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PRELIMINARY MONTHLY REPORT

VITAL STATISTICS

OCTOBER 1927

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This bulletin gives a preliminary report on Births, Deaths and Marriages for the month of October, 1927, for the nine provinces of Canada. Monthly reports for years previous to 1926 covered only what was termed the Registration Area of Canada which did not include the province of Quebec.

Since January, first 1926, Quebec province has joined in the scheme of national vital statistics so that since that time the Monthly Reports of the Bureau of Statistics cover all the provinces while the Annual Reports include the Yukon and Northwest Territories.

In comparing the figures for October, 1927 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 1927 are provisional. Attention is further directed to the fact that for 1926 and 1927 the figures for Quebec are included in all tables. To obtain a comparison for the Registration Area as constituted previous to 1926, the figures for Quebec should be deducted.

BIRTHS

The total number of births reported for the nine provinces of Canada in October, 1927 was 18,105, as against 18,512 for October of last year. The provinces of New Brunswick, Quebec and Manitoba showed an increase while the other provinces showed a decrease.

There were altogether 18,425 confinements. Single confinements numbered 13,201 resulting in 17,634 children born alive and 517 children born dead. Twin births numbered 221; in 199 cases both infants were born alive while 14 cases one only was born alive and in 8 cases both were born dead. There were three sets of triplets in which all the children were born alive.

Stillbirths reported in October were distributed as follows: Prince Edward Island 1; Nova Scotia 29; New Brunswick 18; Quebec 137; Ontario 234; Manitoba 32; Saskatchewan 45; Alberta 38; British Columbia 13; making a total of 547. 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 4.2 for October, 1927. The rates for the same month in the preceding years were as follows: 1926, 5.0; 1925, 5.0; 1924, 5.6; 1923, 6.0; 1922 6.3; and 1921, 5.2. As already indicated the province of Quebec is included in this rate for 1926 and 1927 only.

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 October, 87 per cent were attributable to the causes of death listed in the table. The mortality among male children under one year of age was 109.3 per 1,000 males born alive, while mortality among females was 89.7 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.

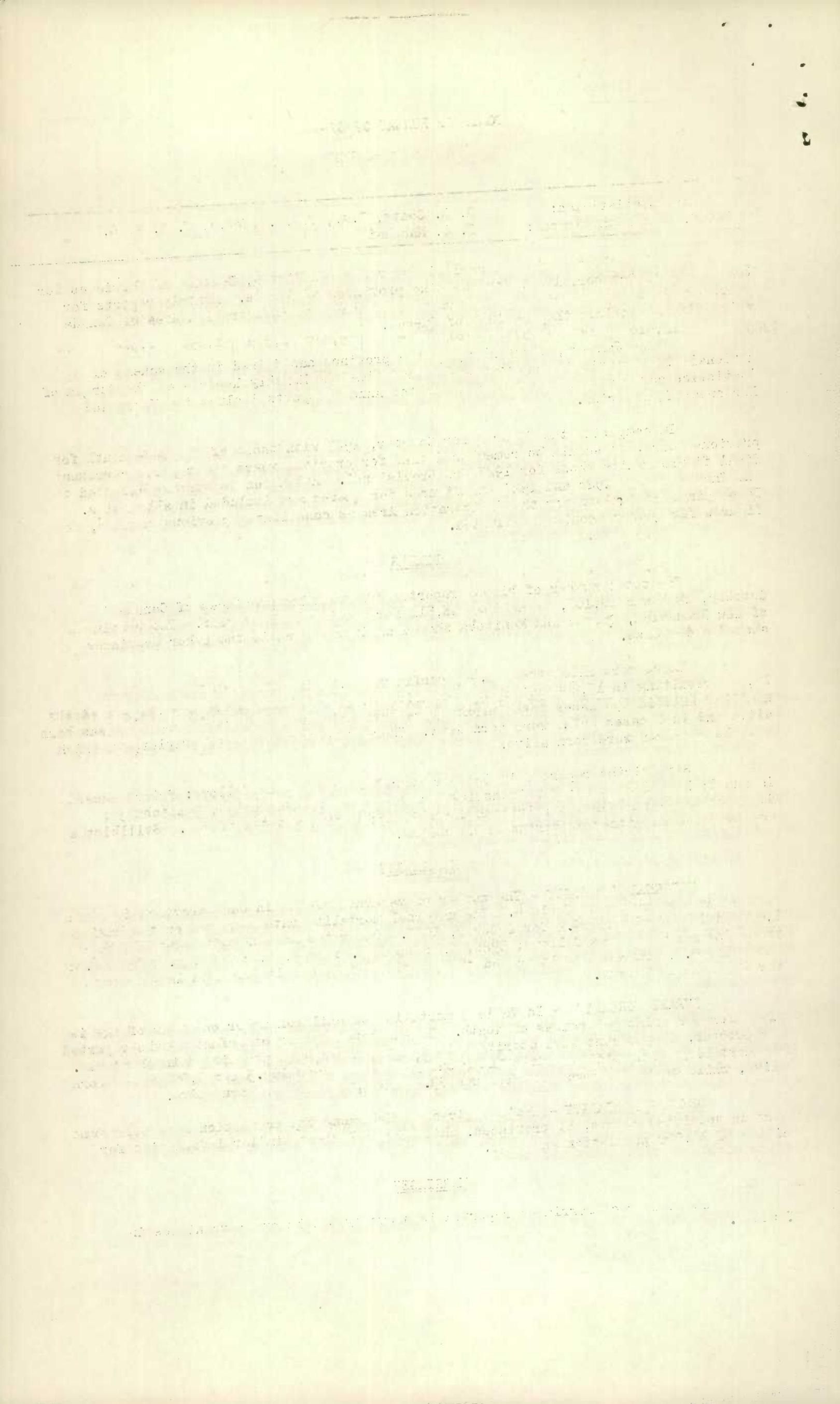


Table 1. Living births by provinces in October, 1921-27.

Year	Total	P.E. Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia
1921	13,752	174	1,103	907	-	5,909	1,537	1,896	1,345	881
1922	13,021	189	987	824	-	5,702	1,355	1,76	1,348	860
1923	12,516	147	975	781	-	5,470	1,379	1,690	1,304	770
1924	12,768	144	983	802	-	5,669	1,255	1,775	1,249	891
1925	12,299	139	906	811	-	5,536	1,176	1,704	1,179	848
1926 (1)	18,512	148	915	727	6,333	5,538	1,134	1,711	1,197	809
1927 (1)	18,105	128	887	753	6,361	5,387	1,190	1,547	1,093	759

Equivalent annual birth rate per 1,000 population.

1921	25.3	23.1	24.8	26.1	-	23.7	29.7	29.5	26.9	19.8
1922	23.6	25.3	22.0	24.7	-	22.5	25.9	26.8	26.8	18.8
1923	22.4	19.7	21.5	23.3	-	21.3	26.1	25.4	25.8	16.4
1924	22.6	19.3	21.7	23.7	-	21.9	23.6	26.3	24.6	19.0
1925	21.5	18.8	19.9	23.7	-	21.0	21.9	24.8	23.0	17.8
1926 (1)	23.2	20.0	20.0	21.0	29.1	20.7	20.9	24.5	23.2	16.8
1927 (1)	22.4	(2)	19.2	21.6	26.6	19.9	21.7	21.8	20.9	15.5

(1) Figures for Quebec included for 1926 and 1927.

(2) The figures for Prince Edward Island are regarded as too incomplete to justify computation of a rate.

Table 2. Living births classified according to sex and whether single or plural, October, 1927.

Province	Total	Male	Female	Single births	Pairs of Twins	No. Triplets
P. E. Island	128	72	56	122	3	-
Nova Scotia	887	468	419	863	12	-
New Brunswick	753	393	360	727	13	-
Quebec	6,361	3,273	3,088	6,221	70	-
Ontario	5,387	2,803	2,584	5,283	52	-
Manitoba	1,190	632	558	1,157	15	1
Saskatchewan	1,547	826	719	1,513	14	2
Alberta	1,093	556	537	1,067	13	-
British Columbia	759	406	353	745	7	-
Total	18,105	9,431	8,674	17,698	199	3

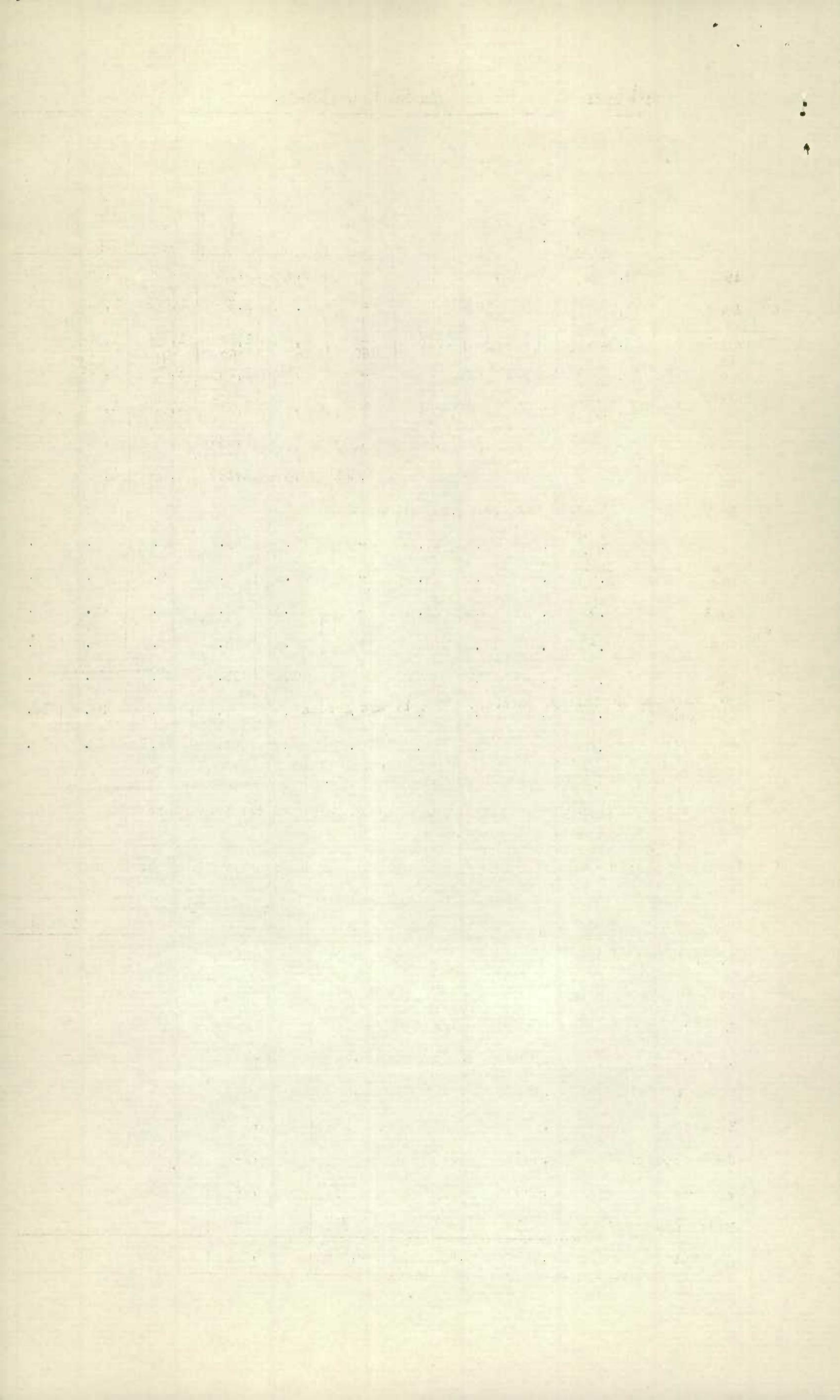


Table 3. Births in cities of 20,000 and over, October, 1921-1927.

Cities of 20,000 and over		1921	1922	1923	1924	1925	1926	1927
Montreal	Que.	-	-	-	-	-	1,533	1,447
Toronto	Ont.	1,006	1,030	957	954	991	925	991
Winnipeg	Man.	538	426	388	394	355	339	379
Vancouver	B.C.	300	272	230	260	244	258	236
Hamilton	Ont.	251	230	232	254	230	227	215
Ottawa	Ont.	260	279	227	233	214	232	222
Quebec	Que.	-	-	-	-	-	361	366
Calgary	Alta.	161	130	146	139	120	131	142
London	Ont.	114	112	116	117	118	114	98
Edmonton	Alta.	166	171	180	167	162	141	135
Halifax	N.S.	148	156	112	103	115	95	125
St. John	N.B.	92	87	106	91	102	72	80
Victoria	B.C.	83	60	82	71	58	60	51
Windsor	Ont.	102	101	137	142	170	194	171
Regina	Sask.	96	85	75	70	82	104	108
Brantford	Ont.	60	71	56	54	49	55	50
Saskatoon	Sask.	89	56	64	63	80	91	73
Verdun	Que.	-	-	-	-	-	89	93
Hull	Que.	-	-	-	-	-	85	86
Sherbrooke	Que.	-	-	-	-	-	57	63
Sydney	N.S.	48	37	43	40	45	42	34
Three Rivers	Que.	-	-	-	-	-	94	100
Kitchener	Ont.	57	47	49	39	53	68	56
Kingston	Ont.	60	57	44	46	47	51	56
Sault Ste. Marie	Ont.	67	52	51	52	48	42	36
Peterborough	Ont.	43	52	44	44	40	40	41
Fort William	Ont.	67	61	54	65	46	40	46

Table 4. Maternal Mortality, October, 1927, by age groups

Age groups	Total	P.E.I.	N.S.	N.F.	Que.	Ont.	Man.	Sask.	Alta.	B.C.
Under 15	-	-	-	-	-	-	-	-	-	-
15 - 19	2	-	-	-	-	1	-	-	1	-
20 - 24	11	-	-	-	4	3	1	2	1	-
25 - 29	13	-	1	-	2	4	1	3	-	2
30 - 39	37	-	2	-	11	8	2	5	6	3
40 - 49	13	-	2	-	3	6	1	1	-	-
50 and over	-	-	-	-	--	-	-	-	-	-
Total	76	-	5	-	20	22	5	11	8	5

Table 5. Mortality of children under one year of age for certain principal causes of death by sex in each province, October, 1927.

Causes of death	Total	P.E. Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	
7. Measles	M 6 F 3	- - -	- - -	- - -	5 2	- -	- -	- -	- -	1 - 4	
9. Whooping cough	M 29 F 19	- - -	2	1 2	10 10	7 4	1 4	2 1	1	1 - 4	
10-6,8,10,12-30,39-42 other epidemic, endemic and infectious diseases	(1) M 19 F 18	- - -	1	1	8 14	3 2	2	1 1	2 1	1 - 1	
11. Influenza	M 10 F 16	- - -	1	2	6 12	1 3	1	- -	- -	- -	
31-37. Tuberculosis	M 5 F 6	- - -	1	1	3 5	2 1	1	- -	- -	- -	
38. Syphilis	M 4 F 1	- - -	1	1	1 1	1 1	1	- -	- -	- -	
71A. Meningitis (simple)	M 16 F 17	- - -	1	2	12 12	2 1	1	1 1	1 1	2 2	
80. Convulsions	M 10 F 13	- - -	2	1	4 1	3 6	2	- -	- -	1 1	
99. Bronchitis	M 3 F 7	- - -	1	1	1 1	1 1	1	1 1	1 1	1 1	
100,101 Pneumonia	M 55 F 48	- -	2	2	24 15	16 9	4 3	3 6	3 5	1 1	
115. Diarrhea and enteritis	M 346 F 244	2	15	9	219 147	62 62	14 5	11 6	11 6	3 3	
116. Hernia, Intestinal obstruction	M 3 F 4	- -	1	1	- 2	2 1	1	- -	- -	- -	
159. Congenital malformations	M 45 F 44	1	1	1	17 14	17 15	1	4	3 3	1 2	
160. Congenital debility	M 124 F 66	1	8	5	67 33	24 11	6 2	9 8	4 4	4 -	
161. Premature birth, injury at birth	M 226 F 162	2	11	7	80 56	61 57	20 13	19 8	19 10	7 4	
Other specified causes	M 127 F 105	1	7	9	66 45	26 33	4 8	7 5	5 5	2 1	
204,205, Unspecified of ill-defined causes	M 3 F 5	- -	3	-	-	-	-	-	-	-	
Total males	1,031	7	49	42	523	227	57	57	44	25	
Total females	775	2	40	35	370	205	34	42	39	11	
Total both sexes	1,809	9	89	77	893	432	91	99	83	36	
Rate per 1,000 lives births	(1921 (1922 (1923 (1924 (1925 (1926 (2) (1927 (2)	80.9 93.9 86.6 75.4 90.5 102.6 99.9	57.5 79.4 95.2 46.6 79.1 54.1 -	112.4 104.4 92.3 97.7 66.2 87.4 100.3	126.8 109.2 112.7 142.1 133.2 143.1 102.3	- - - - - 148.6 140.4	89.5 92.9 85.6 72.3 93.9 75.2 80.2	87.8 112.2 81.9 66.5 89.3 63.5 76.5	78.6 113.9 96.4 70.4 96.2 70.1 64.0	89.2 103.1 82.1 76.1 61.1 79.4 75.9	46.5 68.6 53.2 33.7 86.1 58.1 47.4

(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) Figures for Quebec included for 1926 and 1927.

Table 6. Deaths from certain specified causes by provinces, October, 1927

Causes of death.	Total	P.E. Island	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia.
1. Typhoid fever	55	1	4	24	10	3	5	2	2
2. Measles	19	-	2	14	-	-	-	1	3
3. Scarlet fever	26	-	2	15	-	-	1	2	-
9. Whooping cough	76	1	3	34	12	5	3	4	6
10. Diphtheria	107	-	1	50	25	16	4	6	3
11. Influenza	130	1	10	45	44	5	7	6	4
31. Tuberculosis, respiratory system	436	4	39	25	167	112	22	21	26
32-37. Tuberculosis, other organs	95	-	2	41	21	7	7	9	6
43-49 Cancer	682	10	54	29	171	268	34	34	50
57. Diabetes mellitus	97	2	2	24	40	10	4	3	6
58. Anaemia chlorosis	50	-	2	1	25	2	1	2	5
71. Meningitis	65	-	6	1	40	11	2	2	3
74. Cerebral haemorrhage, apoplexy	260	1	19	16	59	121	13	8	16
75-76. Paralysis	109	1	11	9	52	24	4	2	4
80. Infantile convulsions (under 5 years of age)	31	-	4	2	9	11	2	-	1
87-90. Diseases of the heart	979	12	46	36	235	453	58	43	50
91. Diseases of the arteries	430	2	18	8	73	243	15	16	22
99. Bronchitis	39	-	5	1	13	11	3	1	2
100-101. Pneumonia	478	1	27	29	156	153	30	32	24
113-114. Diarrhoea and enteritis	770	6	33	28	442	180	22	30	21
117. Appendicitis	113	1	6	8	37	31	5	10	12
118. Hernia, intestinal obstruction	63	-	4	3	21	19	6	5	3
128-129. Nephritis	439	6	19	14	175	154	10	23	14
135. Diseases of the prostate	58	-	4	3	13	28	5	1	2
143-150. Puerperal causes	76	-	5	-	20	22	5	11	6
159. Congenital malformations	99	1	5	3	31	36	2	6	7
160-163. Diseases of early infancy	665	3	35	32	230	168	43	48	40
164. Senility (old age)	205	-	36	24	58	54	6	9	8
165.-174. Suicides	59	-	2	1	7	26	4	4	7
188A. Railroad accidents	38	-	2	2	6	16	4	4	1
188B. Street car accidents	3	-	1	-	-	2	-	-	-
188C. Automobile accidents	52	-	9	1	20	33	4	1	6
188D-E-F. Other traffic accidents	39	-	-	2	10	4	2	6	10
175-203. Violent deaths (suicides and traffic accidents excepted)	259	1	5	10	69	85	13	24	23
All other causes	1,211	15	65	62	397	395	79	64	68
Total	8,345	79	486	381	2,620	2,351	441	446	411
(1921	10.2	12.0	11.7	13.6	-	11.3	9.0	7.5	6.0
(1922	10.3	11.8	11.6	13.0	-	11.1	9.7	8.5	6.6
Equivalent annual (1923	9.6	13.2	11.1	11.2	-	10.1	6.4	7.3	7.3
Death rate per (1924	9.4	10.1	12.3	13.3	-	10.0	7.2	7.0	7.4
11,000 population (1925	9.9	9.6	10.3	13.1	-	10.9	6.4	7.5	7.7
(1926 (1)	10.4	11.4	9.8	12.2	13.0	10.4	7.2	6.9	7.6
(1927 (1)	10.3	-	10.5	10.9	12.8	10.5	6.0	6.3	6.8

(1) Figures for Quebec included for 1926 and 1927.

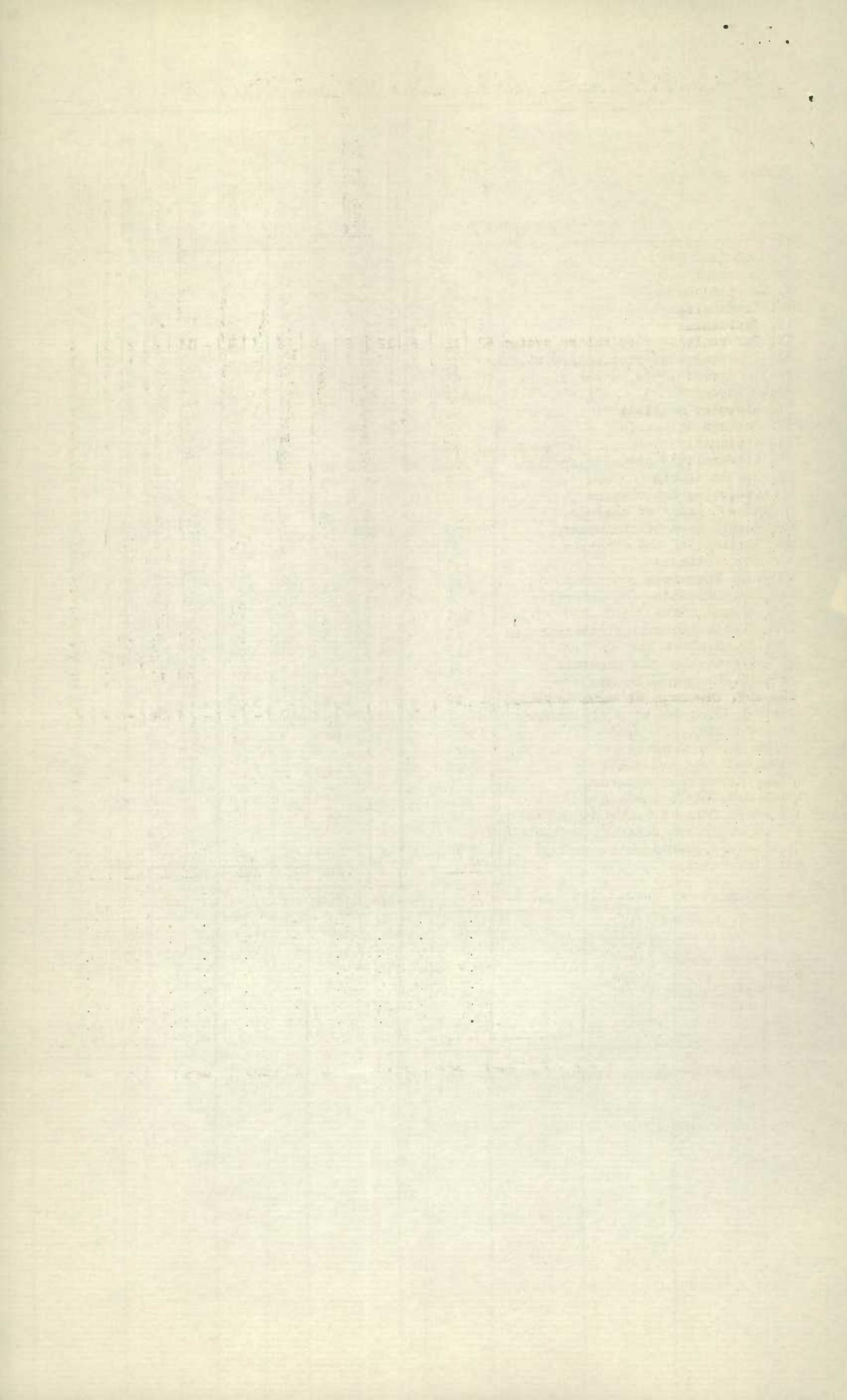


Table 7. Deaths by certain specified causes in cities of 30,000 and over, October, 1927

Causes of death.	Montreal	Toronto	Winnipeg	Vancouver	Hamilton	Ottawa	Quebec	Calgary	London	Edmonton	Halifax	St. John	Victoria	Windsor	Regina
1. Typhoid fever	3	-	-	-	-	1	-	-	-	1	-	-	1	-	1
7. Measles	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. Scarlet fever	3	1	-	-	-	-	1	-	-	-	-	-	-	-	-
9. Whooping cough	6	3	3	1	-	-	1	2	-	-	-	1	1	1	1
10. Diphtheria	26	9	4	1	-	1	2	5	3	4	11	2	2	2	2
11. Influenza	6	7	4	1	-	2	5	-	5	-	1	1	1	1	1
31. Tuberculosis, respiratory system	52	11	8	12	2	4	8	3	4	-	4	1	1	1	1
32-37. Tuberculosis, other organs	15	5	3	2	1	1	3	-	-	4	1	-	1	2	2
43-49. Cancer	66	64	16	17	14	8	10	4	8	8	7	6	10	3	1
57. Diabetes mellitus	13	8	3	3	3	4	1	-	1	1	-	1	1	1	1
58. Anaemia, chlorosis	1	3	-	2	-	2	-	1	-	-	-	-	1	2	-
71. Meningitis	4	1	2	1	-	2	1	-	1	-	-	-	-	-	-
74. Cerebral haemorrhage, apoplexy	23	21	6	5	2	1	3	-	2	-	3	2	5	1	1
75-76. Paralysis	7	5	1	1	1	2	3	-	1	-	-	1	-	-	-
80. Infantile convulsions (under 5 years of age)	1	1	-	-	1	-	1	-	1	-	-	-	-	-	-
87-90. Diseases of the heart	78	76	23	15	16	18	15	6	16	9	5	2	7	5	4
91. Diseases of the arteries	24	63	7	14	16	6	6	3	7	3	3	2	2	5	2
99. Bronchitis	3	2	1	-	2	-	-	-	-	1	-	-	-	-	-
100-101. Pneumonia	47	32	9	6	4	10	16	2	2	4	3	6	1	2	6
113-114. Diarrhoea and enteritis	100	29	5	1	10	3	28	1	1	1	3	3	7	1	1
117. Appendicitis	13	8	2	1	2	2	5	3	-	4	2	1	-	3	-
118. Hernia, intestinal obstruction	7	1	4	-	-	1	1	-	1	1	-	2	-	1	-
128-129. Nephritis	69	19	2	9	11	8	14	4	5	5	2	2	1	1	2
135. Diseases of the prostate	4	7	2	1	-	-	1	-	1	-	2	-	-	1	1
143-150. Puerperal causes	7	4	2	1	1	3	2	-	-	-	2	-	-	-	1
159. Congenital malformations	5	8	1	2	-	2	5	2	1	1	2	1	1	-	-
160-163. Diseases of early infancy	56	18	14	4	1	12	14	3	3	4	9	1	1	7	3
164. Senility (old age)	4	7	1	-	-	3	3	-	-	3	4	-	-	-	-
165-174. Suicides	3	9	-	5	1	1	1	-	-	2	-	1	-	-	-
188A. Railroad accidents	1	--	1	-	1	-	-	-	1	-	-	-	-	-	-
188B. Street car accidents	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-
188C. Automobile accidents	11	5	1	2	-	2	2	-	-	2	2	-	1	2	-
188D-E-F. Other traffic accidents	1	1	1	1	-	1	-	2	-	-	-	1	-	1	1
175-203. Violent deaths (suicides and traffic accidents excepted)	23	8	2	4	8	1	7	2	1	1	-	2	-	-	-
All other causes	117	89	33	22	17	17	20	6	10	8	9	10	6	3	4
Total	800	526	159	129	114	117	179	42	72	61	71	54	40	51	34

Table 8. Marriages reported in October, 1921-27.

Number and rate	Total	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.
Total marriages -										
1921	4,423	51	342	281	-	2,145	497	367	405	335
1922	4,561	68	335	330	-	2,212	486	438	373	319
1923	4,756	46	371	339	-	2,500	448	425	272	355
1924	4,139	42	279	323	-	2,246	318	331	264	336
1925	4,435	45	259	377	-	2,180	422	429	339	584
1926 (1)	6,487	43	313	327	1,903	2,273	396	527	309	396
1927 (1)	6,497	45	313	332	1,930	2,408	426	363	259	421
Equivalent annual rate per 1,000 population										
1921	8.1	6.8	7.7	8.7	-	8.6	9.6	5.7	8.1	7.5
1922	8.3	9.1	7.5	9.9	-	8.7	9.3	6.7	7.4	7.0
1923	8.5	6.2	8.2	10.1	-	9.7	8.5	6.4	5.4	7.5
1924	7.3	5.6	6.2	9.6	-	8.7	6.0	4.9	5.2	7.2
1925	7.8	6.1	5.7	11.0	-	8.3	7.3	5.2	6.6	8.1
1926 (1)	8.1	5.8	6.8	9.5	8.7	8.5	7.3	7.6	6.0	8.2
1927 (1)	8.0	-	6.8	9.5	8.7	8.9	7.8	5.1	4.9	8.6

(1) Figures for Quebec included for 1926 and 1927

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