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FOREWORD

This Bulletin gives a preliminary report on Births, Deaths and Marriages for the month of April 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 April 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 13,276, being 6,772 males and 6,504 females in April 1923, as compared with 13,986 in April 1922; 14,767 in April 1921 and 14,594 in April 1920. The equivalent annual birth rate per 1,000 population for the month was 24.2 in 1923; 26.0 in 1922; 28.1 in 1921 and 28.2 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 APRIL 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	150	197	189	201	20.7	27.0	25.9	27.4
Nova Scotia	930	1,090	1,094	1,159	21.2	25.1	25.4	27.1
New Brunswick	976	1,063	1,014	1,008	29.9	22.1	31.8	31.1
Ontario	6,040	5,767	6,603	6,282	24.3	23.5	27.4	26.5
Manitoba	1,466	1,504	1,656	1,596	27.7	29.2	33.0	32.4
Saskatchewan	1,700	1,992	1,886	2,003	22.6	30.3	30.3	33.2
Alberta	1,196	1,480	1,445	1,460	22.9	29.4	29.9	31.1
British Columbia	813	892	880	883	18.7	20.9	21.2	21.9
Totals	13,276	13,986	14,767	14,594	24.2	26.0	28.1	28.2

Of the total births (13,276) reported for the Registration Area in April 12,954 were single births, 158 twins (316 infants) and 2 sets of triplets (6 infants). During the month 477 stillbirths were reported, making a total of 13,591 confinements, as against 14,290 in March and 12,420 in February.

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, APRIL 1923.

Provinces	Total	Male	Female	Single Births	Pairs of Twins	Sets Triplets
P.E. Island	150	81	69	148	1	-
Nova Scotia	930	485	445	910	10	-
New Brunswick	976	484	492	956	10	-
Ontario	6,040	3,109	2,931	5,910	62	2
Manitoba	1,466	713	753	1,426	20	-
Saskatchewan	1,700	864	836	1,650	25	-
Alberta	1,196	610	586	1,154	21	-
British Columbia	818	426	392	800	9	-
Totals	13,276	6,772	6,504	12,954	158	2

(2)

Stillbirths reported in April were distributed as follows: Prince Edward Island 4; Nova Scotia 23; New Brunswick 25; Ontario 258; Manitoba 49; Saskatchewan 50; Alberta 37; British Columbia 21, a total for the eight provinces of 477.

There were also reported 9 instances of twin births in which one child was stillborn; 4 in Ontario; 2 in Saskatchewan; 1 in Alberta; 2 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 8 of the cities there were fewer births reported in April 1923 than in April 1922. In only two cities, Ottawa and Windsor, was the number of living births reported equal to or greater in April 1923 than in April 1920.

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

Cities of 30,000 and over	1923	1922	1921	1920
Toronto	1,114	999	1,145	1,135
Hamilton	263	262	282	295
Ottawa	286	279	294	274
London	113	108	128	131
Windsor	136	108	118	106
Winnipeg	454	506	558	529
Regina	87	108	99	129
Calgary	149	171	217	195
Edmonton	141	197	204	207
Vancouver	258	263	299	280
Victoria	67	83	88	87
Halifax	125	149	160	149
St. John	121	122	105	131

INFANTILE MORTALITY

Table 4 gives the number ~~(1,313)~~ of children under one year of age who died in April 1923, 22, 21 and 20, together with the infantile mortality rate per 1,000 living births.

The death rate among children under one year in the Registration Area, which was 110.1 in January, 115.3 in February, 117.3 in March, dropped to 99.0 per 1,000 living births in April. Nova Scotia, which gave an infantile mortality rate of 146.9 in March, showed only 103.2 in April. New Brunswick has a slightly higher proportion for April than for March. Ontario and the Prairie Provinces register marked improvement for April over the preceding month. Three provinces - British Columbia with 66.0, Manitoba with 90.0 and Ontario with 95.9 infant deaths per 1,000 living births - show a proportion below the average for the Registration Area as a whole.

TABLE 4.-INFANT MORTALITY BY TOTALS FOR PROVINCES, APRIL 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	16	11	19	10	106.7	85.8	100.5	49.8
Nova Scotia	96	114	93	107	103.2	104.6	85.0	92.3
New Brunswick	116	98	93	101	118.9	92.2	91.7	100.2
Ontario	579	563	576	599	95.9	97.6	87.2	95.4
Manitoba	132	167	130	155	90.0	111.0	78.5	97.1
Saskatchewan	185	226	138	166	108.9	113.5	73.2	82.8
Alberta	135	155	142	125	113.9	104.7	98.3	85.6
British Columbia	54	51	54	52	66.0	57.1	61.4	58.9
Totals	1,313	1,385	1,245	1,315	99.0	99.0	84.3	90.1

Of the total number of infant deaths reported for April in the Registration Area 86 per cent or 1,131 out of 1,313 were attributable to the 13 causes of death listed in Table 5. The mortality among male children, under one year, was 111.2 per 1,000 males born, or 757 deaths to 6,772 living male births in the month, while the mortality for females, under one year, was 85.5 per 1,000 females born or 556 deaths to 6,504 living female births.

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

Causes of Death		Eight Provinces	P.E. Island	Nova Scotia	New Brunswick	Ontario	Saskatchewan	Alberta	British Columbia	Sex	
										M	F
Premature Birth	T	230	1	15	16	150	17	26	34	21	
	M	165	1	9	11	87	8	17	19	13	
	F	115	1	6	5	63	9	9	15	8	
Injury at Birth	T	44	1	1	3	25	4	6	3	1	
	M	26	1	1	1	16	3	4	-	-	
	F	18	-	-	2	9	1	2	3	1	
Gastro-Intestinal Diseases	T	89	-	6	4	33	13	19	14	-	
	M	53	-	4	2	21	10	7	9	-	
	F	36	-	2	2	12	3	12	5	-	
Congenital Debility	T	116	2	10	21	52	-	16	10	5	
	M	70	1	5	13	28	-	11	7	5	
	F	46	1	5	8	24	-	5	3	-	
Pneumonia	T	220	6	26	16	92	26	36	21	7	
	M	125	3	15	7	56	14	17	10	3	
	F	103	2	11	9	36	12	19	11	4	
Bronchitis	T	27	-	1	2	11	4	6	1	2	
	M	10	-	-	1	4	1	3	1	-	
	F	17	-	1	1	7	3	3	-	2	
Congenital Malformations	T	87	-	3	2	51	9	9	7	6	
	M	47	-	1	-	27	7	3	6	2	
	F	40	-	2	2	24	2	6	1	3	
Convulsions	T	41	2	12	1	12	3	10	1	-	
	M	23	-	7	-	6	2	7	1	-	
	F	18	2	5	1	6	1	3	-	-	
Whooping Cough	T	36	-	1	4	18	5	2	5	3	
	M	21	-	-	3	10	4	-	2	2	
	F	15	-	1	1	8	1	2	3	1	
Communicable Diseases	T	111	1	10	11	29	12	32	16	-	
	M	65	1	7	8	18	6	15	10	-	
	F	46	-	3	3	11	6	17	6	-	
Syphilis	T	10	-	-	-	8	-	1	1	-	
	M	8	-	-	-	6	-	1	1	-	
	F	2	-	-	-	2	-	-	-	-	
Meningitis	T	10	-	-	3	4	1	1	-	1	
	M	6	-	-	1	3	-	1	-	1	
	F	4	-	-	2	1	1	-	-	-	
Other Causes in early infancy	T	50	1	4	4	29	4	5	3	2	
	M	24	-	1	1	14	2	3	2	1	
	F	26	1	3	3	15	2	-	1	1	
All other causes	T	122	3	7	30	65	34	18	19	6	
	M	114	2	4	18	40	23	12	12	3	
	F	68	1	3	12	25	11	6	7	3	
Total Both Sexes		1,313	16	96	116	379	132	185	135	54	
" Males		757	9	54	66	336	80	101	80	31	
" Females		556	7	42	50	243	52	84	55	23	
Rate per 1,000 living births		99.0	106.7	103.2	118.9	95.9	90.0	109.0	113.9	66.0	

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, APRIL 1923, BY AGE GROUPS

Age Groups	Total	P.E.I.	N.S.	N.B.	Ont.	Man.	Sask.	Alta.	B.C.
15 - 19	7	-	1	1	3	1	1	-	1
20 - 24	7	-	-	2	3	-	1	1	-
25 - 29	21	-	2	1	11	1	3	3	-
30 - 39	37	-	2	2	20	6	4	2	1
40 - 49	7	-	-	-	4	1	1	1	-
50 and over	-	-	-	-	-	-	-	-	-
Age not stated	-	-	-	-	-	-	-	-	-
Totals	79	-	5	6	40	9	10	7	2
Rate per (1923)	6.0	-	5.4	6.1	6.6	6.1	5.9	5.9	2.4
1,000 living (1922)	4.7	-	2.8	2.8	4.2	6.6	5.5	7.4	4.5
births (1921)	6.6	10.6	4.6	7.9	7.3	4.8	5.8	8.3	4.5

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

Causes of Death	Total	P.E. Island	Nova Scotia	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia
Accidents of pregnancy	8	-	1	-	4	1	1	1	-
(a) Abortion	5	-	1	-	2	-	1	1	-
(b) Ectopic gestation	1	-	-	-	1	-	-	-	-
(c) Other accidents of pregnancy	2	-	-	-	1	1	-	-	-
Puerperal haemorrhage	2	-	-	-	-	1	1	-	-
Other accidents of childbirth	9	-	-	1	4	1	1	1	1
(a) Caesarean section	1	-	-	-	-	-	1	-	-
(b) Other surgical operations and instrumental delivery	-	-	-	-	-	-	-	-	-
(c) Others under this title	8	-	-	1	4	1	-	1	1
Puerperal sepsis	33	-	2	-	17	5	5	3	1
Phlegmasia alba dolens; puerperal embolism or sudden death in puerperium	6	-	1	2	2	1	-	-	-
Puerperal albuminuria and convulsions	19	-	1	3	11	-	2	2	-
Following childbirth (not otherwise defined)	2	-	-	-	2	-	-	-	-
Puerperal diseases of the breast	-	-	-	-	-	-	-	-	-
Totals	79	-	5	6	40	9	10	7	2

MORTALITY (All Causes)

(5)

Total deaths in an estimated population of 6,691,000 for April numbered 6,534, as against 6,638 in a population of 6,552,000 in April 1922 and 5,981 in a population of 6,414,000 in April 1921. The equivalent annual death rate for April 1923 was 11.9 per 1,000 population, as compared with 12.4 and 11.4 in April 1922 and 1921.

TABLE 8.- TOTAL DEATHS AND DEATH RATES BY PROVINCES, APRIL 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	94	105	109	110	13.0	10.4	15.0	15.0
Nova Scotia	673	608	539	615	10.5	14.0	13.7	14.4
New Brunswick	513	441	536	480	15.7	13.7	16.5	15.2
Ontario	3,313	3,244	3,005	3,334	13.3	13.2	12.5	14.0
Manitoba	503	550	452	589	9.5	10.7	9.0	12.0
Saskatchewan	591	708	461	494	8.8	11.0	7.4	8.2
Alberta	462	534	462	465	8.9	11.6	9.5	9.9
British Columbia	385	398	377	370	8.8	9.3	9.1	9.2
Totals	6,534	6,638	5,981	6,457	11.9	12.4	11.4	12.5

Influenza was credited with 7.7 per cent of all deaths in April and Pneumonia with 11.6 per cent. In March Pneumonia accounted for 13.0 per cent of the total mortality and Influenza for 13.2 per cent of all deaths. Diseases of the heart claimed 10.9 per cent of all deaths in April, as compared with 9.2 per cent in March, Cancer with 430 deaths and Tuberculosis with 425 deaths rated respectively fourth and fifth as causes of death. For details of mortality due to Cancer and Tuberculosis, see Tables 10 and 11.

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

Causes of Death	Total	P.E.I.	N.S.	N.B.	Ont.	Man.	Sask.	Alta.	B.C.
Diseases of the heart	711	5	64	36	424	53	31	28	50
Pneumonia	759	16	104	60	346	73	85	50	35
Cancer	430	5	53	29	216	29	34	20	44
Tuberculosis of the lungs	353	7	47	31	152	31	32	30	33
Tuberculosis, other organs	72	-	9	4	28	10	8	6	7
Diseases of the Arteries	242	2	17	15	155	17	7	11	18
Diarrhoea and Enteritis	95	-	6	4	39	12	17	16	1
Congenital Malformations	93	-	3	2	55	9	10	7	7
Congenital Debility	134	2	10	21	55	15	16	10	5
Premature birth	280	1	15	16	150	17	26	34	21
Injury at birth	44	1	1	3	25	4	6	3	1
Convulsions (under 5 years)	53	3	13	2	18	3	13	1	-
Maternal Mortality	79	-	5	6	40	9	10	7	2
Senility	265	13	64	34	126	7	10	6	5
Cerebral Haemorrhage	247	5	22	12	157	16	14	10	11
Influenza	503	8	51	43	213	44	65	63	16
Nephritis	220	1	24	22	110	17	15	11	20
Diphtheria	59	1	1	4	22	5	15	10	1
Bronchitis	106	1	11	5	57	10	14	4	4
Appendicitis	61	1	4	3	26	5	10	8	4
Anaemia chlorosis	80	1	4	-	61	4	4	1	5
Paralysis	58	3	12	12	27	1	3	-	-
Diabetes mellitis	65	1	5	3	37	8	1	2	3
All other Causes	1,525	17	123	126	774	104	145	124	107
Totals	6,534	94	673	513	3,313	503	591	462	385

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

Kinds		Total	P.E.I.	N.S.	N.B.	Ont.	Man.	Sask.	Alta.	B.C.
Total		430	5	53	29	216	29	34	20	44
	M	209	3	33	16	98	14	16	6	23
	F	221	2	20	13	118	15	18	14	21
Buccal Cavity	M	13	2	1	1	6	2	1	-	-
	F	2	-	-	-	1	1	-	-	-
Stomach & liver	M	99	-	16	7	44	8	10	3	11
	F	79	-	6	2	42	6	9	8	6
Peritoneum, intestines & rectum	M	35	1	4	1	20	2	3	-	4
	F	29	-	6	3	14	1	3	1	1
Female genital organs	F	34	-	-	5	13	2	2	3	9
Breast	F	34	1	4	-	21	2	2	2	2
Skin	M	5	-	1	-	2	-	-	2	-
	F	4	-	-	-	3	-	-	-	1
Unspecified organs	M	57	-	11	7	26	2	2	1	8
	F	39	1	4	3	24	3	2	-	2

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

Kinds		Total	P.E.I.	N.S.	N.B.	Ont.	Man.	Sask.	Alta.	B.C.
Total		421	7	56	35	180	37	40	36	30
	M	235	1	33	19	99	20	20	23	20
	F	186	6	23	16	81	17	20	13	10
Respiratory System	M	202	1	28	19	62	16	16	19	17
	F	151	6	19	12	70	13	14	11	6
Meninges and central nervous system	M	13	-	1	-	8	2	1	1	-
	F	9	-	-	2	3	1	1	-	2
Intestines and peritoneum	M	10	-	3	-	2	-	1	3	1
	F	14	-	2	-	4	3	3	-	2
Vertebral column	M	3	-	-	-	3	-	-	-	-
	F	5	-	-	-	3	-	1	1	-
Joints	M	-	-	-	-	-	-	-	-	-
	F	1	-	-	-	-	-	1	-	-
Other organs	M	4	-	1	-	3	-	-	-	-
	F	3	-	1	1	-	-	-	1	-
Disseminated	M	3	-	-	-	1	-	-	-	2
	F	3	-	1	1	1	-	-	-	-

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

Causes of Death	Total	Toronto	Hamilton	Ottawa	London	Windsor	Winnipeg	Regina	Calgary	Edmonton	Vancouver	Victoria	Halifax	St. John's
Diseases of the heart	191	72	13	16	18	6	13	2	3	5	9	7	11	11
Pneumonia	168	73	11	17	12	4	12	1	3	7	10	3	9	6
Cancer	127	43	7	7	9	1	14	3	1	6	18	4	8	6
Tuberculosis of the lungs	71	16	3	14	4	1	7	-	1	4	10	2	5	4
Tuberculosis, other organs	30	7	-	2	1	2	5	1	-	1	5	1	3	1
Diseases of the Arteries	20	27	7	10	9	2	6	-	2	1	7	2	4	3
Diarrhoea and Enteritis	22	4	2	5	-	2	4	-	-	5	-	-	-	-
Congenital Malformations	24	9	5	5	-	2	5	2	1	-	3	1	-	1
Congenital Debility	31	9	3	3	2	2	4	1	-	1	-	1	1	4
Premature birth	79	29	10	9	3	6	4	-	5	3	3	-	1	4
Injury at birth	11	5	2	1	-	-	2	-	-	-	1	-	-	-
Convulsions (under 5 years)	9	1	1	1	-	1	-	1	-	-	-	-	3	1
Maternal Mortality	19	6	-	2	-	2	5	1	-	-	-	-	2	1
Senility	35	13	4	2	-	1	4	-	1	-	-	-	2	6
Cerebral Haemorrhage, apoplexy	52	19	4	8	2	1	5	-	1	1	1	4	1	5
Influenza	62	14	2	8	8	1	5	2	5	7	7	-	2	1
Nephritis	54	14	6	3	5	2	3	2	1	3	5	4	2	4
Diphtheria	13	3	-	2	1	1	3	1	2	-	-	-	-	-
Brônchitis	29	14	1	5	-	1	-	2	1	-	1	1	1	2
Appendicitis	27	5	-	6	2	-	-	-	4	2	3	1	2	2
Anaemia chlorosis	22	9	1	5	5	1	1	-	-	-	-	-	-	-
Paralysis	12	5	-	1	3	-	-	-	-	-	-	-	-	3
Diabetes mellitis	28	9	2	1	1	-	4	1	1	1	5	-	2	1
All other causes	425	126	50	42	25	13	38	7	22	21	26	10	22	17
Totals	1,631	532	134	151	110	52	150	27	54	70	114	43	21	32

MARRIAGES

The falling off in the number of marriages noted in the reports for February and March was arrested in April, when there was an increase of 251 marriages recorded over the same month in 1922 and 1,083 over the preceding month. The number reported for April (3,674) is much below the records of 1921 with 4,009 marriages and of 1920 with 4,873 marriages.

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

Provinces	Number				Equivalent annual death rate per 1,000 population			
	1923	1922	1921	1920	1923	1922	1921	1920
	P.E. Island	21	24	29	29	2.9	3.3	4.0
Nova Scotia	216	204	271	288	4.9	4.7	6.3	6.7
New Brunswick	221	168	255	340	6.3	5.2	8.0	10.8
Ontario	1,893	1,723	2,077	2,635	7.6	7.1	8.6	11.1
Manitoba	335	300	357	410	6.3	5.8	7.1	8.3
Saskatchewan	375	369	346	360	5.6	5.7	5.6	6.0
Alberta	335	350	353	420	6.4	7.0	7.3	9.0
British Columbia	278	280	321	391	6.3	6.6	7.7	9.7
Totals	3,674	3,423	4,009	4,873	6.7	6.4	7.6	9.4

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