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DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS

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Demography Branch

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This bulletin gives a preliminary report on Births, Deaths and Marriages for the month of February, 1928, for the nine provinces of Canada.

In comparing the figures for February, 1928, with those of the same month for previous years, it should be remembered that for previous years the reports represent final figures while those for 1928 are provisional. Attention is further directed to the fact that previous to 1926 the province of Quebec was not included in the Registration Area.

BIRTHS

The total number of births reported for the nine provinces of Canada in February, 1928, was 18,143, as against 17,592 for February of last year. The provinces of Prince Edward Island, Nova Scotia, New Brunswick, Quebec, Ontario and Alberta showed an increase while the other provinces showed a decrease.

There were altogether 18,566 confinements. Single confinements numbered 18,331, resulting in 17,726 children born alive and 605 children born dead. Twin births numbered 232; in 196 cases both infants were born alive while in 18 cases one only was born alive and in 18 cases both were born dead. There were three sets of triplets; in two instances the three children were born alive and in one instance only one child was born alive.

Stillbirths reported in February were distributed as follows: Prince Edward Island 3; Nova Scotia 36; New Brunswick 18; Quebec 199; Ontario 255; Manitoba 46; Saskatchewan 36; Alberta 40; British Columbia 28; making a total of 661. Stillbirths are not counted either as births or as deaths.

MORTALITY

MATERNAL MORTALITY - The number of maternal deaths in each province is given by certain age groups in Table 4. The maternal mortality rate computed on the basis of 1,000 living births was 6.6 for February, 1928. The rates for the same month in the preceding years were as follows: 1927, 6.4; 1926, 5.7; 1925, 5.4; 1924, 7.0; 1923, 7.3; 1922, 7.3 and 1921, 5.3. As already indicated the province of Quebec previous to 1926 was not included in the Registration Area.

INFANT MORTALITY - In Table 5 mortality of children under one year of age is given for the principal causes of death. Of the total number of infant deaths reported for February, 85 per cent were attributable to the causes of death listed in the table. The mortality among male children under one year of age was 104.4 per 1,000 males born alive, while mortality among females was 77.1 per 1,000 females born alive.

GENERAL MORTALITY - Table 6 gives deaths among the population generally from certain specified causes, by provinces, while Table 7 gives similar information for cities of 30,000 population and over.

MARRIAGES

The number of marriages reported is shown by totals and percentages in Table 8.

Table 1. Living births by provinces in February, 1921-28

Year	Total	P. E. Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia
1921	12,917	160	1,015	903	(1)	5,694	1,382	1,682	1,287	794
1922	13,202	165	1,045	1,007	(1)	5,595	1,445	1,801	1,325	519
1923	12,830	165	933	924	(1)	5,648	1,384	1,676	1,288	812
1924	12,749	140	923	842	(1)	5,741	1,278	1,757	1,188	880
1925	12,082	121	888	842	(1)	5,404	1,150	1,681	1,170	826
1926	18,282	126	893	863	6,472	5,232	1,197	1,610	1,097	794
1927	17,592	120	791	754	6,145	5,087	1,120	1,656	1,106	813
1928	18,143	131	797	795	6,516	5,380	1,107	1,525	1,123	769
Equivalent annual birth rate per 1,000 population										
1921	26.3	23.5	25.3	31.0	(1)	25.3	29.5	29.0	28.6	19.7
1922	26.4	24.4	25.8	33.5	(1)	24.5	30.6	30.5	29.2	19.8
1923	25.4	24.4	22.8	30.3	(1)	24.3	29.1	27.9	28.2	19.1
1924	24.2	20.1	21.8	26.6	(1)	23.7	25.7	27.8	25.0	20.1
1925	23.4	18.1	21.6	27.2	(1)	22.7	23.7	27.1	25.3	19.2
1926	25.4	18.9	21.6	27.6	32.9	21.7	24.4	25.6	23.5	18.2
1927	24.1	18.0	19.0	23.9	30.8	20.8	22.6	25.8	23.4	18.4
1928	23.7	19.2	18.4	24.2	31.1	21.0	21.3	22.6	22.4	16.6

(1) Not included in Registration Area

Table 2. Living births classified according to sex and whether single or plural,
February, 1928.

Province	Total	Male	Female	Single Births	Pairs of Twins	No. Triplets
P. E. Island	131	68	63	129	1	-
Nova Scotia	797	400	397	787	5	-
New Brunswick	795	384	411	773	11	-
Quebec	6,516	3,340	3,176	6,362	74	2
Ontario	5,380	2,798	2,582	5,272	54	-
Manitoba	1,107	543	564	1,090	(x)	-
Saskatchewan	1,525	804	721	1,491	17	-
Alberta	1,123	590	533	1,091	16	-
British Columbia	769	375	394	749	10	-
Total	18,143	9,302	8,841	17,744	196	2

(x) Exclusive of a pair of twins one of which was born shortly before midnight January 31st, the other shortly after midnight. The latter is included in the February births.

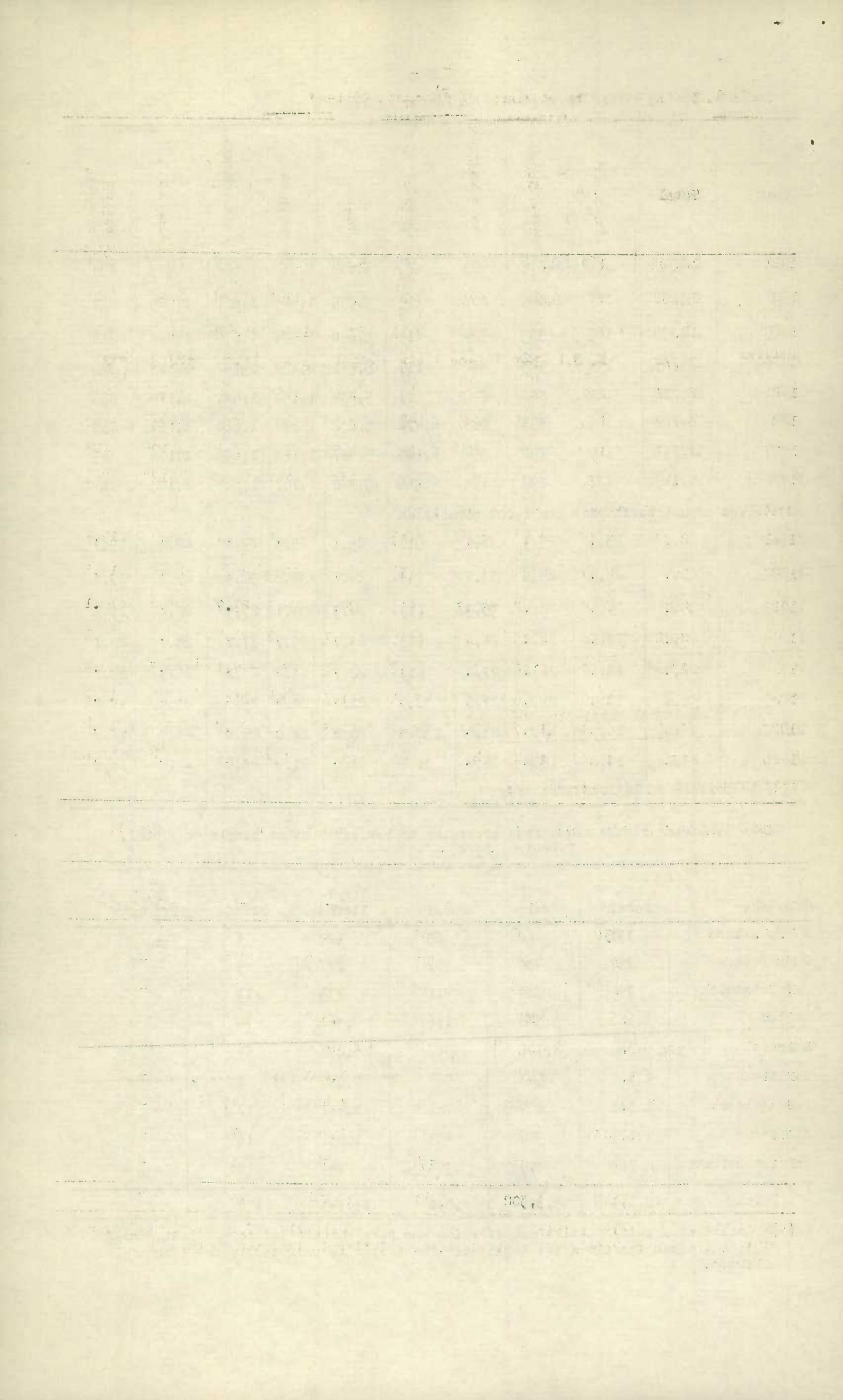


Table 3. Births in cities of 20,000 and over, February, 1921-28.

Cities of 20,000 and over		1921	1922	1923	1924	1925	1926	1927	1928
Montreal	Que.	(1)	(1)	(1)	(1)	1,579	1,506	1,508	
Toronto	Ont.	1,081	1,007	999	992	934	867	869	890
Winnipeg	Man.	458	434	472	387	378	366	348	350
Vancouver	B.C.	243	223	256	258	261	239	269	204
Hamilton	Ont.	298	278	233	257	225	224	222	252
Ottawa	Ont.	259	270	265	262	249	226	236	236
Quebec	Que.	(1)	(1)	(1)	(1)	(1)	317	337	377
Calgary	Alta.	162	152	153	130	120	121	129	137
London	Ont.	111	131	111	107	103	91	108	110
Edmonton	Alta.	160	171	168	153	166	136	133	165
Halifax	N. S.	160	128	135	127	115	120	126	120
St. John	N.B.	101	127	94	90	87	83	90	86
Victoria	B.C.	69	81	49	74	68	40	44	56
Windsor	Ont.	93	94	113	155	116	160	179	161
Regina	Sask.	65	78	89	87	83	86	86	99
Brantford	Ont.	76	52	62	67	58	58	50	67
Saskatoon	Sask.	68	84	84	53	72	47	69	58
Verdun	Que.	(1)	(1)	(1)	(1)	(1)	84	79	93
Hull	Que.	(1)	(1)	(1)	(1)	(1)	89	71	84
Sherbrooke	Que.	(1)	(1)	(1)	(1)	(1)	57	77	65
Sydney	N.S.	39	41	42	31	36	36	31	36
Three Rivers	Que.	(1)	(1)	(1)	(1)	(1)	94	100	111
Kitchener	Ont.	44	41	39	39	40	63	51	54
Kingston	Ont.	49	43	42	50	36	45	54	43
Sault Ste. Marie	Ont.	55	57	68	41	50	41	40	48
Peterborough	Ont.	47	35	50	48	51	40	30	38
Fort William	Ont.	46	60	76	60	69	52	36	62

(1) Not included in Registration Area.

Table 4. Maternal Mortlality, February, 1928, by age groups.

Age Groups	Total	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.
Under 15	-	-	-	-	-	-	-	-	-	-
15 - 19	4	-	-	-	-	2	-	1	-	1
20 - 24	21	-	-	-	9	7	2	1	1	1
25 - 29	26	-	-	2	10	9	-	2	1	2
30 - 39	59	-	2	6	17	18	1	10	3	2
40 - 49	10	1	-	-	5	1	2	1	-	-
50 and over	-	-	-	-	-	-	-	-	-	-
Total	120	1	2	8	41	37	5	15	5	6

Table 5. Mortality of children under one year of age for certain principal causes of death by sex in each province, February, 1928.

Causes of Death		Total	P. E. Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia
	M										
	F										
7. Measles	M	8	-	1	1	4	-	-	1	-	1
	F	6	-	3	3	3	-	-	-	-	-
9. Whooping cough	M	25	-	3	1	15	4	1	1	1	1
	F	18	-	2	-	15	-	-	-	1	-
1-6,8,10,12-30,39-42, other epidemic, endemic and infectious diseases (1)	M	11	-	1	-	7	1	-	1	-	1
	F	19	-	1	1	13	4	1	2	-	-
11. Influenza	M	48	1	4	4	28	9	3	1	1	1
	F	24	-	4	4	12	2	-	1	1	-
31-37. Tuberculosis	M	9	-	1	-	5	1	1	1	1	-
	F	6	-	-	1	2	1	1	1	1	-
38. Syphilis	M	9	-	1	-	4	2	-	1	1	-
	F	3	-	-	-	2	-	-	-	-	-
71A. Meningitis (Simple)	M	9	-	-	-	6	-	-	2	1	-
	F	14	-	-	2	8	3	-	1	-	-
80. Convulsions	M	14	-	2	1	3	3	1	2	2	-
	F	4	-	2	-	2	-	1	-	-	-
99. Bronchitis	M	5	-	-	1	2	1	-	-	-	1
	F	6	-	1	-	2	1	-	1	-	1
100,101. Pneumonia	M	132	-	16	3	55	27	7	10	8	6
	F	85	-	8	1	30	22	3	12	6	3
113. Diarrhoea and enteritis	M	107	-	2	1	78	12	8	3	3	-
	F	67	-	-	-	58	8	-	1	-	-
118. Hernia, Intestinal obstruction	M	5	-	-	-	1	-	1	1	2	-
	F	2	-	-	-	1	1	-	-	-	-
159. Congenital Malformations	M	64	-	1	2	28	14	8	2	5	4
	F	43	1	3	2	11	17	1	2	3	5
160. Congenital debility	M	115	-	88	3	73	17	3	6	3	2
	F	83	-	6	5	53	12	3	3	1	-
161. Premature birth, injury at birth	M	268	-	5	4	108	86	16	23	18	8
	F	182	-	5	7	80	52	10	9	13	6
Other specified causes	M	135	1	6	10	53	37	2	6	11	9
	F	115	3	2	15	47	22	5	9	6	6
204,205. Unspecified or ill-defined causes	M	7	1	1	3	-	2	-	-	-	-
	F	5	-	-	2	2	-	-	-	1	-
Total males		971	3	48	33	470	216	51	62	56	32
Total females		682	4	32	38	341	145	25	43	33	21
Total both sexes		1,653	7	80	71	811	361	76	105	89	53
(1921		107.1	100.0	111.3	101.9	(2)	106.1	106.4	129.6	101.8	78.1
Rate per		91.3	84.8	112.9	94.3	(2)	86.5	86.5	90.5	106.4	80.6
1,000		113.3	163.6	114.7	131.0	(2)	120.0	96.8	118.1	91.6	86.2
living		85.2	157.1	93.2	106.9	(2)	80.5	75.1	89.9	94.3	68.2
births		84.2	57.9	86.7	110.5	(2)	89.2	81.7	77.9	82.1	44.8
		103.1	111.1	96.3	96.2	130.9	91.2	86.9	76.4	88.4	68.0
		109.7	83.3	108.7	102.1	136.5	91.0	116.1	93.6	100.4	72.6
		91.1	53.4	100.4	89.3	124.5	67.1	68.7	68.9	79.3	68.9

(1) Comprises typhoid, smallpox, scarlet fever, diphtheria, mumps, dysentery, erysipelas, acute anterior poliomyelitis, meningococcus, meningitis, chicken-pox, German measles, gonococcus infection and purulent infection.

(2) Not included in Registration Area.

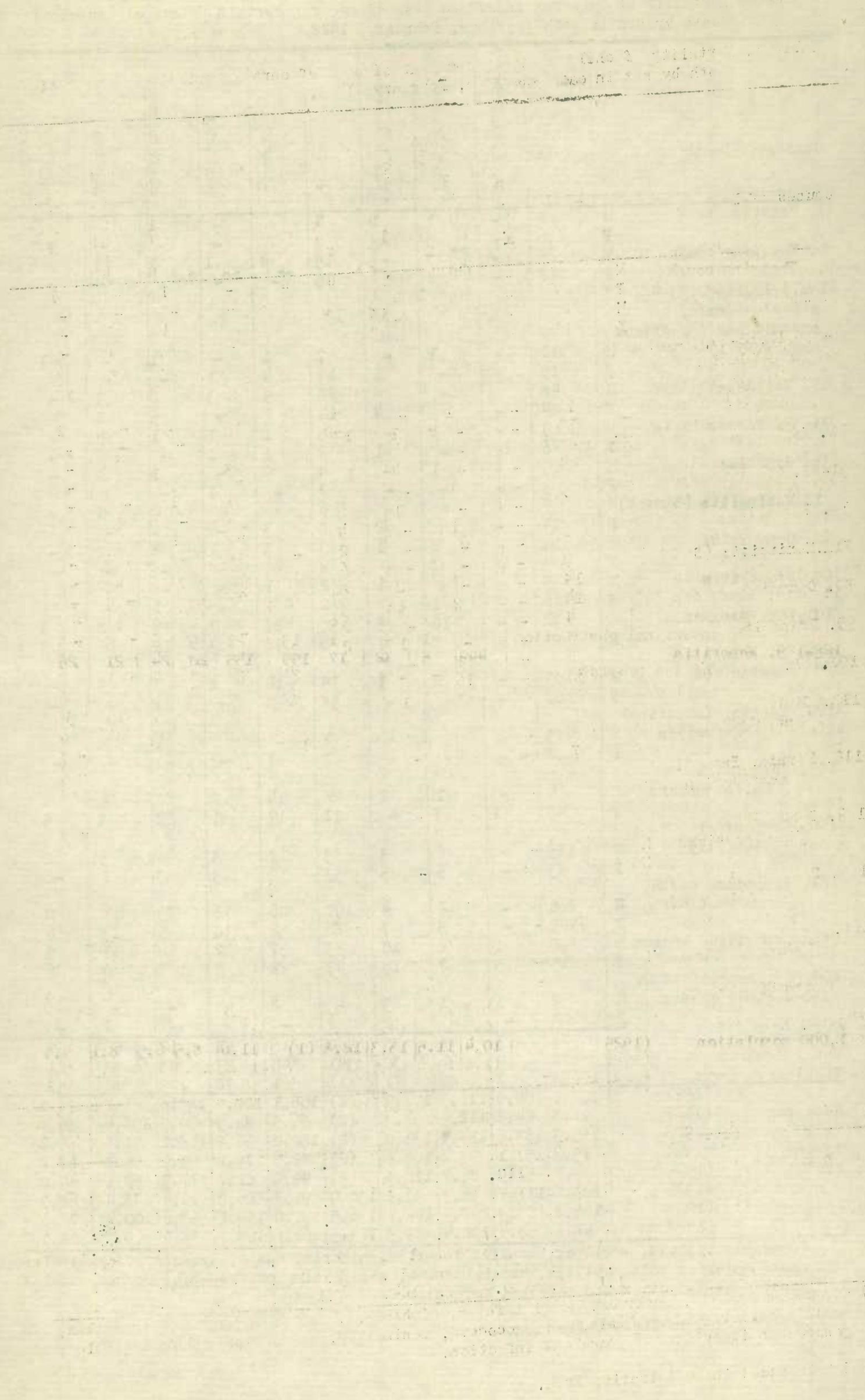


Table 6. Deaths from certain specified causes by provinces, February, 1928

Causes of Death	Total	P. E. I.	Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia
1. Typhoid fever	37	-	3	-	22	5	1	1	4	1	1
7. Measles	41	1	11	7	17	2	-	1	1	-	2
8. Scarlet fever	30	-	1	3	13	8	3	1	1	-	-
9. Whooping cough	64	-	6	-	39	10	1	4	4	1	1
10. Diphtheria	70	1	1	1	40	16	7	2	1	1	1
11. Influenza	351	2	18	18	136	111	10	29	15	12	
31. Tuberculosis, respiratory system	499	9	47	23	222	102	22	20	11	43	
32-27. Tuberculosis, other organs	114	-	12	5	44	23	7	7	7	9	
43-49. Cancer	672	12	51	41	153	265	32	36	39	43	
57. Diabetes mellitus	106	2	6	4	24	46	4	3	5	12	
58. Anaemia chlorosis	64	1	1	2	12	40	3	2	-	3	
71. Meningitis	58	-	1	2	35	10	2	4	2	2	
74. Cerebral haemorrhage, apoplexy	320	4	29	15	48	156	22	15	14	17	
75-76. Paralysis	97	3	13	8	39	23	2	3	3	3	
80. Infantile convulsions (under 5 years of age)	25	-	5	2	8	4	1	3	2	-	
87-90. Diseases of the heart	1,095	9	72	43	279	483	56	49	44	60	
91. Diseases of the arteries	457	2	25	14	72	259	22	15	15	33	
99. Bronchitis	53	-	6	2	17	14	3	2	3	6	
100-101. Pneumonia	831	12	60	34	250	298	34	56	45	42	
113-114. Diarrhoea and enteritis	214	1	4	2	158	30	10	5	4	-	6
117. Appendicitis	123	1	6	1	36	40	2	20	11	11	
118. Hernia, intestinal obstruction	59	1	-	1	13	21	9	6	5	3	
128-129. Nephritis	499	5	32	17	199	155	20	24	21	26	
135. Diseases of the prostate	60	-	1	1	22	24	5	4	1	2	
143-150. Puerperal causes	120	1	2	8	41	37	5	15	5	6	
159. Congenital malformations	122	1	4	2	40	38	9	5	10	13	
160-163. Diseases of early infancy	759	3	25	38	356	186	38	50	43	20	
164. Senility (old age)	214	4	50	39	48	55	2	7	2	7	
165-174. Suicides	45	-	3	-	4	17	4	6	5	6	
188A. Railroad accidents	24	-	1	2	3	11	1	-	3	4	
188B. Street car accidents	6	-	-	-	3	1	-	-	-	2	
188C. Automobile accidents	23	-	-	1	1	14	3	-	1	3	
188D-E-F. Other traffic accidents	36	1	1	2	4	16	1	5	2	4	
175-203. Violent deaths (suicides and traffic accidents excepted)	296	2	26	9	57	145	10	16	15	16	
All other causes	1,263	17	54	78	428	401	66	76	64	79	
Total	8,847	95	576	425	2,883	3,066	417	492	407	486	
(1921)	12.2	19.0	13.0	14.9	(1)	13.7	10.6	3.9	3.0	9.6	
(1922)	11.9	15.5	16.2	16.8	(1)	12.4	10.5	7.5	10.3	11.0	
Equivalent annual death rate per 1,000 population	(1923)	15.3	17.8	16.7	16.2	(1)	19.1	11.0	9.4	9.0	11.3
(1924)	10.6	15.2	14.4	12.4	(1)	11.3	8.4	7.6	8.6	9.8	
(1925)	10.4	11.5	13.3	12.3	(1)	11.6	8.5	6.5	8.1	9.5	
(1926)	11.8	13.6	13.5	12.9	14.3	12.1	8.8	7.4	8.5	9.9	
(1927)	12.2	13.2	13.9	12.7	14.0	12.0	12.0	6.9	9.2	10.8	
(1928)	11.6	13.9	13.3	12.9	13.7	12.0	8.0	7.3	8.1	10.5	

(1) Not included in Registration Area.

Table 7. Deaths by certain specified causes in cities of 30,000 and over, February, 1928

Causes of Death	Montreal	Toronto	Winnipeg	Vancouver	Hamilton	Ottawa	Quebec	Calgary	London	Edmonton	Halifax	St. John	Victoria	Windsor	Regina
1. Typhoid fever	6	2	-	-	-	-	-	-	-	-	-	-	-	-	-
7. Measles	4	1	-	-	-	-	-	-	-	-	1	1	-	-	1
8. Scarlet fever	1	-	1	-	-	-	1	-	-	1	-	1	-	-	-
9. Whooping cough	3	-	-	-	1	-	1	-	-	-	-	-	-	-	-
10. Diphtheria	19	4	4	-	1	2	4	-	1	-	-	-	-	-	1
11. Influenza	42	22	1	4	5	2	6	2	-	2	3	-	-	3	-
31. Tuberculosis, respiratory system	60	14	5	13	4	5	14	1	-	-	4	1	2	1	1
32-37. Tuberculosis, other organs	17	4	4	5	2	-	3	-	-	1	2	-	-	-	1
43-49. Cancer	59	65	17	11	16	9	8	7	12	7	9	7	8	5	4
57. Diabetes mellitus	17	10	1	5	2	2	1	1	1	-	1	-	1	-	1
58. Anaemia, chlorosis	1	9	1	-	2	2	-	-	1	-	-	-	-	-	-
71. Meningitis	7	2	-	-	-	-	3	-	-	1	1	-	-	-	-
74. Cerebral haemorrhage, apoplexy	18	24	7	3	6	4	4	-	1	3	4	2	3	3	1
75-76. Paralysis	8	-	-	2	-	3	-	-	1	1	-	1	-	-	1
80. Infantile convulsions (Under 5 years of age)	1	-	-	-	-	1	2	-	1	-	1	-	-	-	-
87-90. Diseases of the heart	109	86	22	12	11	22	11	7	16	8	3	7	8	3	4
91. Diseases of the arteries	25	49	8	17	6	12	6	3	9	3	8	3	1	4	3
99. Bronchitis	3	1	-	1	-	-	3	-	-	-	-	-	1	-	-
100-101. Pneumonia	88	66	11	18	21	8	17	1	10	3	7	2	3	3	4
113-114. Diarrhoea and enteritis	37	3	-	-	1	4	16	-	1	1	-	-	-	1	-
117. Appendicitis	15	11	1	1	-	5	4	3	-	1	1	1	1	1	5
118. Hernia, intestinal obstruction	2	3	5	1	1	-	-	-	2	1	-	1	-	1	1
128-129. Nephritis	99	23	9	13	6	7	20	4	12	7	5	6	2	5	1
135. Diseases of the prostate	8	7	1	1	3	1	1	-	1	-	-	-	-	-	-
143-150. Puerperal causes	14	8	2	1	5	2	4	-	1	2	-	1	1	1	2
159. Congenital malformations	16	7	2	7	1	1	5	3	2	2	1	1	1	-	-
160-163. Diseases of early infancy	80	14	9	5	5	8	17	7	3	4	1	2	-	6	1
164. Senility (Old age)	5	5	-	-	1	-	1	-	-	-	2	1	-	1	-
165-174. Suicides	2	4	3	2	2	-	-	1	-	1	-	-	-	-	1
188A. Railroad accidents	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-
188B. Street car accidents	3	1	-	2	-	-	-	-	-	-	-	-	-	-	-
188C. Automobile accidents	1	7	2	2	-	1	-	1	-	-	-	-	-	-	-
188D-E-F. Other traffic accidents	1	2	-	1	-	-	-	-	-	-	-	-	-	-	-
175-203. Violent deaths (suicides and traffic accidents excepted)	18	14	6	2	4	3	1	-	1	2	3	5	-	6	1
All other causes	136	69	27	29	15	21	33	13	8	9	10	14	8	10	8
Total	925	537	149	158	121	126	186	54	84	60	72	57	40	54	42

Table 8. Marriages reported in February, 1921-28.

Number and rate	Total	F.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.
Total marriages -										
1921	3,311	38	256	176	(1)	1,473	414	368	347	239
1922	3,258	45	227	170	(1)	1,390	381	443	352	250
1923	2,735	31	173	134	(1)	1,212	313	399	286	187
1924	2,908	19	156	129	(1)	1,242	321	430	369	242
1925	3,260	34	206	156	(1)	1,442	349	446	355	270
1926	3,995	30	178	135	974	1,309	334	414	345	276
1927	4,393	33	190	149	1,145	1,380	368	459	368	301
1928	4,558	36	214	167	1,073	1,446	401	476	452	293
Equivalent annual rate per 1,000 population										
1921	6.7	5.6	6.4	6.0	(1)	6.5	8.8	6.3	7.7	6.0
1922	6.5	6.6	5.6	5.6	(1)	6.1	8.1	7.5	7.8	6.0
1923	5.4	4.6	4.2	4.4	(1)	5.2	6.6	6.6	6.3	4.4
1924	5.5	2.7	3.7	4.1	(1)	5.1	6.5	6.8	7.8	5.5
1925	6.3	5.1	5.0	5.0	(1)	6.1	7.2	7.2	7.7	6.3
1926	5.6	4.5	4.3	4.3	5.0	5.4	6.8	6.6	7.4	6.3
1927	6.0	4.9	4.6	4.7	5.7	5.6	7.4	7.2	7.8	6.8
1928	6.0	5.3	4.9	5.1	5.1	5.7	7.7	7.1	9.0	6.3

(1) Not included in Registration Area.

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