.83	1.06	1.26
New Brunswick	0.46	0.51	0.54	0.57	0.72	0.86
Quebec	0.52	0.62	0.74	0.95	1.13	1.20
Ontario	0.48	0.53	0.58	0.66	0.76	0.92
Manitoba	0.31	0.34	0.36	0.42	0.53	0.58
Saskatchewan	0.42	0.46	0.51	0.55	0.62	0.73
Alberta	0.29	0.32	0.36	0.43	0.53	0.60
British Columbia	0.39	0.44	0.48	0.59	0.68	0.82
Yukon	0.38	-	0.90	-	-	-
Northwest Territories	0.30	0.35	0.30	0.32	0.43	0.51

¹ Adults and children.

² Only public hospitals are required to submit financial data to the Dominion Bureau of Statistics.

³ Excludes radiologist remuneration.

TABLE 13. Selected Radiology Cost Ratios, Public General and Allied Special Hospitals,¹ by Province, 1964-68

Province	Radiology cost per examination					Radiology salary cost ² per examination				
	1964	1965	1966	1967	1968	1964	1965	1966	1967	1968
	dollars									
Canada										
Public general by bed size	6.86	7.18	7.62	8.59	8.97	2.54	2.71	2.97	3.45	3.54
1- 9 beds	2.76	3.34	3.46	3.18	3.22	1.29	2.22	2.06	1.67	1.75
10- 24 "	3.85	3.97	4.27	4.69	4.93	1.61	1.65	1.79	2.06	2.25
25- 49 "	5.22	5.40	5.52	5.97	6.54	1.92	2.02	2.09	2.27	2.59
50- 99 "	6.03	6.19	6.47	6.96	7.18	2.09	2.15	2.36	2.64	2.74
100-199 "	6.40	6.51	7.02	7.58	7.93	2.14	2.22	2.58	2.93	2.99
200-299 "	6.66	6.83	7.02	7.71	7.99	2.20	2.32	2.49	2.84	2.93
300-499 "	6.85	7.24	7.73	8.64	9.01	2.43	2.65	2.94	3.39	3.50
500-999 "	8.22	8.49	9.01	10.62	10.56	3.29	3.50	3.75	4.53	4.32
1,000+ "	7.62	8.60	9.37	11.35	12.45	3.41	3.63	4.06	4.92	5.21
All hospitals										
Canada	6.95	7.26	7.75	8.72	9.10	2.59	2.75	3.04	3.51	3.61
Newfoundland	5.72	6.17	6.07	7.29	7.76	2.55	2.47	2.39	3.07	3.47
Prince Edward Island	4.31	4.18	4.75	5.32	6.07	1.56	1.54	1.78	2.09	2.27
Nova Scotia	6.39	6.74	6.78	7.35	7.94	2.58	2.69	2.53	3.06	3.45
New Brunswick	7.91	8.05	8.18	8.36	10.19	2.76	2.80	2.72	3.02	3.59
Quebec	7.70	7.95	8.57	9.96	9.30	2.75	3.01	3.54	4.39	3.70
Ontario	7.35	7.53	7.99	8.87	9.58	2.70	2.81	3.03	3.34	3.73
Manitoba	5.38	6.03	6.30	7.46	7.84	2.07	2.27	2.40	3.03	3.18
Saskatchewan	5.61	5.79	5.92	6.16	6.80	2.21	2.34	2.37	2.50	2.75
Alberta	5.37	6.05	6.75	7.95	8.52	2.12	2.29	2.54	2.94	3.22
British Columbia	6.30	6.63	7.61	8.52	9.69	2.51	2.60	3.05	3.38	3.95
Yukon	4.00	6.69	6.63	4.95	7.22	-	6.20	-	1.70	-
Northwest Territories	3.59	3.18	3.26	4.63	4.04	1.95	1.34	1.33	2.91	1.77

¹ Only public hospitals are required to submit financial data to the Dominion Bureau of Statistics.

² Excludes radiologist remuneration.

TABLE 14. Selected Data for Qualified Combined Laboratory and Radiological Technicians, Reporting General and Allied Special Hospital, by Province, 1961-68

Province	Combined laboratory and radiological								Technicians employed full and part-time							
	1961		1962		1963		1964		1965		1966		1967		1968	
	Full-time	Part-time	Full-time	Part-time	Full-time	Part-time	Full-time	Part-time	Full-time	Part-time	Full-time	Part-time	Full-time	Part-time	Full-time	Part-time
Canada																
Public general by bed size	106	14	124	11	240	20	189	11	191	21	166	18	203	43	210	29
1- 9 beds	2	1	2	1	5	-	4	-	3	1	3	-	2	2	1	-
10- 24 "	38	4	40	7	65	9	69	4	75	13	75	6	78	9	69	13
25- 49 "	45	4	45	3	62	4	73	5	67	4	74	12	67	18	69	14
50- 99 "	14	-	24	-	23	-	25	1	24	1	26	-	24	-	25	1
100-199 "	7	-	5	-	9	1	18	1	21	2	8	-	4	-	5	1
200-299 "	-	-	8	-	15	1	-	-	-	-	-	-	-	-	1	-
300-499 "	-	-	-	-	61	5	-	-	-	-	-	-	-	-	35	-
500-999 "	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
1,000+ "	-	5	-	-	-	-	-	-	-	-	-	-	28	14	5	-
All hospitals																
Canada	117	14	129	11	258	21	195	12	197	21	191	19	206	44	213	31
Newfoundland	1	-	1	-	1	-	1	1	24	-	22	-	13	-	18	-
Prince Edward Island	2	-	9	-	5	-	4	-	4	1	5	-	5	-	6	-
Nova Scotia	5	-	3	-	7	1	5	-	5	-	3	-	5	1	6	1
New Brunswick	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec	12	5	6	1	97	7	18	1	17	1	5	-	29	14	42	1
Ontario	4	-	5	-	4	-	7	-	9	-	6	-	6	-	5	-
Manitoba	8	-	3	2	11	2	12	1	8	4	8	2	7	1	9	3
Saskatchewan	43	2	43	4	60	5	69	-	59	7	65	5	72	9	62	11
Alberta	34	6	53	2	66	3	71	4	66	6	75	11	64	17	59	13
British Columbia	8	1	6	2	6	3	7	4	4	2	2	1	5	2	6	2
Yukon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northwest Territories	-	-	-	-	1	-	1	1	1	-	-	-	-	-	-	-
Separations of combined laboratory and radiological technicians employed full-time																
	1961 ²	1962 ¹	1963	1964	1965	1966	1967	1968								
Canada																
Public general by bed size	112	104	82	73	86	71	76	65								
1- 9 beds	1	3	2	1	2	-	-	-								
10- 24 "	43	32	28	26	29	33	24	26								
25- 49 "	37	21	32	23	30	29	30	30								
50- 99 "	9	12	15	14	10	9	8	7								
100-199 "	-	-	2	6	3	-	1	2								
200-299 "	-	2	-	3	-	-	9	-								
300-499 "	22	19	3	-	12	-	-	-								
500-999 "	-	-	-	-	-	-	-	-								
1,000+ "	-	15	-	-	-	-	4	-								
All hospitals																
Canada	114	105	84	73	86	72	77	66								
Newfoundland	28	21	-	-	5	11	7	4								
Prince Edward Island	-	3	2	-	-	-	1	-								
Nova Scotia	-	1	1	-	2	1	-	1								
New Brunswick	-	-	-	-	5	-	-	-								
Quebec	6	16	3	5	2	-	14	1								
Ontario	4	-	3	6	-	2	3	-								
Manitoba	2	4	3	8	2	1	1	2								
Saskatchewan	42	34	27	21	33	23	18	28								
Alberta	24	24	38	30	32	31	31	28								
British Columbia	8	2	6	3	4	3	2	2								
Yukon	-	-	-	-	-	-	-	-								
Northwest Territories	-	-	1	-	1	-	-	-								

See footnote(s) at end of table.

TABLE 14. Selected Data for Qualified Combined Laboratory and Radiological Technicians, Reporting General and Allied Hospitals, by Province, 1961-68 -- Concluded

Province	Paid hours of combined laboratory and radiological technicians ²							
	1961	1962 ¹	1963	1964	1965	1966	1967	1968
Canada								
Public general by bed size	537,311	517,594	398,389	395,340	371,726	430,793	422,157
1- 9 beds	14,654	11,003	7,086	8,856	7,010	6,032	2,208
10- 24 "	191,017	140,110	147,749	149,865	151,075	147,702	141,093
25- 49 "	170,866	134,480	157,614	139,461	149,787	157,810	157,873
50- 99 "	66,087	49,332	51,604	49,855	51,801	43,839	49,639
100-199 "	13,957	22,296	34,336	45,457	12,053	9,060	9,998
200-299 "	15,884	29,259	-	-	-	-	2,170
300-499 "	34,772	131,114	-	-	-	-	53,762
500-999 "	-	-	-	1,846	-	-	-
1,000+ "	30,074	-	-	-	-	66,350	5,414
All hospitals								
Canada	531,409	558,789	411,598	406,769	383,375	438,157	430,936
Newfoundland	36,692	2,080	3,224	15,309	10,830	9,404	7,920
Prince Edward Island	24,828	10,754	8,468	9,630	10,576	11,176	12,360
Nova Scotia	14,535	14,178	10,432	10,648	6,872	8,639	14,528
New Brunswick	-	-	-	-	-	-	-
Quebec	53,449	207,212	35,941	37,820	10,889	69,746	64,899
Ontario	25,568	9,926	17,089	18,337	14,365	13,454	10,157
Manitoba	22,474	24,423	26,749	18,299	15,495	14,217	22,347
Saskatchewan	191,831	130,905	137,495	132,362	137,679	149,846	145,997
Alberta	146,125	139,223	152,787	149,634	168,286	150,304	137,241
British Columbia	35,247	16,714	16,983	12,578	8,383	11,371	15,487
Yukon	-	-	-	-	-	-	-
Northwest Territories	660	3,374	2,430	2,152	-	-	-

¹ Data for the year 1961 and 1962 include unqualified as well as qualified combined laboratory and radiological technicians.

² Employed full-time and part-time.





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