

# Health manpower in hospitals

PHARMACISTS  
1961-68





B R J Q

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Health and Welfare Division  
Institutions Section

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PHARMACISTS

1961 - 68

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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These reports which are based upon published and unpublished tabulations of the Institutions Section and upon other DBS data are designed to provide an in-depth study on many of the various professional and technical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).

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*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.
- p preliminary figures.
- r 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 bassinets 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.

**Qualified Pharmacists**

Pharmacists who have graduated in a course in pharmacy from a recognized university; or registration under the Pharmacy Act of the Province.

**Pharmacy Department**

Refers to a service area designed and equipped for the preparation, compounding and dispensing of medicine and drugs.

## INTRODUCTION

This report pertaining to qualified pharmacists is one in the DBS Institutions Section's occasional series of reports dealing with health manpower in the hospital fields<sup>1</sup> for the time period 1961-68. In addition to these reports which deal with specific professional and technical groups, the publication *Health Manpower in Hospitals - General, 1961-68* contains data on the total manpower of Canadian hospitals for the years 1961-66, as mentioned in the Preface.

### Qualified Pharmacists Employed

Table 1 shows that in 1963, some 335 hospitals signified the employment of at least one qualified pharmacist by reporting paid hours due to qualified<sup>2</sup> pharmacists. By 1968, some 470 hospitals indicated in this manner that they retained the services of at least one pharmacist on a full or part-time basis. Over the period 1962-68 the ratio of full-time pharmacists employed per reporting hospital was consistently 1.6.

From Table 5 it can be seen that the number of pharmacists employed by reporting hospitals has almost doubled from 525 in 1961 to 1,007 in 1968. Over this period full-time pharmacists have increased by 76 per cent or from 447 to 786 while part-time pharmacists have grown proportionately much faster going from 78 to 221 for a percentage increase of 183 per cent. Part-time pharmacists have increased from 15 per cent of total pharmacists employed in 1961 to 22 per cent of the total employed in 1968.

Generally speaking, 85 per cent of the pharmacists reported in any given year were employed by public general hospitals and approximately 90 per cent of these pharmacists were employed by hospitals of 100 or more beds. Regionally, some 60 per cent of reported pharmacists in 1961 were employed in Quebec and Ontario hospitals. By 1968 this proportion had increased to almost 65 per cent.

Table 2 shows that in 1961, full-time pharmacists made up 0.24 per cent of total full-time hospital personnel while part-time pharmacists made up 0.40 per cent of all part-time personnel. Over the period 1961-68 these proportions have increased to 0.30 and 0.56 per cent, respectively. Regionally Manitoba and Saskatchewan ratios tend to be higher than other provinces while New Brunswick ratios are relatively low.

Pharmacists employed per 100,000 population have increased from 2.9 in 1961 to 4.9 in 1968 (Table 3). Manitoba and Saskatchewan evidenced the largest rates over the period while Newfoundland and New Brunswick rates tended to be low.

<sup>1</sup> Unless otherwise specified, the hospital field refers to public, private and federal general and allied special hospitals.

<sup>2</sup> In this report, pharmacist means qualified pharmacist. See glossary for definition.

### Staff Separations

Staff separations for full-time pharmacists are listed in Table 6. These separations were used in calculating the turnover rates for full-time pharmacists as shown in Table 4. Inspection of this table reveals that the turnover rates for public general hospitals as a whole were higher in any given year than the rates for all hospitals. Within the public general hospitals the turnover rates for pharmacists tended to be highest in the larger hospitals. Provincially, Saskatchewan and Manitoba had relatively high turnover rates in many years while Prince Edward Island and Nova Scotia tended to have low rates.

### Paid Hours

Table 7 contains selected paid hour ratios for hospitals as a whole and the pharmacy department in particular. Again, it can be seen that these ratios for total public general hospitals were higher in any given year than the corresponding ratios for hospitals as a whole. Generally speaking, these ratios tended to be larger each year and tended to increase with bed size in the public general sector. Paid hours for pharmacists are listed in Table 8. The data exhibit the trends mentioned above with the added feature that while the paid hour ratios of Table 7 have increased in the order of 10 per cent from 1964 to 1968, paid hours for qualified pharmacists have increased by more than 35 per cent over the same period, indicating a trend towards more utilization of the services of pharmacists.

### Average Number of Patients per Day

Table 9 which represents the average number of patients (adults and children) in a given hospital on a given day is presented in each of these special reports as a form of back-drop against which the reader may compare any trends in personnel movement against a measure of the change in patient load. The table shows that the average number of patients in all hospitals on a given day has increased by more than 12 per cent from 83.7 in 1961 to 94.1 in 1968, while in public general hospitals the increase was almost 16 per cent. Regionally, Nova Scotia (21 per cent) and Newfoundland (20 per cent) experienced the largest gains over the period.

### Salary Cost

Revenue Fund expenditure per patient-day for all public<sup>3</sup> hospitals increased by 95 per cent from \$23.07 in 1961 to \$45.01 in 1968, while in public general hospitals the increase was 99 per cent to

<sup>3</sup> Only public hospitals are required to report financial data to DBS, therefore all hospitals in reference to financial data means all public hospitals.

\$48.44 (Table 11). At the same time salaries and wages per patient-day for all hospital personnel increased at an even greater pace (102 per cent for all hospitals and 105 per cent for general hospitals) to \$30.16 and \$32.31, respectively (Table 10).

Pharmacy department salary cost per patient-day for all hospitals rose by 59 per cent from \$0.22 in 1964 to \$0.35 in 1968, comparing favourably with the total hospital salary cost rise of 60 per cent over this period. From 1964 to 1968 pharmacy

department salary costs per patient-day have consistently accounted for 1.2 per cent of total hospital salary costs. Table 10 shows that over the years 1964-68 pharmacy department salary cost in public general hospitals tended to be lowest in the 1-9 and 25-49 bed groups, and then rose with hospital size. Regionally, Newfoundland and Prince Edward Island perennially have reported low salary costs for the pharmacy department while Quebec and Saskatchewan have tended to record high salary costs in this area.

TABLE 1. Hospitals Operating and Reporting,<sup>1</sup> by Province, 1962-68

Province	1962		1963		1964		1965		1966		1967		1968	
	Operat- ing	Report- ing <sup>2</sup>	Operat- ing	Report- ing	Operat- ing	Report- ing	Operat- ing	Report- ing	Operat- ing	Report- ing	Operat- ing	Report- ing	Operat- ing	Report- ing
<b>Canada</b>														
Public general by bed size .....	832	277	838	267	845	290	852	305	869	354	874	368	881	388
1- 9 beds .....	49	—	48	—	37	1	36	—	33	—	32	—	32	—
10- 24 " .....	208	6	203	3	202	5	203	4	204	8	206	8	200	12
25- 49 " .....	189	10	190	9	194	7	192	12	197	20	196	21	201	29
50- 99 " .....	133	47	138	40	140	48	144	51	149	69	147	74	145	73
100-199 " .....	126	97	127	90	131	95	130	96	128	105	128	105	130	105
200-299 " .....	49	41	49	44	55	50	58	54	63	59	67	63	70	67
300-499 " .....	45	43	45	43	48	46	51	50	56	55	59	58	58	57
500-999 " .....	26	26	31	31	31	31	30	30	30	30	30	30	37	37
1,000+ " .....	7	7	7	7	7	7	8	8	9	8	9	9	8	8
<b>All hospitals</b>														
<b>Canada</b> .....	<b>1,250</b>	<b>327</b>	<b>1,250</b>	<b>335</b>	<b>1,269</b>	<b>360</b>	<b>1,283</b>	<b>388</b>	<b>1,273</b>	<b>428</b>	<b>1,277</b>	<b>450</b>	<b>1,269</b>	<b>470</b>
Newfoundland .....	43	4	44	3	46	4	47	6	47	7	47	9	47	11
Prince Edward Island .....	9	4	9	4	9	3	9	2	9	3	9	1	9	3
Nova Scotia .....	53	21	52	18	51	22	51	21	50	22	50	22	50	23
New Brunswick .....	40	13	40	10	39	12	40	9	40	11	41	9	41	9
Quebec .....	260	80	262	92	266	100	273	116	264	123	269	129	266	132
Ontario .....	319	114	312	109	317	115	315	122	309	131	308	145	299	144
Manitoba .....	102	16	101	19	102	17	102	21	99	27	99	27	100	25
Saskatchewan .....	159	25	157	24	155	26	155	25	154	31	154	30	153	34
Alberta .....	126	21	131	22	141	24	141	28	151	33	150	36	153	43
British Columbia .....	110	27	111	32	112	35	119	36	116	38	118	40	117	44
Yukon .....	5	1	5	1	5	1	5	1	5	1	5	1	5	1
Northwest Territories .....	24	1	26	1	26	1	26	1	29	1	29	1	29	1

<sup>1</sup> Based upon the number of hospitals which reported paid hours for qualified pharmacists.  
<sup>2</sup> Data for 1962 include hospitals reporting paid hours for unqualified as well as qualified pharmacists.

TABLE 2. Qualified Pharmacists Employed<sup>1</sup> as a Percentage of Total Hospital Personnel,<sup>2</sup> 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							
<b>Canada</b> .....	<b>0.24</b>	<b>0.40</b>	<b>0.29</b>	<b>0.53</b>	<b>0.26</b>	<b>0.59</b>	<b>0.27</b>	<b>0.55</b>
Newfoundland .....	0.13	—	0.29	2.13	0.17	—	0.20	—
Prince Edward Island .....	0.33	—	0.44	2.08	0.32	1.47	0.21	1.39
Nova Scotia .....	0.27	0.17	0.27	0.34	0.27	0.52	0.32	0.64
New Brunswick .....	0.15	0.58	0.19	1.04	0.18	0.25	0.16	0.52
Quebec .....	0.19	0.39	0.28	0.53	0.21	0.85	0.21	0.85
Ontario .....	0.26	0.33	0.32	0.38	0.27	0.40	0.28	0.37
Manitoba .....	0.33	0.35	0.31	0.47	0.33	0.62	0.34	0.30
Saskatchewan .....	0.34	1.26	0.39	1.23	0.37	0.95	0.42	0.68
Alberta .....	0.22	0.62	0.22	1.01	0.21	1.09	0.23	0.83
British Columbia .....	0.27	0.40	0.25	0.64	0.32	0.77	0.30	0.77
Yukon .....	0.72	—	0.63	2.70	0.64	—	0.65	—
Northwest Territories .....	—	—	—	1.32	0.29	—	0.26	—
	1965		1966		1967		1968	
	Full-time	Part-time	Full-time	Part-time	Full-time	Part-time	Full-time	Part-time
	per cent							
<b>Canada</b> .....	<b>0.28</b>	<b>0.60</b>	<b>0.28</b>	<b>0.54</b>	<b>0.29</b>	<b>0.54</b>	<b>0.30</b>	<b>0.56</b>
Newfoundland .....	0.22	—	0.22	—	0.25	0.33	0.27	0.66
Prince Edward Island .....	0.19	—	0.18	1.25	0.09	1.37	0.09	1.82
Nova Scotia .....	0.32	0.24	0.29	0.38	0.29	0.40	0.29	0.47
New Brunswick .....	0.17	0.20	0.20	0.17	0.16	0.16	0.17	0.27
Quebec .....	0.24	1.00	0.24	0.65	0.27	0.55	0.28	0.62
Ontario .....	0.29	0.38	0.29	0.35	0.31	0.42	0.31	0.41
Manitoba .....	0.37	0.39	0.37	0.63	0.36	0.62	0.35	0.42
Saskatchewan .....	0.41	0.86	0.42	1.01	0.44	0.77	0.50	0.84
Alberta .....	0.24	1.08	0.27	0.77	0.30	0.74	0.27	0.90
British Columbia .....	0.31	0.87	0.31	0.99	0.30	0.93	0.30	0.85
Yukon .....	0.65	—	0.63	—	0.67	—	0.65	—
Northwest Territories .....	0.28	—	0.27	—	—	—	0.26	—

<sup>1</sup> Reported data.  
<sup>2</sup> Estimated data.

**TABLE 3. Qualified Pharmacists Employed<sup>1</sup> by General and Allied Special Hospitals per 100,000 Population,<sup>2</sup> by Province, 1961-68**

Province	1961	1962	1963	1964	1965	1966	1967	1968
Canada .....	2.9	3.7	3.5	3.7	4.1	4.2	4.6	4.9
Newfoundland.....	0.9	2.4	1.3	1.9	2.0	2.2	3.2	3.7
Prince Edward Island.....	2.9	4.7	3.7	2.8	1.8	2.8	1.8	2.7
Nova Scotia .....	3.3	3.4	3.3	4.1	4.0	4.0	4.2	4.5
New Brunswick .....	1.8	2.8	2.3	2.5	2.3	2.6	2.3	2.6
Quebec .....	2.2	3.3	3.1	3.3	4.0	3.9	4.4	4.9
Ontario .....	3.2	4.2	3.8	4.0	4.2	4.2	4.7	4.8
Manitoba .....	4.2	4.4	4.8	4.5	5.2	5.9	6.1	5.7
Saskatchewan.....	4.8	5.4	5.3	5.7	6.0	6.5	6.5	7.3
Alberta .....	2.7	3.1	3.2	3.6	4.1	4.4	5.4	5.6
British Columbia.....	2.9	3.0	3.8	3.7	4.1	4.2	4.3	4.3
Yukon .....	7.1	13.3	6.7	6.7	7.1	7.1	6.7	6.7
Northwest Territories.....	-	4.0	3.8	3.7	3.7	3.4	-	3.2

<sup>1</sup> Reported data full-time and part-time.  
<sup>2</sup> Estimate.

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

**TABLE 4. Turnover Rates<sup>1</sup> of Full-time Qualified Pharmacists, General and Allied Special Hospitals, by Province, 1962-68**

Province	1962 <sup>2</sup>	1963	1964	1965	1966	1967	1968
	per cent						
<b>Canada</b>							
Public general by bed size .....	21.6	20.8	22.2	24.6	26.0	24.7	21.6
1 - 9 beds .....	-	-	-	-	-	-	-
10- 24 " .....	0	0	-	-	-	0	0
25- 49 " .....	0	0	0	0	40.0	0	0
50- 99 " .....	23.8	13.3	21.6	33.3	15.0	17.0	13.0
100-199 " .....	18.4	10.9	7.3	17.4	21.0	16.9	12.7
200-299 " .....	14.5	22.8	19.0	16.1	26.4	23.4	13.8
300-499 " .....	17.6	15.6	10.8	30.2	25.6	23.2	21.3
500-999 " .....	24.1	28.1	34.6	28.4	29.7	28.3	28.2
1,000+ " .....	36.7	30.5	37.8	24.4	27.4	33.9	31.5
<b>All Hospitals</b>							
Canada .....	21.4	19.7	20.6	23.1	23.9	24.4	20.5
Newfoundland.....	0	13.3	13.3	0	19.0	30.8	6.3
Prince Edward Island.....	28.6	0	0	0	0	66.7	0
Nova Scotia .....	14.0	9.1	0	7.3	18.5	7.5	21.8
New Brunswick .....	17.4	7.7	24.0	24.0	35.7	14.3	14.8
Quebec .....	22.8	19.9	25.5	20.8	19.0	21.1	19.4
Ontario .....	17.3	17.8	22.3	26.9	30.3	27.3	22.7
Manitoba .....	26.5	31.4	32.4	30.0	23.5	32.6	6.9
Saskatchewan.....	28.9	37.0	18.6	41.3	29.8	28.9	31.1
Alberta .....	25.8	19.0	23.2	12.7	22.2	31.5	33.0
British Columbia.....	30.4	15.6	4.0	13.6	10.9	12.3	8.3
Yukon .....	0	0	0	0	0	0	0
Northwest Territories.....	-	0	0	0	0	100.0	0

<sup>1</sup> 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., formula for calculation is  $\frac{\text{Number of separations (1968)}}{\text{Number of employees (1967 + 1968)}} \times 100$ .

<sup>2</sup> Data for 1962 include unqualified, as well as qualified pharmacists.

**TABLE 5. Qualified Pharmacists 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
<b>Canada</b>								
Public general by bed size .....	386	62	512	93	449	100	488	101
1- 9 beds .....	-	-	-	-	-	-	-	1
10- 24 " .....	-	3	2	4	-	3	-	4
25- 49 " .....	2	4	2	8	-	8	1	7
50- 99 " .....	15	11	27	21	18	23	19	29
100-199 " .....	71	17	103	29	80	30	85	30
200-299 " .....	50	10	60	12	63	11	74	8
300-499 " .....	91	8	125	9	93	15	110	9
500-999 " .....	110	9	131	8	139	7	144	10
1,000+ " .....	47	-	62	2	56	3	55	3
<b>All hospitals</b>								
Canada .....	447	78	574	115	535	133	580	136
Newfoundland .....	4	-	9	2	6	-	9	-
Prince Edward Island .....	3	-	4	1	3	1	2	1
Nova Scotia .....	21	3	22	3	22	3	27	4
New Brunswick .....	10	1	13	4	13	1	12	3
Quebec .....	100	18	154	24	128	37	139	43
Ontario .....	169	29	225	41	203	45	218	44
Manitoba .....	34	5	34	7	36	10	38	5
Saskatchewan .....	35	9	41	9	40	9	46	8
Alberta .....	30	6	32	11	31	14	38	13
British Columbia .....	40	7	39	11	51	13	49	15
Yukon .....	1	-	1	1	1	-	1	-
Northwest Territories .....	-	-	-	1	1	-	1	-
<b>1965</b>								
<b>1966</b>								
<b>1967</b>								
<b>1968</b>								
	Full-time	Part-time	Full-time	Part-time	Full-time	Part-time	Full-time	Part-time
<b>Canada</b>								
Public general by bed size .....	529	123	579	135	636	156	676	176
1- 9 beds .....	-	-	-	-	-	-	-	-
10- 24 " .....	-	4	-	8	1	7	-	11
25- 49 " .....	3	12	2	16	2	19	3	24
50- 99 " .....	17	32	23	47	24	50	22	49
100-199 " .....	87	29	94	31	95	34	94	34
200-299 " .....	87	12	87	9	101	18	116	12
300-499 " .....	122	15	144	11	167	11	161	12
500-999 " .....	145	15	151	12	153	12	195	32
1,000+ " .....	68	4	78	1	93	5	85	2
<b>All hospitals</b>								
Canada .....	642	165	672	172	748	196	786	221
Newfoundland .....	10	-	11	-	15	1	17	2
Prince Edward Island .....	2	-	2	1	1	1	1	2
Nova Scotia .....	28	2	26	4	27	5	28	6
New Brunswick .....	13	1	15	1	13	1	14	2
Quebec .....	168	57	180	48	209	49	225	63
Ontario .....	236	49	240	51	273	64	283	66
Manitoba .....	42	8	43	14	43	16	44	11
Saskatchewan .....	46	11	48	14	49	13	54	16
Alberta .....	41	18	49	16	59	21	56	29
British Columbia .....	54	19	56	23	58	25	62	24
Yukon .....	1	-	1	-	1	-	1	-
Northwest Territories .....	1	-	1	-	-	-	1	-

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

Province	1961 <sup>1</sup>	1962 <sup>1</sup>	1963	1964	1965	1966	1967	1968
<b>Canada</b>								
Public general by bed size .....	116	97	100	104	125	144	150	142
1 - 9 beds .....	—	—	—	—	—	—	—	—
10 - 24 " .....	—	—	—	—	—	—	—	—
25 - 49 " .....	—	—	—	—	—	1	—	—
50 - 99 " .....	5	5	3	4	6	3	4	3
100-199 " .....	25	16	10	6	15	19	16	12
200-299 " .....	18	8	14	13	13	23	22	15
300-499 " .....	22	19	17	11	35	34	36	35
500-999 " .....	35	29	38	49	41	44	43	49
1,000+ " .....	11	20	18	21	15	20	29	28
<b>All hospitals</b>								
<b>Canada</b> .....	<b>125</b>	<b>109</b>	<b>109</b>	<b>115</b>	<b>141</b>	<b>157</b>	<b>173</b>	<b>157</b>
Newfoundland .....	—	—	1	1	—	2	4	1
Prince Edward Island .....	—	1	—	—	—	—	1	—
Nova Scotia .....	1	3	2	—	2	5	2	6
New Brunswick .....	1	2	1	3	3	5	2	2
Quebec .....	31	29	28	34	32	33	41	42
Ontario .....	58	34	38	47	61	72	70	63
Manitoba .....	1	9	11	12	12	10	14	3
Saskatchewan .....	19	11	15	8	19	14	14	16
Alberta .....	7	8	6	8	5	10	17	19
British Columbia .....	7	12	7	2	7	6	7	5
Yukon .....	—	—	—	—	—	—	—	—
Northwest Territories .....	—	—	—	—	—	—	1	—

<sup>1</sup> Data for 1961 and 1962 include unqualified, as well as qualified pharmacists.

**TABLE 7. Selected Paid Hours Ratios, General and Allied Special Hospitals, by Province, 1961-68**

Province	Paid hours, total hospital personnel per rated bed						
	1962	1963	1964	1965	1966	1967	1968
<b>Canada</b>							
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
<b>All hospitals</b>							
<b>Canada</b> .....	<b>3,538.1</b>	<b>3,576.6</b>	<b>3,656.9</b>	<b>3,777.9</b>	<b>3,864.6</b>	<b>3,941.6</b>	<b>4,039.3</b>
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	3,212.3	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 7. Selected Paid Hours Ratios, General and Allied Special Hospitals by Province, 1961 - 68 - Concluded

Province	Paid hours, total hospital personnel per patient-day <sup>1</sup>							
	1961	1962	1963	1964	1965	1966	1967	1968
<b>Canada</b>								
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
<b>All hospitals</b>								
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
<b>Paid hours pharmacy department per 100 patient-days<sup>1</sup></b>								
	1964	1965	1966	1967	1968			
<b>Canada</b>								
Public general by bed size .....	11.2	11.5	11.7	12.1	12.3			
1- 9 beds .....	11.4	6.6	5.8	15.5	23.1			
10- 24 " .....	9.1	15.5	12.8	13.3	13.0			
25- 49 " .....	7.9	8.3	8.5	9.6	8.5			
50- 99 " .....	8.5	8.4	8.1	8.3	8.8			
100-199 " .....	12.4	12.3	12.3	12.3	12.3			
200-299 " .....	11.1	11.9	12.1	12.1	11.9			
300-499 " .....	10.5	11.2	11.5	11.9	12.2			
500-999 " .....	11.7	11.8	12.4	13.5	13.5			
1,000+ " .....	11.4	11.9	12.8	13.1	14.5			
<b>All hospitals</b>								
Canada .....	10.2	10.5	10.8	11.1	11.4			
Newfoundland .....	7.1	7.5	7.3	7.8	8.5			
Prince Edward Island .....	10.8	9.6	8.7	9.3	10.0			
Nova Scotia .....	9.6	9.8	10.2	11.0	11.0			
New Brunswick .....	9.7	10.1	9.8	10.0	10.3			
Quebec .....	14.5	14.9	15.2	15.5	15.3			
Ontario .....	8.6	8.9	9.4	9.7	10.4			
Manitoba .....	8.9	9.0	9.1	9.7	10.1			
Saskatchewan .....	11.6	11.9	11.8	12.8	13.5			
Alberta .....	7.9	7.8	8.0	8.3	8.6			
British Columbia .....	6.9	7.1	7.5	7.7	7.8			
Yukon .....	10.5	9.8	9.1	9.3	10.7			
Northwest Territories .....	8.5	11.5	11.7	7.8	13.1			

<sup>1</sup> Adults and children.

**TABLE 8. Paid Hours of Qualified Pharmacists Employed<sup>1</sup> in Reporting General and Allied Special Hospitals, by Province, 1962 - 68**

Province	1962 <sup>2</sup>	1963	1964	1965	1966	1967	1968
<b>Canada</b>							
Public general by bed size.....	1,136,172	996,077	1,068,071	1,145,927	1,246,525	1,377,043	1,458,335
1 - 9 beds .....	—	—	600	—	—	—	—
10 - 24 " .....	6,223	448	983	1,025	2,115	3,010	4,015
25 - 49 " .....	11,310	6,422	5,257	10,466	14,138	16,543	17,532
50 - 99 " .....	69,240	49,649	52,713	53,336	68,856	81,488	82,076
100-199 " .....	235,406	182,692	195,879	196,437	205,613	210,152	209,829
200-299 " .....	133,749	131,734	159,695	173,572	185,103	212,212	236,292
300-499 " .....	258,580	205,792	236,090	274,333	305,361	359,761	330,691
500-999 " .....	271,106	291,683	297,547	296,198	308,198	309,621	408,209
1,000 + .....	150,558	127,657	119,307	140,560	157,141	184,256	169,691
<b>All hospitals</b>							
Canada.....	1,255,134	1,132,281	1,216,826	1,318,743	1,400,481	1,565,175	1,644,648
Newfoundland.....	21,053	11,790	13,693	19,522	18,495	30,564	35,821
Prince Edward Island .....	9,180	7,339	5,823	4,264	4,380	2,080	3,328
Nova Scotia.....	46,116	46,203	51,434	53,983	53,716	59,720	63,040
New Brunswick.....	28,913	26,117	27,110	26,000	29,393	28,163	29,069
Quebec.....	347,831	271,537	298,401	339,318	351,513	389,943	425,138
Ontario.....	463,455	422,374	457,932	495,441	521,267	596,075	598,364
Manitoba .....	79,706	71,507	77,068	80,155	90,844	90,978	89,127
Saskatchewan.....	91,169	95,284	105,089	104,128	113,105	115,775	125,948
Alberta.....	79,507	75,051	77,524	82,346	93,240	121,648	134,239
British Columbia .....	85,818	101,084	98,665	109,463	120,493	126,831	137,329
Yukon.....	2,026	2,037	2,096	2,035	1,966	2,006	2,203
Northwest Territories .....	360	1,958	1,991	2,088	2,069	1,392	1,042

<sup>1</sup> Full-time and part-time.

<sup>2</sup> Data for 1962 include unqualified, as well as qualified pharmacists.

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

Province	1961	1962	1963	1964	1965	1966	1967	1968
<b>Canada</b>								
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	106.8	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
<b>All hospitals</b>								
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

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

**TABLE 10. Salary Cost per Patient-day,<sup>1</sup> Total Hospital and Pharmacy Department, Public General and Allied Special Hospitals,<sup>2</sup> by Province, 1961 - 68**

Province	Total hospital salary cost per patient-day <sup>1</sup>								Pharmacy salary cost per patient-day <sup>1</sup>				
	1961	1962	1963	1964	1965	1966	1967	1968	1964	1965	1966	1967	1968
dollars													
<b>Canada</b>													
Public general by bed size .....	15.74	17.20	18.18	19.92	22.06	25.22	28.83	32.31	0.23	0.26	0.29	0.33	0.38
1 - 9 beds .....	12.34	13.53	14.34	15.06	15.16	17.33	19.73	22.56	0.24	0.11	0.14	0.26	0.84
10 - 24 " .....	10.83	11.64	12.03	13.11	14.07	15.69	17.80	20.46	0.20	0.28	0.33	0.39	0.35
25 - 49 " .....	11.57	12.09	12.71	13.56	14.61	16.30	18.71	21.50	0.15	0.17	0.20	0.25	0.25
50 - 99 " .....	12.48	13.14	14.15	15.08	16.63	18.75	21.55	24.72	0.17	0.18	0.20	0.24	0.27
100 - 199 " .....	14.35	15.78	16.51	18.35	20.19	23.10	25.97	28.71	0.24	0.26	0.29	0.33	0.36
200 - 299 " .....	15.80	17.19	17.91	19.19	21.30	24.62	27.28	30.50	0.23	0.26	0.30	0.32	0.36
300 - 499 " .....	16.80	18.19	18.84	20.92	23.63	26.57	30.49	33.15	0.23	0.26	0.29	0.34	0.38
500 - 999 " .....	18.22	19.75	21.18	23.48	26.02	30.42	35.33	38.86	0.25	0.27	0.31	0.37	0.41
1,000 + " .....	19.68	22.03	23.30	25.23	27.26	30.87	34.96	40.32	0.26	0.28	0.33	0.38	0.45
<b>All hospitals</b>													
<b>Canada</b> .....	<b>14.94</b>	<b>16.22</b>	<b>17.14</b>	<b>18.82</b>	<b>20.77</b>	<b>23.67</b>	<b>26.94</b>	<b>30.16</b>	<b>0.22</b>	<b>0.24</b>	<b>0.27</b>	<b>0.31</b>	<b>0.35</b>
Newfoundland .....	10.93	11.09	11.76	13.96	15.03	17.01	21.06	25.89	0.13	0.15	0.15	0.19	0.23
Prince Edward Island .....	10.31	10.26	11.13	12.76	14.01	15.81	17.98	19.04	0.15	0.16	0.17	0.20	0.21
Nova Scotia .....	14.12	14.92	15.53	16.94	18.11	19.62	23.45	26.96	0.18	0.20	0.23	0.26	0.30
New Brunswick .....	13.63	15.05	15.85	16.62	17.44	18.79	22.11	24.61	0.18	0.19	0.20	0.22	0.24
Quebec .....	14.39	16.27	18.11	21.24	24.73	30.18	34.08	35.17	0.28	0.31	0.37	0.43	0.47
Ontario .....	16.19	17.61	18.23	19.47	21.05	23.41	26.57	31.07	0.20	0.22	0.24	0.28	0.33
Manitoba .....	14.75	14.98	15.68	16.76	18.34	20.43	23.04	26.42	0.20	0.22	0.24	0.27	0.31
Saskatchewan .....	14.07	15.19	15.05	16.48	17.81	19.64	21.70	24.76	0.29	0.31	0.34	0.39	0.43
Alberta .....	12.89	13.40	14.41	15.11	16.25	18.19	21.42	23.69	0.16	0.17	0.18	0.23	0.24
British Columbia .....	15.96	17.03	17.42	18.45	19.75	21.15	24.09	28.52	0.17	0.18	0.20	0.22	0.25
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	0.16	0.22	0.18	0.09	-

<sup>1</sup> Adults and children.

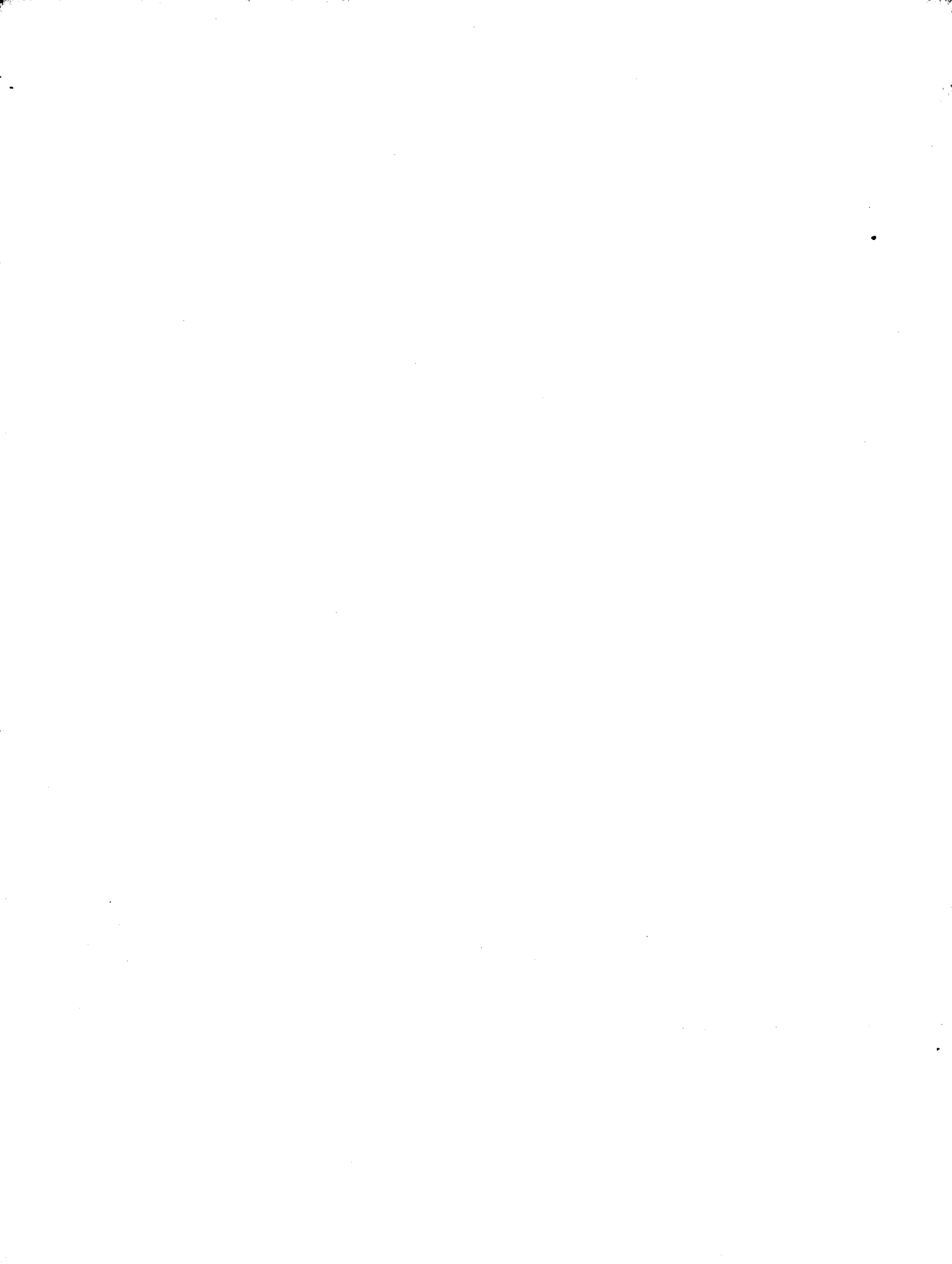
<sup>2</sup> Only public hospitals are required to submit financial data to the Dominion Bureau of Statistics.

**TABLE 11. Revenue Fund Expense per Patient-day, Public General and Allied Special Hospitals,<sup>1</sup> by Province, 1961 - 68**

Province	1961	1962	1963	1964	1965	1966	1967	1968
dollars								
<b>Canada</b>								
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
<b>All hospitals</b>								
<b>Canada</b> .....	<b>23.07</b>	<b>24.82</b>	<b>26.87</b>	<b>29.18</b>	<b>31.92</b>	<b>36.06</b>	<b>40.38</b>	<b>45.01</b>
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	29.93	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
Northwest Territories .....	32.21	22.04		25.18	27.68	29.37	32.87	36.36

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









## SELECTED PUBLICATIONS ON HEALTH STATISTICS

Obtainable from Publications Distribution Unit, Financial Services Section,  
Dominion Bureau of Statistics or Queen's Printer, Ottawa, Canada

Catalogue  
number

### VITAL STATISTICS

- 84-001 Vital Statistics, M., Bil.
- 84-201 Vital Statistics—Preliminary, A., Bil.
- 84-202 Vital Statistics—Final, A., Bil.
- 84-203 Causes of Death A.E. (detailed 4th digit list for Canada and provinces by age and sex)

#### Analytical Reports:

##### Causes of Death (detailed 4th digit list):

- 84-514 Causes of Death, Canada, 1950-60, O., E.
- 84-519 Causes of Death, Canada, 1958-1964, O., E.

##### Life Tables:

- 84-510 Canadian Life Tables, 1950-1952, 1955-1957, O., Bil.
- 84-512 Provincial and Regional Life Tables, 1950-1952, 1955-1957, O., Bil.
- 84-515 Life Tables for Canada and Regions, 1941 and 1931, O., Bil.
- 84-516 Canadian Life Tables, 1960-1962, O., Bil.
- 84-517 Provincial and Regional Life Tables, 1960-1962, O., Bil.
- 84-518 Life Expectancy Trends, 1930-1932 to 1960-1962, O., E.
- 84-527 Complete Life Tables by Sex, Canada and provinces, 1965-1967, O., Bil.

##### Cancer Mortality:

- 84-520 General Cancer Mortality, 1950-1963, O., Bil.
- 84-521 Cancer Mortality by Site, 1950-1963, O., Bil.

##### Accident Mortality:

- 84-522 Accident Mortality, 1950-1964, O., Bil.

##### Infant Mortality:

- 84-524 Infant Mortality, 1950-1964, O., Bil.

##### Nuptiality:

- 84-523 Nuptiality, 1950-1964, O., Bil.

### HOSPITALS AND HEALTH MANPOWER

- 83-001 Hospital Indicators, Q., Bil.
- 83-201 List of Canadian Hospitals and Related Institutions and Facilities, A., Bil.
- 83-210 Hospital Statistics, Vol. I, Hospital Beds, A., Bil.
- 83-211 Hospital Statistics, Vol. II, Hospital Services, A., Bil.
- 83-212 Hospital Statistics, Vol. III, Hospital Personnel, A., Bil.
- 83-213 Hospital Statistics, Vol. IV, Balance Sheets, A., Bil.
- 83-214 Hospital Statistics, Vol. V, Hospital Revenues, A., Bil.
- 83-215 Hospital Statistics, Vol. VI, Hospital Expenditures, A., Bil.
- 83-216 Hospital Statistics, Vol. VII, Hospital Indicators, A., Bil.
- 83-217 Hospital Statistics (Preliminary Report), A., Bil.
- 83-205 Mental Health Statistics, Vol. III, Institutional Facilities, Services and Finances, A., Bil.
- 83-207 Tuberculosis Statistics, Vol. II, Institutional Facilities, Services and Finances, A., Bil.
- 83-218 Annual Salaries of Hospital Nursing Personnel, A., Bil.
- 83-219 Annual Salaries of Public Health Nurses, A., Bil.
- 83-507 Health Manpower in Hospitals—General, 1961-68, O., E.
- 83-508 Health Manpower in Hospitals—Radiological Technicians, 1961-68, O., E.
- 83-509 Health Manpower in Hospitals—Laboratory Technologists, 1961-68, O., E.
- 83-510 Health Manpower in Hospitals—Physio-Occupational Therapists, 1961-68, O., E.
- 83-511 Health Manpower in Hospitals—Dietitians, 1961-68, O., E.
- 83-512 Health Manpower in Hospitals—Pharmacists, 1961-68, O., E.
- 83-513 Health Manpower in Hospitals—Medical Record Librarians, 1961-68, O., E.
- 83-514 Health Manpower in Hospitals—Psychologists, 1961-68, O., E.
- 83-515 Health Manpower in Hospitals—Social Workers, 1961-68, O., E.
- 83-516 Health Manpower in Hospitals—Radiologists and Pathologists, 1961-68, O., E.
- 83-517 Health Manpower in Hospitals—Graduate Nurses, 1961-68, O., E.
- 83-518 Health Manpower in Hospitals—Nursing Assistants, 1961-68, O., E.

### MENTAL HEALTH STATISTICS

- 83-204 Mental Health Statistics, Vol. I, Institutional Admissions and Separations, A., Bil.
- 83-208 Mental Health Statistics, Vol. II, Patients on Books of Institutions, A., Bil.
- 83-504 Rates and Probabilities of Separation from Mental Institutions, 1956-58, E.
- 83-505 Trends in Hospital Care and Patient Characteristics, 1955-1963, E.
- 83-506 Expectation of Admission to a Canadian Psychiatric Institution, O., Bil.  
Mental Health Statistics, Patient Movement, Preliminary, A., Bil. (Free)

### PUBLIC HEALTH STATISTICS

- 82-201 Notifiable Diseases, A., Bil.
- 83-206 Tuberculosis Statistics, Vol. I, Tuberculosis Morbidity and Mortality, A., Bil.
- 82-522 Infectious Hepatitis, 1961, E.
- 82-206 Hospital Morbidity, A., Bil.

### HEALTH AND WELFARE TECHNICAL REPORTS

1. Canadian Abridged Life Tables, 1961-1963, E. (Free)
2. Provincial Abridged Life Tables, 1961-1963, E. (Free)
3. Canadian Joint Life Tables, 1960-1962, E. (Free)

M.—Monthly      Q.—Quarterly      E.—English      A.—Annual      O.—Occasional      B.—Bilingual

*In addition to the selected publications listed above, the Dominion Bureau of Statistics publishes a wide range of statistical reports on Canadian economic and social affairs including detailed reports on the 1961 and 1966 Censuses. A comprehensive catalogue of all current publications is available free on request from the Dominion Bureau of Statistics, Ottawa 3.*