

rates of other communities would have been if the age and sex constitution of their population had corresponded to those of the community taken as a standard. The 'standard' population chosen for this purpose in England and Wales and the United States is the "standard million", based on the age and sex distribution per million of the population of England and Wales at the Census of 1901. That age and sex distribution was as follows:—

Age Group.	Both Sexes.	Males.	Females.
All ages.....	1,000,000	483,543	516,457
Under 5 years.....	114,262	57,039	57,223
5-9 years.....	107,209	53,462	53,747
10-14 years.....	102,735	51,370	51,365
15-19 years.....	99,796	49,420	50,376
20-24 years.....	95,946	45,273	50,673
25-34 years.....	161,579	76,425	85,154
35-44 years.....	122,849	59,394	63,455
45-54 years.....	89,222	42,924	46,298
55-64 years.....	59,741	27,913	31,828
65-74 years.....	33,080	14,691	18,389
75 years or over.....	13,581	5,632	7,949

Regarding the standard million of England and Wales the Registrar General says: "As the population of this country in 1901 included relatively few infants and old people it forms a standard exceptionally favourable to low mortality"

The process above described has been applied to the population of the eight provinces, the former registration area of Canada, for the years 1921-38 and to the population of Quebec for the years 1926-38 in Table 18. Of the rates there given, those for 1921 and 1922 have been calculated directly, the proportion of the population in each sex and age group according to the Census of 1921 being assumed to hold true for 1922 also; similarly the rates for 1930, 1931, 1932, etc., have been calculated directly from the proportions shown in each sex and age group at the Census of 1931. For the intervening years, 1923-29, for which estimates of total population but not of population by age groups were available, the following method was adopted. The proportions which the standardized rates of 1921 and 1922 (correct to three decimal places) bore to the crude were averaged, similarly those of 1930 and 1931, and the change was assumed to have taken place in an arithmetical progression during the intervening seven years. Quebec not having been in the registration area in the year 1921, a standardized rate was not available for that year or for 1922, but as the proportion of the standardized rate to the crude depends primarily on the sex and age distribution of the population, and as this distribution was known for 1921 and 1931, and the actual proportion of standardized rate to crude rate for 1931, it was possible to compute a theoretical proportion for 1921. The same method was followed for the total of the nine provinces. The rates for 1933-38 have been computed on the assumption that the arithmetical progression, to which reference has been made, continued over those years in all provinces with the exception of the Prairie Provinces, for which the data of the 1936 Census were used.

In all of the eight provinces for which 1921 figures are given the proportion of the standardized rate to the crude was higher in 1921 than in 1931; in other words, the age distribution had become more unfavourable in the later year. In the Maritime Provinces, Quebec, Ontario, Manitoba, and British Columbia the process of 'standardizing' the death rate results in a reduced rate. This is particularly true of Prince Edward Island and Nova Scotia. In Saskatchewan and Alberta, on the other hand, the standardized rates are generally higher than the crude.

The crude and standardized rates given for recent years, especially 1936, 1937, and 1938, in Table 18, should be accepted with some qualification as will be seen from the method used in their calculation explained above.