

population change are not ready at that date, the numbers of births, deaths and immigrants are partly filled in by extrapolation so that a preliminary figure is secured for the June to May interval. To avoid a cumulative error the calculation in effect starts afresh with the latest preceding census for each year's estimates and uses the most up-to-date figures then at hand. To the census figures are added the births of the intervening years and the deaths are subtracted. Immigrants are added and emigrants are subtracted. On the last item of this calculation there is least information—it is possible to ascertain the number of Canadians entering the United States from United States immigration figures, and sometimes the same for the United Kingdom but no data for other countries are available.

The same calculation provides the estimates for the provinces year by year, with the addition that interprovincial migration for each year is now given by the June survey of the Dominion Bureau of Statistics Sampling Unit. This special 2 p.c. sample is used to fill what has hitherto been a serious gap in the annual estimates.

The program of population estimates calls for two figures to be given in respect of each year; one based on preliminary materials, as described above, necessarily involving an extrapolation of birth, death and immigration returns, and the other on final figures subject to no further change which can be made available only when the last item of subsequent information has been secured. This last item is the succeeding decennial census. There is no theoretical gain in making minor adjustments which are within the band of error to which the figures are subject in any case, and such adjustments in practice cause confusion to users. As estimates for successive years are independently calculated back to the latest census the best estimate of the balance of population change is not obtained by subtracting the figure for one year from that for the year following. As there is in fact much interest attaching to the year-to-year balance, Table 5, which gives all available data on that point, is included.

4.—Estimates of Population, by Provinces, Intercensal Years, 1931-48

NOTE.—At every census the previous post-censal data are adjusted to the newly recorded population figures. Figures for 1867-1904 will be found at p. 141 of the 1936 Year Book and for 1905-30 at p. 127 of the 1946 edition. Figures for all provinces for 1931 and 1941 are decennial census figures while those for the Prairie Provinces for 1936 and 1946 are quinquennial census figures.

Year	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon	N. W.T.	Canada
	'000	'000	'000	'000	'000	'000	'000	'000	'000	'000	'000	'000
1931.....	88	513	408	2,874	3,432	700	922	732	694	4	9	10,376
1932.....	89	519	414	2,925	3,473	705	924	740	707	4	10	10,510
1933.....	90	525	419	2,972	3,512	708	926	750	717	4	10	10,633
1934.....	91	531	423	3,016	3,544	709	928	758	727	4	10	10,741
1935.....	92	536	428	3,057	3,575	710	930	765	736	5	11	10,845
1936.....	93	543	433	3,099	3,606	711	931	773	745	5	11	10,950
1937.....	93	549	437	3,141	3,637	715	922	776	759	5	11	11,045
1938.....	94	555	442	3,183	3,672	720	914	781	775	5	11	11,152
1939.....	94	561	447	3,230	3,708	726	906	786	792	5	12	11,267
1940.....	95	569	452	3,278	3,747	728	900	790	805	5	12	11,381
1941.....	95	578	457	3,332	3,788	730	896	796	818	5	12	11,507
1942 ¹	90	591	464	3,390	3,884	724	848	776	870	5	12	11,654
1943 ¹	91	607	463	3,457	3,917	726	842	792	900	5	12	11,812
1944 ¹	91	612	462	3,500	3,965	732	846	818	932	5	12	11,975
1945 ¹	92	621	468	3,561	4,004	736	845	826	949	5	12	12,119
1946 ¹	94	612	480	3,630	4,101	727	833	803	1,003	8	16	12,307
1947 ¹	94	621	491	3,712	4,189	743	842	822	1,044	8	16	12,582
1948 ¹	93	635	503	3,792	4,297	757	854	846	1,082	8	16	12,883

¹ These estimates are subject to adjustment as later data are made available.