

84 D02

DOES NOT CIRCULATE

NE PAS PRÊTER

PROPERTY OF THE LIBRARY

APR 30 1924

DOMINION BUREAU OF STATISTICS

CANADA

DOMINION BUREAU OF STATISTICS

DEMOGRAPHY BRANCH

PRELIMINARY MONTHLY REPORT

VITAL STATISTICS

CANADA

SEPTEMBER 1923

-----+ + +-----

Published by Authority of the Hon. Thos. A. Low, M. P.,

Minister of Trade and Commerce.

+ + +

OTTAWA

1924

1875  
1876

FOREWORD

This Bulletin gives a preliminary report on Births, Deaths and Marriages for the month of September 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 September 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 12,714, being 6,603 males and 6,111 females in September 1923, as compared with 13,622 in September 1922; 14,278 in September 1921 and 13,445 in September 1920. The equivalent annual birth rate per 1,000 population for the month was 23.2 in 1923; 25.4 in 1922; 27.2 in 1921 and 26.1 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 SEPTEMBER 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	160	143	191	184	22.1	19.7	27.1	25.1
Nova Scotia	944	1,102	1,198	1,108	21.6	25.4	27.8	25.9
New Brunswick	869	962	943	844	26.6	29.8	29.6	26.8
Ontario	5,882	5,973	6,185	5,913	23.6	24.4	25.7	24.9
Manitoba	1,389	1,466	1,574	1,488	26.3	28.5	31.4	30.3
Saskatchewan	1,645	1,832	1,917	1,799	24.6	28.4	30.8	29.8
Alberta	1,057	1,263	1,365	1,325	20.3	25.1	28.2	28.3
British Columbia	768	881	905	784	17.5	20.7	21.8	19.4
Totals	12,714	13,622	14,278	13,445	23.2	25.4	27.2	26.1

Of the total births (12,714) reported for the Registration Area in September, 12,440 were single births, 134 twins (268 infants) and 2 sets of triplets (6 infants). During the month 423 stillbirths were reported, making a total of 12,999 confinements, as against 12,852 in August and 13,162 in July.

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, SEPTEMBER 1923.

Provinces	Total	Male	Female	Single Births	Pairs of Twins	Sets of Triplets
P.E. Island	160	82	78	160	-	-
Nova Scotia	944	502	442	914	15	-
New Brunswick	869	431	438	855	7	-
Ontario	5,882	3,072	2,810	5,771	54	1
Manitoba	1,389	715	674	1,354	16	1
Saskatchewan	1,645	840	805	1,597	24	-
Alberta	1,057	533	524	1,039	9	-
British Columbia	768	428	340	750	9	-
Totals	12,714	6,603	6,111	12,440	134	2

(2)

Stillbirths reported in September were distributed as follows: Prince Edward Island 2; Nova Scotia 28; New Brunswick 24; Ontario 257; Manitoba 39; Saskatchewan 35; Alberta 22; British Columbia 16, a total for the eight provinces of 423.

There were also reported 11 instances of twin births in which one child was stillborn; 2 in Nova Scotia; 5 in Ontario, 2 in Manitoba; 1 in Saskatchewan; 1 in Alberta. 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 8 of the cities there were fewer births reported in September 1923 than in September 1922. In six cities, Hamilton, Ottawa, Windsor, Regina, Vancouver and St. John was the number of living births reported equal to or greater in September 1923 than in September 1920.

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

Cities of 30,000 and over	1923	1922	1921	1920
Toronto	1,023	998	1,085	1,032
Hamilton	265	245	303	230
Ottawa	242	246	268	238
London	108	118	98	126
Windsor	121	117	119	95
Winnipeg	433	501	512	456
Regina	95	97	117	89
Calgary	138	152	181	177
Edmonton	148	194	160	165
Vancouver	236	229	290	230
Victoria	63	69	83	80
Halifax	100	147	146	157
St. John	114	97	102	88

#### INFANTILE MORTALITY

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

The death rate among children under 1 year of age was 83.2 per 1,000 living births as compared with 100.2 in the same month in 1922 and 108.7 in 1921. The rate in August of the present year was 75.3. The lowest death rate recorded was in British Columbia with 63.8 per 1,000. (The returns for Prince Edward Island are incomplete owing to change in Registrars) The highest recorded infantile mortality was in New Brunswick 120.8 followed by Saskatchewan with 108.8 and Ontario with 105.9 per 1,000 living births.

TABLE 4.-INFANT MORTALITY BY TOTALS FOR PROVINCES, SEPTEMBER 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. Island	7	13	12	17	43.8	90.9	62.8	92.4
Nova Scotia	79	94	135	192	83.7	85.3	112.7	173.3
New Brunswick	105	173	202	231	120.8	179.8	214.2	273.7
Ontario	411	539	776	770	105.9	90.2	125.5	130.2
Manitoba	118	186	137	180	85.7	126.9	87.0	121.0
Saskatchewan	179	200	130	231	108.8	109.1	67.8	128.4
Alberta	110	101	117	155	104.1	80.0	85.7	117.0
British Columbia	49	59	43	45	63.8	67.0	47.5	57.4
Totals	1,058	1,365	1,552	1,821	83.2	100.2	108.7	135.4

Of the total number of infant deaths reported for September in the Registration Area 88.2 per cent, or 933 out of 1,058, were attributable to the 13 causes of death listed in Table 5. The mortality among male children under one year was 95.6 per 1,000 males born, or 631 deaths to 6,603 living male births in the month, while the mortality for females under one year was 69.9 per 1,000 living females born, or 427 deaths to 6,111 living female births.

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

Causes of Death		Eight Provinces	P.E. Island	Nova Scotia	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia
Premature Birth	T	184	2	11	7	85	24	27	14	14
	M	116	2	4	5	53	14	16	12	10
	F	68	-	7	2	32	10	11	2	4
Injury at Birth	T	34	-	-	1	20	1	6	3	3
	M	20	-	-	-	15	1	1	1	2
	F	14	-	-	1	5	-	5	2	1
Gastro-Intestinal Diseases	T	332	-	24	42	116	41	67	37	5
	M	198	-	14	26	67	32	35	22	2
	F	134	-	10	16	49	9	32	15	3
Congenital Debility	T	109	-	13	8	44	13	16	10	5
	M	67	-	9	5	33	4	6	8	2
	F	42	-	4	3	11	9	10	2	3
Pneumonia	T	62	1	2	4	27	7	13	5	3
	M	39	-	1	3	19	2	8	4	2
	F	23	1	1	1	8	5	5	1	1
Bronchitis	T	6	-	2	-	1	-	2	1	-
	M	3	-	2	-	1	-	-	-	-
	F	3	-	-	-	-	-	2	1	-
Congenital Malformations	T	60	-	4	2	30	4	11	4	5
	M	28	-	1	2	14	3	3	2	2
	F	32	-	3	-	16	1	8	2	3
Convulsions	T	18	1	5	1	2	2	5	2	-
	M	7	-	2	-	-	2	1	2	-
	F	11	1	3	1	2	-	4	-	-
Whooping Cough	T	36	1	5	3	10	2	5	9	1
	M	21	1	4	3	3	1	4	5	-
	F	15	-	1	-	7	1	1	4	1
Communicable Diseases	T	42	-	1	2	11	7	11	8	2
	M	25	-	1	1	7	4	3	5	2
	F	17	-	-	1	4	3	8	3	-
Syphilis	T	3	-	1	-	1	-	1	-	-
	M	2	-	1	-	1	-	-	-	-
	F	1	-	-	-	-	-	1	-	-
Meningitis	T	5	-	2	1	2	-	-	-	-
	M	4	-	1	1	2	-	-	-	-
	F	1	-	1	-	-	-	-	-	-
Other Causes in early infancy	T	42	-	4	2	23	5	3	1	4
	M	26	-	3	1	14	2	2	1	3
	F	16	-	1	1	9	3	1	-	1
All Other Causes	T	125	2	5	32	39	12	12	16	7
	M	75	2	4	22	22	5	8	7	3
	F	50	-	1	10	17	7	4	9	4
Total Both Sexes		1,058	7	79	105	411	118	179	110	49
" Males		631	5	47	69	251	70	89	69	31
" Females		427	2	32	36	160	48	90	41	18
Rate per 1,000 living births		83.2	43.8	83.7	120.8	105.9	85.7	108.8	104.1	63.8

T.- Total; M.- Males; F.- Females

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, SEPTEMBER 1923, BY AGE GROUPS

Age Groups	Total	P.E.I.	N.S.	N.B.	Ont.	Man.	Sask.	Alta.	B.C.
15 - 19	1	1	-	-	-	-	-	-	-
20 - 24	6	-	-	1	3	1	-	1	-
25 - 29	5	-	-	-	3	1	1	-	-
30 - 39	22	-	2	1	11	3	4	1	-
40 - 49	3	-	-	-	1	-	2	-	-
50 and over	1	-	-	1	-	-	-	-	-
Age not stated	-	-	-	-	-	-	-	-	-
Totals	38	1	2	3	18	5	7	2	-
Rate per (1923)	3.0	6.3	2.1	3.5	3.1	3.6	4.3	1.9	-
1,000 living (1922)	4.1	-	2.7	2.1	3.0	6.1	7.6	4.0	5.7
births (1921)	4.3	-	3.3	2.1	5.2	4.4	3.7	4.4	4.4

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

Causes of Death	Total	P.E. Island	Nova Scotia	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia
Accidents of pregnancy	8	-	2	1	5	-	-	-	-
(a) Abortion	2	-	-	-	2	-	-	-	-
(b) Ectopic gestation	2	-	-	1	1	-	-	-	-
(c) Other accidents of pregnancy	4	-	2	-	2	-	-	-	-
Puerperal haemorrhage	3	-	-	-	1	1	1	-	-
Other accidents of childbirth	2	-	-	-	-	-	2	-	-
(a) Caesarean section	-	-	-	-	-	-	-	-	-
(b) Other surgical operations and instrumental delivery	-	-	-	-	-	-	-	-	-
(c) Others under this title	2	-	-	-	-	-	2	-	-
Puerperal sepsis	13	-	-	2	7	1	2	1	-
Phlegmasia alba dolens; puerperal embolism or sudden death in puerperium	1	-	-	-	-	1	-	-	-
Puerperal albuminuria and convulsions	11	1	-	-	5	2	2	1	-
Following childbirth (not otherwise defined)	-	-	-	-	-	-	-	-	-
Puerperal diseases of the breast	-	-	-	-	-	-	-	-	-
Totals	38	1	2	3	18	5	7	2	-

## MORTALITY (All Causes)

Total deaths in an estimated population of 6,691,000 for September numbered 4,808, as against 5,248 in a population of 6,552,000 in September 1922 and 5,531 in a population of 6,414,000 in September 1921. The equivalent annual death rate for September 1923 was 8.8 per 1,000 population, as compared with 9.8 and 10.5 in September 1922 and 1921.

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

Provinces	Total Deaths				Equivalent annual death rate per 1,000 population			
	1923	1922	1921	1920	1923	1922	1921	1920
P.E. Island	58	71	95	88	8.0	9.8	13.0	12.0
Nova Scotia	445	451	509	623	10.2	10.4	11.8	14.6
New Brunswick	365	449	518	522	11.2	13.9	16.4	16.5
Ontario	2,370	2,457	2,905	2,861	9.5	10.0	12.0	12.0
Manitoba	392	489	415	481	7.4	9.5	8.3	9.8
Saskatchewan	501	554	411	566	7.5	8.6	6.6	9.4
Alberta	357	403	384	446	6.8	8.0	7.9	9.5
British Columbia	320	374	294	307	7.3	8.8	7.1	7.6
Totals	4,808	5,248	5,531	5,894	8.8	9.8	10.5	11.4

More than 70 per cent of all deaths in September 1923, were due to the 23 causes of death listed below. Diseases of the heart accounted for 10 per cent of all deaths. Diarrhoea and Enteritis accounted for 434 deaths, as against 320 in August. Cancer claimed 421 deaths in September, as against 465 in August. There was a slight increase in deaths from Pneumonia in September over August of 34.

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

Causes of Death	Total	P.E.I.	N.S.	N.B.	Ont.	Man.	Sask.	Alta.	B.C.
Diseases of the heart	481	10	44	40	267	27	28	28	37
Pneumonia	192	4	19	13	87	19	27	14	9
Cancer	421	3	55	24	222	33	32	20	32
Tuberculosis of the lungs	235	5	38	21	112	17	10	13	19
Tuberculosis, other organs	56	1	7	3	23	2	9	6	5
Diseases of the Arteries	257	2	11	14	168	21	12	12	17
Diarrhoea and Enteritis	434	1	27	48	149	52	90	52	15
Congenital Malformations	64	-	5	2	32	4	12	4	5
Congenital Debility	113	-	13	9	47	13	16	10	5
Premature birth	184	2	11	7	85	24	27	14	14
Injury at birth	35	-	-	1	21	1	6	3	3
Convulsions (under 5 years)	26	1	10	1	4	2	5	3	-
Maternal Mortality	38	1	2	3	18	5	7	2	-
Senility	179	6	38	20	94	7	10	3	1
Cerebral Haemorrhage	169	1	10	6	120	10	9	5	8
Influenza	29	1	-	4	13	3	2	5	1
Nephritis	157	2	22	11	81	12	1	8	20
Diphtheria	68	1	1	2	21	11	22	8	2
Bronchitis	31	-	4	2	13	3	3	2	1
Appendicitis	62	1	7	1	20	2	8	14	9
Anaemia chlorosis	52	-	2	5	32	4	2	2	5
Paralysis	46	1	8	5	24	3	1	2	2
Diabetes mellitis	47	-	2	5	24	2	3	7	4
All other causes	1,432	15	109	118	690	115	159	120	106
Totals	4,808	58	445	365	2,370	392	501	357	320

(6)

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

Kinds		Total	P.E.I.	N.S.	N.B.	Ont.	Man.	Sask.	Alta.	B.C.
Total		421	3	55	24	222	33	32	20	32
	M	199	2	27	10	94	22	16	11	17
	F	222	1	28	14	128	11	16	9	15
Buccal Cavity	M	8	-	-	-	7	-	1	-	-
	F	6	-	1	-	5	-	-	-	-
Stomach & Liver	M	92	1	14	7	31	11	11	6	11
	F	70	-	11	6	37	5	4	2	5
Peritoneum, intestines and rectum	M	33	1	4	-	19	3	2	-	4
	F	30	1	5	2	14	2	2	3	1
Female genital organs	F	48	-	7	4	27	2	4	1	3
Breast	F	38	-	1	1	27	1	3	3	2
Skin	M	6	-	1	-	4	-	1	-	-
	F	4	-	-	-	3	-	-	-	-
Unspecified organs	M	60	-	8	3	33	8	1	5	2
	F	26	-	3	1	15	1	3	-	3

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

Kinds		Total	P.E.I.	N.S.	N.B.	Ont.	Man.	Sask.	Alta.	B.C.
Total		291	6	45	24	135	19	19	19	24
	M	145	4	23	9	60	9	10	9	21
	F	146	2	22	15	75	10	9	10	3
Respiratory System	M	116	4	19	9	49	8	6	5	16
	F	119	1	19	12	63	9	4	8	3
Meninges and central nervous system	M	10	-	-	-	6	-	1	1	2
	F	10	-	1	1	6	-	-	2	-
Intestines and peritoneum	M	2	-	-	-	-	-	1	1	-
	F	8	1	1	1	2	-	3	-	-
Vertebral column	M	6	-	2	-	1	1	-	-	2
	F	3	-	-	1	1	-	1	-	-
Joints	M	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-
Other Organs	M	4	-	1	-	-	-	-	2	1
	F	3	-	-	-	3	-	-	-	-
Disseminated	M	7	-	1	-	4	-	2	-	-
	F	3	-	1	-	-	1	1	-	-

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

Causes of Death	Total	Toronto	Hamilton	Ottawa	London	Windsor	Winnipeg	Regina	Calgary	Edmonton	Vancouver	Victoria	Halifax	S.S. John
Diseases of the heart	126	50	11	9	9	1	9	1	4	3	16	6	5	3
Pneumonia	44	16	8	4	1	-	5	2	-	-	5	-	2	1
Cancer	124	44	13	7	7	2	13	3	2	2	14	3	10	4
Tuberculosis of the lungs	51	11	4	5	3	4	8	-	-	3	6	2	4	1
Tuberculosis, other organs	14	6	1	4	-	1	-	-	-	1	1	-	-	-
Diseases of the Arteries	84	36	12	6	3	-	7	2	1	-	4	4	2	2
Diarrhoea and Enteritis	103	16	3	8	5	4	12	9	13	9	2	-	12	10
Congenital Malformations	15	9	2	-	-	-	1	-	1	-	-	1	1	-
Congenital Debility	22	5	-	-	-	-	5	1	3	1	1	-	2	4
Premature birth	54	14	3	7	1	2	8	3	3	3	1	2	4	3
Injury at birth	17	8	3	2	-	-	-	1	1	-	1	1	-	-
Convulsions (under 5 yrs)	4	3	-	-	-	-	-	-	1	-	-	-	-	-
Maternal Mortality	11	4	-	1	-	-	3	-	-	1	-	-	-	2
Septility	12	5	1	-	2	-	2	-	-	-	-	-	-	2
Cerebral Haemorrhage, apoplexy	39	18	6	5	2	2	1	-	1	-	2	-	-	2
Influenza	5	2	-	-	-	-	1	-	-	1	1	-	-	-
Nephritis	46	15	1	4	2	2	4	-	-	2	9	2	3	2
Diphtheria	18	4	-	2	1	1	4	1	2	2	1	-	-	-
Bronchitis	8	4	1	-	-	-	2	-	-	1	-	-	-	-
Appendicitis	23	8	1	3	-	1	-	-	-	5	3	-	2	-
Anaemia chlorosis	18	5	2	3	1	-	1	-	-	1	3	1	-	1
Paralysis	11	8	1	-	-	-	1	-	-	-	-	-	1	-
Diabetes mellitis	19	7	1	2	2	-	1	-	1	1	2	1	1	-
All Other Causes	363	130	33	29	14	18	46	9	20	15	17	6	13	13
Totals	1,231	428	107	101	58	38	134	32	53	51	89	29	62	49

### MARRIAGES

There was an increase of 1,234 or 30 per cent in the number of marriages in September over August. The number reported was the highest for the month of September since 1920. There were, however, marked decreases in each of the Prairie Provinces as compared with the same month in the three previous years.

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

Provinces	Number				Equivalent annual rate per 1,000 population			
	1923	1922	1921	1920	1923	1922	1921	1920
P.E. Island	53	66	72	63	7.3	9.1	9.9	8.6
Nova Scotia	412	370	432	564	9.4	8.5	10.0	13.2
New Brunswick	415	351	399	482	12.7	10.9	12.5	15.3
Ontario	3,179	2,877	2,863	3,448	12.8	11.7	11.9	14.5
Manitoba	345	380	407	431	6.5	7.4	8.1	8.8
Saskatchewan	254	272	271	314	3.8	4.2	4.4	5.2
Alberta	257	326	309	404	4.9	6.5	6.4	8.6
British Columbia	394	359	343	488	9.0	8.7	8.3	12.1
Totals	5,309	5,011	5,096	6,194	9.7	9.3	9.7	12.0

STATISTICS CANADA LIBRARY  
BIBLIOTHÈQUE STATISTIQUE CANADA



1010535233