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DOMINION BUREAU OF STATISTICS

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This bulletin gives a preliminary report on Births, Deaths and Marriages for the month of September 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 September 1924 with those of the same month of 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 12,211 being 6,110 males and 6,101 females in September 1924, as compared with 13,196 in September 1923; 13,622 in September 1922 and 14,278 in September 1921. The equivalent annual birth rate per 1,000 population for the month was 21.8 in 1924; 24.0 in 1923; 25.3 in 1922 and 27.1 in 1921.

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

TABLE I.— BIRTHS BY PROVINCES IN SEPTEMBER, 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	116	181	143	191	16.1	25.0	19.8	26.2
Nova Scotia	932	1,004	1,102	1,198	21.2	22.9	25.4	27.8
New Brunswick	838	873	962	943	25.4	26.9	29.9	30.2
Ontario	5,615	5,941	5,973	6,185	22.3	23.9	24.4	25.7
Manitoba	1,263	1,390	1,466	1,574	23.3	26.3	28.5	31.4
Saskatchewan	1,626	1,790	1,832	1,917	23.5	26.8	28.4	30.8
Alberta	1,091	1,174	1,263	1,365	20.3	22.5	25.1	28.2
British Columbia	730	843	881	905	15.7	18.5	19.9	21.0
Totals	12,211	13,196	13,622	14,278	21.8	24.0	25.3	27.1

Of the total births (12,211) reported for the Registration Area in September, 11,959 were single births and 126 twins (252 infants). During the month there were reported 404 stillbirths (398 confinements) making a total of 12,474 confinements as against 12,901 in the previous month.

TABLE 2.— LIVING BIRTES CLASSIFIED ACCORDING TO SEX AND WHETHER SINGLE OR PLURAL, SEPTEMBER 1924.

Provinces	Total	Male	Female	Single Births	Pairs of Twins	No. Triplets
P. E. Island	116	46	70	114	1	-
Nova Scotia	932	496	436	920	6	-
New Brunswick	838	436	402	824	7	-
Ontario	5,615	2,808	2,807	5,505	55	-
Manitoba	1,263	586	677	1,231	16	-
Saskatchewan	1,626	823	803	1,600	13	-
Alberta	1,091	550	541	1,057	17	-
British Columbia	730	365	365	708	11	-
Totals	12,211	6,110	6,101	11,959	126	-

Note: Included in single living births and single stillbirths are 9 cases of twins, where one child was born alive and one dead. Included in twin living births and single stillbirths is one case of triplets where two children were born alive and one dead.

Stillbirths reported in August were distributed as follows: Prince Edward Island 4; Nova Scotia 35; New Brunswick 20; Ontario 219; Manitoba 47; Saskatchewan 46; Alberta 18; British Columbia 15, a total for the eight provinces of 404.

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 ten of the cities there were fewer births reported in September 1924 than in September 1923. In only two cities, London and Windsor, were the number of living births reported equal to or greater in September 1924 than in September 1921.

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

Cities of 30,000 and over	1924	1923	1922	1921
Toronto	945	1,032	998	1,085
Hamilton	260	267	245	303
Ottawa	247	250	246	268
London	116	108	118	98
Windsor	145	121	117	119
Winnipeg	396	433	501	512
Regina	93	95	97	117
Calgary	128	138	152	181
Edmonton	152	150	194	160
Vancouver	224	244	229	290
Victoria	62	70	69	83
Halifax	116	185	147	146
St. John	90	114	97	102

INFANTILE MORTALITY

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

TABLE 4.- INFANT MORTALITY BY TOTALS FOR PROVINCES, SEPTEMBER 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	7	7	13	12	60.3	38.7	90.9	62.8
Nova Scotia	123	81	94	135	132.0	80.7	85.3	112.7
New Brunswick	156	105	173	202	186.2	120.3	179.8	214.2
Ontario	424	414	539	776	75.5	69.7	90.2	125.5
Manitoba	86	118	186	137	68.1	84.9	126.9	87.0
Saskatchewan	134	186	200	130	82.4	103.9	109.2	67.3
Alberta	75	121	101	117	68.7	103.1	80.0	85.7
British Columbia	28	54	59	43	33.4	64.1	67.0	47.5
Totals	1,033	1,086	1,365	1,552	84.6	82.3	100.2	103.7

Of the total number of infant deaths reported for September in the Registration Area, 84.3 per cent or 871 out of 1,033 were attributable to the 16 causes of death listed in Table 5. The mortality among male children, under one year of age, was 93.9 per 1,000 males born or 574 to 6,110 living male births, while the mortality for females, under one year, was 75.2 per 1,000 females born or 459 deaths to 6,101 living female births.

TABLE 5.—MORTALITY OF CHILDREN UNDER ONE YEAR OF AGE FOR CERTAIN PRINCIPAL CAUSES OF DEATH, AND BY SEX IN PROVINCES, SEPTEMBER 1927.

Causes of Death												
7. Measles	M.	16	3									
9. Whooping Cough	M.	7	1									
10. Diphtheria	M.	1	1									
11. Influenza	M.	1	1									
31-37. Tuberculosis	M.	2	4									
38. Syphilis	M.	4	4									
71. Meningitis	M.	3	3									
80. Convulsions	M.	10	6									
99. Bronchitis	M.	4	4									
100-101. Pneumonia	M.	30	26									
112-113. Gastro Intestinal Diseases	M.	185	148									
159. Congenital Malformations	M.	46	26									
160. Congenital Debility	M.	69	40									
161A. Premature Birth	M.	95	98									
161B. Injury at Birth	M.	21	18									
162-163. Other diseases, early infancy	M.	12	12									
All other causes	M.	72	60									
Total, Both Sexes		1,033	7	123	156	424	86	134	75	25		
Total, Males		574	5	84	85	221	48	76	40	13		
Total, females		459	2	39	71	203	38	58	35	15		
Rate per 1,000 living births		84.6	60.3	132.0	186.2	75.5	68.1	82.4	68.7	38.4		

M. - Males; F. - Females. The number annexed to the "Causes of Death"

refers 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, SEPTEMBER 1924, BY AGE GROUPS.

Age Groups	Total	P.E.I.	N.S.	N.B.	Ont.	Man.	Sask.	Alta.	B.C.
15 - 19	3	-	-	1	-	2	-	-	-
20 - 24	6	-	-	1	4	4	1	1	-
25 - 29	7	-	-	1	4	4	1	1	1
30 - 39	33	-	-	4	1	14	3	5	1
40 - 49	11	-	-	1	1	2	4	5	-
50 and over	-	-	-	-	-	-	-	-	-
Age not stated	-	-	-	-	-	-	-	-	-
Totals	60	-	6	3	26	6	11	6	2
Rate per 1,000 living births	4.9 (1924)	4.9 (1923)	6.4 5.5 (1922)	3.6 2.0 2.7 (1921)	4.6 3.0 3.0 3.3	4.8 3.6 6.1 4.4	6.8 3.9 7.6 3.7	5.5 1.7 4.0 4.4	2.7 3.6 5.7 4.4

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

Causes of Death	Total	P.E.I.	Island	Nova Scotia	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia
143. Accidents of pregnancy (a) Abortion (b) Ectopic gestation (c) Other accidents of pregnancy	14	0	1	1	1	6	1	3	2	1
144. Puerperal haemorrhage	6	0	1	1	1	2	1	1	1	1
145. Other accidents at childbirth (a) Caesarean section (b) Other surgical operations and instrumental delivery (c) Others under this title	2	1	1	1	1	1	1	1	1	1
146. Puerperal sepsis	10	1	1	1	1	4	1	2	2	1
147. Phlegmasia alba dolens; puerperal embolism or sudden death in puerperium	3	1	1	1	1	1	1	1	1	1
148. Puerperal albuminuria and convulsions	18	1	3	1	6	2	4	2	2	1
149. Following childbirth (not otherwise defined)	7	1	1	1	3	1	2	1	1	1
150. Puerperal diseases of the breast	1	1	1	1	1	1	1	1	1	1
Totals	60	1	6	3	26	6	11	6	2	

MORTALITY (ALL CAUSES)

Total deaths in an estimated population of 6,833,000 for September 1924, numbered 4,887 as against 4,915 in a population of 6,690,000 in September 1923, 5,248 in a population of 6,551,000 in September 1922 and 5,531 in a population of 6,407,000 in September 1921. The equivalent annual date rate for September 1924 was 8.7 per 1,000 population, as compared with 8.9 in September 1923, 9.7 in September 1922 and 10.5 in September 1921.

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

Provinces	Total Deaths				Equivalent annual death rate per 1,000 population			
	1924	1923	1922	1921	1924	1923	1922	1921
P. E. Island	66	60	71	95	9.2	8.3	9.8	13.0
Nova Scotia	488	452	451	509	11.1	10.3	10.4	11.8
New Brunswick	455	367	449	518	13.8	11.3	13.9	16.6
Ontario	2,397	2,388	2,457	2,905	9.5	9.6	10.0	12.0
Manitoba	385	393	489	415	7.1	7.4	9.5	8.3
Saskatchewan	427	516	554	411	6.2	7.7	8.6	6.6
Alberta	321	387	403	384	6.0	7.4	8.0	7.9
British Columbia	348	352	374	294	7.5	7.7	8.4	6.8
Totals	4,887	4,915	5,248	5,531	8.7	8.9	9.7	10.5

Of the total number (4,887) of deaths reported for September 1924 more than 74 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, SEPTEMBER 1924.

Causes of Death	Total	P.E.I.	N.S.	N.B.	Ont.	Man.	Sask.	Alta.	B.C.
10. Diphtheria	40	-	1	-	13	5	10	5	6
11. Influenza	39	-	1	2	17	8	3	4	4
31. Tuberculosis of the lungs	245	5	37	25	88	31	16	17	26
32-37. Tuberculosis, other organs	54	2	6	6	19	5	4	7	5
43-49. Cancer	445	4	40	29	239	39	32	27	35
57. Diabetes mellitus	37	-	6	3	16	4	1	3	4
58. Anaemia chlorosis	61	-	1	6	40	5	3	3	3
74. Cerebral haemorrhage	169	2	23	9	94	15	7	3	16
75-76. Paralysis	54	2	8	6	24	6	1	3	4
80. Convulsions (under 5 years)	14	3	-	1	6	1	3	-	-
87-90. Diseases of the heart	559	8	45	36	323	42	25	34	45
91. Diseases of the arteries	266	6	24	12	174	9	13	10	15
99. Bronchitis	22	2	3	1	8	4	-	1	3
100-101. Pneumonia	191	4	15	12	89	18	24	20	9
113-114. Diarrhoea and Enteritis	445	3	69	91	177	22	46	24	13
117. Appendicitis	74	1	2	7	27	5	12	13	7
128-129. Nephritis	187	4	20	8	110	12	14	7	12
143-150. Maternal Mortality	60	-	6	3	26	6	11	6	2
159. Congenital Malformations	81	-	6	2	44	9	9	8	3
160. Congenital Debility	111	1	17	11	50	6	17	9	1
161A. Premature Birth	193	-	14	13	90	21	27	20	3
161B. Injury at Birth	39	-	1	4	22	3	4	2	3
164. Senility	169	5	35	23	85	6	6	7	4
188A. Railroad Accidents	21	-	-	2	12	1	4	1	1
188B. Street Car "	3	-	-	-	2	1	-	-	-
188C. Automobile "	30	-	-	-	20	3	2	2	3
188-D-E-F. Other Traffic Accidents	20	-	1	3	5	3	5	2	1
All other causes	1,258	14	107	140	579	95	128	83	112
Totals	4,887	66	488	455	2,397	385	427	321	348

TABLE 10.- DEATHS FROM CANCER BY SEX, SEPTEMBER, 1924.

Kinds		Total	P.E.I.	N.S.	N.B.	Ont.	Man.	Sask.	Alta.	B.C.
	Total	445	4	40	29	239	39	32	27	35
	M.	206	2	18	18	102	16	16	18	16
	F.	239	2	22	11	137	23	16	9	19
43. Buccal Cavity	M.	21	1	2	4	13	-	-	1	-
	F.	4	-	-	-	3	1	-	-	-
44. Stomach & Liver	M.	83	-	9	5	37	8	8	8	8
	F.	56	-	7	4	31	5	4	2	3
45. Peritoneum intestines and rectum	M.	31	-	4	2	16	2	2	1	4
	F.	43	1	5	3	24	3	2	2	3
46. Female genital organs	F.	57	-	3	2	25	8	7	3	9
47. Breast	M.	1	-	-	-	1	-	-	-	-
	F.	44	-	3	1	32	4	1	1	2
48. Skin	M.	6	-	-	1	-	2	1	1	1
	F.	2	-	1	-	1	-	-	-	-
49. Unspecified organs	M.	64	1	3	6	35	4	5	7	3
	F.	33	1	3	1	21	2	2	1	2

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

Kinds		Total	P.E.I.	N.S.	N.B.	Ont.	Man.	Sask.	Alta.	B.C.
	Total	299	7	43	31	107	36	20	24	31
	M.	149	4	19	14	51	19	11	12	19
	F.	150	3	24	17	56	17	9	12	12
31. Respiratory System	M.	122	3	16	12	41	16	11	7	16
	F.	123	2	21	13	47	15	5	10	10
32. Meninges and central nervous system	M.	17	-	3	1	5	3	-	4	1
	F.	6	-	1	-	2	-	-	1	2
33. Intestines and peritoneum	M.	4	-	-	1	2	-	-	-	1
	F.	11	1	1	3	3	2	1	-	-
34. Vertebral column	M.	3	-	-	-	2	-	-	1	-
	F.	1	-	1	-	-	-	-	-	-
35. Joints	M.	1	1	-	-	-	-	-	-	-
	F.	-	-	-	-	-	-	-	-	-
36. Other organs	M.	2	-	-	-	1	-	-	-	1
	F.	7	-	-	-	3	-	3	1	-
37. Disseminated	M.	-	-	-	-	1	1	-	-	-
	F.	2	-	-	-	1	-	-	-	-

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

Causes of Death	Total	Toronto	Hamilton	Ottawa	Toronto	Winnipeg	Calgary	Edmonton	Vancouver	Victoria	Halifax	St. John
10. Diphtheria	10	4	-	-	-	-	-	-	4	-	-	-
11. Influenza	11	4	-	-	1	1	2	1	2	1	1	-
31. Tuberculosis of the lungs	42	11	1	2	1	2	8	1	5	4	2	4
32-37. Tuberculosis, other organs	15	4	1	1	-	-	1	2	2	2	-	8
43-49. Cancer	145	50	11	9	7	7	12	3	11	14	7	14
57. Diabetes mellitus	10	3	-	-	-	-	2	1	1	-	1	3
58. Anaemia chlorosis	21	6	-	1	-	2	4	-	1	1	-	4
74. Cerebral haemorrhage	34	10	3	5	2	1	2	1	1	4	2	1
75-76. Paralysis	15	6	2	3	2	1	-	1	1	-	-	1
80. Convulsions (under 5 years)	1	1	-	1	-	-	-	-	-	-	-	-
87-90. Diseases of the heart	170	63	7	18	11	1	20	3	4	5	10	11
91. Diseases of the arteries	83	31	6	14	4	-	5	1	1	3	2	5
99. Bronchitis	2	1	-	-	-	-	-	1	1	1	1	1
100-101. Pneumonia	61	19	2	5	4	1	3	4	5	5	2	4
113-114. Diarrhoea and Enteritis	103	27	5	33	2	7	5	3	1	4	3	15
117. Appendicitis	18	6	1	1	-	-	-	4	1	2	-	-
128-129. Nephritis	45	15	6	8	4	2	2	1	4	3	-	-
143-150. Maternal Mortality	9	2	-	-	-	1	1	1	2	2	-	-
159. Congenital Malformations	25	7	1	3	-	-	6	3	1	2	1	1
160. Congenital Debility	20	3	1	4	1	2	1	1	1	1	3	1
161A. Premature Birth	55	16	2	8	3	5	4	1	1	3	1	1
161B. Injury at Birth	8	2	-	1	1	-	2	-	1	1	-	-
164. Senility	16	9	-	1	3	1	-	1	1	-	-	-
188A. Railroad Accidents	3	-	-	-	1	1	-	-	1	-	-	-
188B. Street Car "	2	1	-	-	-	-	1	-	-	-	-	-
188C. Automobile "	11	5	1	-	-	1	1	-	1	2	-	-
188-D-E-F. Other Traffic Accidents	2	-	-	1	-	-	-	1	-	-	-	-
All other causes	301	94	15	34	9	11	34	9	10	15	34	13
Totals	1,244	400	65	152	55	46	121	31	39	66	105	40
												70

MARRIAGES

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

Provinces	Number				Equivalent Annual rate per 1,000 population			
	1924	1923	1922	1921	1924	1923	1922	1921
P. E. Island	53	53	66	72	7.3	7.3	9.1	9.9
Nova Scotia	337	413	370	432	7.7	9.4	8.5	10.0
New Brunswick	391	417	351	399	11.9	12.2	10.9	12.8
Ontario	2,867	3,181	2,877	2,863	11.4	12.8	11.7	11.9
Manitoba	311	346	380	407	5.7	6.5	7.4	8.1
Saskatchewan	235	256	272	271	3.4	3.8	4.2	4.4
Alberta	266	267	326	309	4.9	5.1	6.5	6.4
British Columbia	372	404	369	343	8.0	8.9	8.3	8.0
Totals	4,832	5,337	5,011	5,096	8.6	9.7	9.3	9.7

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