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Dominion Statistician - R.H. Coats, B.A., F.S.S., F.R.S.C.  
Chief, Demography Branch - E.S. Lechman.

This bulletin gives a preliminary report on Births, Deaths and Marriages for the month of January 1924 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 January 1924 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 1924 are provisional.

BIRTHS

Birth returns for Canada (exclusive of Quebec) numbered 12,224 being 6,330 males and 5,894 females in January 1924, as compared with 12,921 in January 1923; 14,236 in January 1922 and 13,762 in January 1921. The equivalent annual birth rate per 1,000 population for the month was 21.1 in 1924; 22.7 in 1923; 25.6 in 1922 and 25.3 in 1921.

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

TABLE 1.- BIRTHS BY PROVINCES IN JANUARY 1924, 1923, 1922, 1921.

Provinces	Births (Stillbirths excluded)				Birth rate per 1,000 population			
	1924	1923	1922	1921	1924	1923	1922	1921
P.E. Island	120	170	159	193	16.1	22.7	21.2	25.4
Nova Scotia	858	992	1,087	1,041	18.8	21.9	24.2	23.4
New Brunswick	874	895	1,021	855	25.6	26.6	30.6	26.0
Ontario	5,586	5,636	6,070	5,977	21.4	21.9	24.0	24.0
Manitoba	1,275	1,331	1,574	1,482	22.8	24.4	29.6	28.6
Saskatchewan	1,623	1,757	1,980	1,918	22.7	25.4	29.7	29.8
Alberta	1,104	1,287	1,436	1,368	19.3	23.9	27.7	27.4
British Columbia	784	853	909	928	16.2	18.1	19.9	20.8
Totals	12,224	12,921	14,236	13,762	21.1	22.7	25.6	25.3

Of the total births (12,224) reported for the Registration Area in January, 11,927 were single births, 147 twins (294 infants) and 1 case of triplets (3 infants). During the month 439 stillbirths were reported, making a total of 12,514 confinements as against 12,571 in January 1923. The living births are classified in the next table according to sex and whether single or plural.

TABLE 2.- LIVING BIRTHS CLASSIFIED ACCORDING TO SEX AND WHETHER SINGLE OR PLURAL, JANUARY 1924.

Provinces	Total	Male	Female	Single Births	Pairs Twins	Cases Triplets
P.E. Island	120	63	57	118	1	-
Nova Scotia	858	460	398	836	11	-
New Brunswick	874	456	418	858	8	-
Ontario	5,586	2,839	2,747	5,452	67	-
Manitoba	1,275	658	617	1,242	15	1
Saskatchewan	1,623	862	761	1,583	20	-
Alberta	1,104	569	535	1,070	17	-
British Columbia	784	423	361	768	8	-
Totals	12,224	6,330	5,894	11,927	147	1

(2)

Stillbirths reported in January were distributed as follows: Prince Edward Island 3; Nova Scotia 33; New Brunswick 23; Ontario 246; Manitoba 40; Saskatchewan 50; Alberta 30; British Columbia 14, a total for the eight provinces of 439.

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 6 of the cities there were fewer births reported in January 1924 than in January 1923. In only two cities Windsor and Regina was the number of living births reported equal to or greater in January 1924 than in January 1921.

TABLE 3.- BIRTHS IN CITIES OF 30,000 AND OVER, JANUARY 1924, 1923, 1922, 1921.

Cities of 30,000 and over	1924	1923	1922	1921
Toronto	1,037	1,027	1,065	1,075
Hamilton	246	255	303	311
Ottawa	221	225	273	283
London	104	115	104	132
Windsor	135	103	108	117
Winnipeg	393	443	501	538
Regina	98	95	96	98
Calgary	134	133	162	162
Edmonton	155	139	199	170
Vancouver	250	235	280	313
Victoria	74	60	81	75
Halifax	126	152	169	160
St. John	96	98	116	100

#### INFANTILE MORTALITY

Table 4 gives the number of children under one year of age who died in January 1924, 23, 22 and 21, together with the infantile mortality rate per 1,000 living births.

The mortality rate among children under 1 year of age for the month was 84.2 per 1,000 living births which was the lowest Infantile Mortality rate recorded for the same month in the last five years. The average rate for the month in the five years 1920-1924 was 92.3 per 1,000 living births.

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

Provinces	Infant Deaths				Infant Death Rate per 1,000 living births			
	1924	1923	1922	1921	1924	1923	1922	1921
P.E. Island	12	16	10	20	100.0	94.1	62.9	103.6
Nova Scotia	92	122	139	135	107.2	123.0	127.9	129.7
New Brunswick	72	125	114	89	82.4	139.7	111.7	104.1
Ontario	432	620	520	593	77.3	110.0	85.7	99.2
Manitoba	114	153	141	144	89.4	115.0	89.6	97.2
Saskatchewan	154	165	156	180	94.8	93.9	78.8	93.8
Alberta	111	128	103	145	100.5	99.5	71.7	106.0
British Columbia	42	65	87	65	53.7	76.2	95.7	70.0
Totals	1,029	1,394	1,270	1,371	84.2	107.1	89.2	99.6

Of the total number of infant deaths reported for January in the Registration Area 86.9 per cent or 894 out of 1,029 were attributable to the 16 causes of death listed in Table 5. The mortality among male children, under one year, was 93.5 per 1,000 males born, or 592 deaths to 6,330 living male births in the month while the mortality for females, under one year, was 74.1 per 1,000 females born or 437 deaths to 5,894 living female births.

TABLE 5.- MORTALITY OF CHILDREN UNDER ONE YEAR OF AGE FOR CERTAIN PRINCIPAL CAUSES OF DEATH, AND BY SEX IN PROVINCES, JANUARY 1924.

Causes of Death		Eight Provinces	P.E. Island	Nova Scotia	N. Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia
Measles	M.	3	-	-	-	-	1	1	1	-
7.	F.	3	-	-	-	1	3	-	-	1
Whooping Cough	M.	20	1	3	5	3	1	2	3	2
9.	F.	14	-	5	4	3	1	1	-	-
Diphtheria	M.	2	-	-	-	-	-	-	2	-
10.	F.	1	-	-	1	-	-	-	-	-
Influenza	M.	7	-	1	2	1	-	2	-	1
11.	F.	11	-	1	3	5	1	1	-	-
Tuberculosis	M.	2	-	-	-	-	-	2	-	-
31-37	F.	4	-	1	1	1	-	-	-	1
Syphilis	M.	5	-	1	-	-	1	2	1	-
38.	F.	4	-	1	1	2	-	-	-	-
Meningitis	M.	3	-	-	-	1	1	-	1	-
71.	F.	4	-	-	1	1	-	1	-	1
Convulsions	M.	23	-	4	-	5	3	4	6	1
80.	F.	13	-	3	-	4	2	4	-	-
Bronchitis	M.	10	-	3	-	3	1	1	2	-
99.	F.	2	-	-	-	1	-	1	-	-
Pneumonia	M.	90	-	14	1	40	10	13	10	2
100-101.	F.	80	3	6	1	24	16	22	7	1
Gastro Intestinal Diseases	M.	38	-	3	2	22	-	7	3	1
112-113.	F.	22	-	1	-	6	4	5	6	-
Congenital Malformations	M.	40	2	1	1	20	5	3	5	3
159.	F.	39	-	3	2	22	4	3	5	-
Congenital Debility	M.	63	-	9	9	23	3	10	8	1
160.	F.	50	-	7	4	13	6	9	5	1
Premature Birth	M.	149	2	10	5	78	16	11	21	6
161A.	F.	101	1	8	6	55	7	16	3	5
Injury at Birth	M.	27	-	2	1	14	3	5	1	1
161B.	F.	12	-	-	1	4	1	3	2	1
Other diseases, early infancy	M.	29	-	1	1	12	6	4	3	2
162-163.	F.	21	-	-	-	8	3	3	4	3
All other causes	M.	81	-	2	11	30	11	10	11	6
	F.	54	3	2	9	25	4	8	1	2
Total Both Sexes		1,029	12	92	72	432	114	154	111	42
Total Males		592	5	54	38	252	62	77	78	26
Total Females		437	7	38	34	180	52	77	33	16
Rate per 1,000 living births		84.2	100.0	107.2	82.4	77.3	89.4	94.8	100.5	53.7

M. - Males: F. - Females. The number below the "Cause of Death" refer to the "International List".

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, JANUARY 1924, BY AGE GROUPS.

Age Groups	Total	P.E.I.	N.S.	N.B.	Ont.	Man.	Sask.	Alta.	B.C.
15 - 19	7	-	2	-	4	1	-	-	-
20 - 24	10	-	-	-	5	1	2	2	-
25 - 29	17	-	1	1	8	3	1	1	2
30-39	43	-	-	1	21	7	7	6	1
40 - 49	10	-	3	-	3	-	2	2	-
50 and over	-	-	-	-	-	-	-	-	-
Age not stated	-	-	-	-	-	-	-	-	-
Totals	87	-	6	2	41	12	12	11	3
Rate per (1924)	7.1	-	7.0	2.3	7.3	9.4	7.4	10.0	3.8
1,000 living (1923)	6.3	-	8.1	5.6	6.6	4.5	4.6	3.9	14.1
births (1922)	7.5	-	8.3	3.9	7.6	7.0	9.6	6.3	9.9

TABLE 7.- MATERNAL MORTALITY BY CAUSES OF DEATH, JANUARY 1924

Causes of Death	Total	P.E. Island	Nova Scotia	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia
Accidents of pregnancy	12	-	-	-	5	2	2	2	1
(a) Abortion	4	-	-	-	1	-	1	1	1
(b) Ectopic gestation	3	-	-	-	1	-	1	1	-
(c) Other accidents of pregnancy	5	-	-	-	3	2	-	-	-
Puerperal haemorrhage	11	-	2	-	4	-	2	3	-
Other accidents of childbirth	8	-	-	-	6	2	-	-	-
(a) Caesarean section	3	-	-	-	3	-	-	-	-
(b) Other surgical operations and instrumental delivery	2	-	-	-	1	1	-	-	-
(c) Others under this title	3	-	-	-	2	1	-	-	-
Puerperal sepsis	32	-	1	1	17	5	5	3	-
Phlegmasia alba dolens; puerperal embolism or sudden death in puerperium	5	-	1	-	1	1	1	1	-
Puerperal albuminuria and convulsions	16	-	2	1	6	2	2	2	1
Following childbirth (not otherwise defined)	3	-	-	-	2	-	-	-	1
Puerperal diseases of the breast	-	-	-	-	-	-	-	-	-
Totals	87	-	6	2	41	12	12	11	3

## MORTALITY ( All Causes )

Total deaths in an estimated population of 6,832,565 for January numbered 5,853 as against 6,517 in a population of 6,691,278 in January 1923, 6,267 in a population of 6,552,662 in January 1922 and 6,377 in a population of 6,414,654 in January 1921. The equivalent annual death rate for January 1924 was 10.0 per 1,000 population, as compared with 11.5 in January 1923, 11.3 in January 1922 and 11.7 in January 1921.

TABLE 8.- TOTAL DEATHS AND DEATH RATES BY PROVINCES, JANUARY 1924, 1923, 1922, 1921.

Provinces	Total Deaths				Crude death rate per 1,000 population			
	1924	1923	1922	1921	1924	1923	1922	1921
P.E. Island	94	104	100	102	12.6	13.5	13.3	13.6
Nova Scotia	638	596	638	672	13.9	13.2	14.2	15.1
New Brunswick	404	455	505	482	11.8	13.5	15.2	14.6
Ontario	2,864	3,477	3,169	3,178	11.0	13.5	12.5	12.6
Manitoba	459	473	509	499	8.2	8.7	9.6	9.6
Saskatchewan	506	524	488	528	7.1	7.6	7.3	8.2
Alberta	433	427	416	493	7.8	7.9	8.0	9.9
British Columbia	455	461	442	423	9.4	9.8	9.7	9.5
Totals	5,853	6,517	6,267	6,377	10.0	11.5	11.3	11.7

Of the total number (5,853) of deaths reported for January 1924 more than 76 per cent were credited to the 27 causes listed in the following statement. The names of the diseases are given in numerical order according to the "International Classification".

TABLE 9.- DEATHS BY CERTAIN SPECIFIED CAUSES, BY PROVINCES, JANUARY 1924.

Causes of Death	Total	P.E.I.	N.S.	N.B.	Ont.	Man.	Sask.	Alta	B.C.
10. Diphtheria	108	-	3	5	31	15	26	22	6
11. Influenza	103	-	12	10	40	7	10	14	10
31. Tuberculosis of the lungs	336	10	48	28	142	22	31	25	30
32-37. Tuberculosis, other organs	68	1	12	6	22	11	8	3	5
43-49. Cancer	463	12	43	29	233	39	25	34	48
57. Diabetes mellitus	47	1	5	4	23	3	3	3	5
58. Anaemia chlorosis	68	-	6	4	38	3	7	1	9
74. Cerebral haemorrhage	202	2	22	18	116	12	6	7	19
75-76. Paralysis	71	2	15	7	32	2	4	5	4
80. Convulsions (under 5 years)	43	-	9	1	12	5	8	6	2
87-90. Diseases of the heart	682	13	72	42	387	43	34	34	57
91. Diseases of the arteries	364	1	29	17	243	29	9	11	25
99. Bronchitis	47	1	9	1	19	2	8	6	1
100-101. Pneumonia	585	12	65	37	261	61	70	47	32
113-114. Diarrhoea and Enteritis	87	-	3	4	44	9	14	10	3
117. Appendicitis	66	-	4	4	31	5	8	8	6
128-129. Nephritis	238	-	23	9	133	16	16	15	26
143-150. Maternal Mortality	87	-	6	2	41	12	12	11	3
159. Congenital Malformations	87	2	4	3	46	11	6	12	3
160. Congenital Debility	115	-	16	13	41	9	19	13	2
161.A.-Premature Birth	251	3	18	11	133	23	27	24	11
161.B.-Injury at Birth	39	-	2	2	18	4	8	3	2
164. Senility	249	7	73	21	124	5	10	6	4
183.A. Railroad Accidents	16	-	-	2	10	1	1	1	1
183.B. Street car "	2	-	-	-	1	-	-	-	1
188.C. Automobile "	16	-	-	-	9	-	1	1	5
188.D.E.F. Other Traffic Accidents	19	-	1	1	10	2	-	1	4
All other causes	1,394	27	138	123	624	108	135	110	131
Totals	5,853	94	638	404	2,864	459	506	433	455

(6)

TABLE 10.- DEATHS FROM CANCER BY SEX - JANUARY 1924.

Kinds		Total	P.E.I.	N.S.	N.B.	Ont.	Man.	Sask.	Alta.	B.C.
Total		463	12	43	29	233	39	25	34	48
	M	217	2	19	14	105	19	13	19	26
	F	246	10	24	15	128	20	12	15	22
43. Buccal Cavity	M	17	-	3	1	9	1	1	2	-
	F	6	-	-	2	2	-	1	-	1
44. Stomach & Liver	M	99	1	6	7	49	9	6	7	14
	F	66	4	8	2	35	3	6	2	6
45. Peritoneum intestines and rectum	M	36	-	5	2	18	3	3	2	3
	F	32	2	4	2	18	1	-	2	3
46. Female genital organs	F	52	-	3	6	30	2	1	6	4
47. Breast	F	49	-	5	1	23	8	3	2	7
48. Skin	M	13	1	-	-	9	1	-	1	1
	F	5	1	-	1	2	-	-	1	-
49. Unspecified organs	M	52	-	5	4	20	5	3	7	8
	F	36	3	4	1	18	6	1	2	1

TABLE 11.- DEATHS FROM TUBERCULOSIS BY SEX, JANUARY 1924.

Kinds		Total	P.E.I.	N.S.	N.B.	Ont.	Man.	Sask.	Alta.	B.C.
Total		404	11	60	34	164	33	39	28	35
	M	220	7	41	15	82	20	20	13	22
	F	184	4	19	19	82	13	19	15	13
31. Respiratory System	M	178	7	31	10	73	12	15	11	19
	F	158	3	17	18	69	10	16	14	11
32. Meninges and central nervous system	M	15	-	2	3	2	4	2	1	1
	F	5	-	-	-	3	1	-	-	1
33. Intestines and peritoneum	M	7	-	2	1	-	-	2	-	2
	F	7	-	-	1	5	-	1	-	-
34. Vertebral column	M	8	-	2	1	3	1	-	1	-
	F	2	-	1	-	1	-	-	-	-
35. Other organs	M	5	-	1	-	3	-	1	-	-
	F	3	1	-	-	1	-	-	1	-
36. Joints	M	4	-	2	-	-	2	-	-	-
	F	3	-	1	-	1	-	1	-	-
37. Disseminated	M	3	-	1	-	1	1	-	-	-
	F	6	-	-	-	2	2	1	-	1

TABLE 12.- DEATHS BY CERTAIN SPECIFIED CAUSES IN CITIES OF 30,000 AND OVER, JANUARY, 1924.

Causes of Death	Total	Toronto	Hamilton	Ottawa	London	Win. or	Winnipeg	Regina	Calgary	Edmonton	Vancouver	Victoria	Halifax	St. John
Diphtheria	24	1	4	-	1	2	2	-	3	3	2	1	2	3
Influenza	26	9	2	1	1	1	2	-	1	2	1	4	1	1
Tuberculosis of the lungs	65	13	5	10	2	1	3	2	2	5	10	4	6	2
Tuberculosis, other organs	21	6	-	4	-	-	3	1	1	2	1	-	1	2
Cancer	158	51	13	7	7	5	18	3	8	5	18	7	11	5
Diabetes mellitus	12	4	-	2	1	-	1	1	-	-	2	1	-	-
Anaemia chlorosis	21	6	2	3	2	-	1	-	1	-	4	1	-	1
Cerebral haemorrhage	52	17	6	7	3	-	3	-	2	1	3	4	2	4
Paralysis	13	5	-	1	4	-	-	-	-	-	2	-	-	1
Convulsions (under 5 years)	5	2	-	1	-	-	-	-	-	-	1	-	1	-
Diseases of the heart	196	70	13	21	8	4	18	3	9	2	18	8	12	10
Diseases of the arteries	108	43	3	10	10	3	13	1	-	-	12	2	6	5
Bronchitis	9	4	1	2	-	-	1	-	-	-	-	-	1	-
Pneumonia	146	43	13	7	8	7	25	5	5	6	8	7	6	6
Diarrhoea and Enteritis	18	4	5	2	-	1	2	1	-	2	1	-	-	-
Appendicitis	25	9	1	1	-	1	-	2	3	3	4	-	-	1
Nephritis	74	20	10	5	5	4	6	4	3	4	6	1	3	3
Maternal Mortality	29	13	3	4	-	-	3	1	1	1	2	1	-	-
Congenital Malformations	25	8	2	1	1	2	7	1	-	1	-	1	-	1
Congenital Debility	19	5	3	3	1	-	3	-	1	2	1	-	-	-
Premature birth	72	22	8	14	2	5	6	-	3	4	2	-	5	1
Injury at birth	11	4	-	-	-	-	2	2	-	2	-	1	-	-
Senility	27	11	3	3	2	-	1	1	-	-	1	1	3	1
Street car accidents	2	-	-	-	-	-	-	1	-	-	-	1	-	-
Automobile "	9	2	-	1	-	1	-	-	-	1	4	-	-	-
Other Traffic "	3	1	-	-	-	-	-	-	-	-	2	-	-	-
All other causes	392	103	21	31	16	21	43	15	18	20	50	15	17	22
Totals	1,562	476	118	141	74	58	163	44	61	66	155	60	77	69

## MARRIAGES

The equivalent annual marriage rate for January 1924 was lower for the Registration area as a whole than reported for the same month in 1923, 1922, 1921 or 1920. There was a slight improvement in the Maritime provinces, but a decided drop in the Middle and Western provinces.

TABLE 13.- MARRIAGES REPORTED IN JANUARY 1924, 1923, 1922, 1921.

Provinces	Number				Rate per 1,000 population			
	1924	1923	1922	1921	1924	1923	1922	1921
P.E. Island	32	26	43	37	4.3	3.5	5.7	4.9
Nova Scotia	216	211	226	288	4.7	4.7	5.0	6.5
New Brunswick	168	151	180	211	4.9	4.5	5.4	6.4
Ontario	1,467	1,561	1,410	1,668	5.6	6.1	5.6	6.7
Manitoba	284	377	375	417	5.1	6.9	7.0	8.0
Saskatchewan	438	459	410	451	6.1	6.6	6.1	7.0
Alberta	327	359	315	410	5.9	6.7	6.1	8.3
British Columbia	233	280	248	307	4.8	6.0	5.4	6.9
Totals	3,165	3,424	3,207	3,789	5.5	6.0	5.8	7.0

# No railroad accidents reported

