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PRELIMINARY MONTHLY REPORT

VITAL STATISTICS

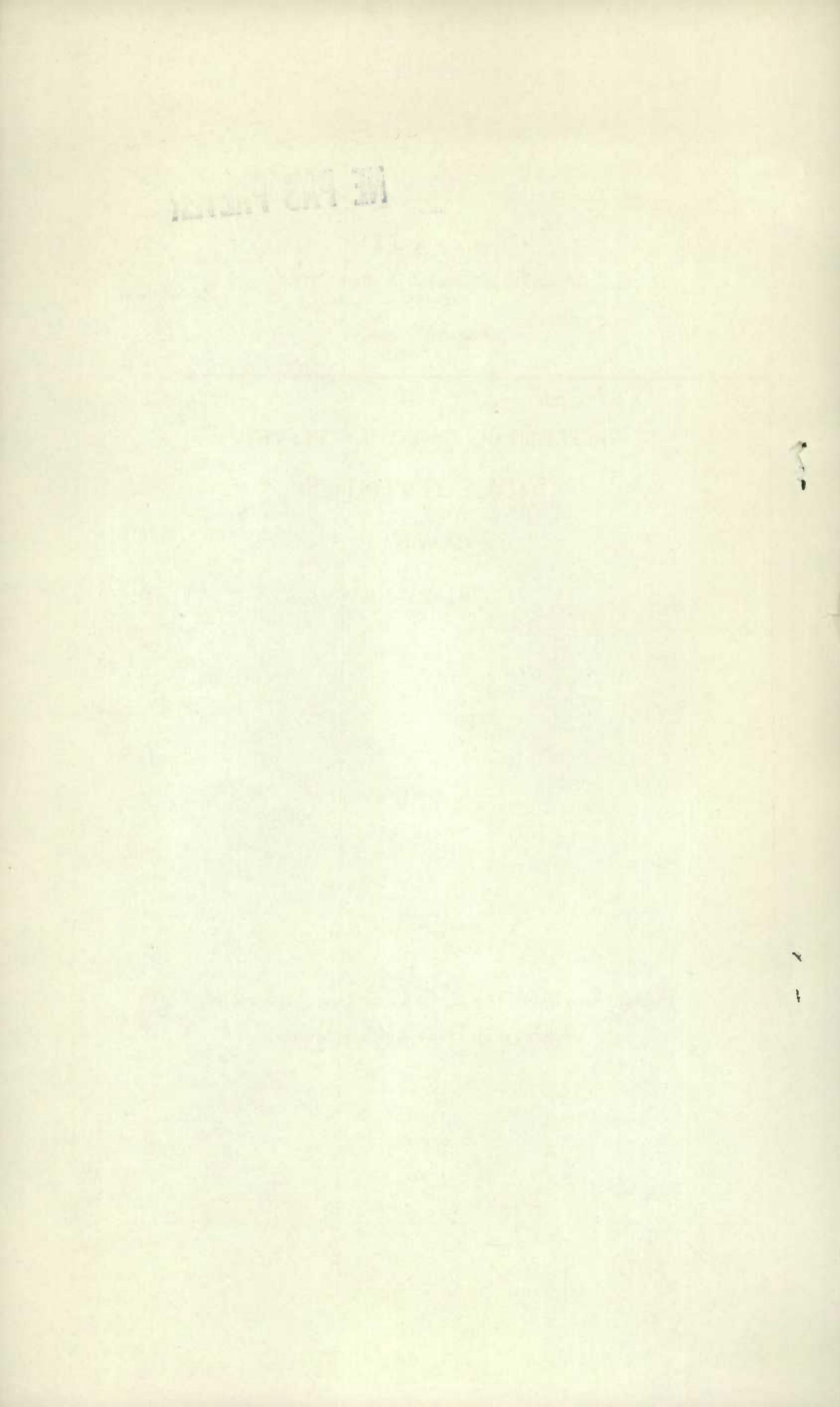
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This bulletin gives a preliminary Report on Births, Deaths and Marriages for the Month of February for the Registration Area of Canada comprising the provinces of Prince Edward Island, Nova Scotia, New Brunswick, Ontario, Manitoba, Saskatchewan, Alberta and British Columbia. In comprising the figures for February 1924 with those of the same month in the 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 12,108 being 6,198 males and 5,910 females in February 1924 as compared with 12,822 in February 1923; 13,202 in February 1922 and 12,917 in February 1921. The equivalent annual birth rate per 1,000 population for the month was 22.3 in 1924; 25.0 in 1923; 26.3 in 1922; 26.3 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 FEBRUARY 1924, 1923, 1922, 1921.

Provinces	Births (Stillbirths excluded)				Equivalent Annual Birth rate per 1,000 population			
	1924	1923	1922	1921	1924	1923	1922	1921
P.E. Island	130	161	165	160	18.7	23.8	24.4	23.5
Nova Scotia	878	933	1,045	1,015	20.6	22.8	25.8	25.3
New Brunswick	828	924	1,007	903	26.0	30.3	33.5	31.0
Ontario	5,513	5,648	5,595	5,694	22.5	24.3	24.5	25.3
Manitoba	1,278	1,384	1,445	1,382	24.4	28.1	30.1	29.5
Saskatchewan	1,595	1,673	1,801	1,682	23.8	26.8	29.8	29.0
Alberta	1,092	1,288	1,325	1,287	21.0	26.5	28.3	28.6
British Columbia	794	811	819	794	17.6	19.1	19.8	19.7
Totals	12,108	12,822	13,202	12,917	22.3	25.0	26.3	26.3

Of the total births (12,108) reported for the Registration Area in February, 11,833 were single births, 133 twins (266 infants) and 3 cases of triplets (9 infants). During the month there were reported 506 stillbirths (502 confinements), making a total of 12,471 confinements as against 12,514 in the previous month.

The living births are distributed 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, FEBRUARY 1924.

Provinces	Total	Male	Female	Single Births	Pairs Twins	Cases Triplets
P.E. Island	130	61	69	130	-	-
Nova Scotia	878	459	419	852	13	-
New Brunswick	828	422	406	816	6	-
Ontario	5,513	2,836	2,677	5,393	57	2
Manitoba	1,278	635	643	1,237	19	1
Saskatchewan	1,595	815	780	1,561	17	-
Alberta	1,092	565	527	1,063	12	-
British Columbia	794	405	389	776	9	-
Totals	12,108	6,198	5,910	11,833	133	3

(2) Stillbirths reported in February were distributed as follows: Prince Edward Island 6; Nova Scotia 36; New Brunswick 30; Ontario 289; Manitoba 44; Saskatchewan 51; Alberta 27; British Columbia 23, a total for the eight provinces of 506.

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 9 of the cities there were fewer births reported in February 1924 than in February 1923. In only three cities Windsor, Regina and Victoria were the number of living births reported equal to or greater in February 1924 than in February 1921.

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

Cities of 30,000 and over	1924	1923	1922	1921
Toronto	968	999	1,007	1,081
Hamilton	256	233	278	298
Ottawa	248	265	270	259
London	104	111	131	111
Windsor	146	113	94	93
Winnipeg	387	470	434	458
Regina	87	88	78	65
Calgary	130	154	152	162
Edmonton	153	164	171	160
Vancouver	240	239	228	243
Victoria	73	48	81	69
Halifax	124	133	128	160
St. John	90	93	127	101

INFANTILE MORTALITY

Table 4 gives the number of children under one year of age who died in February 1924, 1923, 1922, 1921, together with the infantile mortality rate per 1,000 living births.

The decrease in the infantile death rate noted for January was maintained in February when an infant death rate of 87.1 per 1,000 living births. This was the lowest infantile death rate recorded for the same month in the last five years. The average Infant Mortality for the same month in the 5 years 1920-1924 was 102.4 per 1,000 living births.

TABLE 4.- INFANT MORTALITY BY TOTALS FOR PROVINCES, FEBRUARY 1924, 1923, 1922, 1921, 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	21	27	14	16	161.5	167.7	84.8	100.0
Nova Scotia	83	107	118	113	94.5	114.7	112.9	111.3
New Brunswick	89	121	95	92	107.5	131.0	94.3	101.9
Ontario	457	676	483	604	82.9	119.7	86.3	106.1
Manitoba	26	134	125	147	75.1	96.8	86.5	106.4
Saskatchewan	150	199	163	218	94.0	118.9	90.5	129.6
Alberta	108	118	141	131	99.0	91.6	106.4	101.8
British Columbia	51	69	66	62	64.2	85.1	80.6	78.1
Totals	1,055	1,451	1,205	1,383	87.1	113.2	91.3	107.1

Of the total number of infant deaths reported for February in the Registration Area 85.4 per cent or 912 out of 1,055 were attributable to the 16 causes of death listed in Table 5. The mortality among male children, under one year, was 91.5 per 1,000 males born, or 567 deaths to 6,198 living male births in the month while the mortality for females, under one year, was 82.6 per 1,000 females born or 488 deaths to 5,910 living female births.

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

Causes of Death		Eight Provinces	P.E. Island	Nova Scotia	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia
7. Measles	M.	11	11	11	11	11	11	11	11	11
9. Whooping Cough	M.	16	17	17	17	17	17	17	17	17
10. Diphtheria	M.	3	2	3	2	3	2	3	2	2
11. Influenza	M.	11	11	11	11	11	11	11	11	11
31-37. Tuberculosis	M.	10	10	10	10	10	10	10	10	10
38. Syphilis	M.	1	1	1	1	1	1	1	1	1
71. Meningitis	M.	4	2	4	2	4	2	4	2	2
80. Convulsions	M.	13	12	13	12	13	12	13	12	12
99. Bronchitis	M.	12	12	12	12	12	12	12	12	12
100-101. Pneumonia	M.	68	68	68	68	68	68	68	68	68
112-113. Gastro Intestinal Diseases	M.	47	49	47	47	47	47	47	47	47
159. Congenital Malformations	M.	36	36	36	36	36	36	36	36	36
160. Congenital Debility	M.	47	47	47	47	47	47	47	47	47
161A. Premature Birth	M.	126	126	126	126	126	126	126	126	126
161B. Injury at Birth	M.	131	131	131	131	131	131	131	131	131
162-163. Other diseases, early infancy	M.	16	25	16	25	16	25	16	25	25
All other causes	M.	88	3	88	3	88	3	88	3	88
Total, Both Sexes		1,055	21	83	89	457	96	150	106	51
Total, Males		567	9	40	44	249	49	86	56	34
Total, Females		488	12	43	45	208	47	64	52	17
Rate per 1,000 living births		87.1	161.5	94.5	107.5	82.9	75.1	94.0	99.0	64.2

M. - Males. F. - Females. "The numbers annexed to the "Causes of Death" refer to the "International Dist."

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, FEBRUARY 1924, BY AGE GROUPS

Age Groups	Total	P.E.I.	N.S.	N.B.	Ont.	Man.	Sask.	Alta.	B.C.
15-19	3	-	-	-	-	-	-	-	-
20 - 24	14	-	-	2	-	5	2	4	1
25 - 29	28	-	-	2	-	9	7	4	3
30 - 39	29	-	-	5	-	13	6	7	1
40 - 49	11	-	-	1	-	4	-	3	2
50 and over	-	-	-	-	-	-	-	-	-
Age not stated	-	-	-	-	-	-	-	-	-
Totals	85	-	8	2	34	12	18	7	4
Rate per 1,000 living births (1924)	7.0	-	9.1	2.4	6.2	9.4	11.3	6.4	5.0
(1923)	7.3	12.4	9.6	6.5	7.8	7.9	7.8	5.4	2.5
(1922)	7.3	18.1	3.8	10.9	6.8	13.1	11.1	9.1	9.8

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

Causes of Death	Total	P.E. Island	Nova Scotia	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia
Accidents of pregnancy	16	-	1	-	9	3	2	1	1
(a) Abortion	6	-	-	-	4	1	1	1	1
(b) Ectopic gestation	6	-	-	-	4	1	1	1	1
(c) Other accidents of pregnancy	2	-	1	-	1	1	1	1	1
Puerperal haemorrhage	7	-	-	-	2	2	1	1	1
Other accidents of childbirth	7	-	1	1	2	1	1	1	1
(a) Caesarean section	2	-	1	-	1	1	1	1	1
(b) Other surgical operations and instrumental delivery	5	-	1	-	1	1	1	1	1
(c) Others under this title	2	-	1	-	1	1	1	1	1
Puerperal sepsis	25	-	2	-	8	4	7	2	2
Phlegmasia alba dolens; puerperal embolism or sudden death in puerperium	3	-	1	-	-	-	2	-	-
Puerperal albuminuria and convulsions	21	-	3	-	10	2	3	3	1
Following childbirth (not otherwise defined)	6	-	1	3	-	-	2	-	-
Puerperal diseases of the breast	-	-	-	-	-	-	-	-	-
Totals	85	-	8	2	34	12	18	7	4

MORTALITY (ALL CAUSES)

Total deaths in an estimated population of 6,832,565 for February numbered 5,416 as against 7,702 in a population of 6,691,278 in February 1923, 5,952 in a population of 6,552,662 in February 1922 and 5,985 in a population of 6,414,654 in February 1921. The equivalent annual death rate for February 1924 was 10.0 per 1,000 population, as compared with 15.0 in February 1923, 11.9 in February 1922 and 12.2 in February 1921.

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

Provinces	Total Deaths				The equivalent annual death rate per 1,000 population			
	1924	1923	1922	1921	1924	1923	1922	1921
P.E. Island	99	120	105	129	14.2	17.8	15.5	19.0
Nova Scotia	593	684	658	523	13.9	16.7	16.2	13.0
New Brunswick	384	492	507	435	12.0	16.2	16.8	14.9
Ontario	2,712	4,427	2,825	3,089	11.1	19.1	12.4	13.7
Manitoba	417	523	495	493	8.0	10.6	10.3	10.6
Saskatchewan	446	566	443	518	6.7	9.1	7.3	8.9
Alberta	394	410	467	408	7.5	8.4	10.0	9.0
British Columbia	371	480	452	385	8.2	11.3	11.0	9.6
Totals	5,416	7,702	5,952	5,985	10.0	15.0	11.9	12.2

Of the total number (5,416) of deaths reported for February 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, FEBRUARY 1924

Causes of Death	Total	P.E.I.	N.S.	N.B.	Ont.	Man	Sask	Alta.	B.C.
10. Diphtheria	85	-	4	4	34	5	18	13	7
11. Influenza	148	1	9	8	70	10	16	19	15
21. Tuberculosis of the lungs	278	13	52	31	102	25	17	14	24
32-37. Tuberculosis, other organs	61	-	12	6	21	10	3	6	3
43-49. Cancer	440	8	58	16	222	39	31	25	41
57. Diabetes mellitus	47	2	8	2	20	8	4	3	-
58. Anaemia chlorosis	63	-	4	5	44	5	2	1	2
74. Cerebral haemorrhage	189	3	26	12	108	7	8	11	14
75-76. Paralysis	58	1	18	5	28	1	2	3	-
80. Convulsions (under 5 years)	36	-	5	1	16	1	11	2	-
87-90. Diseases of the heart	600	14	44	39	376	42	23	24	38
91. Diseases of the arteries	321	5	25	17	215	20	10	13	16
99. Bronchitis	48	1	8	2	20	6	7	1	3
100-101. Pneumonia	517	11	70	38	246	45	48	40	19
113-114. Diarrhoea and Enteritis	107	2	1	4	46	14	23	11	6
117. Appendicitis	87	1	1	4	39	5	10	20	7
128-129. Nephritis	202	6	15	11	119	9	14	13	15
143-150. Maternal Mortality	85	-	8	2	34	12	18	7	4
159. Congenital Malformations	101	1	6	4	55	4	15	8	8
160. Congenital Debility	94	-	10	17	37	1	15	11	3
161A. Premature Birth	257	1	11	15	130	30	24	34	12
161B. Injury at Birth	41	-	4	1	20	5	2	5	4
164. Senility	220	3	50	25	115	8	14	2	3
188A. Railroad Accidents	26	-	-	-	16	-	2	2	6
188B. Street car "	-	-	-	-	-	-	-	-	-
188C. Automobile "	7	-	-	-	1	-	-	3	3
188-D-E-F. Other Traffic Accidents	28	1	3	1	9	1	1	-	12
All other causes	1,270	25	141	114	569	104	103	103	106
Totals	5,416	99	593	384	2,712	417	446	394	371

(6)

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

Kinds		Total	P.E.I.	N.S.	N.B.	Ont.	Man	Sask	Alta.	B.C.
	M									
	F									
Total		440	8	58	16	222	39	31	25	41
	M	206	4	27	6	99	18	9	17	26
	F	234	4	31	10	123	21	22	8	15
43. Buccal Cavity	M	27	1	1	1	16	1	2	1	4
	F	1	-	-	-	1	-	-	-	-
44. Stomach & Liver	M	76	1	12	4	34	7	4	6	8
	F	85	3	12	4	40	10	9	5	2
45. Peritoneum intestines and rectum	M	37	2	5	-	17	3	2	3	6
	F	30	-	3	1	18	2	3	1	2
46. Female genital organs	F	40	-	5	1	22	1	4	2	5
47. Breast	M	1	-	-	-	1	-	-	-	-
	F	46	-	5	1	24	6	4	-	6
48. Skin	M	13	-	2	1	9	-	-	-	1
	F	5	-	2	-	2	-	1	-	-
49. Unspecified organs	M	52	1	7	-	22	7	1	7	7
	F	27	1	4	3	16	2	1	-	-

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

Kinds		Total	P.E.I.	N.S.	N.B.	Ont.	Man	Sask	Alta.	B.C.
	M									
	F									
Total		339	13	64	37	123	35	20	20	27
	M	174	9	31	17	62	20	14	7	14
	F	165	4	33	20	61	15	6	13	13
31. Respiratory system	M	141	9	25	12	53	14	12	4	12
	F	137	4	27	19	49	11	5	10	12
32. Meninges and central nervous system	M	18	-	5	2	3	4	2	2	2
	F	14	-	3	-	6	3	-	2	-
33. Intestines and peritoneum	M	4	-	-	1	2	-	-	1	-
	F	6	-	-	1	2	1	-	1	1
34. Vertebral column	M	3	-	1	1	-	-	-	-	1
	F	1	-	1	-	-	-	-	-	-
35. Joints	M	1	-	-	-	1	-	-	-	-
	F	1	-	1	-	-	-	-	-	-
36. Other organs	M	3	-	-	1	2	-	-	-	-
	F	3	-	1	-	2	-	-	-	-
37. Disseminated	M	4	-	-	-	1	2	-	-	1
	F	3	-	-	-	2	-	1	-	-

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

Causes of Death	Total	Toronto	Hamilton	Ottawa	London	Windsor	Minneapolis	Regina	Calgary	Edmonton	Vancouver	Victoria	Halifax	St. John
Diphtheria	26	4	1	4	3	3	5	-	2	1	5	2	1	-
Influenza	28	7	3	2	2	1	1	2	1	2	3	2	2	-
Tuberculosis of the lungs	56	15	4	6	3	1	6	-	-	-	60	5	5	3
Tuberculosis, other organs	19	6	1	2	7	2	6	-	1	1	1	1	2	2
Cancer	147	51	6	16	6	4	14	2	7	5	19	10	5	1
Diabetes mellitus	15	4	2	1	1	2	3	-	-	-	-	-	-	-
Anæmia chlorosis	13	3	1	1	3	1	4	-	-	-	-	1	-	-
Cerebral haemorrhage	50	14	11	6	3	1	2	-	-	-	5	3	1	4
Paralysis	5	3	-	-	1	-	-	-	-	-	-	-	1	-
Convulsions (under 5 years)	7	2	2	-	1	1	1	-	-	-	-	-	1	-
Diseases of the heart	172	73	21	14	7	6	8	1	6	2	8	6	7	13
Diseases of the arteries	95	42	4	8	8	1	10	-	2	2	4	4	7	5
Bronchitis	13	8	3	7	7	6	1	-	8	6	7	3	13	6
Pneumonia	133	47	3	7	7	6	14	2	2	8	6	3	13	6
Diarrhoea and Enteritis	20	5	2	1	1	1	4	3	1	1	1	1	-	-
Appendicitis	39	11	1	3	3	1	3	1	5	1	3	1	1	3
Nephritis	50	21	6	1	1	3	3	1	1	1	7	2	1	-
Maternal Mortality	17	6	1	1	1	1	3	3	1	1	2	2	-	-
Congenital Malformations	29	8	4	2	1	2	2	-	2	2	2	1	1	2
Congenital Debility	12	6	1	2	1	1	1	-	-	-	1	1	1	-
Premature Birth	73	27	3	4	3	7	8	-	6	4	5	1	4	2
Injury at Birth	7	4	1	-	-	-	1	-	-	-	1	-	-	-
Senility	23	8	2	2	2	1	1	-	-	-	1	1	3	4
Railroad Accidents	1	1	1	-	1	1	1	-	-	-	-	-	-	-
Street car	-	-	-	-	1	1	1	-	-	-	-	-	-	-
Automobile	4	1	1	-	1	1	1	-	1	1	1	1	-	-
Other Traffic	2	1	-	-	-	-	-	-	-	-	1	-	-	-
All other causes	334	26	21	25	14	11	41	6	18	15	35	7	23	22
Totals	1,390	474	105	107	72	52	138	20	60	55	115	46	80	66

MARRIAGES

The equivalent annual marriage rate for February for Canada exclusive of Quebec, was the lowest reported for the same month in either of the five preceding years. The improvement shown in the Maritime provinces in January was not maintained in February, except in Alberta and British Columbia in each of which an upward trend was noted.

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

Provinces	Number				The equivalent annual rate per 1000 population			
	1924	1923	1922	1921	1924	1923	1922	1921
P.E. Island	19	31	45	38	2.7	4.6	6.6	5.6
Nova Scotia	148	173	227	256	3.5	4.2	5.6	6.4
New Brunswick	129	134	170	176	4.0	4.4	2.6	6.0
Ontario	1,236	1,212	1,390	1,473	5.1	5.2	6.1	6.5
Manitoba	220	313	381	414	6.1	6.3	7.9	8.8
Saskatchewan	408	299	443	368	6.1	6.4	7.3	6.3
Alberta	342	266	352	347	6.5	5.9	7.5	7.7
British Columbia	231	187	250	239	5.1	4.4	6.0	6.0
Totals	2,833	2,735	3,259	3,311	5.2	5.3	6.5	6.7

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