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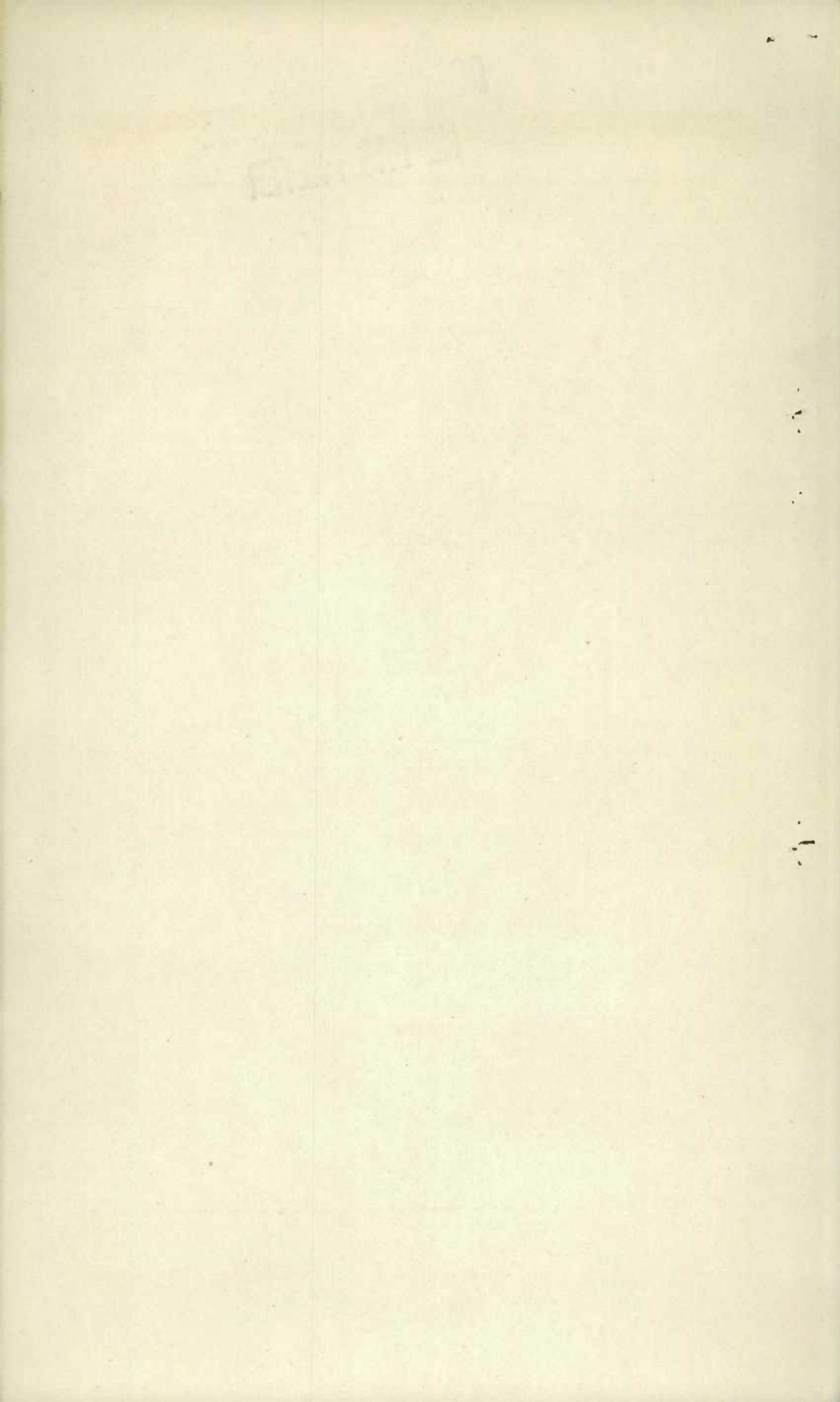
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FOREWORD

This Bulletin gives a preliminary report on Births, Deaths and Marriages for the month of July 1923 for the Registration Area of Canada comprising the provinces of Prince Edward Island, Nova Scotia, New Brunswick, Ontario, Manitoba, Saskatchewan, Alberta and British Columbia. In comparing the figures for July 1923 with those of the same month in the three previous years it should be remembered that for the previous years the reports represent the final figures, while those for 1923 are provisional.

BIRTHS

Birth returns for Canada (exclusive of Quebec) numbered 12,838, being 6,614 males and 6,224 females in July 1923, as compared with 14,109 in July 1922; 14,342 in July 1921 and 14,368 in July 1920. The equivalent annual birth rate per 1,000 population for the month was 22.7 in 1923; 25.4 in 1922; 26.4 in 1921 and 27.0 per 1,000 population in 1920.

Total births and equivalent annual birth rates per 1,000 population by provinces are given in Table 1.

TABLE 1.- BIRTHS BY PROVINCES IN JULY 1923, 1922, 1921, 1920

Provinces	Births (Stillbirths excluded)				Equivalent annual birth rate per 1,000 population			
	1923	1922	1921	1920	1923	1922	1921	1920
P.E. Island	152	209	187	195	20.3	27.9	24.8	25.8
Nova Scotia	997	1,059	1,113	1,109	22.0	23.6	25.0	25.1
New Brunswick	851	1,014	997	947	25.2	30.4	30.3	29.1
Ontario	5,943	6,266	6,341	6,223	23.1	24.7	25.4	25.4
Manitoba	1,430	1,568	1,505	1,572	26.2	29.5	29.0	30.9
Saskatchewan	1,556	1,806	1,857	1,953	22.5	27.1	28.9	31.3
Alberta	1,148	1,352	1,398	1,434	21.3	26.0	28.0	29.6
British Columbia	761	835	944	935	16.8	18.9	22.0	22.4
Totals	12,838	14,109	14,342	14,368	22.7	25.4	26.4	27.0

Of the total births (12,838) reported for the Registration Area in July, 12,539 were single births, 148 twins (296 infants) and 1 set of triplets (3 infants). During the month 474 stillbirths were reported, making a total of 13,162 confinements, as against 13,039 in June and 13,731 in May.

The living births are distributed in the next table by sex and number of children.

TABLE 2.- LIVING BIRTHS CLASSIFIED ACCORDING TO SEX AND WHETHER SINGLE OR PLURAL, JULY 1923

Provinces	Total	Male	Female	Single Births	Pairs of Twins	Sets Triplets
P.E. Island	152	76	76	152	-	-
Nova Scotia	997	524	473	975	11	-
New Brunswick	851	431	420	837	7	-
Ontario	5,943	3,028	2,915	5,822	59	1
Manitoba	1,430	740	690	1,388	21	-
Saskatchewan	1,556	832	724	1,504	26	-
Alberta	1,148	603	545	1,114	17	-
British Columbia	761	380	381	747	7	-
Total	12,838	6,614	6,224	12,539	148	1

(2) Stillbirths reported in July were distributed as follows: Prince Edward Island 4; Nova Scotia 39; New Brunswick 21; Ontario 250; Manitoba 56; Saskatchewan 55; Alberta 27; British Columbia 22, a total for the eight provinces of 474.

There were also reported 13 instances of twin births in which one child was stillborn; 1 in New Brunswick; 3 in Ontario; 3 in Manitoba; 3 in Saskatchewan; 2 in Alberta; 1 in British Columbia. These instances are included as single births in the tables.

The number of living births reported in each of the 13 cities with a population of 30,000 and over is given in Table 3. In 12 of the cities there were fewer births reported in July 1923 than in July 1922. In only one city, Windsor, was the number of living births reported equal to or greater in July 1923 than in July 1920.

TABLE 3.-BIRTHS IN CITIES OF 30,000 AND OVER, JULY 1923, 1922, 1921, 1920

Cities of 30,000 and over	1923	1922	1921	1920
Toronto	1,106	1,117	1,191	1,107
Hamilton	254	275	286	270
Ottawa	223	287	250	249
London	129	136	146	140
Windsor	115	118	106	103
Winnipeg	457	533	525	526
Regina	77	95	89	79
Calgary	136	149	209	202
Edmonton	177	187	170	179
Vancouver	219	230	270	252
Victoria	81	83	77	105
Halifax	131	147	149	156
St. John	109	101	98	126

INFANTILE MORTALITY

Table 4 gives the number of children under one year of age who died in July 1923, 22, 21 and 20, together with the infantile mortality rate per 1,000 living births.

The death rate among children under one year of age in July was 67.7 per 1,000 living births, as compared with 69.9 in the month of June and 64.0 per 1,000 births in July 1922. The average for the four years for the month of July was 72.4. The highest death rate for July was reported from Manitoba 97.2 and the lowest for British Columbia 40.7 per 1,000 living births. New Brunswick and Nova Scotia were each below the general average for the Registration Area.

TABLE 4.- INFANT MORTALITY BY TOTALS FOR PROVINCES, JULY 1923, 1922, 1921, 1920, TOGETHER WITH THE RATE PER 1,000 LIVING BIRTHS

Provinces	Infant Deaths				Infant Death Rate per 1,000 living births			
	1923	1922	1921	1920	1923	1922	1921	1920
P.E.I.	7	13	9	11	46.1	62.2	48.1	56.9
Nova Scotia	77	76	84	113	77.2	71.8	75.5	101.9
New Brunswick	57	67	109	100	67.0	66.1	109.3	105.6
Ontario	367	402	542	542	61.8	64.2	85.5	87.1
Manitoba	99	109	89	140	97.2	69.5	59.1	89.1
Saskatchewan	116	108	137	141	74.6	59.8	73.8	72.2
Alberta	87	81	71	103	75.8	59.9	50.8	71.8
British Columbia	31	47	32	49	40.7	56.3	33.9	52.4
Totals	841	903	1,073	1,199	67.7	64.0	74.8	83.4

Of the total number of infant deaths reported for July in the Registration Area 88.5 per cent or 744, out of 841 were attributable to the 13 causes of death listed in Table 5. The mortality among male children, under one year, was 69.5 per 1,000 males born, or 460 deaths to 6,614 living male births in the month, while the mortality for females, under one year, was 61.2 per 1,000 females born or 381 deaths to 6,224 living female births.

TABLE 5.—MORTALITY OF CHILDREN UNDER ONE YEAR OF AGE FOR CERTAIN PRINCIPAL CAUSES OF DEATH, AND BY SEX IN PROVINCES, JULY 1923

Causes of Death		Eight Provinces	P.E.I.	Nova Scotia	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia
	T M F	T M F	T M F	T M F	T M F	T M F	T M F	T M F	T M F	T M F
Premature Birth	244 134 110	- - -	24 15 9	7 2 5	108 54 54	23 12 11	41 27 14	31 18 13	10 6 4	10 6 4
Injury at Birth	35 20 15	- - -	3 2 1	1 1 1	20 10 10	2 2 2	3 3 3	1 1 1	1 1 1	1 1 1
Gastro-Intestinal Diseases	115 73 42	- - -	1 3 1	5 4 1	55 36 19	15 10 5	16 12 4	17 7 10	3 2 1	3 2 1
Congenital Debility	101 55 46	- - -	1 7 4	10 7 3	44 25 19	13 6 5	15 6 5	5 2 4	5 2 3	2 1 1
Pneumonia	55 30 25	- - -	1 7 3	3 3 4	22 13 11	11 6 2	11 6 2	11 6 2	11 6 2	11 6 2
Pronchitis	44 25 4	- - -	1 7 4	1 1 1	13 10 8	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1
Congenital Malformations	53 32 21	- - -	1 1 1	2 1 1	29 18 11	6 4 2	6 4 2	2 1 1	6 5 5	6 5 5
Convulsions	22 10 12	- - -	1 1 1	1 1 1	12 10 11	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1
Whooping Cough	44 16 28	- - -	2 2 2	4 2 2	15 12 11	4 2 1	4 5 5	4 3 3	3 2 3	3 2 3
Communicable Diseases	26 14 12	- - -	1 1 1	2 1 1	9 8 7	3 2 2	3 3 3	4 3 1	4 3 1	4 3 1
Syphilis	5 2 2	- - -	1 1 1	1 1 1	4 2 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1
Meningitis	3 7 4	- - -	1 1 1	1 4 4	2 3 3	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1
Other Causes in early infancy	3 3 3	- - -	1 1 1	4 2 2	13 10 8	6 6 6	6 6 6	4 4 4	4 2 2	4 2 2
All other Causes	33 13 20	- - -	1 1 1	4 2 2	37 20 17	14 9 5	12 7 5	7 3 4	7 3 3	7 3 3
Total Both Sexes	841	7	77	57	367	99	116	87	35	35
" Males	460	3	44	38	195	52	66	46	26	26
" Females	381	4	33	19	172	47	50	41	15	15
Rate per 1,000 living births	67.7	46.1	77.2	67.0	61.8	97.2	74.6	75.8	40.7	40.7

MATERNAL MORTALITY

The statistics relative to Maternal Mortality are given in Tables 6 and 7. In Table 6 the deaths are classified according to the age of decedents and rate per 1,000 living births, while in Table 7 the Mortality is distributed according to the 1920 International List of Causes of Death.

TABLE 6.- MATERNAL MORTALITY, JULY 1923, BY AGE GROUPS

Age Groups	Total	P.E.I.	N.S.	N.B.	Ont.	Man.	Sask.	Alta.	B.C.
15-19	2	-	-	-	2	-	-	-	-
20-24	12	-	1	2	7	-	1	-	-
25-29	11	-	-	-	3	3	2	1	2
30-39	29	-	4	-	16	2	4	1	2
40-49	10	-	-	-	4	4	-	-	-
50 and over	-	-	-	-	-	-	-	-	-
Age not stated	-	-	-	-	-	-	-	-	-
Totals	64	-	5.0	4	30	9	7	2	7
Rate per 1,000 living births (1923)	5.0	-	5.0	4.7	5.0	6.3	4.5	1.7	9.2
(1922)	5.1	4.8	5.7	4.9	4.8	3.8	5.5	5.9	7.2
(1921)	5.2	-	3.6	2.0	5.5	4.0	7.5	6.4	4.2

TABLE 7.- MATERNAL MORTALITY BY CAUSES OF DEATH, JULY 1923

Causes of Death	Total	P.E.I.	Nova Scotia	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia
Accidents of pregnancy	3	-	-	-	-	-	-	-	1
(a) Abortion	1	-	-	-	-	-	1	-	-
(b) Ectopic gestation	2	-	-	-	-	-	1	-	2
(c) Other accidents of pregnancy	-	-	-	-	-	-	-	-	-
Puerperal haemorrhage	11	-	3	-	5	-	-	-	2
Other accidents of childbirth	1	-	-	-	-	-	1	-	-
(a) Caesarean section	-	-	-	-	-	-	-	-	-
(b) Other surgical operations and instrumental delivery	4	-	-	-	4	-	-	-	-
(c) Others under this title	1	-	-	-	-	-	-	-	1
Puerperal sepsis	15	-	-	1	9	3	1	1	-
Phlegmasia alba dolens; puerperal embolism or sudden death in puerperium	7	-	-	-	2	-	3	-	2
Puerperal albuminuria and convulsions	20	-	2	2	10	3	-	1	2
Following childbirth (not otherwise defined)	2	-	-	1	-	1	-	-	-
Puerperal diseases of the breast	-	-	-	-	-	-	-	-	-
Totals	64	-	5	4	30	9	7	2	7

Total deaths in an estimated population of 6,691,000 for July numbered 4,658, as against 4,856 in a population of 6,552,000 in July 1922 and 5,067 in a population of 6,414,000 in July 1921. The equivalent annual death rate for July 1923 was 8.2 per 1,000 population, as compared with 8.8 and 9.3 in July 1922 and 1921.

TABLE 8.- TOTAL DEATHS AND DEATH RATES BY PROVINCES, JULY 1923, 1922, 1921, 1920

Provinces	Total Deaths				Equivalent annual death rate per 1,000 pop'n			
	1923	1922	1921	1920	1923	1922	1921	1920
P.E.I.	67	63	85	85	9.0	8.4	11.3	11.2
Nova Scotia	451	456	437	474	10.0	10.2	9.8	10.7
New Brunswick	316	332	415	396	9.4	10.2	12.6	12.1
Ontario	2,378	2,454	2,704	2,732	9.2	9.7	10.9	11.1
Manitoba	365	413	369	465	6.7	7.8	7.1	9.2
Saskatchewan	396	434	434	410	5.7	6.5	6.7	6.6
Alberta	349	357	330	396	6.5	6.9	6.6	8.2
British Columbia	336	340	293	344	7.4	7.7	6.8	8.2
Totals	4,658	4,856	5,067	5,302	8.2	8.8	9.3	9.9

The equivalent annual death rate for July was the lowest for the same month in the four years covered by the national compilations. Diseases of the heart lead as a cause of death with 503, followed by Cancer with 425 and Tuberculosis with 391 deaths. These three causes account for nearly 30 per cent of all deaths occurring in July 1923. For details of mortality due to Cancer and Tuberculosis see Tables 10 and 11.

TABLE 9.- DEATHS BY CERTAIN SPECIFIED CAUSES BY PROVINCES, JULY 1923.

Causes of Death	Total	P.E.I.	N.S.	N.B.	Ont.	Man.	Sask.	Alta.	B.C.
Diseases of the heart	503	8	35	38	292	28	34	31	37
Pneumonia	185	3	29	14	86	14	21	10	8
Cancer	425	12	41	29	217	31	34	27	34
Tuberculosis of the lungs	315	4	45	33	146	22	18	22	25
Tuberculosis, other organs	76	1	7	6	27	7	10	9	9
Diseases of the Arteries	179	2	11	13	123	8	6	6	10
Diarrhoea and Enteritis	153	1	6	5	82	19	19	19	2
Congenital Malformations	58	1	4	3	30	6	2	6	6
Congenital Debility	102	1	12	10	44	13	15	5	2
Premature birth	243	-	24	7	108	23	40	31	10
Injury at birth	35	-	3	1	20	2	3	1	5
Convulsions (under 5 yrs)	28	-	6	2	9	3	5	3	-
Maternal Mortality	64	-	5	4	30	9	7	2	7
Senility	179	7	34	10	103	7	9	2	7
Cerebral Haemorrhage	176	4	16	8	111	6	8	6	17
Influenza	51	-	10	5	21	4	6	2	3
Nephritis	174	4	23	13	92	10	8	10	14
Diphtheria	60	-	2	2	31	10	6	3	6
Bronchitis	18	-	1	2	12	2	1	-	-
Appendicitis	71	-	5	4	31	6	10	9	6
Anaemia chlorosis	59	2	2	2	44	3	5	-	-
Paralysis	52	2	7	5	27	1	2	4	4
Diabetes mellitus	43	1	2	2	25	2	3	3	5
All other causes	1,409	14	121	97	667	129	124	138	112
Totals	4,658	67	451	316	2,378	365	396	349	336

(6)

TABLE 10.- DEATHS FROM CANCER BY SEX, JULY 1923

Kinds		Total	P.E.I.	N.S.	N.B.	Ont.	Man.	Sask.	Alta.	B.C.
	M									
	F									
Total		425	12	41	29	217	31	34	27	34
	M	187	4	22	8	93	11	20	13	16
	F	238	8	19	21	124	20	14	14	18
Buccal Cavity	M	19	1	2	1	11	-	-	2	2
	F	1	-	-	-	-	-	-	-	1
Stomach & Liver	M	86	1	11	2	36	5	15	6	10
	F	79	4	8	4	41	8	5	5	4
Peritoneum, intestines and rectum	M	24	1	1	1	14	2	2	-	2
	F	31	2	3	-	19	2	1	2	2
Female genital organs	F	44	-	2	6	25	3	3	3	2
Breast	F	43	1	1	3	24	3	2	3	6
Skin	M	9	-	1	2	6	-	-	-	-
	F	3	-	-	1	1	-	1	-	-
Unspecified organs	M	49	1	7	2	26	4	3	5	1
	F	37	1	5	7	14	4	2	1	3

TABLE 11.- DEATHS FROM TUBERCULOSIS BY SEX, JULY 1923

Kinds		Total	P.E.I.	N.S.	N.B.	Ont.	Man.	Sask.	Alta.	B.C.
	M									
	F									
Total		391	5	52	39	173	29	28	31	34
	M	200	2	31	20	82	19	10	18	18
	F	191	3	21	19	91	10	18	13	16
Respiratory System	M	166	2	26	18	71	14	7	14	14
	F	149	2	19	15	75	8	11	8	11
Meninges and central nervous system	M	8	-	1	2	3	1	-	-	1
	F	12	1	1	1	4	-	2	3	-
Intestines and peritoneum	M	6	-	1	-	2	-	1	2	-
	F	15	-	1	1	6	1	2	-	4
Vertebral column	M	4	-	1	-	2	-	1	-	-
	F	6	-	-	1	3	-	1	1	-
Joints	M	1	-	-	-	1	-	-	-	-
	F	1	-	-	-	-	-	-	-	1
Other organs	M	7	-	1	-	1	2	1	-	2
	F	4	-	-	-	2	1	-	1	-
Disseminated	M	8	-	1	-	2	2	-	2	1
	F	4	-	-	1	1	-	2	-	-

TABLE 12.- DEATHS BY CERTAIN SPECIFIED CAUSES IN CITIES OF 30,000 AND OVER, JULY 1923

Causes of Death	Total	Toronto	Hamilton	Ottawa	London	Windsor	Winnipeg	Regina	Calgary	Edmonton	Vancouver	Victoria	Halifax	St. John
Diseases of the heart	131	50	8	8	7	4	9	1	7	5	10	9	5	9
Pneumonia	47	20	1	4	2	4	4	-	2	1	2	-	0	3
Cancer	121	37	8	5	10	2	18	4	4	3	14	3	9	4
Tuberculosis of the lungs	67	11	3	10	5	3	7	2	1	5	12	1	5	2
Tuberculosis, other organs	24	4	1	1	-	1	2	1	2	2	7	-	2	1
Diseases of the Arteries	51	22	3	5	7	4	2	2	2	-	2	2	-	-
Diarrhoea and Enteritis	30	7	3	9	-	3	1	2	1	-	1	1	-	2
Congenital Malformations	19	6	3	1	-	-	1	-	-	3	3	1	1	-
Congenital Debility	26	6	-	5	1	3	5	1	-	1	5	-	1	2
Premature birth	50	9	5	5	2	3	7	-	5	4	5	-	4	1
Injury at birth	10	3	1	1	1	-	1	-	1	-	1	1	-	1
Convulsions (under 5 years)	4	-	1	1	1	-	1	-	-	-	-	-	-	1
Maternal Mortality	18	6	-	2	2	-	4	-	-	-	3	-	1	2
Senility	21	11	1	-	2	1	1	2	-	-	-	-	-	2
Cerebral Haemorrhage, apoplexy	48	15	7	3	2	1	2	-	3	-	7	4	1	3
Influenza	8	1	1	1	-	-	3	-	-	1	-	2	2	2
Nephritis	54	9	3	6	9	1	4	1	2	3	5	5	1	7
Diphtheria	28	7	7	4	-	-	2	-	2	-	5	5	-	-
Bronchitis	3	1	2	-	-	-	-	-	-	-	-	-	-	-
Appendicitis	26	5	2	7	2	-	2	-	1	2	1	1	-	1
Anæmia chlorosis	19	9	2	3	2	-	1	-	-	-	-	-	-	2
Paralysis	12	4	-	4	-	1	-	-	-	2	1	-	-	-
Diabetes mellitus	13	3	-	2	2	1	2	1	1	-	1	1	-	-
All other causes	351	117	28	33	17	15	34	6	18	19	35	10	11	8
Totals	1,181	363	88	120	76	45	113	23	52	51	116	38	54	42

MARRIAGES

The total number of marriages reported for the Registration Area in July 1923 (3,897) was slightly greater than in July 1922, (3,806) or July 1921, (3,832). The equivalent annual rate for the month in each of the three years was practically the same, 6.9 per 1,000 population in 1923 and 1922 and 7.0 per 1,000 in 1921.

TABLE 13.- MARRIAGES REPORTED IN JULY 1923, 1922, 1921, 1920

Provinces	Number				Equivalent annual rate per 1,000 population			
	1923	1922	1921	1920	1923	1922	1921	1920
P.E. Island	43	42	36	49	5.8	5.6	4.8	6.5
Nova Scotia	264	243	277	310	5.8	5.4	6.2	7.0
New Brunswick	261	267	260	341	7.7	8.0	7.9	10.5
Ontario	1,874	1,678	1,715	2,080	7.3	6.6	6.9	8.5
Manitoba	403	408	437	530	7.4	7.7	8.4	10.4
Saskatchewan	338	444	390	471	4.9	6.6	6.1	7.5
Alberta	354	376	370	468	6.6	7.2	7.4	9.7
British Columbia	360	348	347	433	8.0	7.9	8.1	10.4
Totals	3,897	3,806	3,832	4,682	6.9	6.9	7.0	8.8

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