

84-503

c-8

1955



**LEADING CAUSES OF DEATH
BY
MAJOR AGE GROUPINGS**

**Reference Paper
No. 81**

Published by Authority of
The Right Honourable C. D. Howe, Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS
Health and Welfare Division
Vital Statistics Section

9004-525-125

Price 25 cents

EDMOND CLOUTIER, C.M.G., O.A., D.S.P., Queen's Printer and Controller of Stationery, Ottawa, 1957.

APLO
298 3915

PREFACE

The official vital statistics of Canada are published annually in a comprehensive report which sets out in some detail current and historical data on births, marriages, deaths and natural increase. However the form of presentation dictated by the reference nature of the annual report often precludes the proper portrayal of separate important aspects of mortality or fertility. The Dominion Bureau of Statistics accordingly includes as part of its programme of statistical services the publication of a series of supplementary analytical reports, such as the present, designed to provide a more penetrating view of selected aspects of vital statistics data.

The present report focusses separate attention on the mortality hazards which apply with strongest force to each of the three major stages of the life span — youth, middle age and old age. The importance of congenital conditions in infancy, of violence in youth and of circulatory disorders among older persons are masked in some degree by being expressed in relation to the population as a whole. When assessment is made of the implications of leading causes of mortality to particular age groups, their significance is exposed in truer dimensions.

The report was prepared in the Vital Statistics Section of the Health and Welfare Division.

WALTER E. DUFFETT

Dominion Statistician

NOTE

Data for Newfoundland are excluded from all historical tables for years prior to 1949 and those for Quebec from 1921-25 (inclusive).

TABLE OF CONTENTS

PART I. MORTALITY COMPARISONS BY AGE GROUPS

	Page
Introduction	7
Population by Age Groups	7
Classification of Leading Causes of Death	9
Mortality Differentials by Age Groups, 1955.....	9
Mortality Reduction by Age Groups	12
Leading Causes of Death by Age Groups	14

PART II. THE 0-14 AGE GROUP

Population, 1955.....	18
Mortality, 1955.....	18
Leading Causes of Death, 1955	20

PART III. THE 15-64 AGE GROUP

Population, 1955	21
Mortality, 1955.....	21
Leading Causes of Death, 1955	23

PART IV. THE 65 AND OVER AGE GROUP

Population, 1955	25
Mortality, 1955.....	25
Leading Causes of Death, 1955	27

PART V. APPENDIX

Population in Broad Age Groups and Five-Year Sub-Groups, 1921-55	28
Deaths in Broad Age Groups and Five-Year Sub-Groups, 1921-55	30
Death Rates in Broad Age Groups and Five-Year Sub-Groups, 1921-55	31

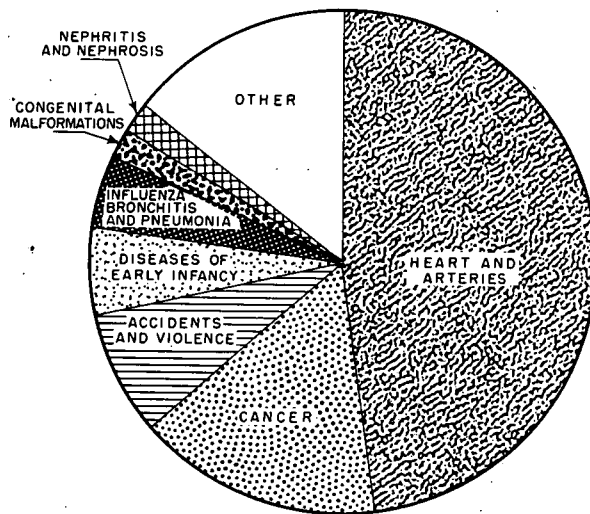
CHART-1

LEADING CAUSES OF DEATH

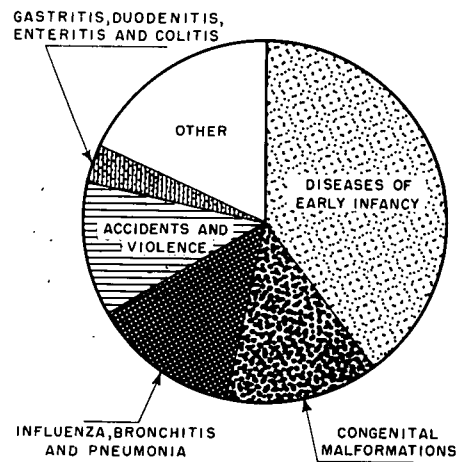
1955

ALL AGES

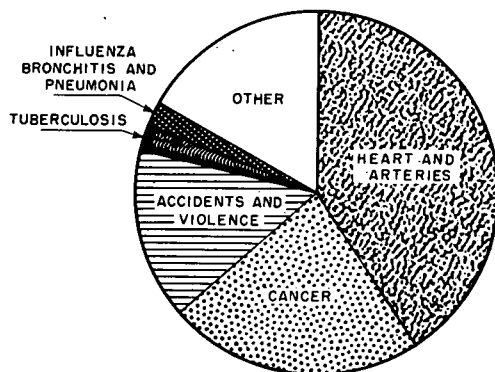
AGE GROUPS



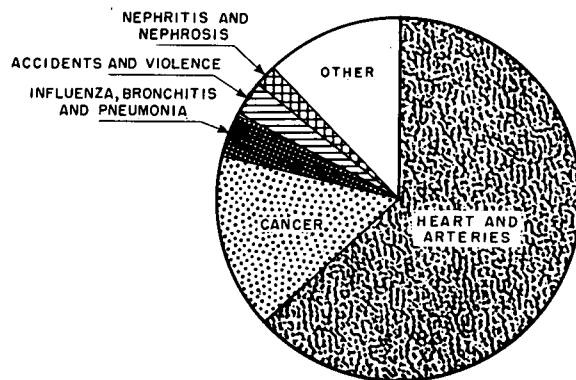
0-14



15-64



65 AND OVER



PART I. MORTALITY COMPARISONS BY AGE GROUPS

1. Introduction

The scientific attack upon the hazards of life must utilize many avenues of approach. One of the most fruitful is the consideration of mortality in the separate stages of man's life span. It is obvious that the health problems of the infant (under one year of age) are unique and their magnitude is indicated in the death rate of 32.1 compared with 8.2 for the population as a whole in 1955. In the age groups covering the school and pre-school child, accidents emerge as the greatest threat to life. And while accidents remain important during the later stages of life, heart disease and cancer are seen to loom ever larger on the horizon. The remarkable achievements of medical science in reducing the toll of infectious and contagious disease has brought into new prominence the mortality risks associated with birth, the impact of accidents and the chronic conditions of middle and later life.

2. Population by age groups

In this report the absolute size differences of the three broad age groups must be kept in mind as

well as the implications of their different growth rates for the future. The age group 65 and over comprised 1,203,400 persons or less than 8 per cent of the population in 1955; the age group 0-14 involved 5,013,100 or 32.2 per cent and the age group 15-64 accounted for 9,356,500 persons or 60.1 per cent.

While each of the groups has shown a large growth in absolute numbers over the past thirty years, the proportions of each group to the total population has undergone marked variation. In particular, the 15-64 age group, which may be termed "the working population" has been declining since 1941 in relation to the rest of the population. At the same time the proportion of population 65 years of age and over increased from 6.7 per cent in 1941 to 7.7 per cent in 1955; and in the same period the age group 0-14 increased from 27.8 per cent to 32.2.

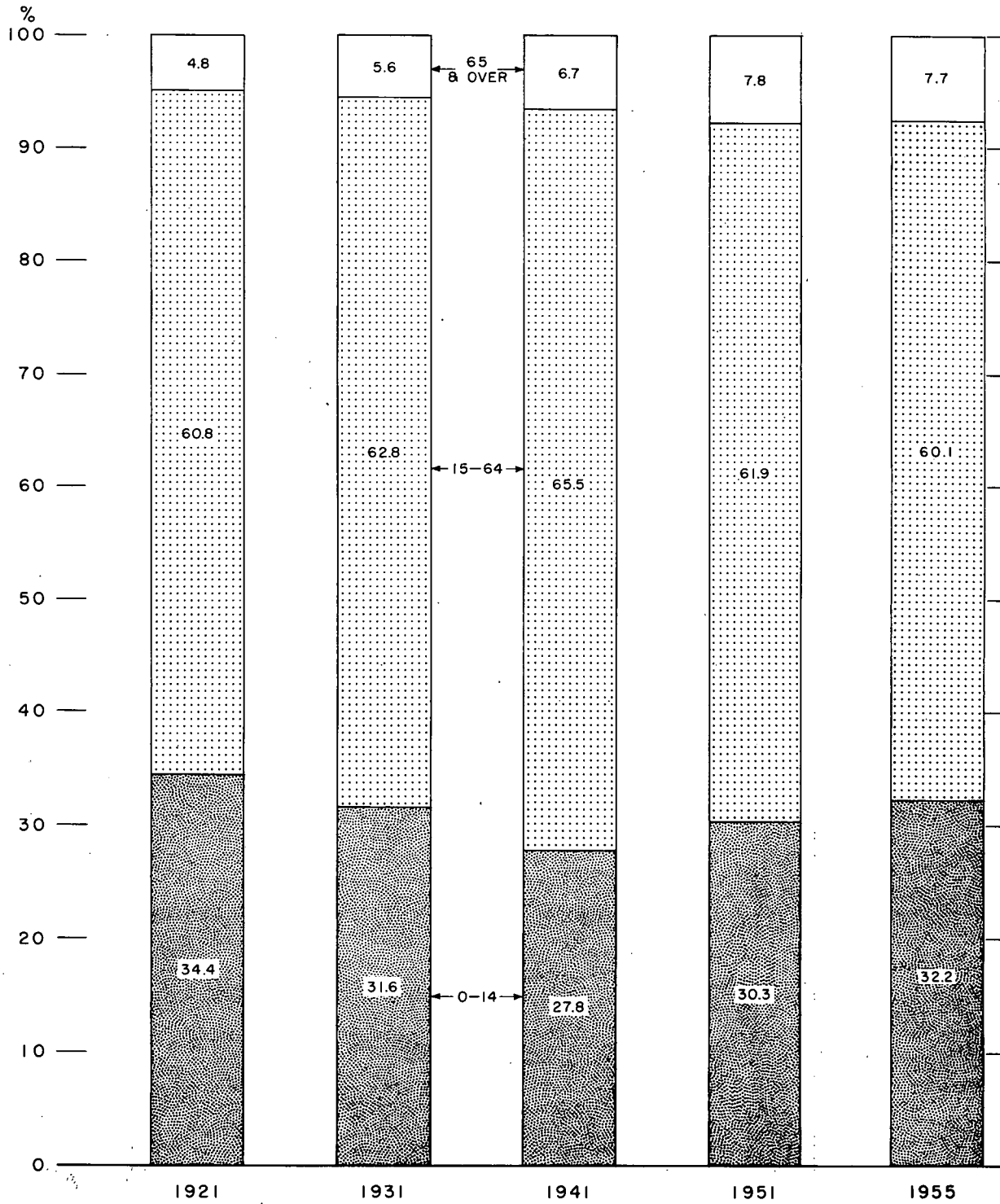
In order to provide the background for assessing mortality risks at various ages Table 1 and Chart 2 summarize the numbers and proportions in broad age groups since 1921.

TABLE 1. Changing Age Composition of the Population, 1921-55

	Totals (thousands)											
	Total Population	0-14	15-64	65+	Total Male Population	0-14	15-64	65+	Total Female Population	0-14	15-64	65+
1921.....	8,775.6	3,019.4	5,336.5	419.7	4,522.6	1,523.5	2,784.3	214.8	4,253.0	1,495.9	2,552.2	204.9
1931.....	10,363.2	3,277.1	6,510.5	575.6	5,366.7	1,656.6	3,415.9	294.2	4,996.5	1,620.5	3,094.6	281.4
1941.....	11,489.7	3,192.9	7,529.9	766.9	5,890.7	1,616.4	3,884.1	390.2	5,599.0	1,576.5	3,645.8	376.7
1951.....	13,984.4	4,242.2	8,656.8	1,085.4	7,074.4	2,163.7	4,360.0	550.7	6,910.0	2,078.5	4,296.8	534.7
1955.....	15,573.0	5,013.1	9,356.5	1,203.4	7,883.3	2,560.5	4,720.0	602.8	7,689.7	2,452.6	4,636.5	600.6
	Percentage Distribution											
	Total Population	0-14	15-64	65+	Total Male Population	0-14	15-64	65+	Total Female Population	0-14	15-64	65+
1921.....	100.0	34.4	60.8	4.8	100.0	33.7	61.6	4.7	100.0	35.2	60.0	4.8
1931.....	100.0	31.6	62.8	5.6	100.0	30.9	63.6	5.5	100.0	32.4	61.9	5.6
1941.....	100.0	27.8	65.5	6.7	100.0	27.4	65.9	6.6	100.0	28.2	65.1	6.7
1951.....	100.0	30.3	61.9	7.8	100.0	30.6	61.6	7.8	100.0	30.1	62.2	7.7
1955.....	100.0	32.2	60.1	7.7	100.0	32.5	59.9	7.6	100.0	31.9	60.3	7.8
Proportionate change: 1941-1955 ..		+15.8	- 8.2	+14.9		+18.6	- 9.1	+15.2		+13.1	- 7.4	+16.4

CHART-2

PROPORTION OF POPULATION IN THREE BROAD AGE GROUPS



3. Classification of leading causes of death

The present report aims at presenting the overriding threat of certain leading causes in the mortality picture of particular age groups. Of course any compilation of 'leading causes' will have certain arbitrary aspects of selection because no universal medical agreement on a particular classification of leading causes exists. Moreover such a grouping may change from time to time, in keeping with medical thinking — for example, it is not so long ago that Hodgkins Disease and the leukaemias were not included in the broad group of malignant

neoplasms (cancer). Despite these qualifications the concept of leading cause has been found to be a very useful statistical tool in measuring the impact of particular causes of death on selected age and sex components of the population.

In order that the reader may know precisely what is meant by the mortality classification used in this report the following key links the leading causes of mortality with the Intermediate List numbers of the International Statistical Classification of Diseases, Injuries and Causes of Death (Sixth Revision, 1948).

Leading causes of death	Intermediate list numbers
Heart and arteries (Cardiovascular disease)	70,80-86
Cancer (Malignant neoplasms)	44-59
Accidents and violence	138-150
Diseases of early infancy	130-135
Influenza, bronchitis and pneumonia	88-93
Congenital malformations	127-129
Nephritis and nephrosis	108-109
Diabetes mellitus	63
Tuberculosis	1-5
Gastritis, duodenitis, enteritis and colitis	101,104
Hyperplasia of prostate	112
Maternal causes	115-120
Epilepsy	73
Rheumatic fever	79

4. Mortality differentials by age groups, 1955

Before proceeding to a review of leading causes this Section summarizes the current and historical trends in age-sex mortality rates.

It will be observed in Table 2 that when Canada's death rate of 8.2 per 1,000 population is subdivided into the three main age groups, significant variations occur. This rate becomes 3.6 for the 0-14 age group, 4.0 for the age group 15-64 and 60.5 for the group of the population 65 years and

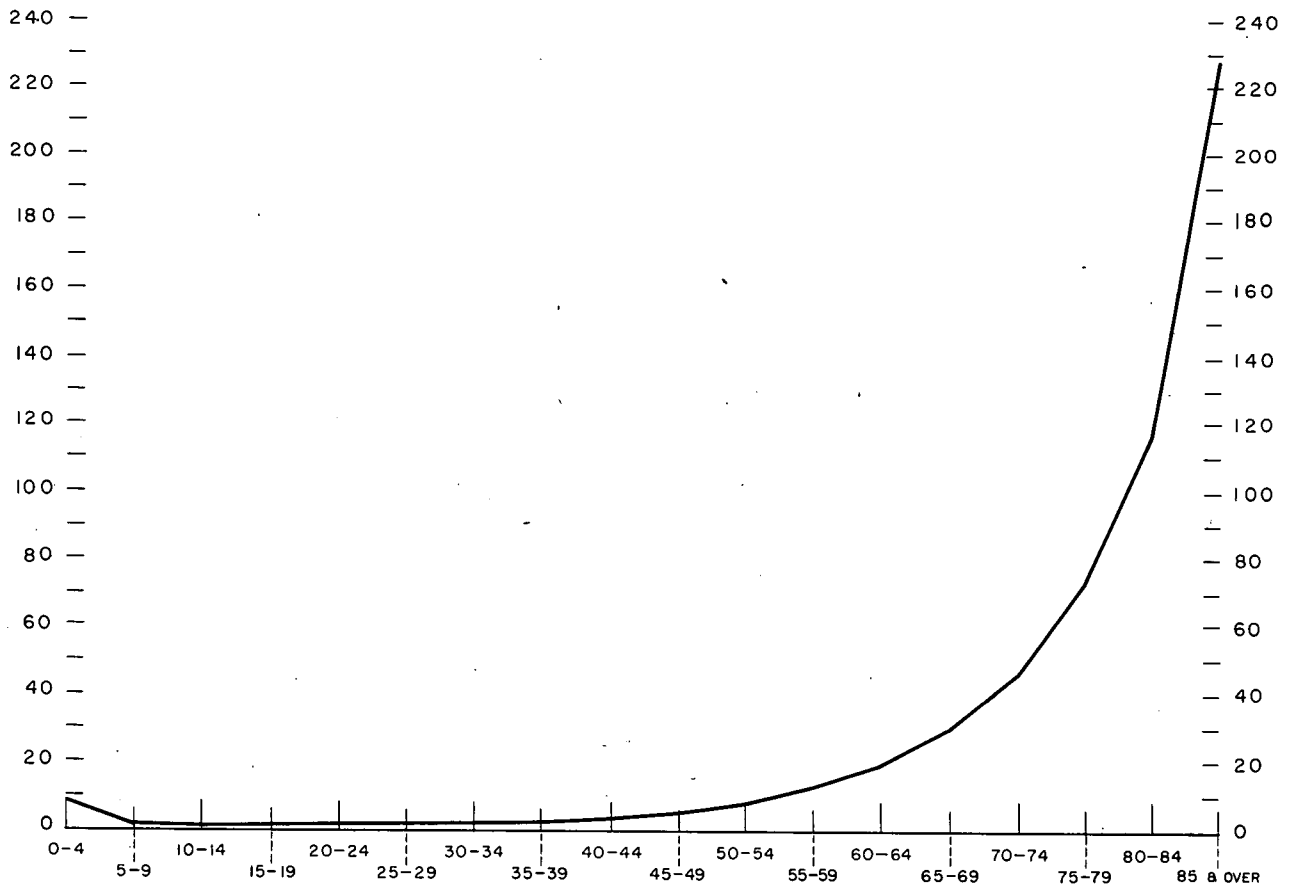
over. In each case there are wide differences in male and female rates, particularly striking in the 15-64 age group where the male rate is 5.1 compared with 2.9 for females. This table also illustrates other significant facts — for example, that males and females over 65 which together make up less than 8 p.c. of the population account for 54 p.c. of all male deaths and over 60 p.c. of all female mortality; on the other hand males and females aged 15-64, accounting for 60 p.c. of the total population are responsible for only a quarter of all female mortality and approximately a third of all male deaths.

TABLE 2. Population and Mortality by Broad Age Groups, 1955

Age groups	Population (thousands)	Deaths	Death rates (per thousand population)	Proportions	
				Population %	Deaths %
Total male and female	15,573.0	128,154	8.2	100.0	100.0
0-14	5,013.1	17,866	3.6	32.2	14.0
15-64	9,356.5	37,504	4.0	60.1	29.4
65 and over	1,203.4	72,784	60.5	7.7	56.6
Total male	7,883.3	74,701	9.5	100.0	100.0
0-14	2,560.5	10,322	4.0	32.5	13.8
15-64	4,720.0	23,866	5.1	59.9	32.1
65 and over	602.8	40,513	67.2	7.6	54.1
Total female	7,689.7	53,453	7.0	100.0	100.0
0-14	2,452.6	7,544	3.1	31.9	14.1
15-64	4,636.5	13,638	2.9	60.3	25.5
65 and over	600.6	32,271	53.7	7.8	60.4

CHART-3

AGE SPECIFIC DEATH RATES, 1955 (RATE PER 1,000 POPULATION)



The 0-14 age group death rate of 3.6 per thousand population in 1955 was made up of a male rate of 4.0 and a female rate of 3.1. However as will be observed from Table 3 there were wide variations even within this group. In the first five years of life the death rate stood at 8.1 per 1,000 population; because of the high incidence of infant mortality this rate was almost as high as the general mortality rate for the entire population. After about the first month of life mortality rates then declined rapidly with age reaching a low of about 0.6 per 1,000 population at about age 14 or less than one thirteenth of the rate for the 0-5 group.

The death rate for the 15-64 age group as a whole was 4.0 per thousand population in 1955, less than half the general death rate. From about

age 14 mortality rates then rose gradually but remained below 2 until the age of 40, rose rapidly to 7.7 for the 50-54 year olds, 12.1 for those 55-59 and 19.0 for those 60-64.

The age group of 65 and over recorded a death rate of 60.5 per thousand population in 1955 made up of a male rate of 67.2 and female rate of 53.7. There was a progressively rapid increase with age from 30 for ages 65-69 until, for those over 85, on the average almost one out of every four persons could expect to die each year.

Table 3 and Chart 4 illustrate the striking differences between male and female death rates at every age.

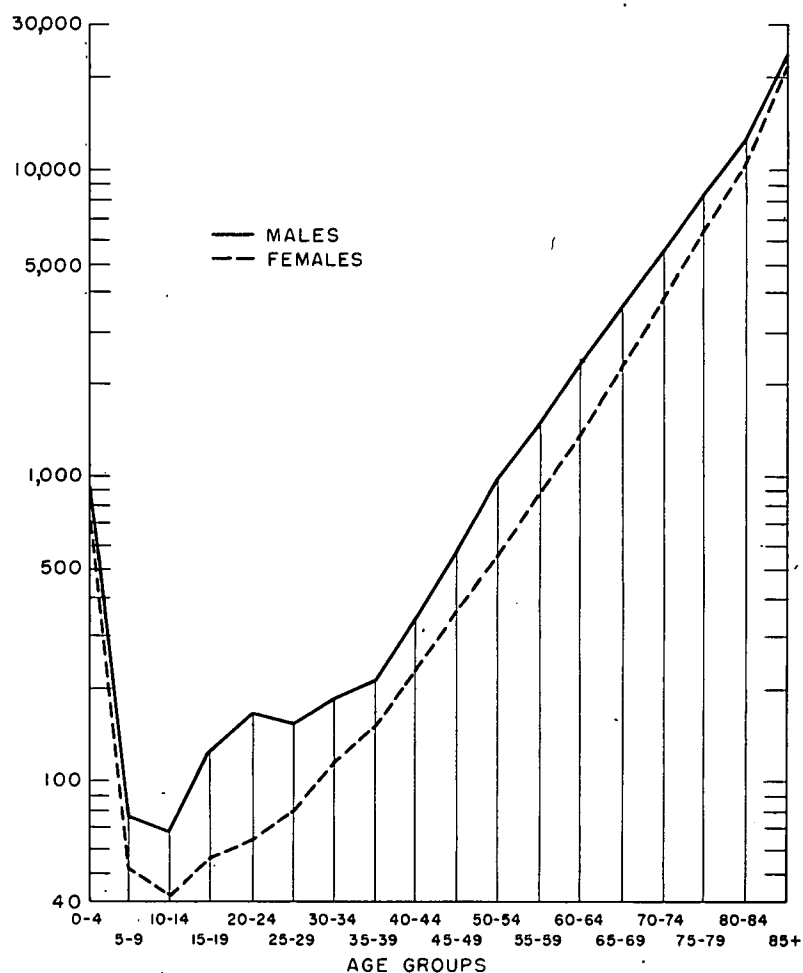
TABLE 3. Mortality by Five Year Age Groups and Sex, 1955

Age Groups	Total			Males			Females		
	No.	Rate*	%	No.	Rate*	%	No.	Rate*	%
Total	128,154	8.2	100.0	74,701	9.5	100.0	53,453	7.0	100.0
0-4	16,020	8.1	12.5	9,191	9.1	12.3	6,829	7.1	12.8
5-9	1,090	0.6	0.9	658	0.8	0.9	432	0.5	0.8
10-14	756	0.6	0.6	473	0.7	0.6	283	0.4	0.5
15-19	1,029	0.9	0.8	720	1.3	1.0	309	0.6	0.6
20-24	1,297	1.2	1.0	946	1.7	1.3	351	0.6	0.7
25-29	1,423	1.2	1.1	941	1.6	1.3	482	0.8	0.9
30-34	1,734	1.5	1.4	1,054	1.9	1.4	680	1.2	1.3
35-39	2,012	1.9	1.6	1,177	2.2	1.6	835	1.5	1.6
40-44	2,917	3.0	2.3	1,771	3.5	2.4	1,146	2.4	2.1
45-49	4,027	4.8	3.1	2,506	5.7	3.4	1,521	3.7	2.8
50-54	5,589	7.7	4.4	3,654	9.8	4.9	1,935	5.5	3.6
55-59	7,503	12.1	5.9	4,769	15.2	6.4	2,734	8.9	5.1
60-64	9,973	19.0	7.8	6,328	23.8	8.5	3,645	14.0	6.8
65-69	13,473	29.9	10.5	8,455	36.6	11.3	5,018	22.9	9.4
70-74	16,338	46.0	12.7	9,729	54.0	13.0	6,609	37.8	12.4
75-79	16,582	73.2	12.9	9,337	83.3	12.5	7,245	63.3	13.6
80-84	13,451	117.3	10.5	7,088	129.9	9.5	6,363	105.9	11.9
85 and over	12,940	228.2	10.1	5,904	240.2	7.9	7,036	219.0	13.2

* Per 1,000 population

CHART-4

ANNUAL RATE OF MORTALITY PER 100,000 POPULATION
BY SEX, 1955



5. Mortality reduction by age groups

Canada's overall death rate has decreased from 11.4 per thousand population in 1926 to 8.2 in 1954 and 1955. Such a figure masks the striking dynamic movements found in particular age groups. For example, mortality in the age group under 5 years decreased from a rate of 28.6 in 1926 to 8.1 in 1955, a rate that was lower for the first time than the general mortality rate. When age groups are further subdivided by sex it will be noted that the mortality rates among females have declined faster than those for males. In the age group 45-49 male mortality rates have dropped from 7.4 per thousand population in 1926 to 5.7 in 1955 while female rates have declined from 7.5 to 3.7. The general trend of mortality by age groups is indicated in Chart 5 and Tables 4, 6 and 16.

A significant aspect of mortality concerns the average age at death. The average age of males at death has increased from 39 years in 1921 to 58 years in 1955 while that for females has increased from 41.1 years to 60.6 years. These trends are illustrated in Table 5.

In 1926, over 19 per cent of all male deaths were of persons 5 to 45 years of age; in 1955 these accounted for less than 11 per cent of total deaths. The reduction in mortality among females in this age group is even more remarkable, the proportion dropping from 22 per cent to approximately 9 per cent. Death rates for males up to age 45 have been roughly halved during the past 25 years; those for females in the same ages have been reduced as much as three to four times.

CHART - 5

INDEX OF AGE-SPECIFIC MORTALITY RATES CANADA 1926-30, 1936-40, 1946-50 AND 1955

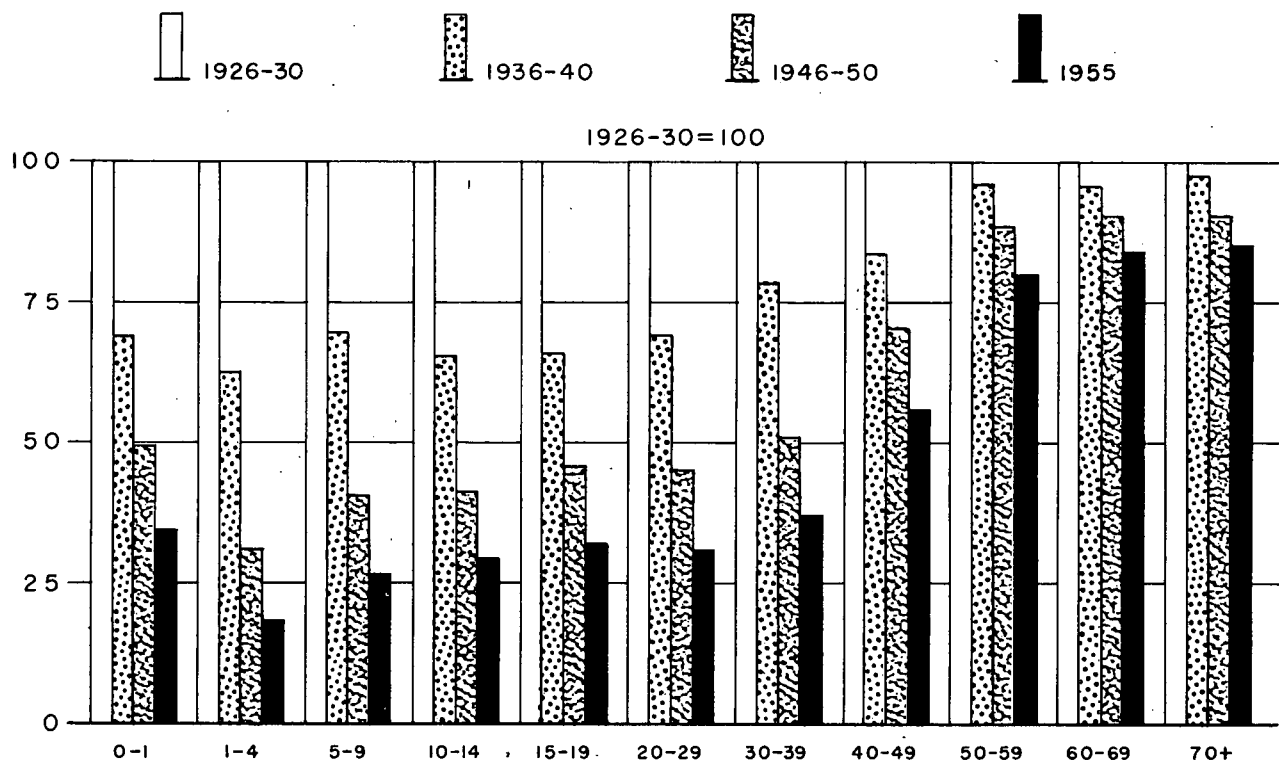


TABLE 4. Trends in Age-specific Death Rates (Per 1,000 population)

Age	Average 1926-30	Average 1936-40	Average 1946-50	Year 1955	% decline since 1926-30
All ages	11.1	9.8	9.3	8.2	26.1
0- 1	93.3	64.5	46.0	32.1	65.6
1- 4	7.8	4.9	2.4	1.5	81.4
5- 9	2.4	1.7	1.0	0.6	73.3
10-14	1.9	1.3	0.8	0.6	71.0
15-19	2.8	1.9	1.3	0.9	68.0
20-29	3.8	2.6	1.7	1.2	68.7
30-39	4.5	3.5	2.3	1.7	62.7
40-49	6.8	5.7	4.8	3.8	43.9
50-59	12.2	11.7	10.8	9.7	20.0
60-69	28.5	27.3	25.8	24.0	15.7
70 +	91.8	89.6	83.0	78.7	14.3

TABLE 5. Average Ages of Decedents by Sex, Canada, 1921-55

	Total	Male	Female
1921	39.9	39.0	41.1
2	41.6	40.8	42.6
3	42.9	42.0	44.0
4	43.6	43.1	44.2
1925	44.6	43.8	45.5
6	40.9	40.0	41.9
7	41.2	40.5	41.9
8	42.9	42.2	43.7
9	42.8	42.1	43.6
1930	42.8	42.2	43.5
1	43.9	43.1	44.8
2	47.0	46.2	47.9
3	48.0	47.1	48.9
4	48.2	47.6	49.0
1935	48.8	48.0	49.6
6	50.0	49.5	50.5
7	48.9	48.2	49.6
8	50.7	50.1	51.5
9	52.3	51.5	53.2
1940	53.0	52.3	53.8
1	52.4	51.5	53.4
2	52.7	52.0	53.6
3	53.6	52.8	54.6
4	53.3	52.6	54.3
5	54.0	53.5	54.9
1946	54.0	53.2	54.9
7	54.3	53.4	55.5
8	55.5	54.6	56.8
9	55.8	54.9	57.0
1950	56.7	55.7	58.1
1	57.4	56.4	58.8
2	56.8	55.8	58.2
3	57.7	56.5	59.4
4	58.5	57.3	60.0
5	59.1	58.0	60.6

In Table 6 will be found the comparative trend of mortality reduction for three broad age groups. For example the rate for the age group of 65 years and over has only declined from 64.2 per thousand

population in 1931 to 60.5 in 1955 and the rate in the 15-64 group from 5.8 to 4.0 while there has been a reduction in the 0-14 age group from 9.0 to 3.6 per thousand population.

TABLE 6. Age and Sex Specific Death Rates 1931-1955 (per 1,000 Population)

	All Ages			0-14			15-64			65 & over		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1931	10.1	10.5	9.6	9.0	10.0	8.0	5.8	6.1	5.6	64.2	65.5	62.8
2	9.9	10.3	9.5	7.7	8.6	6.9	5.8	5.9	5.6	69.0	70.4	67.6
3	9.6	10.0	9.2	7.2	8.0	6.3	5.6	5.7	5.4	67.2	68.5	65.9
4	9.5	10.0	8.9	7.1	8.0	6.2	5.5	5.7	5.2	64.9	67.0	62.8
5	9.7	10.2	9.2	7.2	8.1	6.4	5.6	5.9	5.3	66.5	68.3	64.8
6	9.8	10.2	9.3	6.8	7.5	6.1	5.7	6.0	5.4	67.4	69.4	65.3
7	10.3	10.9	9.7	8.0	8.9	7.1	5.8	6.2	5.3	68.0	70.3	65.6
8	9.6	10.3	8.9	6.8	7.5	6.0	5.4	5.9	4.9	65.5	68.3	62.5
9	9.7	10.4	9.0	6.4	7.2	5.6	5.4	5.9	4.8	68.2	70.9	65.3
1940	9.8	10.5	9.0	6.2	7.0	5.5	5.4	6.0	4.7	68.6	71.8	65.4
1	10.0	10.8	9.1	6.8	7.6	5.8	5.4	6.1	4.7	68.0	71.4	64.5
2	9.7	10.6	8.8	6.4	7.2	5.6	5.3	6.0	4.6	65.6	69.2	61.9
3	10.1	10.9	9.2	6.5	7.3	5.7	5.4	6.0	4.7	69.2	72.6	65.6
4	9.7	10.5	8.9	6.5	7.3	5.7	5.1	5.7	4.5	65.7	68.9	62.4
5	9.4	10.3	8.5	5.9	6.6	5.2	5.0	5.6	4.3	63.9	67.7	59.9
6	9.4	10.3	8.4	6.0	6.8	5.3	4.9	5.6	4.2	63.1	66.5	59.5
7	9.4	10.4	8.3	5.9	6.7	5.1	4.9	5.7	4.0	62.7	66.3	58.9
8	9.3	10.4	8.3	5.4	6.1	4.7	4.8	5.7	3.9	62.8	66.3	59.2
9	9.2	10.3	8.1	5.2	5.9	4.6	4.7	5.6	3.8	62.7	66.6	58.6
1950	9.0	10.1	7.9	4.9	5.5	4.2	4.5	5.4	3.6	62.3	66.3	58.1
1	9.0	10.1	7.8	4.5	5.0	3.9	4.5	5.5	3.5	62.1	66.4	57.8
2	8.7	10.0	7.5	4.5	5.1	3.9	4.4	5.5	3.4	59.6	64.7	54.4
3	8.6	9.8	7.4	4.2	4.7	3.6	4.3	5.4	3.3	60.3	65.2	55.3
4	8.2	9.4	7.0	3.7	4.2	3.2	4.1	5.1	3.1	58.6	64.2	52.9
5	8.2	9.5	7.0	3.6	4.0	3.1	4.0	5.1	2.9	60.5	67.2	53.7

6. Leading causes of death by age groups

In the present section, preparatory to the more detailed consideration of the leading causes within the three broad age groups, some comparisons of leading causes are made for five selected age groups, merely to illustrate graphically, the wide variations in causes in certain critical age groups, particularly those under 45.*

Chart 6 clearly reveals that there is little similarity in the pattern of mortality for the specified age groups. While diseases of the heart and arteries rank as the leading cause of death for the population as a whole, it will be noted in Table 7 that this group is not one of the leading causes for ages between 0-4, it is only the fifth leading

cause for the age group 5-19 and the second leading cause for the age group 20-44. Similarly, while cancer ranks as the second greatest killer it is not one of the leading causes of death in the age group 0-4, in the age group 5-19 it runs a very poor second to accidents but becomes very significant in the age groups over 20. Accidents and violence, while only the third leading cause of death for the population as a whole, rank first for the age groups 5-19 and 20-44. Diseases of early infancy and congenital malformations must be given special consideration at one end of the life cycle while influenza, bronchitis and pneumonia are particularly important at the two extremes of life.

Table 7 summarizes the rank and rates for these leading causes in selected age-groups. In Chart 7 the leading causes of death in three broad age groups are compared in terms of their rank, rate and proportionate significance of all deaths within the age grouping.

*Proportions and rates by 5-year groups are given in Parts II., III., and IV.

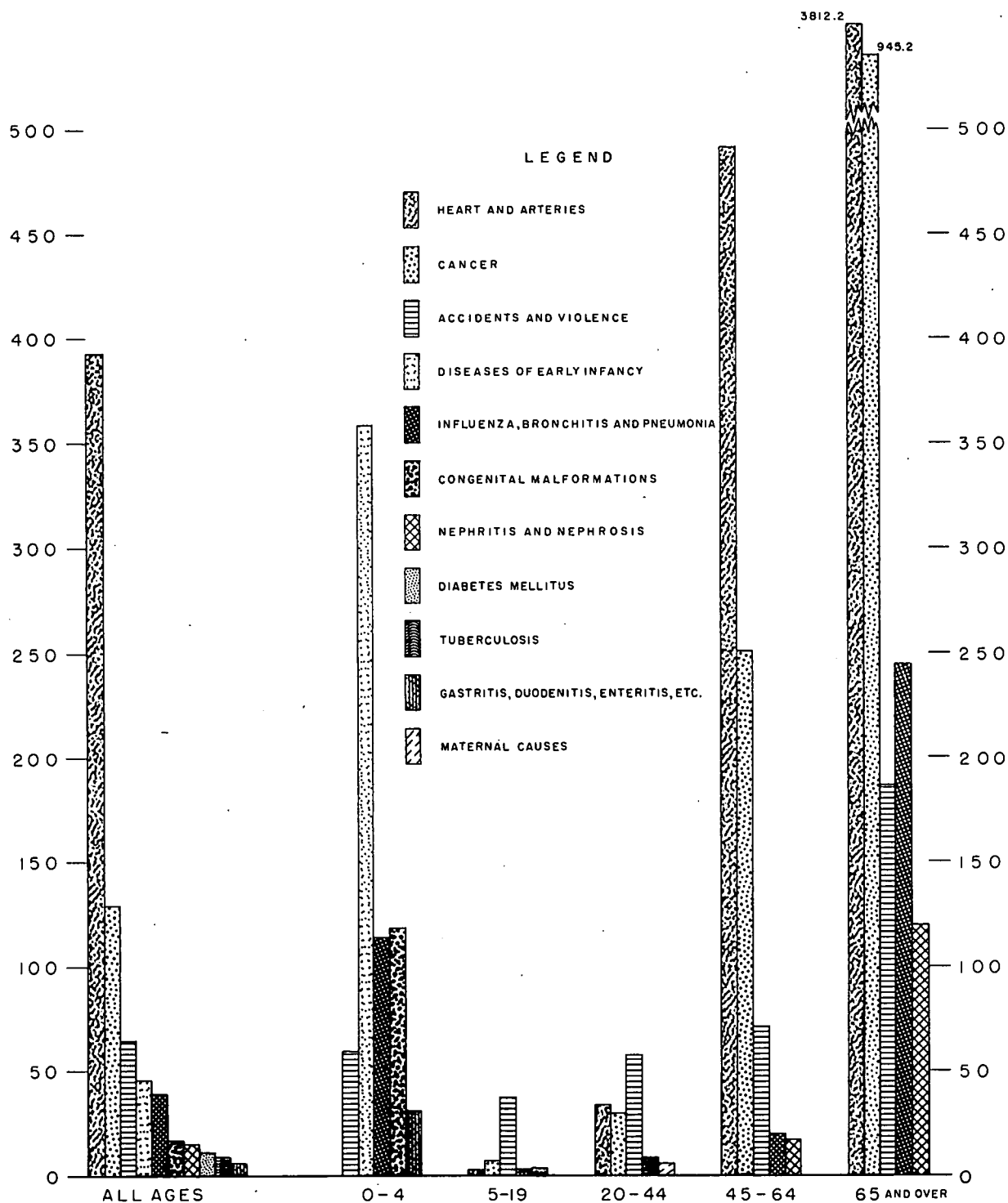


TABLE 7. The Ranking of Leading Causes of Death in Particular Age Groups, 1955
(Rank and rate per 100,000 population)

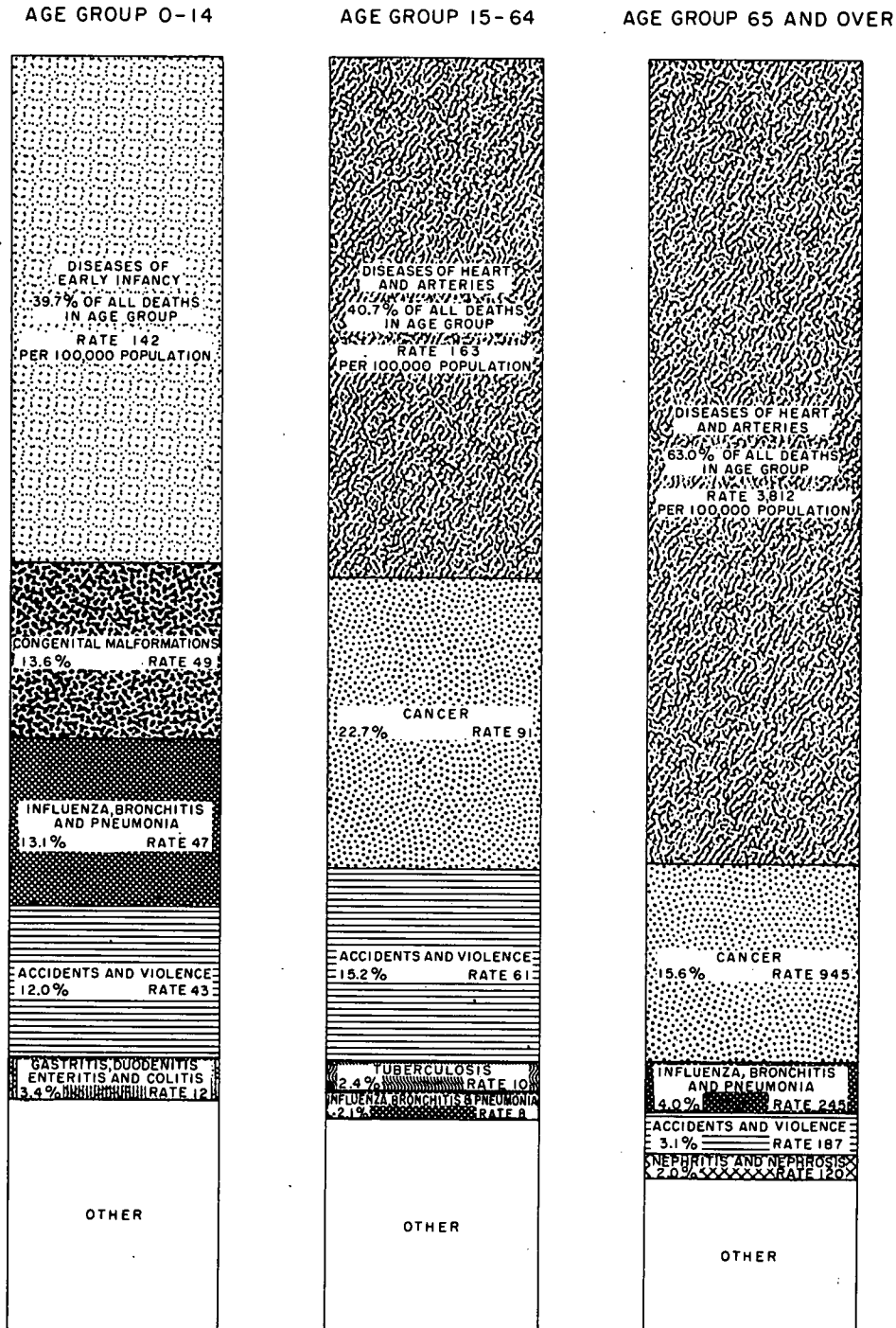
	All ages		0-4		5-19		20-44		45-64		65+	
	Rank	Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank	Rate
Heart and arteries.....	I	393.2	*		V	2.6	II	33.4	I	491.5	I	3,812.2
Cancer	II	130.3	*		II	6.7	III	29.7	II	250.4	II	945.2
Accidents & violence	III	64.7	IV	59.6	I	37.1	I	57.6	III	71.0	IV	186.6
Diseases of early infancy.....	IV	45.6	I	358.6	*		*		*		*	
Influenza, bronchitis & pneumonia	V	38.9	III	114.0	IV	2.7	*		IV	19.7	III	244.5
Congenital malformations.....	VI	16.8	II	118.6	III	2.8	*		*		*	
Nephritis & nephrosis	VII	14.6	*		*		*		V	16.8	V	120.0
Tuberculosis	IX**	8.9	*		*		IV	8.2	*		*	
Gastritis, duodenitis, enteritis, etc.	*		V	30.5	*		*		*		*	
Maternal causes	*		*		*		V	5.7	*		*	

* Not a leading cause

** Diabetes mellitus ranks eighth for all ages

CHART-7

LEADING CAUSES OF DEATH IN THE MAJOR AGE GROUPS



PART II. THE 0-14 AGE GROUP

The 0-14 age group comprised a population of 5,013,100 or 32.2 per cent of the total population in 1955. This group is growing faster than the population as a whole, accounting in 1951 for 30.3 per cent of the population as compared with only 27.8 per cent in 1941.

For this group as a whole the death rate has declined from 9.0 per thousand population in 1931 to 3.6 per thousand in 1955. The male rate has declined from 10.0 to 4.0 while the rate for females has dropped from 8.0 to 3.1. Within the broad age

grouping changes in three sub-groups have been particularly significant: the infant death rate has moved downward from 100.4 in 1931 to 32.1 in 1955; in the age group 1-4 years there has been a reduction from 6.2 to 1.5; finally in the age group 5-14 the reduction has been from 1.7 in 1931 to 0.6 in 1955.

In Table 9 will be found a self-explanatory summarization of the leading causes of death in each age group by sex.

TABLE 8. Population and Mortality in Age Group 0-14, 1955

Age sub-groups	Population (thousands)	Deaths	Death rates (per thousand population)	Proportions	
				Population %	Deaths %
0-14 Total	5,013.1	17,866	3.6	100.0	100.0
0- 1	428.4	13,767	32.1	8.5	77.1
1- 4	1,550.8	2,253	1.5	30.9	12.6
5-14	3,033.9	1,846	0.6	60.5	10.3
0-14 Male	2,560.5	10,322	4.0	100.0	100.0
0- 1	218.9	7,905	36.1	8.5	76.6
1- 4	792.4	1,286	1.6	30.9	12.5
5-14	1,549.2	1,131	0.7	60.5	11.0
0-14 Female	2,452.6	7,544	3.1	100.0	100.0
0- 1	209.5	5,862	28.0	8.5	77.7
1- 4	758.4	967	1.3	30.9	12.8
5-14	1,484.7	715	0.5	60.5	9.5

CHART-8

CAUSES OF DEATH , 1955

AGE GROUP 0-14

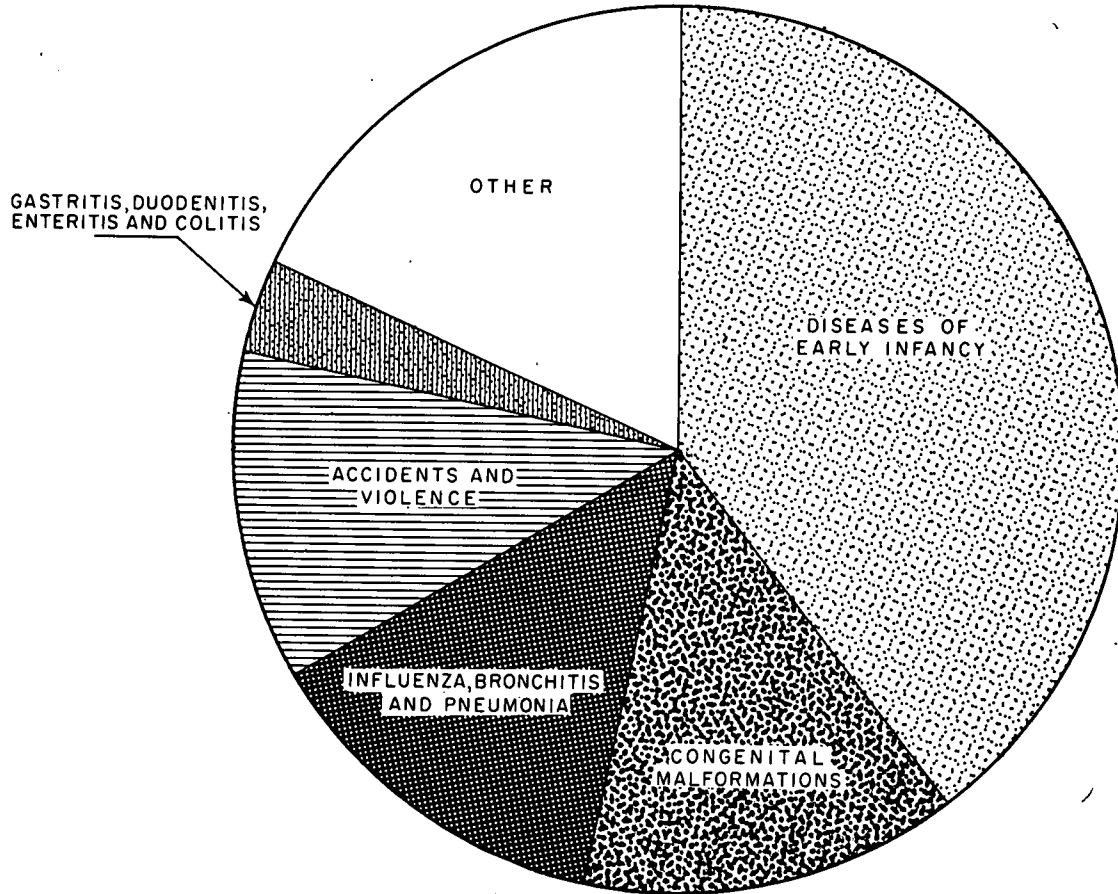


TABLE 9. Leading Causes of Death in the Age Group 0-14, 1955
(Figures show percentage of all deaths in each age-sex group and rate per 100,000 population)

AGE GROUP 0-1								
Both Sexes	P.c.	Rate	Males	P.c.	Rate	Females	P.c.	Rate
Diseases of early infancy	51.5	1,656.2	Diseases of early infancy	53.1	1,915.9	Diseases of early infancy	49.5	1,384.7
Congenital malformations	15.7	505.4	Congenital malformations	14.8	534.5	Congenital malformations	17.0	474.9
Influenza, bronchitis and pneumonia	13.6	438.1	Influenza, bronchitis and pneumonia	13.2	476.5	Influenza, bronchitis and pneumonia	14.2	398.1
Accidents and violence	3.6	116.9	Gastritis, duodenitis, enteritis and colitis	3.6	128.4	Accidents and violence	3.8	106.0
Gastritis, duodenitis, enteritis and colitis	3.6	116.2	Accidents and violence	3.5	127.5	Gastritis, duodenitis, enteritis and colitis	3.7	103.6

AGE GROUP 1-4								
Accidents and violence	30.1	43.8	Accidents and violence	30.7	49.8	Accidents and violence	29.4	37.4
Influenza, bronchitis and pneumonia	16.8	24.4	Influenza, bronchitis and pneumonia	16.4	26.6	Influenza, bronchitis and pneumonia	17.4	22.2
Congenital malformations	8.1	11.7	Cancer	7.6	12.4	Congenital malformations	9.2	11.7
Cancer	7.9	11.4	Congenital malformations	7.2	11.7	Cancer	8.2	10.4
Gastritis, duodenitis, enteritis and colitis	4.7	6.8	Gastritis, duodenitis, enteritis and colitis	5.5	9.0	Gastritis, duodenitis, enteritis and colitis	3.6	4.6

AGE GROUP 5-9								
Accidents and violence	49.9	32.3	Accidents and violence	55.5	42.4	Accidents and violence	41.4	21.8
Cancer	11.5	7.4	Cancer	11.1	8.5	Cancer	12.0	6.3
Influenza, bronchitis and pneumonia	5.5	3.6	Influenza, bronchitis and pneumonia	4.7	3.6	Congenital malformations	6.9	3.7
Congenital malformations	5.1	3.3	Congenital malformations	4.0	3.0	Influenza, bronchitis and pneumonia	6.7	3.5
Nephritis and nephrosis	2.8	1.8	Nephritis and nephrosis	1.8	1.4	Nephritis and nephrosis	4.4	2.3

AGE GROUP 10-14								
Accidents and violence	54.4	30.4	Accidents and violence	66.8	45.9	Accidents and violence	33.6	14.3
Cancer	9.0	5.0	Cancer	5.7	3.9	Cancer	14.5	6.2
Congenital malformations	4.4	2.4	Influenza, bronchitis and pneumonia	3.4	2.3	Congenital malformations	6.4	2.7
Diseases of heart and arteries	3.8	2.1	Congenital malformations	3.2	2.2	Diseases of heart and arteries	6.4	2.7
Influenza, bronchitis and pneumonia	3.7	2.1	Rheumatic fever	2.7	1.9	Nephritis and nephrosis	4.9	2.1

PART III. THE 15-64 AGE GROUP

In 1955 this age group comprised 9,356,500 persons or over 60 per cent of the total population. However, while the population as a whole is largely economically dependent on this group it is not growing as fast as the general population - it accounted for 65.5 per cent of the total population in 1941 compared with 60.1 per cent in 1955.

For this group as a whole the death rate has declined from 5.8 per thousand population in 1931 to 4.0 per thousand in 1955. The male rate has shown only a small decline from 6.1 to 5.1 while the female rate has dropped from 5.6 to 2.9. Within

the broad age grouping, three sub-groups are segregated for separate study. Death rates in the 15-29 year grouping are particularly low and have declined from 3.0 per thousand population in 1931 to 1.1 in 1955. There has also been a large decline in the 30-44 age group from a rate of 4.5 in 1931 to 2.1 in 1955. By way of contrast the rate for the age group from 45 to 64 has shown only a small decline from 11.9 in 1931 to 10.0 in 1955.

In Table 11 will be found a self-explanatory summarization of the leading causes of death in each age group by sex.

TABLE 10. Population and Mortality in Age Group 15-64, 1955

Age sub-groups	Population (thousands)	Deaths	Death Rates (per thousand population)	Proportions	
				Population %	Deaths %
15-64 Total	9,356.5	37,504	4.0	100.0	100.0
15-29	3,426.6	3,749	1.1	36.6	10.0
30-44	3,215.4	6,663	2.1	34.4	17.8
45-64	2,714.5	27,092	10.0	29.0	72.2
15-64 Male	4,720.0	23,866	5.1	100.0	100.0
15-29	1,727.0	2,607	1.5	36.6	10.9
30-44	1,603.0	4,002	2.5	34.0	16.8
45-64	1,390.0	17,257	12.4	29.4	72.3
15-64 Female	4,636.5	13,638	2.9	100.0	100.0
15-29	1,699.6	1,142	0.7	36.7	8.4
30-44	1,612.4	2,661	1.7	34.8	19.5
45-64	1,324.5	9,835	7.4	28.6	72.1

CHART- 9

CAUSES OF DEATH , 1955

AGE GROUP 15-64

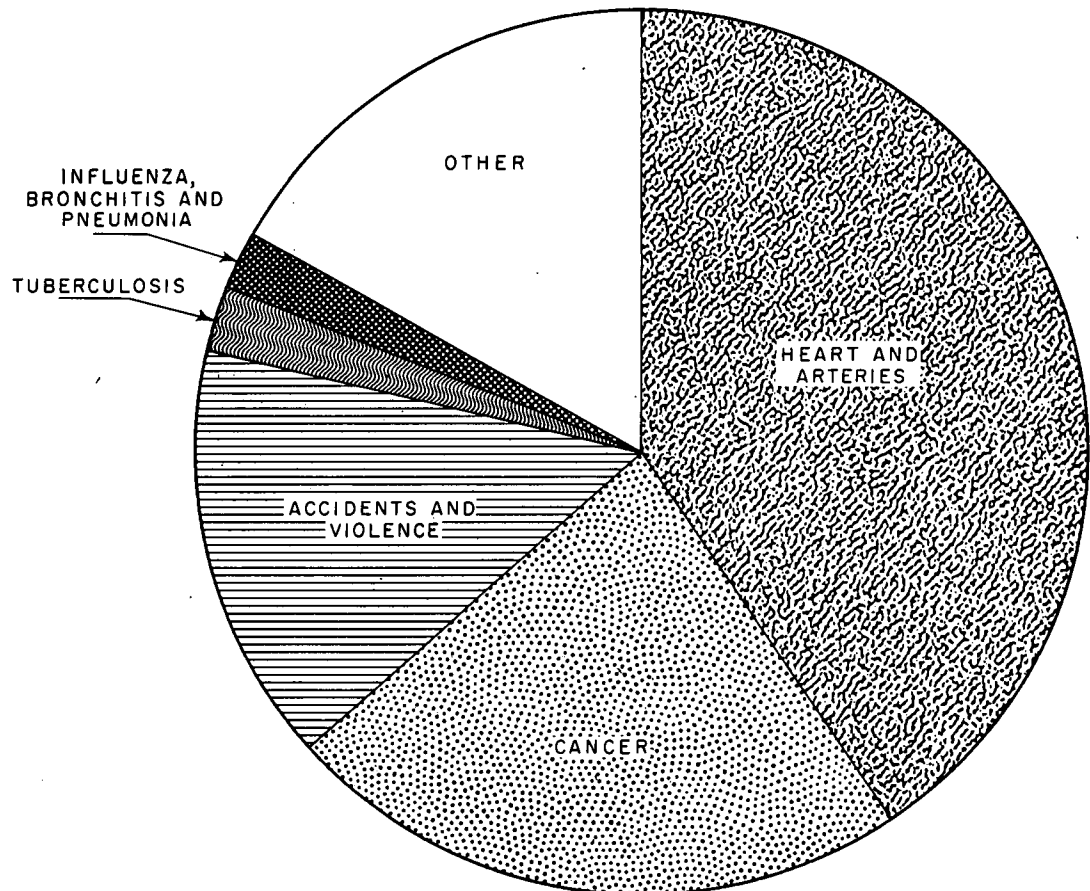


TABLE 11. Leading Causes of Death in the Age Group 15-64, 1955
(Figures show percentage of all deaths in each age-sex group and rate per 100,000 population)

AGE GROUP 15-19								
Both Sexes	P.c.	Rate	Males	P.c.	Rate	Females	P.c.	Rate
Accidents and violence	57.1	52.1	Accidents and violence	68.6	85.9	Accidents and violence	30.4	17.0
Cancer	8.3	7.5	Cancer.....	6.9	8.7	Cancer.....	11.3	6.3
Diseases of heart and arteries ..	5.8	5.3	Diseases of heart and arteries	4.0	5.0	Diseases of heart and arteries	10.0	5.6
Nephritis and nephrosis.....	2.9	2.7	Congenital malformations.....	2.6	3.3	Epilepsy	4.9	2.7
Epilepsy.....	2.7	2.5	Nephritis and nephrosis	2.6	3.3	Maternal causes.....	4.5	2.5
AGE GROUP 20-24								
Accidents and violence	61.2	71.7	Accidents and violence	72.6	122.9	Accidents and violence	30.5	19.5
Cancer	6.9	8.0	Cancer.....	5.4	9.1	Maternal causes.....	14.2	9.1
Diseases of heart and arteries ..	6.6	7.7	Diseases of heart and arteries	5.2	8.8	Cancer.....	10.8	6.9
Tuberculosis	4.4	5.1	Nephritis and nephrosis	3.7	6.3	Diseases of heart and arteries	10.3	6.6
Maternal causes	3.9	4.5	Tuberculosis	2.6	4.5	Tuberculosis	9.1	5.8
AGE GROUP 25-29								
Accidents and violence	49.1	58.6	Accidents and violence	62.6	99.3	Accidents and violence	22.6	18.3
Cancer	11.1	13.3	Cancer.....	9.4	14.8	Cancer.....	14.5	11.7
Diseases of heart and arteries ..	8.0	9.6	Diseases of heart and arteries	8.7	13.8	Maternal causes.....	14.3	11.6
Tuberculosis	7.0	8.3	Tuberculosis	4.8	7.6	Tuberculosis	11.2	9.0
Maternal causes	4.8	5.8	Nephritis and nephrosis	2.1	3.4	Diseases of heart and arteries	6.6	5.4
AGE GROUP 30-34								
Accidents and violence	35.1	53.3	Accidents and violence	48.8	91.3	Cancer.....	24.1	28.2
Cancer	16.0	24.2	Diseases of heart and arteries	14.7	27.5	Accidents and violence	14.0	16.4
Diseases of heart and arteries ..	14.0	21.2	Cancer.....	10.7	20.1	Diseases of heart and arteries	12.8	15.0
Tuberculosis	5.5	8.3	Tuberculosis	4.0	7.5	Maternal causes.....	11.6	13.6
Maternal causes	4.6	6.9	Nephritis and nephrosis	3.6	6.8	Tuberculosis	7.8	9.1
AGE GROUP 35-39								
Accidents and violence	25.8	47.9	Accidents and violence	35.4	77.1	Cancer.....	30.7	47.0
Diseases of heart and arteries ..	23.0	42.7	Diseases of heart and arteries	26.4	57.5	Diseases of heart and arteries	18.2	27.9
Cancer	20.8	38.6	Cancer.....	13.8	30.2	Accidents and violence	12.3	18.9
Tuberculosis.....	5.4	10.0	Tuberculosis	5.2	11.3	Maternal causes.....	9.8	15.1
Maternal causes	4.1	7.6	Nephritis and nephrosis	2.7	5.9	Tuberculosis	5.6	8.6

TABLE 11. Leading Causes of Death in the Age Group 15-64, 1955 - concluded

(Figures show percentage of all deaths in each age-sex group and rate per 100,000 population)

AGE GROUP 40-44								
Both Sexes	P.c.	Rate	Males	P.c.	Rate	Females	P.c.	Rate
Diseases of heart and arteries..	32.2	95.3	Diseases of heart and arteries	37.9	134.5	Cancer.....	39.4	92.6
Cancer	23.8	70.3	Accidents and violence	25.0	88.7	Diseases of heart and arteries	23.4	55.0
Accidents and violence	19.0	56.3	Cancer.....	13.7	48.6	Accidents and violence	9.8	23.0
Tuberculosis.....	3.2	9.5	Tuberculosis	3.2	11.2	Tuberculosis	3.3	7.8
Nephritis and nephrosis	2.4	7.0	Nephritis and nephrosis	2.0	7.2	Maternal causes.....	3.1	7.4
AGE GROUP 45-49								
Diseases of heart and arteries..	40.2	191.6	Diseases of heart and arteries	45.4	260.7	Cancer.....	38.7	143.9
Cancer	25.4	120.8	Cancer.....	17.3	99.2	Diseases of heart and arteries	31.6	117.7
Accidents and violence	13.2	62.8	Accidents and violence	17.2	98.7	Accidents and violence	6.6	24.5
Tuberculosis.....	2.5	11.8	Tuberculosis	2.7	15.3	Tuberculosis	2.2	8.1
Nephritis and nephrosis.....	2.0	9.5	Nephritis and nephrosis	1.9	10.8	Nephritis and nephrosis	2.2	8.1
AGE GROUP 50-54								
Diseases of heart and arteries..	45.4	350.4	Diseases of heart and arteries	50.4	494.0	Cancer.....	37.8	208.7
Cancer	25.8	199.5	Cancer.....	19.5	190.8	Diseases of heart and arteries	35.8	197.5
Accidents and violence	9.3	71.9	Accidents and violence	11.5	112.6	Accidents and violence	5.2	28.5
Influenza, bronchitis and pneumonia	1.8	14.1	Tuberculosis	1.9	18.8	Nephritis and nephrosis	2.1	11.7
Tuberculosis	1.7	13.3	Influenza, bronchitis and pneumonia	1.8	17.4	Diabetes mellitus	2.0	10.8
AGE GROUP 55-59								
Diseases of heart and arteries..	50.6	611.8	Diseases of heart and arteries	54.8	831.2	Diseases of heart and arteries	43.3	386.3
Cancer	26.1	315.1	Cancer.....	21.6	328.0	Cancer.....	33.8	301.8
Accidents and violence	5.5	66.8	Accidents and violence	6.5	98.5	Accidents and violence	3.8	34.3
Influenza, bronchitis and pneumonia	2.0	24.2	Influenza, bronchitis and pneumonia	2.0	30.8	Diabetes mellitus	3.0	26.8
Diabetes mellitus	1.7	20.6	Tuberculosis	1.7	26.4	Nephritis and nephrosis	2.2	19.6
AGE GROUP 60-64								
Diseases of heart and arteries..	54.1	1,026.5	Diseases of heart and arteries	56.3	1,341.4	Diseases of heart and arteries	50.1	704.0
Cancer	23.8	452.8	Cancer.....	21.2	505.5	Cancer.....	28.4	398.8
Accidents and violence	4.6	87.6	Accidents and violence	5.6	133.6	Diabetes mellitus	3.2	45.1
Influenza, bronchitis and pneumonia	2.1	40.7	Influenza, bronchitis and pneumonia	2.3	54.9	Accidents and violence	2.9	40.5
Diabetes mellitus	2.0	37.7	Nephritis and nephrosis	1.4	33.9	Nephritis and nephrosis	2.1	28.9

PART IV. THE 65 AND OVER AGE GROUP

This age group comprised 1,203,400 persons or 7.7 per cent of the total population in 1955. This group has been growing at a faster rate than the population as a whole over the past few decades although not as fast as the population in the 0-14 age group, accounting for only 4.8 per cent of the population in 1921, increasing to 5.6 in 1931, 6.7 in 1941 and 7.7 in 1955. There was little change in this group's proportion of the population between 1951 and 1955.

For the group as a whole the death rate has declined from 64.2 in 1931 to 60.5 in 1955. The

female rate has declined from 62.8 in 1931 to 53.7 in 1955; on the other hand the male rate has actually increased to 67.2 in 1955 from 65.5 in 1931. In the age sub-group 65-74 there has been a slow but steady decline in the death rate per 1,000 population from 43.2 in 1932 to 37.0 in 1955.

In Table 13 will be found a self-explanatory summarization of the leading causes of death in each age group by sex.

TABLE 12. Population and Mortality in Age Group 65 and Over, 1955

Age sub-groups	Population (thousands)	Deaths	Death Rates (per thousand population)	Proportions	
				Population %	Deaths %
65 and over, total	1,203.4	72,784	60.5	100.0	100.0
65-74	805.4	29,811	37.0	66.9	41.0
75 and over	398.0	42,973	108.0	33.1	59.0
65 and over, male	602.8	40,513	67.2	100.0	100.0
65-74	411.5	18,184	44.2	68.3	44.9
75 and over	191.3	22,329	116.7	31.7	55.1
65 and over, female	600.6	32,271	53.7	100.0	100.0
65-74	393.9	11,627	29.5	65.6	36.0
75 and over	206.7	20,644	99.9	34.4	64.0

CHART-10

CAUSES OF DEATH, 1955

AGE GROUP 65 AND OVER

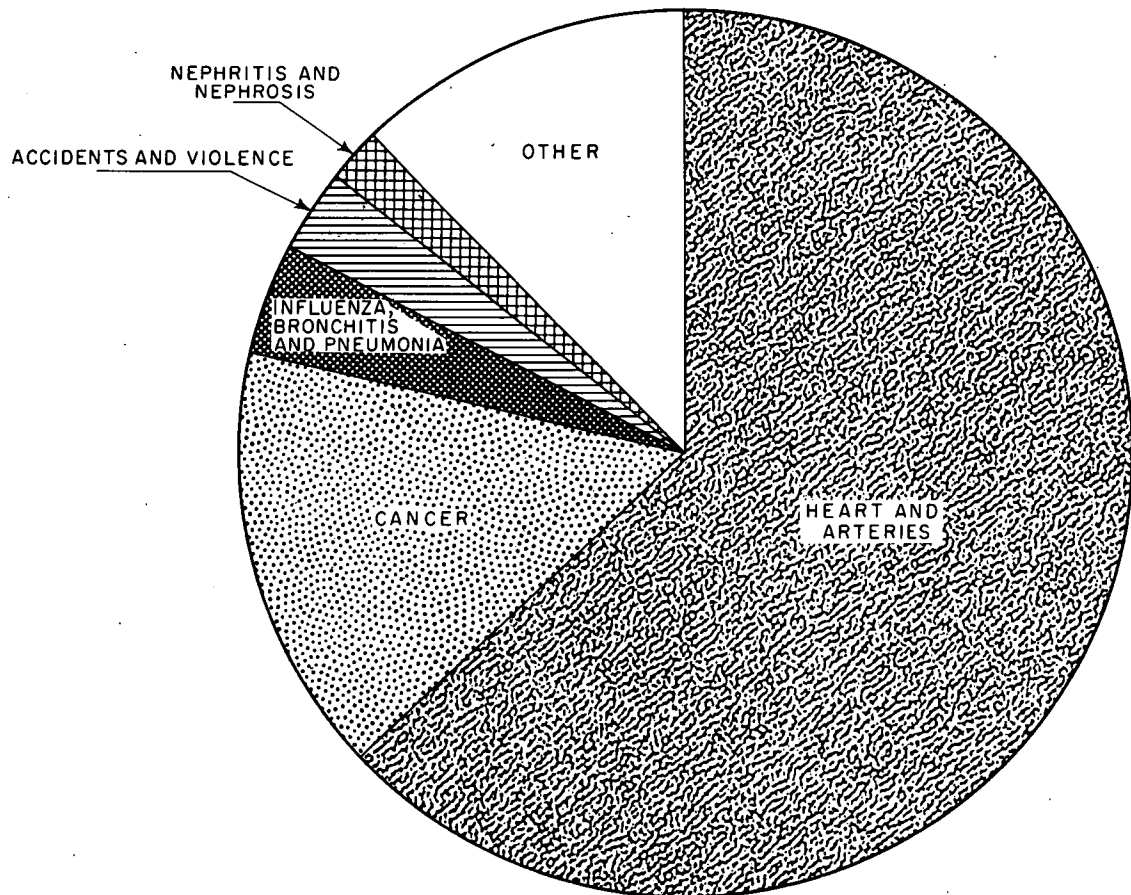


TABLE 13. Leading Causes of Death in the Age Group 65 and Over, 1955
(Figures show percentage of all deaths in each age-sex group and rate per 100,000 population)

AGE GROUP 65-69								
Both Sexes	P.c.	Rate	Males	P.c.	Rate	Females	P.c.	Rate
Diseases of heart and arteries ..	57.7	1,725.7	Diseases of heart and arteries	58.3	2,132.4	Diseases of heart and arteries	56.7	1,297.0
Cancer	21.3	636.9	Cancer	19.9	727.4	Cancer	23.7	541.5
Accidents and violence	3.4	100.6	Accidents and violence	4.2	152.3	Diabetes mellitus	3.5	80.3
Influenza, bronchitis and pneumonia	2.5	73.5	Influenza, bronchitis and pneumonia	2.6	93.9	Influenza, bronchitis and pneumonia	2.3	52.0
Diabetes mellitus	2.3	69.5	Diabetes mellitus	1.6	59.3	Nephritis and nephrosis	2.2	49.3
AGE GROUP 70-74								
Diseases of heart and arteries	61.4	2,824.0	Diseases of heart and arteries	61.1	3,294.3	Diseases of heart and arteries	61.8	2,338.3
Cancer	19.3	887.1	Cancer	19.3	1,041.0	Cancer	19.2	728.1
Influenza, bronchitis and pneumonia	2.8	128.7	Accidents and violence	3.2	171.3	Diabetes mellitus	2.7	100.7
Accidents and violence	2.8	127.3	Influenza, bronchitis and pneumonia	2.9	159.1	Influenza, bronchitis and pneumonia	2.6	97.3
Diabetes mellitus	1.8	83.6	Nephritis and nephrosis	1.4	73.7	Accidents and violence	2.2	81.9
AGE GROUP 75-79								
Diseases of heart and arteries	64.2	4,695.2	Diseases of heart and arteries	62.4	5,195.2	Diseases of heart and arteries	66.5	4,205.2
Cancer	15.8	1,154.4	Cancer	16.5	1,375.2	Cancer	14.8	938.0
Influenza, bronchitis and pneumonia	3.9	281.9	Influenza, bronchitis and pneumonia	4.2	352.9	Influenza, bronchitis and pneumonia	3.4	212.2
Accidents and violence	2.5	185.3	Accidents and violence	2.7	228.2	Diabetes mellitus	2.4	154.6
Nephritis and nephrosis	2.0	148.7	Nephritis and nephrosis	1.8	149.7	Nephritis and nephrosis	2.3	147.6
AGE GROUP 80-84								
Diseases of heart and arteries	65.8	7,715.8	Diseases of heart and arteries	63.5	8,243.6	Diseases of heart and arteries	68.3	7,236.3
Cancer	12.6	1,483.0	Cancer	13.7	1,783.9	Cancer	11.4	1,209.7
Influenza, bronchitis and pneumonia	4.9	578.9	Influenza, bronchitis and pneumonia	5.2	672.2	Influenza, bronchitis and pneumonia	4.7	494.2
Accidents and violence	3.0	354.8	Accidents and violence	3.0	386.4	Accidents and violence	3.1	326.1
Nephritis and nephrosis	2.3	269.4	Nephritis and nephrosis	2.2	289.4	Nephritis and nephrosis	2.4	251.2
AGE GROUP 85 AND OVER								
Diseases of heart and arteries	66.4	15,180.2	Diseases of heart and arteries	64.6	15,567.3	Diseases of heart and arteries	67.9	14,884.7
Cancer	8.1	1,841.0	Cancer	8.6	2,081.6	Cancer	7.6	1,657.3
Influenza, bronchitis and pneumonia	6.6	1,505.3	Influenza, bronchitis and pneumonia	6.9	1,673.5	Influenza, bronchitis and pneumonia	6.3	1,376.9
Accidents and violence	4.0	922.3	Accidents and violence	3.8	910.2	Accidents and violence	4.2	931.5
Nephritis and nephrosis	2.3	531.8	Hyperplasia of prostate	2.7	640.8	Nephritis and nephrosis	2.1	464.2

PART V. APPENDIX

TABLE 14. Population in Leading Age Groups, Canada, 1921-55

No.	Year	Total	0-14	0-4	5-9	10-14	15-64	15-19	20-24	25-29	30-34
Population (000's)											
1	1921	8,775.6	3,019.4	1,057.7	1,048.6	913.1	5,336.5	803.5	712.7	687.7	653.9
2	22	8,907.0	3,044.1	1,067.7	1,049.9	926.5	5,430.9	820.4	724.7	690.3	656.6
3	23	8,998.0	3,056.0	1,069.1	1,050.8	936.1	5,500.8	835.3	733.3	691.4	656.5
4	24	9,131.0	3,080.8	1,075.4	1,054.4	951.0	5,595.6	853.9	744.8	695.0	658.7
5	1925	9,282.0	3,108.3	1,078.2	1,061.4	968.7	5,704.0	875.8	757.7	699.8	661.5
6	26	9,439.0	3,142.0	1,082.6	1,070.2	989.2	5,810.6	898.5	771.6	703.0	665.2
7	27	9,624.0	3,166.9	1,081.3	1,080.3	1,005.3	5,954.4	922.8	799.0	720.2	675.9
8	28	9,822.0	3,195.4	1,079.5	1,093.7	1,022.2	6,105.7	951.9	828.7	738.8	685.6
9	29	10,016.0	3,224.7	1,077.9	1,107.3	1,039.5	6,251.7	983.1	857.2	756.0	694.5
10	1930	10,195.0	3,252.4	1,075.4	1,119.9	1,057.1	6,385.5	1,011.6	885.5	772.1	701.7
11	31	10,363.2	3,277.1	1,072.9	1,131.3	1,072.9	6,510.5	1,038.8	910.5	785.7	708.2
12	32	10,496.0	3,280.3	1,066.3	1,121.5	1,092.5	6,625.7	1,047.0	932.8	805.2	715.3
13	33	10,619.0	3,287.5	1,053.6	1,115.6	1,118.3	6,724.9	1,037.9	960.6	825.8	723.1
14	34	10,727.0	3,278.0	1,033.1	1,110.8	1,134.1	6,822.1	1,038.2	984.6	842.7	731.8
15	1935	10,829.0	3,265.6	1,032.5	1,087.8	1,145.3	6,915.0	1,040.1	1,005.3	860.5	740.8
16	36	10,934.0	3,240.8	1,019.4	1,083.3	1,138.1	7,024.9	1,066.1	1,016.0	874.6	752.8
17	37	11,029.0	3,214.5	1,001.1	1,080.6	1,132.8	7,127.8	1,086.2	1,021.6	891.0	767.0
18	38	11,136.0	3,190.9	992.9	1,069.9	1,128.1	7,240.5	1,110.2	1,010.9	916.7	787.4
19	39	11,250.0	3,180.6	1,006.1	1,050.8	1,123.7	7,347.4	1,122.5	1,009.4	939.4	806.5
20	1940	11,364.0	3,174.0	1,018.8	1,053.7	1,101.5	7,446.2	1,129.3	1,008.5	958.2	827.6
21	41	11,489.7	3,192.9	1,049.7	1,043.9	1,099.3	7,529.9	1,118.8	1,031.0	965.4	842.4
22	42	11,637.0	3,213.9	1,088.0	1,030.0	1,095.9	7,634.2	1,106.9	1,059.2	975.8	862.9
23	43	11,778.0	3,246.1	1,134.6	1,025.0	1,086.5	7,720.9	1,096.4	1,082.9	977.3	884.8
24	44	11,929.0	3,286.4	1,178.8	1,039.0	1,068.6	7,808.7	1,093.5	1,094.7	979.4	908.7
25	1945	12,055.0	3,329.8	1,235.1	1,043.5	1,051.2	7,872.2	1,085.8	1,095.6	987.1	924.6
26	46	12,268.0	3,414.2	1,285.2	1,080.0	1,049.0	7,975.4	1,075.3	1,092.2	1,016.1	945.3
27	47	12,527.0	3,531.9	1,357.7	1,120.5	1,053.7	8,077.6	1,068.3	1,094.8	1,035.4	960.7
28	48	12,799.0	3,671.0	1,443.4	1,165.0	1,062.6	8,171.0	1,059.7	1,092.2	1,049.8	973.6
29	49	13,423.0	3,930.5	1,564.5	1,258.5	1,107.5	8,477.3	1,084.2	1,116.1	1,094.4	1,013.0
30	1950	13,688.0	4,062.6	1,630.4	1,311.1	1,121.1	8,575.1	1,074.7	1,106.1	1,109.9	1,029.6
31	51	13,984.4	4,242.2	1,718.2	1,395.2	1,128.8	8,656.8	1,056.1	1,086.1	1,128.5	1,040.5
32	52	14,405.0	4,419.8	1,777.0	1,466.6	1,176.2	8,866.1	1,068.4	1,100.1	1,159.2	1,073.3
33	53	14,756.0	4,594.9	1,830.7	1,536.5	1,227.7	9,011.9	1,080.3	1,099.2	1,169.1	1,096.0
34	54	15,168.0	4,791.4	1,894.9	1,608.9	1,287.6	9,197.1	1,102.8	1,106.3	1,184.9	1,121.6
35	55	15,573.0	5,013.1	1,979.2	1,681.8	1,352.1	9,356.5	1,128.7	1,107.4	1,190.5	1,143.5
Percentages											
36	1921	100.0	34.4	12.1	11.9	10.4	60.8	9.2	8.1	7.8	7.5
37	22	100.0	34.2	12.0	11.8	10.4	61.0	9.2	8.1	7.8	7.4
38	23	100.0	34.0	11.9	11.7	10.4	61.1	9.3	8.1	7.7	7.3
39	24	100.0	33.7	11.8	11.5	10.4	61.3	9.4	8.2	7.6	7.2
40	1925	100.0	33.5	11.6	11.4	10.4	61.5	9.4	8.2	7.5	7.1
41	26	100.0	33.3	11.5	11.3	10.5	61.6	9.5	8.2	7.4	7.0
42	27	100.0	32.9	11.2	11.2	10.4	61.9	9.6	8.3	7.5	7.0
43	28	100.0	32.5	11.0	11.1	10.4	62.2	9.7	8.4	7.5	7.0
44	29	100.0	32.2	10.8	11.1	10.4	62.4	9.8	8.6	7.5	6.9
45	1930	100.0	31.9	10.5	11.0	10.4	62.6	9.9	8.7	7.6	6.9
46	31	100.0	31.6	10.4	10.9	10.4	62.8	10.0	8.8	7.6	6.8
47	32	100.0	31.3	10.2	10.7	10.4	63.1	10.0	8.9	7.7	6.8
48	33	100.0	31.0	9.9	10.5	10.5	63.3	9.8	9.0	7.8	6.8
49	34	100.0	30.6	9.6	10.4	10.6	63.6	9.7	9.2	7.9	6.8
50	1935	100.0	30.2	9.5	10.0	10.6	63.9	9.6	9.3	7.9	6.8
51	36	100.0	29.6	9.3	9.9	10.4	64.2	9.8	9.3	8.0	6.9
52	37	100.0	29.1	9.1	9.8	10.3	64.6	9.8	9.3	8.1	7.0
53	38	100.0	28.7	8.9	9.6	10.1	65.0	10.0	9.1	8.2	7.1
54	39	100.0	28.3	8.9	9.3	10.0	65.3	10.0	9.0	8.4	7.2
55	1940	100.0	27.9	9.0	9.3	9.7	65.5	9.9	8.9	8.4	7.3
56	41	100.0	27.8	9.1	9.1	9.6	65.5	9.7	9.0	8.4	7.3
57	42	100.0	27.6	9.3	8.9	9.4	65.6	9.5	9.1	8.4	7.4
58	43	100.0	27.6	9.6	8.7	9.2	65.6	9.3	9.2	8.3	7.5
59	44	100.0	27.5	9.9	8.7	9.0	65.5	9.2	9.2	8.2	7.6
60	1945	100.0	27.6	10.2	8.7	8.7	65.3	9.0	9.1	8.2	7.7
61	46	100.0	27.8	10.5	8.8	8.6	65.0	8.8	8.9	8.3	7.7
62	47	100.0	28.2	10.8	8.9	8.4	64.5	8.5	8.7	8.3	7.7
63	48	100.0	28.7	11.3	9.1	8.3	63.8	8.3	8.5	8.2	7.6
64	49	100.0	29.3	11.7	9.4	8.3	63.2	8.1	8.3	8.2	7.5
65	1950	100.0	29.7	11.9	9.6	8.2	62.6	7.9	8.1	8.1	7.5
66	51	100.0	30.3	12.3	10.0	8.1	61.9	7.6	7.8	8.1	7.4
67	52	100.0	30.7	12.3	10.2	8.2	61.5	7.4	7.6	8.0	7.5
68	53	100.0	31.1	12.4	10.4	8.3	61.1	7.3	7.4	7.9	7.4
69	54	100.0	31.6	12.5	10.6	8.5	60.6	7.3	7.3	7.8	7.4
70	55	100.0	32.2	12.7	10.8	8.7	60.1	7.2	7.1	7.6	7.3

PART V. APPENDIX
TABLE 14. Population in Leading Age Groups, Canada, 1921-55

35-39	40-44	45-49	50-54	55-59	60-64	65+	65-69	70-74	75-79	80-84	85+	No.
Population (000's)												
633.2	527.7	435.4	362.3	280.6	239.5	419.7	172.2	117.6	71.5	37.7	20.7	1
835.7	541.6	451.4	373.3	291.8	245.1	432.0	177.5	121.4	73.9	38.3	20.9	2
637.0	551.5	464.9	381.3	299.6	250.0	441.2	182.1	124.2	75.3	38.7	20.9	3
640.0	565.5	481.6	392.3	307.8	256.0	454.6	188.4	128.3	77.6	39.4	20.9	4
645.1	578.5	501.4	405.4	316.2	262.6	469.7	194.8	133.2	80.1	40.5	21.1	5
651.9	592.0	518.2	417.6	324.4	268.2	486.4	201.2	138.9	82.7	42.1	21.5	6
660.1	603.6	532.7	432.6	333.7	273.8	502.7	207.2	144.5	85.9	43.3	21.8	7
668.2	615.4	547.3	447.0	343.7	279.1	520.9	213.3	151.3	89.2	44.5	22.6	8
674.8	626.5	561.2	462.0	352.1	284.3	539.6	219.7	158.7	92.1	46.0	23.1	9
681.3	636.6	573.3	474.8	359.7	288.9	557.1	225.0	165.0	95.1	47.9	24.1	10
687.9	645.6	584.8	488.2	366.6	294.2	575.6	231.0	171.5	98.6	49.2	25.3	11
689.0	652.1	595.4	505.8	382.6	300.5	590.0	235.3	175.4	103.1	50.2	26.0	12
688.8	658.3	603.4	521.1	400.1	305.8	606.6	241.2	178.9	108.5	51.2	26.8	13
688.3	664.1	609.3	534.4	417.9	310.8	626.9	248.5	182.8	114.6	52.6	28.4	14
689.6	668.2	613.3	545.8	434.2	317.2	648.4	256.4	187.3	120.2	54.6	29.9	15
693.9	670.5	617.8	556.2	449.6	327.4	668.3	264.0	191.7	124.3	57.1	31.2	16
701.1	671.2	621.8	564.9	463.2	339.8	686.7	271.3	196.1	127.2	59.8	32.3	17
711.4	671.0	626.8	573.0	476.8	356.3	704.6	277.7	200.9	129.3	63.6	33.1	18
724.7	670.5	631.5	579.8	488.7	374.4	722.0	284.7	205.8	130.7	67.2	33.6	19
740.6	671.6	634.2	585.8	498.6	391.8	743.8	294.7	211.5	133.1	70.0	34.5	20
758.4	675.6	634.4	591.0	506.3	406.6	766.9	307.3	216.9	135.6	71.4	35.7	21
771.9	686.1	637.4	597.2	518.3	418.5	788.9	316.7	223.2	139.2	73.1	36.7	22
783.0	698.0	639.2	600.7	529.1	429.5	811.0	325.9	229.4	143.2	74.7	37.8	23
794.9	711.9	642.7	603.2	539.1	440.6	833.9	335.7	235.8	147.3	76.3	38.8	24
811.4	723.3	648.0	603.3	544.2	448.9	853.0	344.0	241.6	150.4	77.6	39.4	25
840.4	737.0	661.9	602.4	548.1	456.7	878.4	352.9	248.0	154.0	80.2	43.3	26
860.2	754.9	674.0	609.5	553.2	466.6	917.5	365.1	258.1	161.4	85.4	47.5	27
882.2	774.0	684.8	619.5	557.7	477.5	957.0	379.3	270.7	169.2	89.0	48.8	28
932.9	813.8	714.9	643.7	570.0	494.3	1,015.2	401.4	289.3	179.2	93.5	51.8	29
962.7	839.3	728.5	653.2	570.9	500.2	1,050.3	416.3	301.5	183.8	95.8	52.9	30
997.3	867.1	743.6	661.8	570.1	505.7	1,085.4	433.2	314.8	188.2	96.7	52.5	31
1,026.4	901.5	769.5	675.8	583.1	508.8	1,119.1	439.9	327.3	197.9	100.5	53.5	32
1,045.7	930.8	792.9	690.3	594.8	512.8	1,149.2	444.2	337.9	207.7	104.5	54.9	33
1,069.3	959.6	819.7	706.6	607.9	518.4	1,179.5	448.0	347.9	217.7	109.7	56.2	34
1,085.4	986.5	845.1	723.4	620.8	525.2	1,203.4	450.3	355.1	226.7	114.7	56.6	35
Percentages												
7.2	6.0	5.0	4.1	3.2	2.7	4.8	2.0	1.3	0.8	0.4	0.3	36
7.1	6.1	5.1	4.2	3.3	2.8	4.9	2.0	1.4	0.8	0.4	0.3	37
7.1	6.1	5.2	4.2	3.3	2.8	4.9	2.0	1.4	0.8	0.4	0.3	38
7.0	6.2	5.3	4.3	3.4	2.8	5.0	2.1	1.4	0.8	0.4	0.3	39
7.0	6.2	5.4	4.4	3.4	2.8	5.1	2.1	1.4	0.9	0.4	0.3	40
6.9	6.3	5.5	4.4	3.4	2.8	5.2	2.1	1.5	0.9	0.4	0.3	41
6.9	6.3	5.5	4.5	3.5	2.8	5.2	2.2	1.5	0.9	0.4	0.3	42
6.8	6.3	5.6	4.6	3.5	2.8	5.3	2.2	1.5	0.9	0.5	0.3	43
6.7	6.3	5.6	4.6	3.5	2.8	5.4	2.2	1.6	0.9	0.5	0.3	44
6.7	6.2	5.6	4.7	3.5	2.8	5.5	2.2	1.6	0.9	0.5	0.3	45
6.6	6.2	5.6	4.7	3.5	2.8	5.6	2.2	1.7	1.0	0.5	0.3	46
6.6	6.2	5.7	4.8	3.6	2.9	5.6	2.2	1.7	1.0	0.5	0.3	47
6.5	6.2	5.7	4.9	3.8	2.9	5.7	2.3	1.7	1.0	0.5	0.3	48
6.4	6.2	5.7	5.0	3.9	2.9	5.8	2.3	1.7	1.1	0.5	0.3	49
6.4	6.2	5.7	5.0	4.0	2.9	6.0	2.4	1.7	1.1	0.5	0.3	50
6.3	6.1	5.7	5.1	4.1	3.0	6.1	2.4	1.8	1.1	0.5	0.3	51
6.4	6.1	5.6	5.1	4.2	3.1	6.2	2.5	1.8	1.2	0.5	0.3	52
6.4	6.0	5.6	5.1	4.3	3.2	6.3	2.5	1.8	1.2	0.6	0.3	53
6.4	6.0	5.6	5.2	4.3	3.3	6.4	2.5	1.8	1.2	0.6	0.3	54
6.5	5.9	5.6	5.2	4.4	3.4	6.5	2.6	1.9	1.2	0.6	0.3	55
6.6	5.9	5.5	5.1	4.4	3.5	6.7	2.7	1.9	1.2	0.6	0.3	56
6.6	5.9	5.5	5.1	4.5	3.6	6.8	2.7	1.9	1.2	0.6	0.3	57
6.6	5.9	5.4	5.1	4.5	3.6	6.9	2.8	1.9	1.2	0.6	0.3	58
6.7	6.0	5.4	5.1	4.5	3.7	7.0	2.8	2.0	1.2	0.6	0.4	59
6.7	6.0	5.4	5.0	4.5	3.7	7.1	2.9	2.0	1.2	0.6	0.4	60
6.9	6.0	5.4	4.9	4.5	3.7	7.2	2.9	2.0	1.3	0.7	0.4	61
6.9	6.0	5.4	4.9	4.4	3.7	7.3	2.9	2.1	1.3	0.7	0.4	62
6.9	6.0	5.4	4.8	4.4	3.7	7.5	3.0	2.1	1.3	0.7	0.4	63
7.0	6.1	5.3	4.8	4.2	3.7	7.6	3.0	2.2	1.3	0.7	0.4	64
7.0	6.1	5.3	4.8	4.2	3.7	7.7	3.0	2.2	1.3	0.7	0.4	65
7.1	6.2	5.3	4.7	4.1	3.6	7.8	3.1	2.3	1.3	0.7	0.4	66
7.1	6.3	5.3	4.7	4.0	3.5	7.8	3.1	2.3	1.4	0.7	0.4	67
7.1	6.3	5.4	4.7	4.0	3.5	7.8	3.0	2.3	1.4	0.7	0.4	68
7.0	6.3	5.4	4.7	4.0	3.4	7.8	3.0	2.3	1.4	0.7	0.4	69
7.0	6.3	5.4	4.6	4.0	3.4	7.7	2.9	2.3	1.5	0.7	0.4	70

TABLE 15. Deaths in Leading Age Groups, Canada, 1921-55

Year	Total	0-14				15-64				65+		
		Group total	0-1	1-4	5-14	Group total	15-29	30-44	45-64	Group total	65-74	75+
Number (000's)												
1921	67.7	22.6	14.9	4.2	3.4	24.4	5.6	6.8	12.0	20.7	9.0	11.8
22	69.0	21.5	14.3	4.0	3.2	25.0	5.5	7.0	12.5	22.5	9.6	12.9
23	70.2	20.8	13.8	4.0	3.0	25.5	5.4	6.9	13.1	23.9	10.2	13.7
24	66.2	19.0	12.4	3.7	2.9	24.3	5.1	6.5	12.7	22.9	10.0	12.9
1925	66.5	18.3	12.2	3.4	2.7	24.2	5.1	6.3	12.8	24.0	10.4	13.5
26	107.5	35.4	23.7	7.3	4.4	36.5	8.2	9.7	18.7	35.5	15.4	20.1
27	105.3	33.8	22.0	6.9	4.9	37.2	8.6	9.4	19.2	34.3	15.2	19.2
28	109.1	32.2	21.2	6.3	4.7	39.4	8.9	10.0	20.5	37.4	16.4	21.0
29	113.5	33.8	21.7	7.2	4.9	40.6	9.3	10.2	21.1	39.1	17.5	21.6
1930	109.3	32.3	21.7	6.2	4.4	39.4	9.1	9.7	20.7	37.6	16.9	20.7
31	104.5	29.6	20.4	5.4	3.8	38.0	8.2	9.2	20.6	36.9	16.5	20.4
32	104.4	25.4	17.3	4.6	3.5	38.2	7.9	9.2	21.2	40.7	17.8	23.0
33	102.0	23.6	16.3	4.2	3.1	37.6	7.4	8.7	21.5	40.8	17.8	23.0
34	101.6	23.4	15.9	4.4	3.1	37.4	6.9	8.4	22.1	40.7	17.8	22.9
1935	105.6	23.7	15.7	4.5	3.4	38.7	7.3	8.8	22.6	43.1	18.6	24.5
36	107.1	22.1	14.6	4.1	3.4	39.9	7.6	8.9	23.5	45.0	19.4	25.7
37	113.8	25.8	16.7	5.3	3.8	41.3	7.6	9.2	24.6	46.7	19.8	26.9
38	106.8	21.6	14.5	3.7	3.3	39.1	7.0	8.4	23.8	46.1	19.8	26.3
39	109.0	20.3	13.9	3.4	3.0	39.4	6.8	8.1	24.5	49.2	20.7	28.5
1940	110.9	19.8	13.8	3.3	2.7	40.0	6.6	8.1	25.4	51.1	21.6	29.4
41	114.6	21.6	15.2	3.4	2.9	40.9	6.8	8.3	25.8	52.1	21.9	30.2
42	113.0	20.6	14.7	3.4	2.5	40.6	6.8	7.9	26.0	51.7	22.0	29.8
43	118.6	21.1	15.2	3.2	2.7	41.4	6.9	8.0	26.5	56.1	23.4	32.7
44	116.1	21.5	15.5	3.3	2.6	39.8	6.1	7.5	26.2	54.8	23.6	31.3
1945	113.4	19.8	14.8	2.7	2.2	39.1	5.6	7.5	26.0	54.5	23.3	31.2
46	114.9	20.6	15.4	2.9	2.3	38.9	5.7	7.4	25.9	55.4	23.7	31.7
47	117.7	21.0	16.3	2.6	2.1	39.2	5.5	7.3	26.4	57.5	24.6	32.9
48	119.4	19.8	15.2	2.7	1.9	39.4	5.0	7.4	27.0	60.1	25.4	34.7
49	124.0	20.6	15.8	2.8	2.0	39.8	5.0	7.3	27.5	63.6	27.3	36.3
1950	123.8	19.8	15.3	2.5	1.9	38.6	4.3	7.0	27.4	65.4	27.9	37.5
51	125.5	19.0	14.6	2.5	1.9	39.0	4.3	7.1	27.5	67.4	28.3	39.2
52	126.0	20.0	15.3	2.7	2.0	39.3	4.2	7.3	27.8	66.7	28.4	38.3
53	127.4	19.1	14.8	2.4	1.9	38.9	4.1	7.1	27.7	69.3	29.2	40.1
54	124.5	17.8	13.8	2.2	1.8	37.6	3.8	6.8	27.0	69.1	28.8	40.2
55	128.2	17.9	13.8	2.3	1.8	37.5	3.7	6.7	27.1	72.8	29.8	43.0
Percentages												
1921	100.0	33.4	22.0	6.2	5.0	36.0	8.3	10.0	17.7	30.6	13.3	17.4
22	100.0	31.2	20.7	5.8	4.6	36.2	8.0	10.1	18.1	32.6	13.9	18.7
23	100.0	29.6	19.7	5.7	4.3	36.3	7.7	9.8	18.7	34.0	14.5	19.5
24	100.0	28.7	18.7	5.6	4.4	36.7	7.7	9.8	19.2	34.6	15.1	19.5
1925	100.0	27.5	18.3	5.1	4.1	36.4	7.7	9.5	19.2	36.1	15.6	20.3
26	100.0	32.9	22.0	6.8	4.1	34.0	7.6	9.0	17.4	33.0	14.3	18.7
27	100.0	32.1	20.9	6.6	4.7	35.3	8.2	8.9	18.2	32.6	14.4	18.2
28	100.0	29.5	19.4	5.8	4.3	36.1	8.2	9.2	18.8	34.3	15.0	19.2
29	100.0	29.8	19.1	6.3	4.3	35.8	8.2	9.0	18.6	34.4	15.4	19.0
1930	100.0	29.6	19.9	5.7	4.0	36.0	8.3	8.9	18.9	34.4	15.5	18.9
31	100.0	28.3	19.5	5.2	3.6	36.4	7.8	8.8	19.7	35.3	15.8	19.5
32	100.0	24.3	16.6	4.4	3.4	36.6	7.6	8.8	20.3	39.0	17.0	22.0
33	100.0	23.1	16.0	4.1	3.0	36.9	7.3	8.5	21.1	40.0	17.5	22.5
34	100.0	23.0	15.6	4.3	3.1	36.8	6.8	8.3	21.8	40.1	17.5	22.5
1935	100.0	22.4	14.9	4.3	3.2	36.6	6.9	8.3	21.4	40.8	17.6	23.2
36	100.0	20.6	13.6	3.8	3.2	37.3	7.1	8.3	21.9	42.0	18.1	24.0
37	100.0	22.7	14.7	4.7	3.3	36.3	6.7	8.1	21.6	41.0	17.4	23.6
38	100.0	20.2	13.6	3.5	3.1	36.6	6.6	7.9	22.3	43.2	18.5	24.6
39	100.0	18.6	12.8	3.1	2.8	36.1	6.2	7.4	22.5	45.1	19.0	26.1
1940	100.0	17.9	12.4	3.0	2.4	36.1	6.0	7.3	22.9	46.1	19.5	26.5
41	100.0	18.8	13.3	3.0	2.5	35.7	5.9	7.2	22.5	45.5	19.1	26.4
42	100.0	18.2	13.0	3.0	2.2	35.9	6.0	7.0	23.0	45.8	19.5	26.4
43	100.0	17.8	12.8	2.7	2.3	34.9	5.8	6.7	22.3	47.3	19.7	27.6
44	100.0	18.5	13.4	2.8	2.2	34.3	5.3	6.5	22.6	47.2	20.3	27.0
1945	100.0	17.5	13.1	2.4	1.9	34.5	4.9	6.6	22.9	48.1	20.5	27.5
46	100.0	17.9	13.4	2.5	2.0	33.9	5.0	6.4	22.5	48.2	20.6	27.6
47	100.0	17.8	13.8	2.2	1.8	33.3	4.7	6.2	22.4	48.9	20.9	28.0
48	100.0	16.6	12.7	2.3	1.6	33.0	4.2	6.2	22.6	50.3	21.3	29.1
49	100.0	16.6	12.7	2.3	1.6	32.1	4.0	5.9	22.2	51.3	22.0	29.3
1950	100.0	16.0	12.4	2.0	1.5	31.2	3.5	5.7	22.1	52.8	22.5	30.3
51	100.0	15.1	11.6	2.0	1.5	31.1	3.4	5.7	21.9	53.7	22.5	31.2
52	100.0	15.9	12.1	2.1	1.6	31.2	3.3	5.8	22.1	52.9	22.5	30.4
53	100.0	15.0	11.6	1.9	1.5	30.5	3.2	5.6	21.7	54.4	22.9	31.5
54	100.0	14.3	11.1	1.8	1.4	30.2	3.1	5.5	21.7	55.5	23.1	32.3
55	100.0	14.0	10.8	1.8	1.4	29.3	2.9	5.2	21.1	56.8	23.2	33.5

TABLE 16. Death Rates in Leading Age Groups, Canada, 1921-55
(per 1,000 population)

Year	Total	0-14				15-64				65+		
		Group Total	0-1	1-4	5-14	Group Total	15-29	30-44	45-64	Group Total	65-74	75+
1921	10.6	10.6			2.5	6.1	3.5	4.9	11.9	66.7	41.9	121.3
22	10.6	10.1			2.3	6.2	3.4	4.9	12.1	70.2	43.6	129.4
23	10.7	9.7			2.2	6.2	3.4	4.9	12.3	72.9	44.9	136.0
24	10.0	8.8			2.1	5.9	3.1	4.6	11.6	67.6	42.3	125.7
1925	9.9	8.5			1.9	5.7	3.1	4.4	11.4	68.2	42.5	127.7
26	11.4	11.3			2.1	6.3	3.4	5.1	12.2	73.0	45.4	137.1
27	10.9	10.7			2.4	6.2	3.5	4.9	12.2	68.3	43.1	126.9
28	11.1	10.1			2.2	6.5	3.5	5.1	12.7	71.9	45.1	134.3
29	11.3	10.5			2.3	6.5	3.6	5.1	12.7	72.5	46.1	134.2
1930	10.7	9.9			2.0	6.2	3.4	4.8	12.2	67.5	43.3	123.9
31	10.1	9.0	100.4	6.2	1.7	5.8	3.0	4.5	11.9	64.2	41.0	118.0
32	9.9	7.7	77.1	5.5	1.6	5.8	2.8	4.5	11.9	69.0	43.2	128.1
33	9.6	7.2	74.6	5.1	1.4	5.6	2.6	4.2	11.7	67.2	42.4	123.1
34	9.5	7.1	76.8	5.4	1.4	5.5	2.4	4.0	11.8	64.9	41.3	117.0
1935	9.7	7.2	75.5	5.5	1.5	5.6	2.5	4.2	11.8	66.5	42.0	119.7
36	9.8	6.8	70.9	5.0	1.5	5.7	2.6	4.2	12.0	67.4	42.5	120.9
37	10.3	8.0	83.0	6.6	1.7	5.8	2.5	4.3	12.4	68.0	42.3	122.8
38	9.6	6.8	70.3	4.8	1.5	5.4	2.3	3.9	11.7	65.5	41.3	116.5
39	9.7	6.4	65.3	4.3	1.4	5.4	2.2	3.7	11.8	68.2	42.3	123.0
1940	9.8	6.2	64.2	4.1	1.3	5.4	2.1	3.6	12.0	68.6	42.7	123.9
41	10.0	6.8	71.1	4.1	1.3	5.4	2.2	3.6	12.1	68.0	41.8	124.5
42	9.7	6.4	59.2	4.1	1.2	5.3	2.2	3.4	12.0	65.6	40.7	119.6
43	10.1	6.5	60.1	3.6	1.3	5.4	2.2	3.4	12.1	69.2	42.1	127.9
44	9.7	6.5	57.6	3.7	1.2	5.1	1.9	3.1	11.8	65.7	41.2	119.1
1945	9.4	5.9	56.6	2.8	1.1	5.0	1.8	3.1	11.6	63.9	39.8	116.6
46	9.4	6.0	41.3	2.9	1.1	4.9	1.8	2.9	11.4	63.1	39.4	114.3
47	9.4	5.9	50.8	2.5	0.9	4.9	1.7	2.8	11.5	62.7	39.4	111.9
48	9.3	5.4	48.2	2.4	0.9	4.8	1.6	2.8	11.5	62.8	39.1	113.1
49	9.2	5.2	43.3	2.3	0.9	4.7	1.5	2.6	11.4	62.7	39.5	112.0
1950	9.0	4.9	41.3	2.0	0.8	4.5	1.3	2.5	11.2	62.3	38.9	112.6
51	9.0	4.5	41.3	1.9	0.7	4.5	1.3	2.5	11.1	62.1	37.8	116.1
52	8.7	4.5	41.0	1.9	0.8	4.4	1.3	2.4	10.9	59.6	37.0	108.9
53	8.6	4.2	37.3	1.7	0.7	4.3	1.2	2.3	10.7	60.3	37.3	109.3
54	8.2	3.7	33.7	1.5	0.6	4.1	1.1	2.2	10.2	58.6	36.2	104.9
55	8.2	3.6	32.1	1.5	0.6	4.0	1.1	2.1	10.0	60.5	37.0	108.0

Statistics Canada Library
Bibliothèque Statistique Canada



1010014076