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FORWORD

This bulletin gives a preliminary report on Births, Deaths and Marriages for the month of November 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 November 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 11,131 being 5,759 males and 5,372 females in November 1923, as compared with 12,382 in November 1922; 12,888 in November 1921 and 11,688 in November 1920. The equivalent annual birth rate per 1,000 population for the month was 20.3 in 1923; 23.1 in 1922; 24.5 in 1921 and 22.7 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 NOVEMBER 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.I. Island	128	173	161	174	17.7	23.8	22.1	23.8
Nova Scotia	835	952	1,013	971	19.1	21.3	23.5	22.7
New Brunswick	739	873	864	711	22.7	27.1	27.1	22.5
Ontario	5,050	5,407	5,577	4,895	20.3	22.1	23.1	20.6
Manitoba	1,218	1,319	1,420	1,308	23.1	25.1	28.3	26.6
Saskatchewan	1,461	1,727	1,790	1,644	21.8	25.7	28.7	27.2
Alberta	1,018	1,186	1,285	1,177	19.5	23.6	26.6	25.1
British Columbia	682	745	778	803	15.6	17.5	18.7	20.0
Totals	11,131	12,382	12,888	11,688	20.3	23.1	24.5	22.7

Of the total births (11,131) reported for the Registration Area in November, 10,880 were single births, 124 twins (248 infants) and 1 set of triplets (3 infants). During the month 408 stillbirths were reported, making a total of 11,413 confinements, as against 12,337 in October and 12,999 in September.

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, NOVEMBER 1923.

Provinces	Total	Male	Female	Single Births	Dairs of Twins	Sets Trip-lets
P.E.I. Island	128	68	60	126	1	-
Nova Scotia	835	440	395	809	13	-
New Brunswick	739	392	347	717	11	-
Ontario	5,050	2,634	2,416	4,940	55	-
Manitoba	1,218	611	607	1,194	12	-
Saskatchewan	1,461	767	694	1,428	15	1
Alberta	1,018	509	509	994	12	-
British Columbia	682	338	344	672	5	-
Totals	11,131	5,759	5,372	10,880	124	1

(2)

Stillbirths reported in November were distributed as follows: Prince Edward Island 3; Nova Scotia 40; New Brunswick 22; Ontario 222; Manitoba 31; Saskatchewan 41; Alberta 34; British Columbia 15, a total for the eight provinces of 408.

There were also reported 9 instances of twin births in which one child was stillborn; Nova Scotia 2; Ontario 4; Manitoba 1; Saskatchewan 1; Alberta 1.

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 10 of the cities there were fewer births reported in November 1923 than in November 1922. In four cities, London, Windsor, Regina and Edmonton was the number of living births reported equal to or greater in November 1923 than in November 1922.

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

Cities of 30,000 and over	1923	1922	1921	1920
Toronto	903	999	1,035	913
Hamilton	203	228	264	241
Ottawa	216	245	233	220
London	106	109	106	90
Windsor	112	102	80	90
Winnipeg	370	458	449	403
Regina	77	88	97	74
Calgary	99	147	141	160
Edmonton	157	147	167	132
Vancouver	222	205	217	229
Victoria	53	60	67	84
Halifax	94	121	141	125
St. John	81	94	91	90

INFANTILE MORTALITY

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

In November 1923 the infantile death rate (82.2) per 1,000 living births was lower than for the same month in 1922 or 1920, but shows an increase of 2 per 1,000 as compared with November 1921. All provinces except Prince Edward Island show an infantile rate of less than 100 per 1,000 living births.

TABLE 4.- INFANT MORTALITY BY TOTALS FOR PROVINCES, NOVEMBER 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	17	11	10	15	132.8	63.6	62.1	36.2
Nova Scotia	81	98	103	99	97.0	103.0	101.7	102.0
New Brunswick	69	86	82	102	93.4	98.5	94.9	143.5
Ontario	398	422	442	475	78.8	78.0	79.3	97.0
Manitoba	110	113	126	137	90.3	85.7	88.7	104.7
Saskatchewan	111	138	126	123	76.0	79.9	70.4	77.9
Alberta	94	110	98	108	92.3	92.7	60.7	91.8
British Columbia	35	44	46	56	51.3	59.1	59.1	69.3
Totals	915	1,022	1,033	1,120	82.2	82.5	80.2	95.8

Of the total number of infant deaths reported for November in the Registration Area nearly 87 per cent or 796 out of 915 were attributable to the 13 causes of death listed in Table 5. The mortality among male children, under one year, was 95.5 per 1,000 males born, or 550 deaths to 5,759 living male births in the month, while the mortality for females, under one year, was 67.9 per 1,000 females born or 365 deaths to 5,372 living female births.

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

Causes of Death		Eight Provinces	Prince Edward Island	Nova Scotia	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia
Premature Birth	T M F	193 123 75	- - - - - - - -	14 8 6 1 1 - - -	13 8 5 1 1 - - -	98 68 30 11 5 6 -	22 14 8 3 3 3 -	20 11 9 9 3 3 -	17 8 9 4 2 2 -	14 0 1 1 -
Injury at Birth	T M F	31 16 15	- - - - - - - -	- - 1 1 - - - -	- - - 1 5 6 -	- - - 11 6 -	- - - 3 3 3 -	- - - 3 3 3 -	- - 2 2 2 2 -	- - 1 1 -
Gastro-Intestinal Diseases	T M F	101 55 46	- - 1 1 1 1 1 1	2 2 2 1 1 1 1 1	47 25 22 22 22 22 22 22	16 9 7 7 7 7 7 7	13 4 9 9 9 9 9 9	13 4 9 9 9 9 9 9	17 11 6 6 6 6 6 6	17 11 6 6 6 6 6 6
Congenital Debility	T M F	135 90 45	- - 1 1 1 1 1 1	4 3 1 1 1 1 1 1	17 10 7 6 6 6 6 6	10 7 3 6 6 6 6 6	64 40 24 31 31 31 31 31	12 9 3 3 3 3 3 3	12 9 3 3 3 3 3 3	12 9 3 3 3 3 3 3
Pneumonia	T M F T M F	70 37 33 33 33 33	- - 1 1 1 1 1 1	1 1 1 1 1 1 1 1	6 4 2 2 1 1 1 1	31 18 13 13 13 13 13 13	13 4 9 9 9 9 9 9	13 8 3 3 3 3 3 3	14 2 2 2 1 1 1 1	14 2 2 2 1 1 1 1
Bronchitis	T M F T M F	37 33 33 33 33 33	- - 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	- - 1 1 1 1 1 1	- - 1 1 1 1 1 1	- - 1 1 1 1 1 1	- - 1 1 1 1 1 1	- - 1 1 1 1 1 1
Congenital Malformations	T M F	92 56 36	- - 1 1 1 1 1 1	1 1 1 1 1 1 1 1	7 5 3 3 3 3 3 3	1 1 1 1 1 1 1 1	47 25 22 22 22 22 22 22	11 7 4 2 2 2 2 2	12 7 5 7 4 4 4 4	10 8 2 2 2 2 2 2
Convulsions	T M F T M	36 20 10	- - 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	2 1 1 1 1 1 1 1	2 1 1 1 1 1 1 1	4 2 1 1 1 1 1 1	4 3 2 2 2 2 2 2	4 1 1 1 1 1 1 1
Whooping Cough	T M F T M	52 24 28	- - 1 1 1 1 1 1	5 4 4 4 4 4 4 4	10 5 5 5 5 5 5 5	2 2 2 2 2 2 2 2	15 9 6 6 6 6 6 6	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	7 3 4 4 4 4 4 4
Communicable Diseases	T M F	27 18 9	- - 1 1 1 1 1 1	1 1 1 1 1 1 1 1	3 2 2 2 2 2 2 2	3 2 2 2 2 2 2 2	4 2 3 3 3 3 3 3	7 5 3 3 3 3 3 3	6 4 2 2 2 2 2 2	2 1 1 1 1 1 1 1
Syphilis	T M F	6 4 2	- - 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	- - - - - - - -	- - - - - - - -
Meningitis	T M F	12 9 3	- - 1 1 1 1 1 1	1 1 1 1 1 1 1 1	2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2	5 3 3 3 3 3 3 3	1 1 1 1 1 1 1 1	- - - - - - - -	- - - - - - - -
Other Causes in early infancy	T M F	49 34 15	- - 1 1 1 1 1 1	4 4 4 4 4 4 4 4	1 1 1 1 1 1 1 1	4 3 2 2 2 2 2 2	20 13 7 7 7 7 7 7	3 3 3 3 3 3 3 3	2 1 1 1 1 1 1 1	9 7 2 2 2 2 2 2
All Other Causes	T M F	119 73 46	- - 1 1 1 1 1 1	4 4 4 4 4 4 4 4	24 15 9 9 9 9 9 9	50 32 18 18 18 18 18 18	11 6 5 5 5 5 5 5	11 4 7 7 7 7 7 7	12 9 3 3 3 3 3 3	12 9 1 1 1 1 1 1
Total Both Sexes		915	17	81	69	393	110	111	94	35
" Males		550	8	48	44	242	66	61	60	21
" Females		365	9	33	25	155	44	50	34	14
Rate per 1,000 living births		82.2	132.8	97.0	93.4	73.8	20.2	26.0	22.3	51.3

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

(4)

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, NOVEMBER 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	7	-	-	1	4	-	-	2	-
25 - 29	12	-	-	1	6	3	1	-	-
30 - 39	28	-	-	6	11	1	4	5	1
40 - 49	4	-	-	-	2	-	2	-	-
50 and over	-	-	-	-	-	-	-	-	-
Age not stated	8	-	-	-	1	-	7	-	-
Totals	60	-	8	1	25	4	14	7	1
Rate per 1,000 living births (1923)	5.4	-	9.6	1.4	5.0	3.3	9.6	6.9	1.5
(1922)	5.2	-	5.3	3.4	5.9	3.8	2.9	6.7	8.1
(1921)	5.7	-	5.9	3.5	5.6	8.5	4.5	8.6	3.9

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

Causes of Death	Total	P.E.I.	Island	Nova Scotia	New Brunswick	Ontario	Manitoba	Sask.-Sudb. ^a	Alberta	British Columbia
Accidents of pregnancy	7	-	-	-	-	3	-	1	2	-
(a) Abortion	3	-	-	-	-	1	-	1	1	-
(b) Ectopic gestation	4	-	-	1	-	-	-	-	1	-
(c) Other accidents of pregnancy	-	-	-	-	-	2	-	-	-	-
Puerperal haemorrhage	10	-	-	4	-	3	-	1	-	1
Other accidents of childbirth	6	-	-	-	1	2	-	1	1	-
(a) Caesarean section	1	-	-	-	-	1	-	-	-	-
(b) Other surgical operations and instrumental delivery	-	-	-	-	-	-	-	-	-	-
(c) Others under this title	5	-	-	1	-	1	-	1	1	-
Puerperal sepsis	16	-	2	-	-	8	3	2	1	-
Phlegmasia alba dolens; puerperal embolism or sudden death in puerperium	3	-	-	-	-	2	-	1	-	-
Puerperal albuminuria and convulsions	12	-	1	-	-	7	-	1	3	-
Following childbirth (not otherwise defined)	-	-	-	-	-	-	-	-	-	-
Puerperal diseases of the breast	-	-	-	-	-	-	-	-	-	-
Totals	53	-	3	1	25	4	7	7	1	

MORTALITY (All Causes)

Total deaths in an estimated population of 6,691,000 for November 1923 numbered 5,077, as against 5,317 in a population of 6,552,000 in November 1922 and 5,279 in a population of 6,414,000 in November 1921. The equivalent annual death rate for November 1923 was 9.3 per 1,000 population, as compared with 9.9 and 10.0 in November 1922 and 1921.

TABLE 8.- TOTAL DEATHS AND DEATH RATES BY PROVINCES NOVEMBER 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.	93	91	99	78	12.9	12.5	13.6	10.7
Nova Scotia	493	549	532	562	11.3	12.6	12.4	13.1
New Brunswick	333	412	400	458	10.2	12.8	12.5	14.5
Ontario	2,530	2,591	2,651	2,693	10.2	10.6	11.0	11.3
Manitoba	442	414	441	482	8.4	8.0	8.1	9.8
Saskatchewan	432	484	442	406	6.5	7.5	7.1	6.7
Alberta	389	405	385	383	7.5	8.1	8.0	8.2
British Columbia	365	371	329	376	8.3	8.7	7.9	9.3
Totals	5,077	5,317	5,279	5,438	9.3	9.9	10.0	10.5

Of the total number (5,077) of deaths reported in the Registration Area in November more than 72 per cent were due to the 23 specified causes listed in the following table "Diseases of the heart", Cancer, Pneumonia and Tuberculosis claimed more than one-third of all deaths.

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

Causes of Death	Total	P.E.I.	N.S.	N.B.	Ont.	Man.	Sask.	Alta.	B.C.
Diseases of heart	626	17	57	37	351	46	30	41	49
Pneumonia	365	6	33	29	175	39	36	28	19
Cancer	416	10	38	21	225	38	21	26	37
Tuberculosis, lungs	257	5	36	24	111	24	20	12	25
Tuberculosis, other organs	46	-	9	3	12	4	9	4	5
Diseases of Arteries	275	4	10	5	187	19	14	10	25
Diarrhoea and Enteritis	127	1	3	8	63	18	13	19	2
Congenital Malformations	98	1	7	2	50	12	13	10	3
Congenital Debility	136	4	17	10	64	12	14	12	3
Premature birth	198	-	14	13	98	22	20	17	14
Injury at birth	31	-	1	1	11	8	5	4	1
Convulsions (under 5)	22	1	0	-	2	2	7	-	1
Maternal Mortality	53	-	8	1	25	4	7	7	1
Senility	220	8	57	19	100	5	16	11	4
Cerebral Haemorrhage	199	4	20	10	129	11	7	6	12
Influenza	49	1	7	3	22	3	5	5	3
Nephritis	214	1	25	11	113	11	13	16	23
Diphtheria	73	-	1	4	24	12	24	6	3
Bronchitis	29	1	2	2	12	1	7	1	3
Appendicitis	68	-	4	6	23	11	11	8	5
Anaemia Chlorosis	47	-	2	1	35	1	2	3	3
Paralysis	52	3	5	2	25	3	1	4	3
Diabetes mellitus	61	1	8	1	33	6	4	2	6
All other causes	1,415	25	120	115	640	130	133	137	115
Totals	5,077	93	493	333	2,530	442	432	389	365

(6)

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

Kinds		Total	P.E.I.	N.S.	N.B.	Ont.	Man.	Sask.	Alta.	B.C.
	M									
Total	M	416	10	38	21	225	38	21	26	37
	F	182	6	16	10	89	18	13	14	16
	F	234	4	22	11	136	20	8	12	21
Buccal Cavity	M	17	1	6	2	5	1	-	1	1
	F	2	1	-	-	1	-	-	-	-
Stomach & Liver	M	76	2	7	4	36	9	6	6	6
	F	71	-	7	5	38	7	3	5	6
Peritoneum, intestines and rectum	M	31	2	-	2	14	4	2	4	3
	F	35	2	3	-	17	4	3	3	3
Female genital organs	F	40	-	5	2	21	5	1	2	4
Breast	F	40	-	1	-	34	1	1	-	3
Skin	M	3	-	-	1	2	-	-	-	-
	F	3	-	-	-	2	-	-	-	1
Unspecified organs	M	55	1	3	1	32	4	5	3	6
	F	43	1	6	4	23	3	-	2	4

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

Kinds		Total	P.E.I.	N.S.	N.B.	Ont.	Man.	Sask.	Alta.	B.C.
	M									
Total	M	303	5	45	27	123	28	29	16	30
	F	138	1	23	14	56	10	12	3	19
	F	165	4	22	13	67	18	17	13	11
Respiratory System	M	117	1	13	12	51	8	7	3	17
	F	140	4	13	12	60	16	13	9	8
Meninges and central nervous system	M	9	-	3	2	1	1	2	-	-
	F	7	-	2	-	2	1	1	1	-
Intestines and peritoncum	M	2	-	-	-	1	-	-	-	1
	F	8	-	1	-	1	-	3	1	2
Vertebral column	M	2	-	-	-	1	-	-	-	-
	F	2	-	-	1	-	-	-	-	1
Joints	M	4	-	1	-	2	-	1	-	-
	F	-	-	-	-	-	-	-	-	-
Other Organs	M	2	-	1	-	-	-	-	-	1
	F	2	-	1	-	-	-	-	1	-
Disseminated	M	2	-	-	-	-	1	1	-	-
	F	6	-	-	-	4	1	-	1	-

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

Causes of Death	Total	Toronto	Hamilton	Ottawa	London	Windsor	Winnipeg	Regina	Calgary	Edmonton	Vancouver	Victoria	Halifax	St. John
Diseases of the heart	179	71	9	15	10	8	14	2	8	3	15	9	6	9
Pneumonia	95	33	8	5	4	9	-	-	4	4	3	2	2	1
Cancer	133	51	9	12	2	2	16	1	1	9	19	8	2	2
Tuberculosis of the lungs	65	12	1	4	10	-	10	-	-	4	11	5	6	2
Tuberculosis, other organs	15	2	2	2	-	-	1	1	1	-	3	-	2	1
Diseases of the Arteries	81	28	1	11	6	2	8	-	4	-	12	1	5	3
Diarrhoea and Enteritis	39	15	1	3	6	-	5	2	5	1	-	-	1	-
Congenital Malformations	34	8	4	3	1	3	7	1	-	4	2	-	1	-
Congenital Debility	23	11	4	2	1	-	3	-	1	-	-	1	-	-
Fremature birth	48	23	2	4	-	5	4	2	1	3	1	2	-	1
Injury at birth	10	3	1	-	-	-	5	-	-	-	-	-	1	-
Convulsions (under 5 years)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maternal Mortality	15	5	-	2	-	1	3	-	-	-	2	-	-	2
Senility	23	9	3	3	1	1	-	-	-	-	1	-	3	2
Cerebral Haemorrhage, apoplexy	38	15	4	3	-	2	2	-	-	-	2	3	4	3
Influenza	12	6	1	1	-	-	1	-	-	2	1	-	-	-
Nephritis	68	14	10	9	3	1	2	2	3	3	5	6	4	4
Diphtheria	21	4	1	4	-	1	4	2	-	-	1	-	-	1
Bronchitis	7	3	-	1	-	-	-	-	-	-	1	1	-	-
Appendicitis	20	2	3	1	-	1	2	2	2	1	4	-	1	1
Araemia chlorosis	10	3	2	-	1	-	-	-	-	1	1	-	1	1
Paralysis	13	4	1	2	3	-	1	-	-	-	-	1	1	-
Diabetes mellitus	18	8	1	-	2	-	3	-	-	1	1	-	2	-
All other Causes	360	119	21	21	22	8	36	12	16	29	41	6	15	14
Totals	1,327	449	89	111	73	39	136	27	46	72	127	45	61	52

MARRIAGES

The equivalent annual marriage rate, 8.7 per 1,000 estimated population, shows a sharp decline from that of the same month in 1922, when it was 9.2 per 1,000 population. The falling off has been general in all the co-operating provinces excepting Saskatchewan where a slight improvement is recorded.

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

Provinces	Number				Equivalent annual rate per 1,000 population			
	1923	1922	1921	1920	1923	1922	1921	1920
P.E. Island	61	70	71	79	8.4	9.6	9.7	10.8
Nova Scotia	300	329	350	468	6.9	7.6	8.1	10.9
New Brunswick	249	279	284	331	7.6	8.7	8.9	10.5
Ontario	2,045	2,106	1,869	2,245	8.2	8.6	7.8	4.3
Manitoba	562	634	618	731	10.6	12.3	12.3	14.9
Saskatchewan	719	733	731	741	11.6	11.3	11.7	12.3
Alberta	450	480	459	542	8.6	9.6	9.5	11.6
British Columbia	306	320	290	379	7.0	7.5	7.0	9.4
Totals	4,752	4,951	4,672	5,516	8.7	9.2	8.9	10.7

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