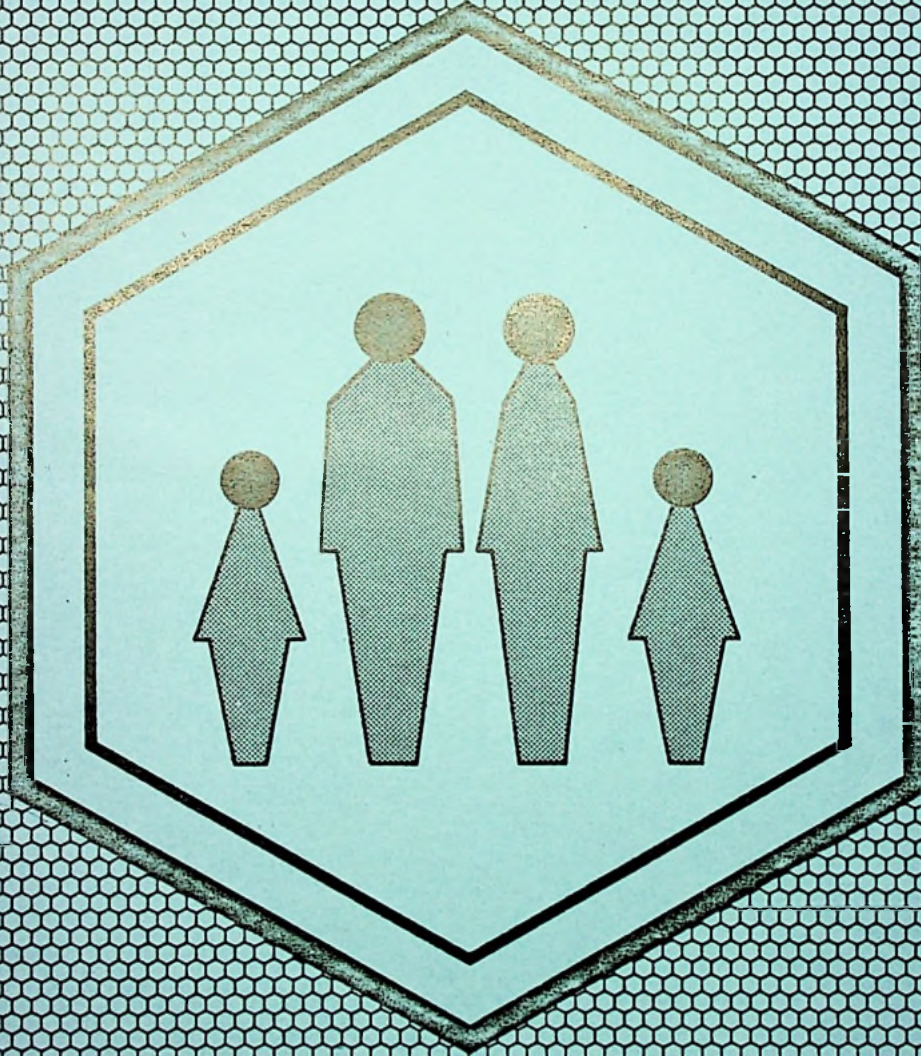


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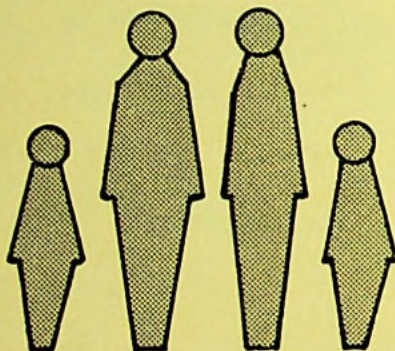
PREFACE

This paper, entitled "Planning Staff Study of Population Growth in Brant County and City of Brantford and a Population Forecast for the City of Brantford", was prepared by the City of Brantford Planning Department as one of a series of background documents to the Official Plan of the City of Brantford Planning Area. It identifies population characteristics, patterns and trends which have occurred at National, Provincial, County, and local municipal levels in an historical context extending from 1871 to the present, and based on this review, presents population forecast scenarios to year 2001 specifically for the City of Brantford. An introduction to possible implications, within a social context, of these forecast scenarios is also provided.

The information contained in this paper forms a basis from which the goals, objectives and policies relating to population growth prospects and to other municipal considerations, as stated in the Official Plan, are derived.

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PLANNING STAFF STUDY
OF
POPULATION GROWTH
IN
BRANT COUNTY AND CITY OF BRANTFORD
AND
A Population Forecast for The City of Brantford



- City of Brantford Planning Department

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PLANNING STAFF STUDY OF
POPULATION GROWTH IN BRANT COUNTY AND
CITY OF BRANTFORD (1871-1971)

-AND-

A POPULATION FORECAST FOR THE CITY OF BRANTFORD
* * * * *

I. PURPOSE:

The major purpose of this study is to review historical patterns of population growth and of changing demographic composition of resident populations within Brant County, and more particularly in the City of Brantford, in order to establish a data base from which scenarios can be developed for future population trends. To this end, the study will identify similar data for Canada and Ontario so that changes that have occurred in the County and City populations can be seen in perspective with those which have occurred in the Nation and Province. To facilitate comparison, all of the historical data contained in Appendix "A" has been derived from Statistics Canada Census Reports for the years 1871 to 1971 inclusive.

It is asserted that, with the combination of an awareness of past population trends along with an appreciation of more contemporary social indicators, one can more confidently approach formulating population predictions. By way of illustration, it has become clearly evident in recent years that predictions made in the 1960's and early 1970's regarding future population growth are no longer tenable since they were predicted on the assumption that the unprecedented and dramatic increases in population, being in part a product of the post World War II "baby boom" occurring during these years would continue; changes in fertility rates, foreign and inter-provincial migrations, social and economic conditions have since reversed these trends. Although the population projections contained in this study are similarly based on some of the more convincing information currently available, they must still be regarded as tentative and subject to further modification as trends become either better established or replaced due to social/economic change.

The population projections to year 2001 derived in this study for the City of Brantford are offered as possible guidelines from which general planning and social implications, arising from numerical and demographic change of future resident populations, can be reviewed. Such changes may, from time to time, require shifts to be made in Municipal policies, plans and programmes as they relate to employment opportunity, housing, education, recreation and other social service needs.

APPENDICES

- A. CENSUS OF CANADA POPULATION STATISTICS FOR CANADA, ONTARIO, BRANT COUNTY, CITY OF BRANTFORD - 1951-1976 (Table of Contents included).
- B. PROVINCIAL STATISTICS:
- Page 1 - Population Projections by Regions and Counties for years 1981, 1986, 1991, 1996, 2001 (excerpt from TEIGA DEMOGRAPHIC BULLETIN, OCTOBER 1978)
 - Page 2 - TOTAL FERTILITY RATES AND GROSS REPRODUCTION RATES, SELECTED YEARS 1921-1976 and PROJECTIONS to 2001
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- C. COHORT SURVIVAL STUDY FOR CITY OF BRANTFORD BASED ON 1976 RESIDENT POPULATIONS
- Page 1 - 1976 to 1986
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- D. POPULATION FORECASTS 1976-2001
- Page 1 - City of Brantford and other County Regions (Variable Growth Rates)
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 - Page 3 - Possible Age Group Structure of Future Resident and 4 Populations, City of Brantford
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II. GENERAL OVERVIEW OF POPULATION GROWTH TRENDS -
BRANT COUNTY BETWEEN 1871 and 1971 (Refer to Appendix "A")

According to census statistics published at ten-year intervals since 1871, Brant County has experienced continuous positive population increases over the 100-year period ending at 1971. During this period, resident populations of the County have tripled in size from 32,259 to 96,767 people. Most marked increases have occurred in the periods 1901 to 1921 (almost 40%) and 1941 to 1971 (almost 71%). It is worthwhile to note that population growth which has occurred in the 30-year period following 1951 was almost equal to that growth which occurred in the entire 70-year period prior to 1941.

Review of Tables A1, A2, and A3 of Appendix "A", which illustrate resident populations of the various constituent parts of Brant County during the 100-year period under study, reveals the extent to which populations have incrementally concentrated in urbanized areas of the County. These more urbanized areas, known as the Brantford Census Agglomeration (Brantford C.A.), which includes the City of Brantford, Paris and Brantford Township, have accounted for 54.6% of total County population in 1871, 78% in 1921, and 83% in 1971. The City of Brantford accounted for 25.1%, 55.1% and 66.6% respectively; it has remained the chief focus of population growth in the County for the 100-year time span. Past and more recent territorial annexations by the City of

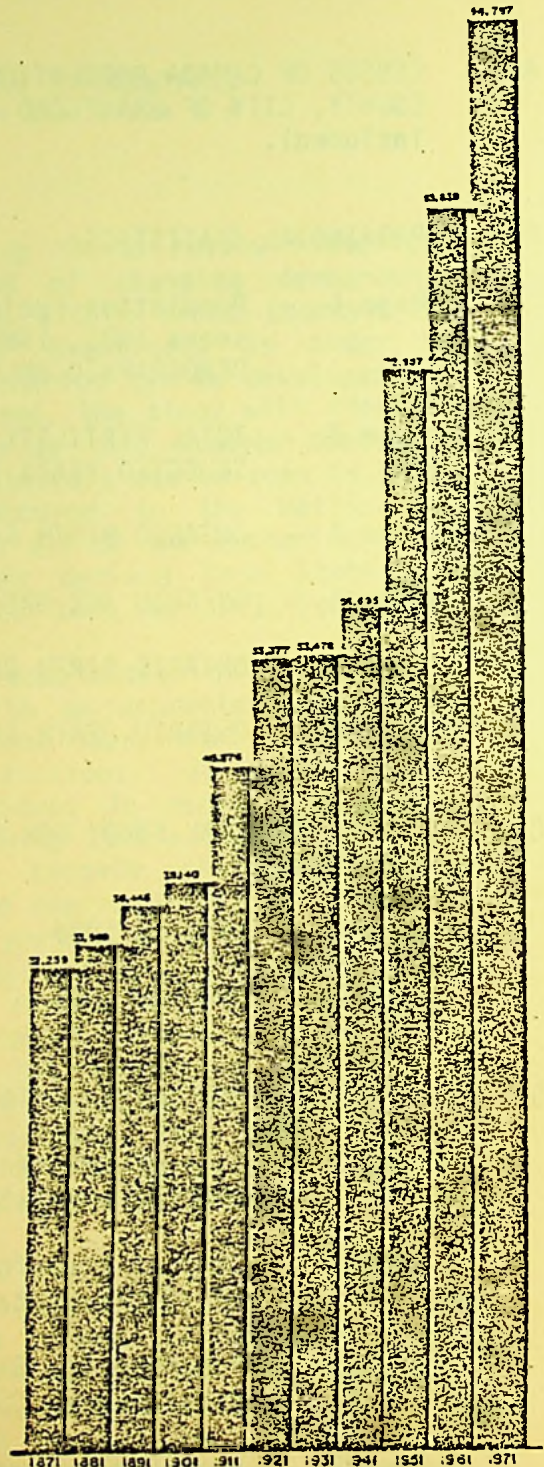


Figure 1 - BRANT COUNTY
POPULATION GROWTH
1871 -- 1971

Brantford are indicative of this urbanizing trend.

Figures 2 and 3 of this study provide graphical illustration of numerical and proportionate population change respectively, which have occurred within component areas of the County. From these illustrations the following observations can be made:

The Township of Brantford has consistently ranked second to the City of Brantford in terms of concentration of resident populations relative to Brant County as a whole. From a decline experienced at the turn of the century, population of this Township increased at a relatively constant growth rate until 1941, followed by a dramatic increase by 1951 to a level 3 times the population resident in 1901; this 1951 level was reduced by more than half by 1961 as a result of the territorial annexation of lands to the City of Brantford in 1955. The Township acquired its 1941 population level by 1971; however a small decline was experienced by 1976.

The Township of Burford experienced a fairly constant decline in population between 1871 and 1931 (a decrease of 30%); however, it subsequently acquired population in the following 40 years to a level in 1971 slightly more than its 1871 level. A modest decline followed in 1976. As a percentage of total County population, Burford Township has consistently declined over the 100-year period.

The population of South Dumfries Township experienced a pattern of decline similar to that of Burford Township, losing 24% of its 1871 population by 1941; it subsequently acquired population to a 1971 level modestly exceeding its former 1871 level. The 1976 Interim Census Report indicated that moderate growth has continued since 1971.

The population of Oakland Township has experienced moderately vacillating changes in population counts from 1871 to 1931; in the following 40-year period modest gains were experienced to 1971 whereby population increased by 63% from its 1931 level, but only 27% from its 1871 level. A small decline was again shown by 1976.

The Township of Onondaga experienced decline from 1871 to 1941, the 1941 population being less than half of the 1871 level. Modest increases have occurred since 1941; however, by 1971 the Township had not acquired its 1871 level, requiring a 43% increase to do so. The population of this Township according to 1976 data appears to be stabilizing.

The population of Indian Reserves within the County fluctuated between 1871 and 1941; the 1941 level is the lowest recorded over the 100-year time period. Since 1941, population increased to its most populous level in 1971, with a small decline experienced by 1976.

With the exception of modest declines experienced in 1891 and 1931, the Town of Paris has grown at a relatively constant, yet somewhat gradual rate since 1871, more than doubling in size by 1971. Prospects for continued gradual growth are revealed in 1976 figures.

Continuous positive population growth has occurred in the City of Brantford during the 100-year period under study, to a 1971 level equal to about 8 times its population in 1871. The Town of Brantford achieved city status in 1877. According to the census data, the City is the only area of the County which has consistently experienced population increase; City increases have offset declines in other areas of the County to the extent that the County as a whole has not shown losses in absolute numbers of people over successive ten-year intervals to year 1971. Most dramatic City increases occurred in the period of 1881 to 1921 wherein population was tripled, and in the period of 1941 to 1971 wherein population was doubled. The most significant 10-year period increase occurred between 1951 and 1961 wherein population increased by 1-1/2 times - this is greatly attributable to the 1955 annexation of lands from the Township of Brantford to the City of Brantford. Continued growth prospects were revealed in 1976 census data.

In general terms, those areas lying outside of the Brantford C.A., being predominantly rural in nature, experienced declines in population from 1871 to the period of 1931-1941, and increases following thereafter to 1971. It may be speculated that these areas, in view of their character and past population growth performances, may either continue to experience modest increases or stabilize without significant population increases or decreases occurring.

Those areas lying within the Brantford C.A., being primarily urban in nature, have experienced relatively consistent and positive population growth over the 100-year period. It would appear that continued Brant County population growth will tend to concentrate in the Brantford C.A., most predominately in the City of Brantford. In view of more recent territorial annexations there would appear to be the possibility of future population growth trends in the Township of Brantford to more closely approximate the rural pattern of growth of areas lying outside of the Brantford C.A. Given the past performance of urbanized areas in offsetting population declines in other areas of the County, it may be anticipated that this trend may continue and Brant County as a whole will continue to experience positive population growth, however at a reduced rate relative to the rates of growth occurring in the 20-year period immediately prior to 1971.

Figure 2 - POPULATION GROWTH IN CONSTITUENT MUNICIPALITIES
OF BRANT COUNTY 1871-1971

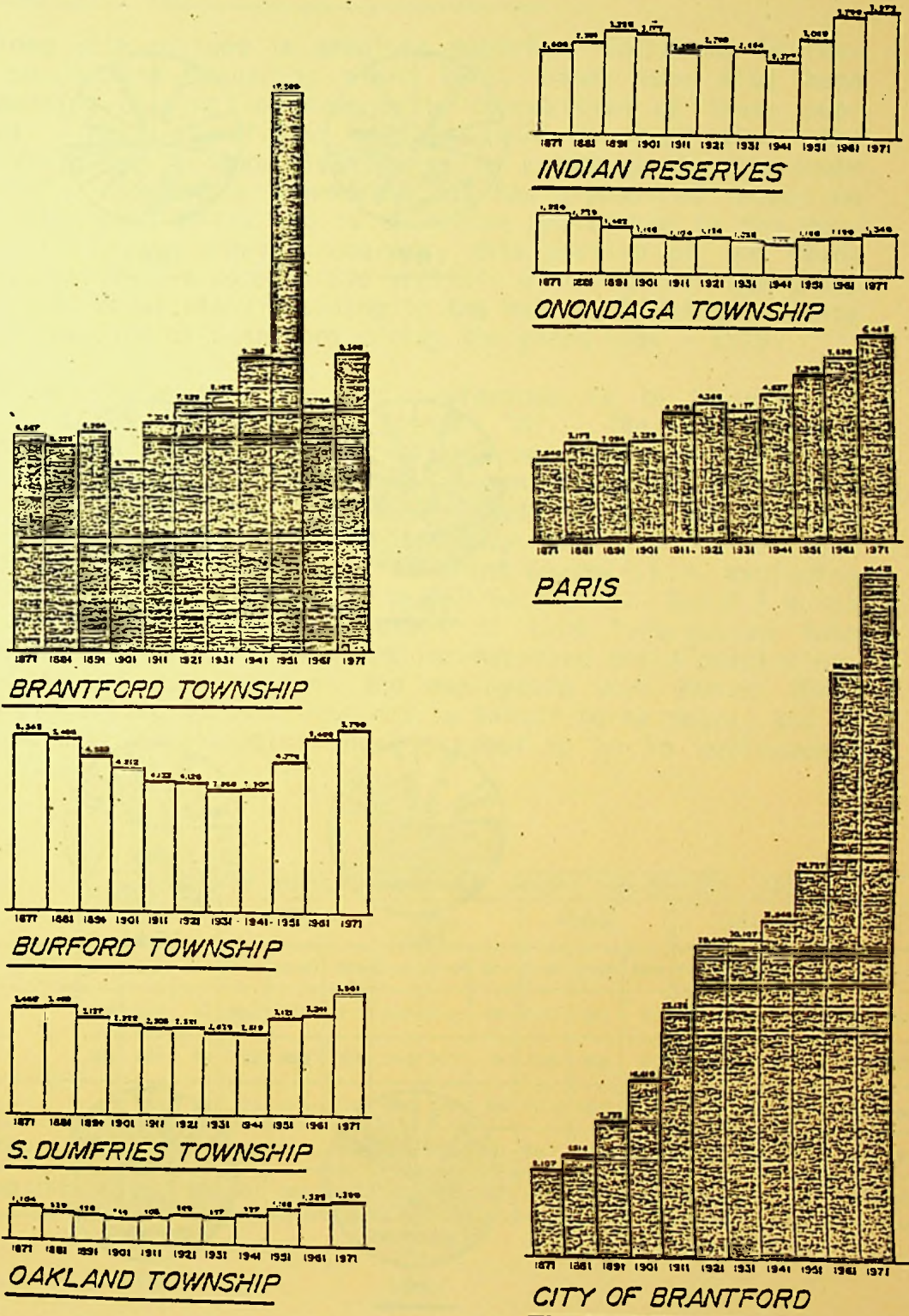


Figure 3 - DISTRIBUTION OF POPULATIONS WITHIN BRANT COUNTY

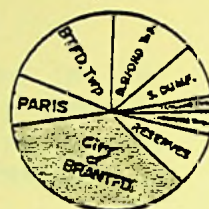
1871 - 1971



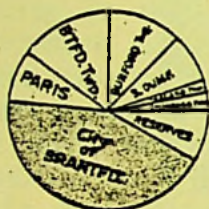
1871



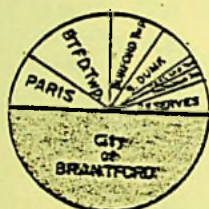
1881



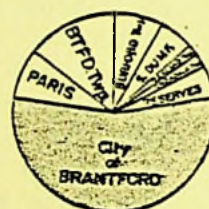
1891



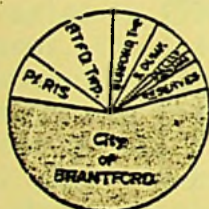
1901



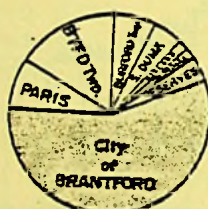
1911



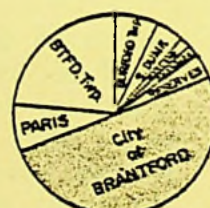
1921



1931



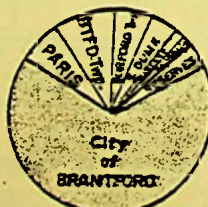
1941



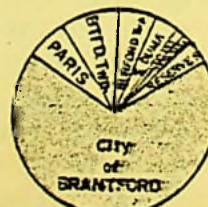
1951



1961



1971



1976

III. ANALYSIS OF AGE GROUP STRUCTURE OF RESIDENT POPULATIONS - BRANT COUNTY AND CITY OF BRANTFORD 1951 - 1976

Along with changes in absolute numerical increases in resident populations occurring since 1871, there have also been corresponding changes in demographic composition of these populations. Most significant changes have occurred since the Second World War in what has come to be known as the "post-war baby-boom". Since this phenomenon has had pronounced impact on now-existing populations and is therefore applicable in the development of future growth scenarios, this portion of the study confines itself to a comparative analysis of changes in age group structure of populations residing in the Nation, Province, County of Brant and City of Brantford during the years 1951 - 1976.

To facilitate this analysis, reference is to be made to TABLES B1 to B6 inclusive of Appendix "A". The data therein presented is further refined for Ontario and Canada in TABLES C1 to C6, with graphical illustrations of same shown as "population pyramids" in TABLES C7 to C12. Similar sets of data and diagrams for populations of Geographic Brant County, the City of Brantford and the remaining Municipalities of Brant County (i.e. excluding the City) are shown in TABLES D1 to D12 inclusive. TABLE 1 which follows, represents a condensation of this information into broader age categories: 0-19 years representing child populations presumed to not have been in the employable work force; 20-64 years representing those in the active labour force years, and 65 years and over representing those assumed to be in retirement:

		PERCENTAGE POPULATION OF AGE GROUPS PER DEFINED AREA																	
		1951			1956			1961			1966			1971			1976		
AREA	AGE GROUP	0-19	20-64	65+	0-19	20-64	65+	0-19	20-64	65+	0-19	20-64	65+	0-19	20-64	65+	0-19	20-64	65+
CANADA		38.0	54.3	7.7	39.6	52.7	7.7	41.9	50.5	7.6	42.2	50.1	7.7	39.4	52.5	8.1	35.8	55.5	8.7
ONTARIO		33.9	57.5	8.6	36.3	55.3	8.4	39.2	52.7	8.1	40.3	51.5	8.2	37.9	53.7	8.4	34.9	56.1	9.0
BRANT COUNTY		34.5	56.2	9.3	37.1	53.2	9.7	39.2	51.0	9.8	40.4	50.0	9.6	37.9	52.4	9.7	35.2	54.3	10.5
CITY OF BRANTFORD		31.1	58.8	10.1	35.6	54.6	9.8	37.6	52.3	10.1	38.7	51.2	10.1	36.0	53.7	10.3	34.0	55.3	10.7
COUNTY EXCLUDING CITY		38.1	53.6	8.3	40.1	50.5	9.4	42.3	48.7	9.0	43.5	47.9	8.6	41.5	49.5	9.0	37.8	52.5	9.7

Table 1 - Age Composition of Municipalities and Regions 1951-1976

DEPENDENCY RATIOS OF 0-19 YEARS (CHILD) AND 65 YEARS+ (AGED) COMPARED TO ACTIVE LABOUR FORCE POPULATION (20-64) AS PER DEFINED AREA												
	1951		1956		1961		1966		1971		1976	
	CHILD	AGED	CHILD	AGED	CHILD	AGED	CHILD	AGED	CHILD	AGED	CHILD	AGED
CANADA	0.697	0.143	0.756	0.147	0.827	0.151	0.839	0.153	0.750	0.154	0.646	0.157
ONTARIO	0.589	0.152	0.658	0.152	0.745	0.155	0.781	0.158	0.706	0.156	0.621	0.159
BRANT COUNTY	0.515	0.165	0.698	0.183	0.766	0.190	0.807	0.192	0.725	0.188	0.647	0.193
CITY OF BRANTFORD	0.530	0.173	0.653	0.181	0.716	0.193	0.758	0.198	0.673	0.192	0.614	0.195
COUNTY EXCLUDING CITY	0.711	0.157	0.795	0.188	0.870	0.183	0.909	0.181	0.839	0.181	0.720	0.186

Table 2 - Dependency Ratios 1951-1976

In general terms, the population demographic profiles for Ontario and Canada are quite similar throughout the 25-year period ending in 1976, although the Province has exhibited continued higher proportions of residents within the active labour force years. This discrepancy has progressively narrowed during the period from a 3.2% difference in 1951 to only a 0.6% difference in 1976. The Province has had consistently lower proportions of younger population in the 0-19 year age category; however, this discrepancy has similarly narrowed from a 4.1% difference in 1951 to a 0.9% difference in 1976.

One of the most significant changes which has occurred during the period for both Nation and Province is the progressive decline in the birth rate which followed the 1961 Census. From 1951 to 1961, the 0-4 year old age group was the largest of any other 5-year group category, ranging from 12.3% and 11.2% of National and Provincial population respectively in 1951 to 12.4% and 11.9% respectively in 1961. These proportions declined thereafter to a 7.5% and 7.3% respectively in 1976. As a result of this phenomenon, the 15-19 year age group became the largest 5-year category in 1976. This occurrence bears witness to the phasing-out of the post-war "baby-boom" trend partially attributable to increasingly wide-spread practice of birth control. Analysis of the data would appear to suggest the hypothesis that populations of the Nation and Province are and will continue to be increasingly characterized by significantly larger proportions of adult populations. There appears to be established a trend whereby resident populations in or approaching retirement age (i.e. 65 years and over) have sequentially increased; increases in absolute numbers of people coupled with decline in mortality rates influence the continuance of this trend. The dependency ratio of the aged (i.e. the numbers of people over 65 divided by the number of adults in active labour force years of 20-64 years)

at a national level has sequentially increased from 0.143 to 0.157 and at a Provincial level of 0.152 to 0.159 from 1951 - 1976. The dependency ratio for children (i.e. the number of children 0-19 years divided by the number of adults in active labour force years of 20-64 years) at the National level rose from .697 in 1951 to 0.839 in 1966 then declined to 0.646 in 1976; similarly, the Provincial child dependency ratio rose from 0.589 in 1951 to 0.781 in 1966, then declined to 0.621 in 1976. These comparisons indicate that the aged have become more increasingly reliant on active work force populations than have child populations. Although there has been speculation that child populations may again substantially increase as those who have delayed child bearing to later years begin their families, dramatic future reversals in child/aged dependency is questionable given the size and age composition of populations existing in 1976.

The demographic profiles of residents in Brant County during the 25-year period are somewhat at variance with the National and Provincial profiles in that the proportion of population aged 65 years and over has been consistently higher; child populations have been fairly consistent with Provincial composition, however below National proportion. The overall pattern and changes in 5-year age-group categories over the period for County populations are similar to those occurring at the National and Provincial level. Whereas Canada and Ontario showed changes in fertility since 1961 and 1966 respectively, the County did not show marked decreases in 0-4 years old population until 1971. Child populations aged 0-4 years have consistently declined as a proportion of total County population from 11.8% in 1951 to 7.5% in 1976; in absolute terms, these populations increased by about 1000 in the period 1951-1966, then dramatically declined by over 2000 in the following 10-year period. Child and aged dependency ratios for the County have been consistently higher than those of the Province owing to relatively smaller proportions of adults in the 20-64 year age range. In comparison to National dependency ratios, County child ratios have been consistently lower yet more closely approximating National dependency by 1976; aged dependency ratios have been consistently higher. The County however reflects National and provincial trends in age dependency in that aged dependency ratios (with the exception of 1971) have increased whereas child dependency ratios increased to 1966 and declined thereafter.

Demographic profiles for the City of Brantford indicate that during the 25-year period under study, the City has had consistently lower proportions of children aged 0-19 years, and higher proportions of adults aged 65 years and over, than the Nation, Province, and County. As demonstrated for the County, the City, did not show a marked decrease in fertility until 1971; however, as a proportion of City population, those aged 0-4 years

declined since 1956 from 11.0% to 7.7% in 1976 (this 1976 proportion yet was somewhat higher than the Nation's 7.5% and the Province's 7.3% proportion). Aged dependency ratios for the City have increased over the period between 1951 and 1976 and furthermore have been consistently higher than those of the Nation, Province and County. Census figures reveal that there has been an incremental concentration of adults aged 65 years and over within the City as compared to outlying areas within the County: a 55.2% City share of county seniors has increased to a 69.7% share by 1976; the most significant share increase (12.3%) occurred in 1951 - 1956 which may be attributed to the 1955 territorial annexation from the Township of Brantford to the City. This annexation appears to have significantly altered the composition of outlying County regions. Senior populations within the City have almost doubled since 1951. Child dependency ratios reflect National, Provincial and County trends (i.e. increasing until 1966 and subsequently decreasing).

Analysis of profiles for combined County Municipalities excluding the City of Brantford indicates that there has been consistently higher proportions of children aged 0-19 years than any of the other areas (including the County as a whole) under study; child dependency ratios have also been similarly consistently higher, although experiencing declines since 1966 similar to those occurring in the other study areas. Aged dependency ratios have generally been consistently higher than those of the Province and Nation yet lower than those of the County as a whole and of the City of Brantford. It is interesting to note that the proportion of adults in the 20-64 year old range has consistently been the lowest in comparison to the same proportion of the other areas under consideration. The demographic composition of these areas excluding the City during the 25-year period appear to more closely approximate the National profiles than the other areas under study, especially with regards to child populations.

In general terms, census statistics for the 25-year period from 1951-1976 reveal that all areas under consideration have experienced similar demographic shifts in resident population primarily influenced by the post-war "baby-boom" phenomenon and subsequent reduced fertility combined with longer life expectancy. Trends are appearing to be established whereby the aged (over 65 years) are now becoming increasingly more dependent on those in the active labour force years (20-64 years) than children aged 0-19 years; this reversal from higher child dependency has occurred since 1961. As the "baby-boom" populations advance in age, and if there are no dramatic reversals in fertility and/or mortality rates, it may be anticipated that child dependency will further decline or remain relatively stable

whereas aged dependency will continue to rise. The figures appear to indicate that this prospectus may be of particular concern to the City of Brantford.

IV. POPULATION PROJECTIONS FOR BRANT COUNTY AND CITY OF BRANTFORD TO YEAR 2001

In basic terms, increases in resident populations of any given Community are dependent upon two factors, (1) natural increase (live births minus deaths) and (2) migration from other communities. These two factors are influenced by a host of social and economic variables ranging in scope from localized to worldwide characteristics and conditions. Population prediction can therefore become quite a sophisticated and complicated exercise.

The approach taken to population prediction in this study is to develop growth scenarios based upon past trends and current characteristics of resident populations in combination with information supplied by other agencies developed through computerized modelling techniques. To this end, recourse was made to information published by the Ontario Ministry of Treasury, Economics and Intergovernmental Affairs (TEIGA). This Ministry has established a system for monitoring population change within the Province of Ontario, and for forecasting growth rates for the whole Province disaggregated into anticipated assignments for Regions and Counties. The initial results of the Provincial Study were published in a document entitled "Ontario's Changing Population", Volumes I and II in March 1976. Since that time the Ministry has published Demographic Bulletins on a regular basis. In the October 1978 publication of this Bulletin were presented revised population forecasts, reflecting more recent vital statistics and migration trends, for the Province, Regions and Counties. An excerpt from this bulletin pertaining to the Brant County forecast is included as Page 1 in Appendix "B" of this Report.

Since the Assumptions made in the development of this Provincial forecast appears to be generally accepted, and since such forecasts are used in the development of Provincial policies and programmes, it was felt that the forecast constructed for Brant County could provide a useful framework within which population prediction could be made for the City of Brantford. The County forecast was disaggregated into various municipal component parts through the development of population growth rate percentages based upon analysis of past growth performance and future capability. The results of this exercise, using 1976 Census figures as a base, are shown in Table 3 on the next page.

TABLE 3: Possible Distribution of Population Increase-Brant County 1976-2001

YEAR AREA	1976 Census	1981	1986	1991	1996	2001	Cumulative Annual Growth Rate
(A) Brant Cty.	99,099	105,800	112,694	119,245	124,988	129,852	1.09%
Brantford C.A.	82,800	89,376	96,145	102,611	108,269	113,048	1.25%
City of Brantford	66,950	75,420 (1.7%)	81,693 (1.615%)	87,829 (1.461%)	93,145 (1.182%)	97,770 (0.974%)	1.306% ⁺
Township of Brantford	9,137	6,830 (0.6%)	7,037 (0.6%)	7,142 (0.3%)	7,252 (0.3%)	7,286 (0.1%)	0.32% ⁺
Paris	6,713	7,126 (1.2%)	7,415 (0.8%)	7,640 (0.6%)	7,872 (0.6%)	7,992 (0.3%)	0.70%
Remaining Municipal- ities	12,446	12,541 (0.15%)	12,636 (0.15%)	12,701 (0.1%)	12,766 (0.1%)	12,831 (0.1%)	0.12%
Indian Reserves	3,853	3,883 (0.15%)	3,913 (0.15%)	3,933 (0.1%)	3,953 (0.1%)	3,973 (0.1%)	0.12%

(A) Source: TEIGA Demographic Bulletin, October 1978

NOTE: Percentages shown in brackets denote anticipated annual growth rate during preceding 5-year interval.

* includes adjustment for City annexation as of January 1, 1981.

+ overall growth rate applies only to period 1981-2001 (after annexation).

It is to be noted that continuous positive growth rates have been developed for each of the defined areas. While it is acknowledged that there is implied optimism in these figures and that there will undoubtedly be vacillation between positive and negative growth trends in the future, the figures do reflect the generally accepted premise that population growth rates will sequentially decline to year 2001 owing to anticipated declines in fertility and in-migration patterns. The historical trend for populations in Brant County to become increasingly urbanized is also reflected in these figures: Brantford C.A. as a percentage of total County population is expected to rise from 83.5% in 1976 to 87.0% in 2001; the City of Brantford proportion is expected to rise from 67.5% to 75.3% respectively.

Adjustments have been incorporated within this forecast to take into account the 1981 territorial annexation of lands to the City of Brantford from the Township of Brantford. It is interesting to note, that, without taking into account this annexation the overall growth rate of the City of Brantford from 1976 to 2001 using the subject forecast scenario, was 1.4% per annum; this rate is the same as derived by the 1980 Grand River Conservation Authority Management Study in its medium range population projection for the City, which similarly did not take into account the said 1981 annexation. Approximately 2568 people became residents of the City as a result of this annexation.

Interim yearly forecasts for the constituent areas, derived by using the same methodology as was applied in the above table, are shown in Appendix "D" of this report. The application of both variable and fixed percentage growth rates is illustrated.

The differential between the application of fixed and variable growth rates for the City of Brantford is demonstrated in Figure 4.

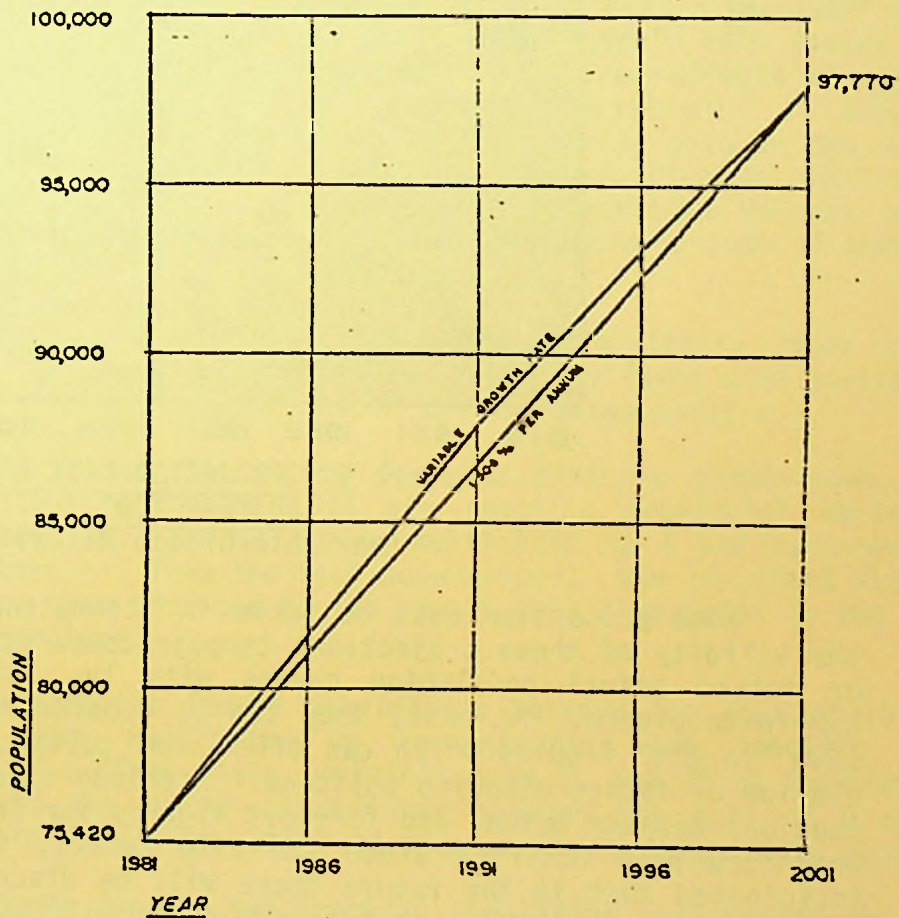


FIGURE 4
COMPARISON OF FIXED AND VARIABLE GROWTH
RATE PROJECTION OF POPULATION
CITY OF BRANTFORD
1981 - 2001

The application of variable forecast growth rates for the City of Brantford results in the graphic profile shown in Figure 5:

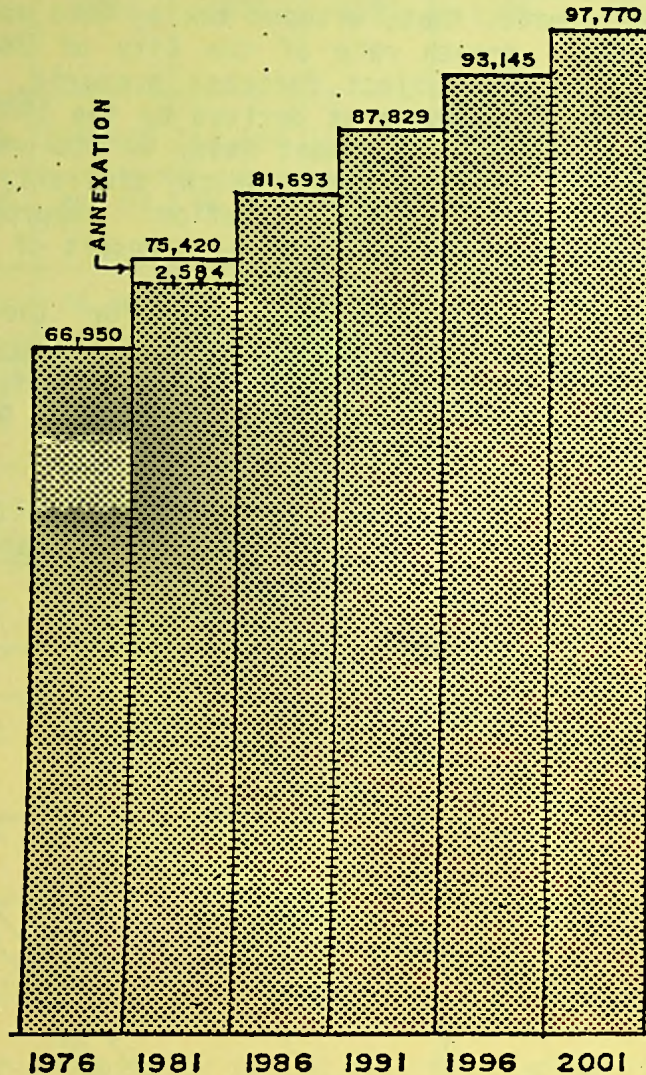


Figure 5 - PROJECTED CITY GROWTH
TO YEAR 2001
(variable Growth Rates)

Some precaution must be taken in attempting to establish the validity of these projections through comparison of existing or future actual population counts with the forecast figures herein developed. At best, they can be considered to be tentative "target" figures which can offer some guidance in the formulation of future planning policies. Although some close approximations between actual and forecast figures for Brant County and Brantford have occurred since the 1976 Census, it may be well anticipated that in the future there will be discrepancies which may necessitate further review and re-formulation of the projections developed at this time.

V. POTENTIAL AGE GROUP STRUCTURE OF FUTURE RESIDENT POPULATIONS IN THE CITY OF BRANTFORD

The preceding tabulations, although illustrating the extent to which the Provincial Government expects population to increase within the County of Brant and the City of Brantford, give no indication of the extent to which its age group structure might change from that which existed in 1976.

The following analyses represent the methodology used by Planning Staff to arrive at possible future demographic profiles for projected populations. This methodology is based on the equation:

NATURAL INCREASE (Cohort Survival)	+	IMPLIED MIGRATION	=	PROJECTED POPULATION
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A. NATURAL INCREASE - COHORT SURVIVAL:

In order to examine the potential age group composition of the City population, and the extent to which the population increase might be dependent upon migration, a "cohort survival" study was made using the results of Statistics Canada's 1976 Census as a base. Such a study is used to measure only the effects of natural increase generated by a known resident population; it does not take into account that residents will be moving into or out of the area under consideration. Through the application of anticipated birth and mortality rates, demographic composition changes occurring within the known population over projected periods of time can be assessed.

Since there were no local birth and mortality rates available, the 1976 Provincial Birth and Mortality Rates were applied to 1976 City resident populations in the following manner:

- 1976 Census Statistics for age specific populations were multiplied by the 1976 age specific Provincial mortality rates, this product being multiplied by 5 and subsequently subtracted from the base populations; the resultant figures were then advanced to the next 5-year categories in the 1981 projection.
- Age specific female populations between the ages of 15 and 49 were multiplied by corresponding age specific 1976 Ontario birth rates, multiplied by 5, and added together to yield the number of children between the ages of 0 and 4 years in 1981. Still births were not taken into account.
- Figures for the age specific population projections for 1981 were subsequently added to yield a total projected population for 1981.

- The above methodology was repeated for further 5 year projection, using preceding 5 year figures as a basis.
- Appropriate adjustments were made to reflect the 1981 City Annexation.

The 1976 fertility rate for Ontario was 1.77. Although the calculations made in these projections do not take into account a forecast decline in fertility (Ontario: 2001 projected fertility rate = 1.5) the difference was not considered overwhelmingly significant for the purpose of this study.

The fertility, gross reproduction, birth and age specific mortality rates utilized for the study are shown in Appendix B".

The results of the Cohort Survival Study are tabulated in the tables contained in Appendix "C". Graphic illustration of these results are shown as part of the possible age group structure of future resident populations shown in Appendix "D".

In a condensed form, the following table illustrates the changes in population numbers and composition attributable to natural increase (births minus deaths) of 1976 resident populations, without taking into consideration in- or out-migration of residents:

TABLE 4:

Cohort Survival Study
Future Populations Owing to Natural Increase of
1976 Resident Population
City of Brantford : 1976 - 2001 (Assumes no
residents moving into/out of City)

Characteristic Age Group	Y E A R					
	1976*	1981	1986	1991	1996	2001
0 - 4	5,185	5,079	5,470	5,470	5,113	4,781
5 - 14	11,335	10,731	10,274	10,332	10,767	10,423
15 - 19	6,195	6,295	5,470	5,318	4,958	5,408
20 - 39	19,895	23,320	25,058	24,464	23,239	21,787
40 - 59	13,990	14,522	14,857	16,943	19,830	22,492
60 - 64	3,100	3,219	3,622	3,343	3,099	3,135
65 - 74	4,380	5,151	5,543	5,926	6,043	5,486
75 & over	2,840	3,218	3,621	4,179	4,416	4,858
TOTAL	66,950	71,535	73,915	75,975	77,465	78,370

1976 Census Figures Rounded - Do Not Add to Total Shown.

1981 annexation included in 1981 figures onward.

TABLE 5: Cohort Survival Study
 Changes Owing to Natural Increase of 1976
 Resident Population
 City of Brantford : 1976 - 2001

	1976	Y 1981	E 1986	A 1991	R 1996	2001
POPULATION	66,950	71,535	73,915	75,975	77,465	78,370
GROWTH OVER PRECEDING 5 YEARS	+2,530	* +4,585	+2,380	+2,060	+1,490	+905
% GROWTH OVER PRECEDING 5 YEARS	+3.9%	* +6.8%	+3.3%	+2.8%	+2.0%	+1.2%
AVERAGE ANNUAL INCREASE OVER PRECEDING 5 YEARS	+506	* +917	+476	+412	+298	+181

* Includes 1981 City Annexation

B. IMPLIED MIGRATION:

If the City of Brantford is to achieve the population projections shown in Table 3, Page 10 of this report, it will be necessary for the City to attract new residents over the forecast period; natural increases of existing populations alone are not expected to achieve these projected levels. While it is recognized that residents will both move out of and into the Community, and that future new residents to the Community may contribute to rates of natural increases, some indication of the number of new in-migrating residents required to meet projected levels can be found in comparing these levels with projected natural increase based on 1976 populations - i.e. implied in-migration. Such is demonstrated in the following table.

TABLE 6: IMPLIED MIGRATION OF NEW RESIDENTS INTO CITY OF BRANTFORD FROM 1976 TO FORECAST YEAR 2001.

YEAR	COHORT "A" SURVIVAL PROJECTION	TOTAL "B" FORECAST PROJECTION	IMPLIED "C" IN-MIGRATION
1981	71,535	75,420	3,885
1986	73,915	81,693	7,778
1991	75,975	87,829	11,854
1996	77,465	93,145	15,680
2001	78,370	97,770	19,400

"B" - "A" = "C"

A graphical illustration of this implied migration is shown as follows:

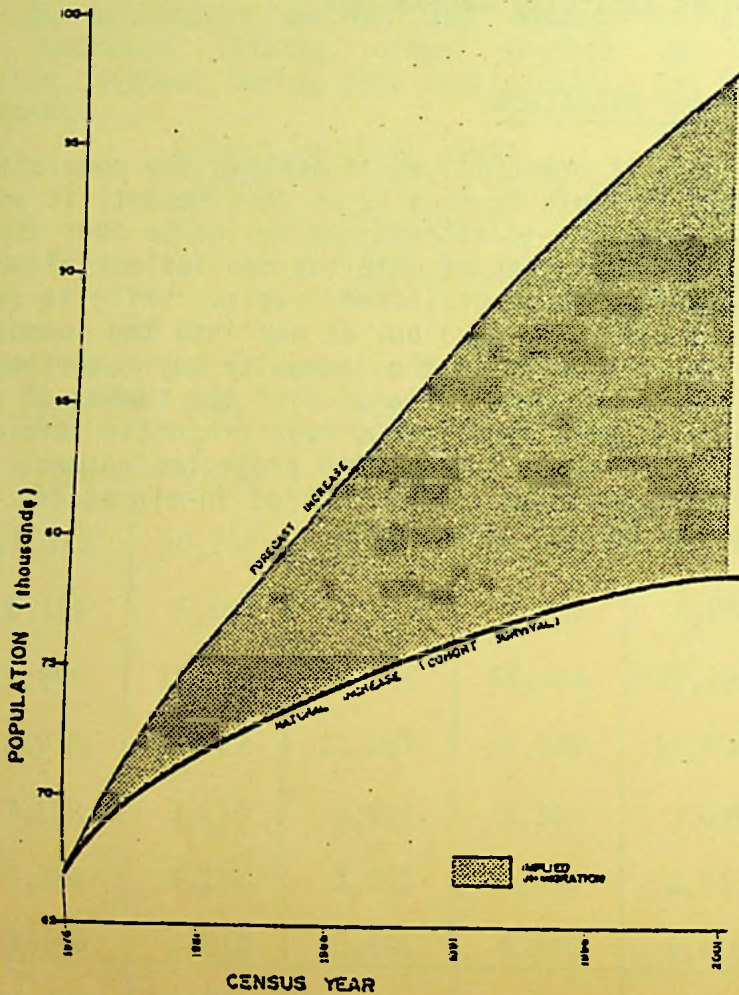


Figure 6: ILLUSTRATION OF IMPLIED MIGRATION CITY OF BRANTFORD: 1976 - 2001

The foregoing table reveals that from year 1976, the City will require 11,854 new residents as a result of in-migrating populations (including births produced by these populations) by year 1991, and 19,400 new residents by year 2001.

Illustrated below is a table showing the average annual increase required to ultimately achieve a population of 97,770 between 1981 and year 2001 at each intervening Census Year:

TABLE 7 : PROJECTED ANNUAL POPULATION INCREASES
FOR CITY OF BRANTFORD TO YEAR 2001

TIME FRAME	AVERAGE ANNUAL NATURAL INCREASE "A"	AVERAGE ANNUAL IN-MIGRATION "B"	AVERAGE ANNUAL INCREASE "C"
1976-1981 *	403	777	1180
1981-1986	476	779	1255
1981-1991	444	797	1241
1981-1996	395	786	1181
1981-2001	342	775	1117

* 1981 Annexation Discounted "A" + "B" = "C"

C. FUTURE AGE GROUP PROFILES:

As previously noted, the combination of changes in resident populations owing to natural increase and to anticipated in-migration of residents will yield some expectations regarding the characteristics of future populations.

There is no real basis for determining the age group structure of the implied in-migrating population, but, on the assumption that it will have a similar age group profile as the age group profile that has been developed from the Cohort Survival population projection, the age group composition for total City resident populations at each 5-year (Census) interval between 1976 and 2001 would be as tabulated and illustrated in Appendix "D".

The age group tabulations in Appendix "D" can be aggregated into population groups which represent the following characteristics:

- (a) 0 to 4 years: Pre-school age group
- (b) 5 to 14 years: Elementary School age groups
- (c) 15 to 19 years: High School, and entrance to the labour force age group
- (d) 20 to 39 years: Youngest part of labour force, and majority of child-bearing population
- (e) 40 to 59 years: Experienced labour force, and termination of the fertility range
- (f) 60 to 64 years: Labour force termination age group
- (g) 65 to 74 years: Younger Senior Citizens, capable of self support
- (h) 75 and over: Senior Citizens possibly requiring assistance

The populations falling within these characteristic age group agglomerations are illustrated at 5-year intervals in the following tables:

TABLE 10
PROJECTED AGE GROUP CHANGES
ACCORDING TO SELECTED INTERVALS
1976 - 2001
CITY OF BRANTFORD

Characteristic Age Group	I N T E R V A L					
	1976- 1981	1981- 1986	1986- 1991	1991- 1996	1996- 2001	1976- 2001
0 - 4	+170	+690	+279	-176	-184	+779
5 - 14	-22	+42	+590	+1002	+56	+1668
15 - 19	+442	-592	+103	-187	+785	+551
20 - 39	+4692	+3107	+588	-338	-764	+7285
40 - 59	+1320	+1110	+3166	+4259	+4215	+14070
60 - 64	+294	+609	-139	-138	+185	+811
65 - 74	+1040	+698	+722	+415	-421	+2454
75 and over	+554	+609	+827	+479	+753	+3222
TOTALS	+8490	+6273	+6136	+5316	+4625	+30820

The following observations can be made in reviewing the projected demographic profiles illustrated in the foregoing tables:

The numbers of pre-school aged children is expected to reach a peak in 1991, thereafter experiencing modest decline to year 2001; however, as a percentage of total population this group is expected to decline by 1981, followed by a relatively small increase to 1986 and thereafter continue to decline for the remainder of the forecast period.

With the exception of a modest decline in 1981, elementary school populations are expected to increase over the forecast period, yet decline as a proportion of total population (by approximately 3.7%).

High School aged populations will experience successive increases and decreases during the 5-year periods, reaching a peak in year 2001 at a level of 550 above that of 1976; as a proportion of total population, this group is to decline to 1996 followed by a moderate increase in year 2001.

The 20-39 year age group will experience numerical increases to year 1991; this approximate total increase of 8,400 from 1976 will be followed by relatively very modest decreases to year 2001; as a percentage of total population, this group will peak in 1986 and thereafter decline to below the 1976 percentage in year 2001.

The 40-59 year age group is expected to more than double over the forecast period with most dramatic increases (by over 4,200 people) experienced in the periods 1991-1996 and 1996-2001; as a percentage of total population this group is expected to decline to 1986, thereafter increasing substantially to year 2001.

The 60-64 year age group will increase in numbers to 1986 thereafter remaining relatively stable to year 2001; as a percentage of total population this group will be largest in 1986 and thereafter decrease to below the 1976 proportion by 2001.

The number of people in the 65-74 year age group will increase by 2,875 people in the period 1976-1996, thereafter declining to year 2001; as a percentage of total population, the group will be largest in the years 1991-1996.

Those 75 years of age and over will more than double by year 2001 and will substantially increase as a percentage of total population over the forecast period.

Reflected in these formulated demographic profiles is support for the generally accepted hypothesis that resident populations within our society will tend to be characterized by increasingly larger proportions of people in their working adult and retirement years, i.e. our populations are aging. The above profiles reveal that child populations (0-19 years) are expected to increase by about 3,000 residents over the forecast period (a 13.1% increase over the 1976 child populations); retirement populations are expected to increase by about 5,675 residents over the same period (a 78.5% increase over 1976 retirement populations). Most significant changes are expected in the 40-59 year age group and the 75 and over age group: these groups will more than double in size by 2001. The impact of these demographic changes upon child/aged dependency on active work force populations (20-64 years) is shown in the following table.

TABLE 11 : PROJECTED DEPENDENCY RATIOS RELATIVE TO
ANTICIPATED POPULATIONS IN ACTIVE LABOUR FORCE
YEARS (20-64 YRS)
CITY OF BRANTFORD : 1976 - 2001

	Y E A R					
DEPENDENCY RATIO	1976	1981	1986	1991	1996	2001
CHILD	.614	.538	.487	.472	.451	.435
AGED	.195	.204	.211	.226	.226	.218
TOTAL	.809	.742	.698	.698	.677	.653

INTERPRETATION EXAMPLE (1976) : 614 Children (0-19 yrs) + 195
Seniors (65 yrs.+) = 809 Persons
Dependent on every 1000 People
Aged 20-64 yrs.

From the above table it can be seen that child dependency will decline as aged dependency increases; however, overall dependency on active work force populations is expected to decline owing to incremental swelling of adult populations between 20-64 years, particularly in the 40-59 year age group which will eventually dramatically change aged dependency ratios after the present forecast period.

In having developed numerical (SECTION IV) and demographic composition changes (SECTION V) for the City of Brantford to year 2001, it is now possible to analyze the implications of these scenarios if used as guidelines for future planning considerations for the Community. The following Section of this report is offered as an introduction to such analysis.

FUTURE PLANNING CONSIDERATIONS FOR THE CITY OF BRANTFORD

The preceding study of past and possible future population change within the City of Brantford can be of some assistance in both physical and social planning for the community. It can be used in considerations of future land-use proposals and can provide a framework within which possible need for change in existing Municipal and other public agency policies and programmes can be assessed.

This Study has indicated the evident slowdown of population increase within the Nation, Province and local Municipalities. The Ministry of Treasury, Economics and Intergovernmental Affairs demographic studies have indicated the relatively-recent, and dramatic, change in migration trends within the Province. Even though the Ministry's current forecast of population increase within the Province and its assignment to Brant County is considerably less than previous forecasts (as well as those made by local Planning Staff and Planning Consultants), the comparison between the Ministry's most recent forecast, disaggregated and extended to the year 2001, and the Cohort Survival Study herein formulated, indicates that the 97,770 projected population of the City of Brantford can only be attained if there is a considerable in-migration of population, or, if startling changes occur in the current birth and mortality rates.

In the event that the current birth and mortality rates remain substantially the same as those used for the Cohort Survival Study, and the in-migrating population is composed of an age group structure fundamentally similar to the population profile derived from that Study, it is possible to outline some of the impacts upon, and adjustments that may need to be made to, current policies and programmes with respect to Employment Opportunity, Housing, Education, Recreation and Social Services, as well as to land-use assignments.

Some initial conclusions can be drawn from the data examined in this Study which may well form a basis for continuing studies by appropriate local agencies to aid in the determination of their future programmes.

A. EMPLOYMENT OPPORTUNITY

If the City is to achieve the increase in population forecast (especially in the 20 to 39 year age group), economic opportunity must be provided so as to retain the existing population and to attract the projected in-migrating population. It will be seen that the 19,900 population (1976) in this age group would increase to over 27,000 by the year 2001 in the event that the anticipated population increase and age group profile were attained. Similarly, the nearly 14,000 in the 40 to 59 year age group can be expected to increase to over 28,000 by the year 2001.

In the event that it is concluded that population growth of the scale indicated in the Study is the desired Municipal goal, industrial expansion will have to be stimulated with its "spin off" effects of expanded tax base and increased employment opportunity.

Without an increase in employment opportunity there is a risk of an exodus of employable persons, especially within the younger, and thus more mobile, portion of the labour force, and a likelihood of failure to attract younger workers from outside Communities. This would produce a disproportionate number of middle-aged and senior residents in the population, and thus have serious social and economic ramifications on the Community as a whole.

A stimulation of economic activity may therefore be required:

- (a) to retain the young people completing, or foreshortening their educational needs;
- (b) to retain, and attract younger families i.e. 20 to 39 year age group;
- (c) to ensure that existing industries within the Community are encouraged to remain and perform at increased levels so as to retain those now established in their work careers, especially in the 40 to 60 year age group, and to increase employment levels to accommodate a growing population;
- (d) to provide work opportunity for women entering the labour force due to socioeconomic considerations, and for those women in the 40 to 59 year age group wishing to re-enter the labour force as child-rearing is completed.

As indicated earlier, the 1976 population in the 20 to 59 year age group totalled nearly 34,000; it is anticipated that it will increase to approximately 55,240 by the year 2001.

In 1976 the total labour force of the City numbered 30,900, which represented slightly over 46% of its population. The participation rate in the male component of the labour force was nearly 77%, while the participation rate for the female component was slightly more than 46%.

The Census of 1976 enumerated the labour force participation rate in selected age groups (which do not correspond with the age groups illustrated in preceding tables) as shown in the following tabulation:

TABLE 12
1976 BRANTFORD LABOUR FORCE
AND PARTICIPATION RATE
IN SELECTED AGE GROUPS

LABOUR FORCE COMPONENT	B R A N T F O R D		
	POPULATION	EMPLOYED	PARTICIPATION RATE (%)
MALES			
15-24 age group	6,260	4,520	72.2
25-44 age group	8,560	7,990	93.3
45-64 age group	6,525	5,555	85.1
65+ age group	2,840	480	16.9
TOTAL MALES	24,185	18,545	76.7
FEMALES			
15-24 age group	6,159	3,770	61.2
25-44 age group	8,355	4,935	59.1
45-64 age group	7,250	3,420	47.2
65+ age group	4,980	230	4.6
TOTAL FEMALES	26,744	12,355	46.2

It is to be pointed out that the participation rates shown in the above table do not reflect the actual number of jobs existing in the City proper in 1976. These rates also include persons who resided in the City but work outside or vice-versa. The rates also reflect persons who are looking and available for work, layed-off workers, persons taking retraining courses and persons who had definite arrangements to start a new job at a later date.

Staff have estimated that the actual number of jobs within the City existing in 1976 was in the order of 90.2% of the recorded participation rate. If it is assumed that the overall structure of the City-based work force will remain relatively unchanged from that of 1976, with the male participation rate remaining constant and with some adjustment being made for anticipated increases in female participation, the labour force available in 1991 and 2001 could be characterized as follows:

TABLE 13

PROJECTED LABOUR FORCE REQUIREMENTS
CITY OF BRANTFORD: 1991 AND 2001

LABOUR FORCE COMPONENT	1991			2001		
	PROJECTED POPULATION	EMPLOYABLE	PARTICI- PATION RATE (%)	PROJECTED POPULATION	EMPLOYABLE	PARTICI- PATION RATE (%)
MALES						
15-24	6,344	4,580	72.2	6,537	4,720	72.2
25-44	14,487	13,515	93.3	14,599	13,620	93.3
45-64	8,186	6,965	85.1	11,928	10,150	85.1
65 +	4,542	770	16.9	4,962	840	16.9
TOTAL MALES	33,559	25,830	77.0	38,026	29,330	77.1
FEMALES						
15-24	6,128	3,800	62.0	6,369	4,010	63.0
24-44	14,322	8,735	61.0	14,243	8,900	62.5
45-64	8,413	3,885	46.2	12,221	5,745	47.0
65 +	7,138	330	4.6	7,944	365	4.6
TOTAL FEMALES	36,001	16,750	46.5	40,777	19,020	46.6

If 90.2% of the participation rate is applied to the above projections, total employment opportunity within the City required to sustain projected populations would be in the order of 38,400 jobs in 1991, and 43,600 jobs in 2001.

Planning Staff have estimated that in 1979 there were approximately 31,350 jobs available within the 1981 territorial boundaries of the City (i.e. including annexed areas). It would appear therefore, that in order to meet forecast employment figures some 7,050 new jobs will have to be created between 1979 and 1991 (588 jobs per annum) and some 12,250 new jobs will have to be created between 1979 and 2001 (557 jobs per annum).

If the composition of employment opportunity by job type is expected to follow historical established trends, considerable job creation will have to be generated within the industrial/manufacturing sector of Brantford's economy. Staff have estimated that approximately 53% of jobs available in 1979 were oriented towards this sector. In translating this percentage figure into the future, some 20,350 manufacturing jobs will be required by 1991 resident populations (an increase of about 3,800 from 1979 figures) and some 23,100 manufacturing jobs will be required by 2001 (an increase of 6,550 from 1979 figures).

While some of these required manufacturing jobs may be created through attracting new industries to the Municipality (which may also help strengthen the economic base through increased diver-

sification), one cannot underestimate the contribution of existing resident industries towards the creation of new employment opportunities. In general terms, resident industries have been said to be accountable for up to 80% of increases in employment opportunities in the Province of Ontario. It is therefore important for the City to maintain and strengthen a viable economic climate whereby resident industries are encouraged to remain and expand. Increasing inventories of suitably situated and adequately serviced lands of diversified size allocations may provide incentive for new industries to be established in the City as well as for resident industries to relocate and/or expand within the City. Efforts made towards promoting opportunities for the establishment of research and improved educational facilities oriented towards technological training and retraining may enhance industrial growth prospects.

The industrial base shares a strong interdependency with the retail/service sector of the Municipality which similarly will require strengthening in order to sustain projected population increases. Approximately 12% of employment available in 1979 was attributed to jobs associated with the retailing of commodities. While it is questionable that Brantford will be able to attract significant levels of office-related activity, as would perhaps occur if a major national or international company established its office headquarters here, the contribution of smaller scale types of office activity should not be overlooked in terms of job creation. Other types of service activity oriented towards domestic consumption will also require stimulation. Reinforcement and creation of suitably situated locations of convenient accessibility and with opportunity for diversification of scale and type of commodities/services rendered relative to consumer requirements may enhance job creation in the retail/service sector.

Recognition and promotion of economic activity undertaken by individuals operating small scale types of business from their homes may improve employment prospects for the future. Planning Staff have estimated that approximately 1.5% of job opportunities in 1979 were associated with known "home occupations". It may be expected that this type of activity will increase, as both young families and those in their retirement years supplement their incomes through such activity.

While there is a host of socioeconomic variables beyond Municipal control which affects possibilities for employment growth, a certain amount of planning and investment can enhance the Municipality's position in seizing opportunities when they present themselves. Stimulation of job creating activities has a crucial role to play in the economic and social health of the Community.

B. HOUSING REQUIREMENTS

The use of existing housing stock and demand for increasing inventories of available dwellings through new construction will be influenced by many physical, social and economic variables which must be considered in addition to simply taking into account anticipated increases in resident populations and changes in age composition. Currently depressed housing markets bear witness to the fact that dramatic changes are occurring relative to social/economic conditions which prevailed following World War II and lasting towards the mid 1970's - a period in which unprecedented growth occurred in terms of new housing construction. Economic and physical constraints upon servicing developable lands, cost of new construction relative to consumer demand and ability to afford same, changes in consumer characteristics and attitudes, changes in household formations etc. may require dramatic changes in perspective from the expansionary attitudes which characterized new housing development during the past three decades. The following observations may be indicative of future trends which may govern the Municipality's ability to meet future housing demand:

- (a) A number of demographers have suggested that the average household size will continue to decline over the next 25 years as a result of continuation of past trends of smaller family units and rising standards of living. Between the mid 1950's and 1976 the average household size in the City of Brantford decreased from 3.6 to 2.9. Several factors contribute to this decline including reduced fertility rates, increases in divorce rates, numbers of younger people setting up independent living quarters, and increases of elderly women living alone. Provincial reports indicate that the one-person household has experienced the most dramatic growth in recent years ("Demographic Transition in Ontario", December 1980 refer). Changes in lifestyle behaviour of future resident populations may require greater innovation in housing design and construction. Smaller units of both rental and freehold forms of residential accommodation may have to be provided.
- (b) Current attitudes towards the conservation of energy, preservation of food lands, and environmental upgrading of existing urban communities, may well cause more attention to be given to increasing residential densities, "retro-fitting", or converting existing residential buildings in such manner that more people can be accommodated in separate households.
- (c) The trend of mortgage interest rates to increase may well stabilize, but even in that event, the scale of initial investment and high mortgage repayment may well inhibit the ability of younger persons to acquire homes unless sufficient job opportunity is available for both household heads to obtain employment. Although there may be in all probability

continued preference for single family home ownership, expectations of acquiring same may of necessity have to be lowered. Initiatives to improve the supply and quality of alternative housing forms may assist in re-orienting such preference.

- (d) Longer tenure of home ownership may result in less "turn-over" of available housing supply, particularly if elderly persons, the number of which is expected to dramatically increase, prefer to retain their private homes as opposed to residing in rental or "institutionalized" forms of accommodation. Providing opportunity for homeowners, especially the elderly, to rent portions of their private homes may assist them financially in retaining their homes, increase housing availability and lower the demand for publicly funded forms of housing assistance for seniors.

Planning Staff have estimated that in 1979 there were some 27,500 dwelling units (occupied and unoccupied) established within the City of Brantford. In analysing the potential of developable lands within the City limits (including those annexed in 1981), and in making some assumptions as to possible modification to existing housing stock and as to timing of anticipated development, Staff developed the following forecast scenario regarding housing requirements to year 2001:

TABLE 14

PROJECTED HOUSING REQUIREMENTS
CITY OF BRANTFORD: 1991 and 2001

YEAR	HOUSING UNITS	TOTAL INCREASE FROM 1979 (%)	PER ANNUM INCREASE FROM 1979
1979	27,500	-----	-----
1991	32,100	4,600 (16.7%)	383
2001	35,500	8,000 (29.1%)	363

If the above scenario were to be realized, the average number of persons per household would be in the range of 2.75 and there would appear to be additional reserve capacity in the neighbourhood of 12,000 housing units beyond year 2001 according to known plans of development and present Municipal policies governing development potential. It would therefore appear that the City has the potential for accommodating anticipated increases in population, although the need for meeting this need through construction of new housing units in ever-expanding plans of residential subdivision may be mitigated through increasing densities in established neighbourhoods.

Although the information herein contained is presented to give some indications of the direction in which future housing development may follow, the rapidity with which social and economic change has taken place over the past few years suggests a need for close monitoring of both housing demands and production, as well as occupancy rates, in order that present projections of housing need can, from time to time, be reassessed.

C. EDUCATIONAL FACILITIES

The following represents a brief overview of the potential impact that projected numerical and demographic changes may have on the provision of future educational facilities.

(a) Day Care - Nursery School

There is little dramatic change expected in the absolute number of pre-school age children (age group 0 - 4 years). The most recent enumeration of the Regional Assessment Branch indicates that the number in this age group has already declined from 1976 and in view of this information and current birth rates, the numbers forecast to be attained in 1981 are somewhat doubtful. Should the local birth rate experience any further decline, the increase shown in the preceding Tables 8-10 for 1986 and after, may not be achieved. In consideration of both numerical increase and percentage of future population in the 0 to 4 year age group, it would appear that any extension of Day Care Services beyond the present level of service is questionable. Nevertheless changes in socio-economic conditions, such as an increase of the number of mothers entering into the labour force, may also influence the future need for these services.

No immediate need for change in Municipal policy would appear necessary, in view of the fact that Municipal Zoning Bylaws have been amended to allow more Day Care and Nursery School facilities to be established in dwellings and in Public and Separate Schools. The Municipality has also indicated that amendments to the Zoning Bylaw will be entertained to allow such facilities to be established in higher-density residential development on a site-specific basis.

(b) Elementary Schools

Although Elementary School enrollment is anticipated to increase by some 1,700 pupils in the period 1981-2001, it would not appear that drastic readjustments to the school system will be required to handle such numerical increase. However, the most serious problem which local Boards of Education may encounter is associated with the locale of anticipated concentrations of school-aged children: factors which will need to be considered are the locale of future residential development occurring during the forecast period, the extent to which occupancy may change in existing residential development, and the extent to which older schools within the Community may become functionally obsolescent.

The distribution of population by age group within the Community will need to be closely monitored to enable local School Boards to make adjustments to their school catchment boundaries. A continuing reassessment of the functional capability of existing Elementary Schools is also necessary. Renovation of, or addition to, existing school facilities necessary to accommodate present enrolments must be made with some caution. Care must be exercised in planning new residential developments and in defining new sites for Elementary Schools, in order to ensure that the Elementary School aspect of the educational system is both effective and efficient.

(c) Secondary Schools

It would appear that there will be no dramatic change in the potential High School enrolment during the forecast period since the population in the appropriate age grouping will be relatively stable in the period of 1981 to 1996. Because of the larger Secondary School catchment areas, the Secondary school system may be less subjected to the effects of localized demographic shifts of population with which the Elementary School system must contend.

Socioeconomic considerations, such as adolescents foregoing educational opportunity in order to enter the labour force, may well result in a decrease in Secondary School enrolment. The Cohort Survival Study, upon which the forecast of the age group structure is based, presupposed that there would be sufficient higher educational and employment opportunity available for the 15 to 19 year old persons to ensure their retention within the City although, traditionally, there has been an out-migration of those in this group that seek higher educational opportunity to those communities where university or similar education facilities are available.

(d) Community Colleges:

As earlier indicated, the establishment of facilities for post-secondary education and/or for improved technical skill training within the Community may assist to reverse the tendency for young people to foreshorten education and out-migrate, to the benefit of the City's economic future. To this end, Community Colleges and/or Universities should be encouraged to provide technologically advanced and diversified courses of study within the City. The introduction of new educational centres, and expansion to the existing Braneida Campus of Mohawk College, would give local residents more opportunity to fulfill their educational aspirations and to enhance and expand the range of skills of the local labour force.

D. RECREATIONAL FACILITIES & PROGRAMMES

In view of the possible changing demographic characteristics of the population, in which the number and proportion of older adult age groups are increasing, it is questionable whether the past practice of providing recreational facilities and programmes that are primarily oriented to cater to the needs of the younger age groups should be continued. It appears that a change in focus will be necessary in order to more effectively respond to the recreational and social needs of a more adult population, and thereby maximize the benefit derived from public expenditures on parks and recreational/cultural facilities.

In 1976 almost one third of the population was less than 20 years of age, but by the year 2001 the population is expected to be little more than one quarter of the total population. Although the forecast indicates an increase in the number of young people by about 2,400 between 1981 and 2001, the largest numerical increase will occur in the 20 to 59 year age group where an increase of almost 15,350 is expected over the same period; similarly the number of people 60 to 75 years of age is expected to increase by more than 1,900 by the year 2001. Increasing demand for cultural activities and facilities may be generated by these adult populations. Anticipated increases in available adult leisure time must also be considered.

These indicators suggest that consideration should be given to modifying existing parks and recreational/cultural facilities to accommodate more diverse activities from which greater proportions of the adult population could benefit. In the case of parkland, such consideration may well lead, ultimately, to a reduction of areas assigned for active recreation with a complementary increase in those assigned for more "passive" recreational activity.

Some earlier studies that were designed to establish "desirable" standards for the provision of open space within Communities indicated that 10 acres per 1,000 population is a reasonable target for an urban Community like Brantford. Although the City has not been able to achieve such a target, it is questionable, in view of projected age group profiles of future populations whether such a standard is still necessary, even if it is affordable in terms of use of land, or in terms of Municipal fiscal capability to acquire and maintain that acreage.

Studies of the distribution of public open space within the City have indicated that more recent residential developments have been well provided with public open space; however, a severe deficiency of both amenity space and recreational facilities exists in the older residential areas of the City. Again, because of emerging concerns with respect to energy conservation, to the past rate at which foodlands were being absorbed into urban communities, and to current programmes to rehabilitate those older residential areas, it is suggested that, although expensive, the Municipality should continue its programme to improve the open space and recreational facilities in the central, or older, residential areas while reviewing its current standards with respect to open space and recreational facilities in the suburban areas.

E. HEALTH CARE & OTHER SOCIAL SERVICES

In view of the anticipated change in age group composition between 1976 and 2001 which suggests an increase of 10% in proportion of persons 40 years and over, and an increase of 2.5% in the proportion 65 years and over, there will be a need to adapt present health care facilities to serve a gradually increasing older population. It would appear that staffing and in-patient care facilities may need to be realigned, or increased, to suit the needs of these older populations, with a concurrent limitation on the need to expand services for pre-natal or child care facilities. In view of the forecast that average life expectation is likely to continue to increase, an expansion of chronic care facilities may be warranted. Even if improvement to "preventive" medical care programmes continues, there is a possibility that the need for "home care" health service may increase in view of current trends to limit the expensive expansion of in-patient care facilities.

Existing privately and publicly operated Nursing Home facilities should be planning to improve or expand their capacity to accommodate increasing numbers of elderly persons requiring chronic care treatment. This may require allocating a greater proportion of existing space for chronic care patients, adaptations in staffing/equipment and physical re-

arrangement, and/or building expansion. New Nursing Homes and Senior Citizen's residential complexes may be required to satisfy additional needs that existing facilities are unlikely to be able to address.

A diverse and strong economic base for the City will be essential to achieve and sustain an effective social service network capable of accommodating increases and changes in the needs of future populations without becoming overly onerous on those expected to support such systems. In light of projected dependency ratios which foresee increasing obligation for those of the productive labour force, the viability of social services provision may be particularly sensitive to, and challenged by, abrupt and temporary declines in employment.

SUMMARY

Although the preceding outline of the implications of the population forecast upon planning considerations may appear to be rather sketchy and tentative, it is hoped that it will serve as a basis and give some indication of the issues which may arise in providing a service infrastructure within the Community.

The gradual slowdown of population increase relative to the "baby boom" years and the resulting foreseeable predominance of older age population composition are phenomena occurring at both National and Provincial levels; there are no indications that Brantford will experience different trends as indicated earlier. The prospects of population increase within the Community are largely dependent upon its ability to provide job opportunity and thus continue to achieve population increase by in-migration. The Community must nevertheless be able to adjust its programmes and attitudes in response to a possible level of in-migration and to the needs of an aging population.

It would appear important for the Community at this point in time, to consider the social and economic implications of these trends and ascertain whether it is necessary to realign and readjust its priorities in order to gain the most beneficial use of its resources and public investments.

SUPPLEMENT

Since the development of the population projections contained in this Report, Statistics Canada has published data obtained from the 1981 Federal Census. Census data, together with comparison to projections developed by Staff, are illustrated in the following chart:

TABLE 15:
1981 CENSUS FIGURES WITH COMPARISON TO PLANNING STAFF PROJECTIONS

	CITY	BRANTFORD TOWNSHIP	PARIS	REMAINING MUNICIPALITIES	INDIAN RESERVES	COUNTY
1976 CENSUS	69950	9137	6713	12446	3853	99099
1981 CENSUS	74315	6530	7485	12071	4026	104427
1976-1981 GROWTH	+7365	-2607	+772	-375	+173	+5328
1976-1981 % OVERALL GROWTH	+11.0%	-28.5%	+11.5%	-0.3%	+4.5%	+5.4%
1976-1981 ANNUAL GROWTH RATE (CUMULA- TIVE)	*+1.45%	* -0.06%	+2.20%	-0.61%	+0.88%	+1.05%
1981 FORE- CAST	75420	6830	7136	12541	3883	105800
1976 CENSUS 1981 FORE- CAST GROWTH	+8470	-2307	+413	+ 95	+ 30	+6701
1976 CENSUS 1981 FORE- CAST % OVER- ALL GROWTH	+12.6%	-25.2%	+6.2%	+0.8%	+0.8%	+6.8%
1976 CENSUS 1981 FORECAST % ANNUAL GROWTH	*+1.70%	* +0.60%	+1.20%	+0.15%	+0.15%	+1.32%
DIFFERENCE 1981 FORE- OVER 1981 CENSUS	+1105	+300	-359	+470	-143	+1373

* Annexation Discounted (2355 persons as per 1981 Census,
2584 persons as per Projection)

These figures reveal that, in an overall context, Brant County continued to experience positive growth between 1976 and 1981. The County's rate of population growth (5.4%) over this 5-year interval is more than twice that experienced between 1971 and 1976 (2.4%). This growth, however is less than that predicted by T.E.I.G.A.

whose projections for the County served as a basis for population forecasts developed by Planning Staff for the County's constituent parts. According to the Census, T.E.I.G.A. overestimated 1981 County populations by 1,373 persons, or 1.3%. Such overestimation, nevertheless may prove to result in a comfortable "margin of safety" in planning for future population growth.

Reflected in the 1981 Census figures is evidence that the historical trends of population growth for constituent parts of the County are being followed. There has been continued concentration of the overall County population increase in urbanized areas: combined City of Brantford and Town of Paris populations in 1981 accounted for 78.4% of County population, representing a 4% increase from 1976. This increase is largely attributable to the January 1981 annexation of Brantford Township lands by the City of Brantford whose share increased from 67.6% to 71.2% of County population. Population levels in predominantly rural areas continue to fluctuate, with all such areas showing declines between 1976 and 1981 (the exception being Indian Reserves where an increase occurred). Leading these areas in net loss of people was Brantford Township which lost 352 persons (3.9%) in addition to losses experienced by the 1981 annexation (25.8%); Burford Township lost 225 (3.9%); Oakland Township lost 74 (5.5%); South Dumfries Township lost 64 (1.6%) in addition to 11 (0.3%) lost through annexation; Onondaga Township lost 1 (0.07%).

Comparison of 1981 Census figures and the 1981 forecasts developed by Planning Staff indicates that the positive growth scenarios applied to all constituent parts of the County were not realized. Whereas a greater than expected growth occurred between 1976 and 1981 in the Town of Paris and within Indian Reserves, the anticipated growth within other municipal jurisdictions was not achieved. Discrepancies between 1981 projected and actual population levels of rural municipalities and Indian Reserves may not be considered very significant, given the modest growth rates allocated, and the historical tendency of populations within these areas to fluctuate.

The City of Brantford projection for 1981 was overestimated by 1,105 persons, representing 1.5% of actual 1981 population and 80% of the County overestimation. Part of the City overestimation (229 people) may be attributed to error in estimating the numbers of people brought into the City as a result of the 1981 annexation.

Review of vital statistics records for the City of Brantford (excluding the 1981 annexed lands) reveals that in the period between July 1976 and July 1981 there were some 5,228 births and 2,608 deaths of resident populations resulting in a natural increase of 2,620 people (524 persons per annum average). This

would indicate an implied in-migration of 2,390 people (478 persons per annum average) over the five-year period, discounting annexation. Comparison of these figures with projected annual natural increase and in-migration as shown in Table 7 of this report indicates that the actual increase in 1976-1981 populations surpassed projected natural increase by 605 people (121 persons per annum average) and overestimated in-migration by 1,495 people (299 persons per annum average). This may serve to indicate the importance of natural increase factors for continued City population growth, as well as the impact of the economic recession experienced during this period upon the City's ability to attract new residents.

A reversal in the current national and local economic climate may cause City resident populations to more closely approximate, or even exceed those forecasts developed in this Report. Therefore, no changes in the Planning Staff projections for City of Brantford populations will be made at this time; nevertheless, continued monitoring of population change will be necessary in order to adapt to trends as they become more firmly established.

Comparison of demographic profiles for Brant County and for the City of Brantford according to 1976 and 1981 census figures, in addition to projections developed by Planning Staff, is illustrated in the following chart:

TABLE 16:

1981 CENSUS DEMOGRAPHIC CHARACTERISTICS
WITH COMPARISON TO PLANNING STAFF PROJECTIONS

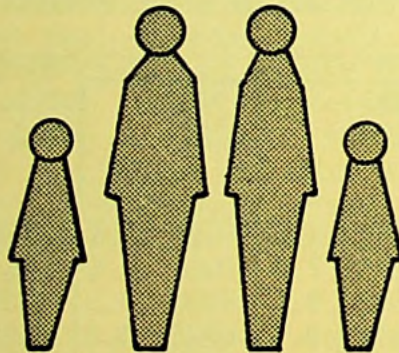
AGE GROUP	C E N S U S								PROJECTION		DIFFERENCE	
	1976 BRANT CO.		1981 BRANT CO.		1976 BTFD		1976 BTFD		BTFD. 1981		PROJEC. % -CENSUS PROP (+over -under)	
	CO.	%	CO.	%		%		%		%		%
0-4	7385	7.5	7680	7.4	5185	7.7	5610	7.5	5355	7.1	-255	-0.4
5-9	8030	8.1	7925	7.6	5275	7.9	5620	7.6	5581	7.4	- 39	-0.2
10-14	9825	9.9	8315	8.0	6060	9.1	5590	7.5	5732	7.6	+142	+0.1
15-19	9630	9.7	10055	9.6	6195	9.3	6725	9.0	6637	8.8	- 88	-0.2
20-24	8750	8.8	8935	8.6	6335	9.5	6585	8.9	6788	9.0	+203	+0.1
25-34	14215	14.3	16815	16.1	10110	15.1	12520	16.9	13123	17.4	+603	+0.5
35-44	10450	10.6	11735	11.2	6780	10.2	8135	10.9	8447	11.2	+312	+0.3
45-54	11090	11.2	10645	10.2	7410	11.0	7400	10.0	7466	9.9	+ 66	+0.1
55-64	9355	9.4	10180	9.7	6350	9.5	7200	9.7	7467	9.9	+267	+0.2
65-69	3610	3.6	4215	4.0	2455	3.6	3080	4.1	3092	4.1	+ 12	--
70+	6760	6.9	7925	7.6	4775	7.1	5850	7.9	5732	7.6	-118	-0.3
TOTAL	99100	100.	104425	100.	66950	100.	74315	100.	75420	100.	+1105	--

County child populations (0-19 years) have declined by 2.6% between 1976 and 1981; work force populations (20-64 years) have increased by 8.3%; senior populations (65 years +) have increased by 17.1%. Over the

same period, child dependency on work force populations decreased from 647 to 583 children per 1,000; aged dependency increased from 193 to 208 seniors per 1,000.

City of Brantford child populations have increased by 3.7% between 1976 and 1981; work force populations have increased by 13.1%; senior populations have increased by 23.5%. Increases of these populations projected by Planning Staff were 2.8%, 17.1%, and 22.0% respectively. Child dependency on work force populations between 1976 and 1981 decreased from 614 to 563 children per 1,000 whereas a ratio of 538 per 1,000 was predicted by Planning Staff; aged dependency increased from 195 to 213 seniors per 1,000 whereas the predicted ratio for 1981 was 204 per 1,000.

It would appear from the foregoing that actual and projected demographic composition for the year 1981 are sufficiently compatible to make adjustment to the projections at this time unwarranted. Nevertheless, it is indicated that overestimation in City projected population was primarily allocated to work force populations, whereas child and senior populations were underestimated. Again, the need for economic recovery in order to attract new residents particularly to strengthen the City's labour force is demonstrated.



CENSUS OF CANADA

POPULATION STATISTICS

For

CANADA

ONTARIO

BRANT COUNTY

CITY OF BRANTFORD

1951 - 1976

Compiled by : City of Brantford Planning Department

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<u>YR.</u>	<u>STATS</u>	<u>GRAPHS</u>
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1961	C3	C9
1966	C4	C10
1971	C5	C11
1976	C6	C12

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(1951 - 1976) :

<u>YR.</u>	<u>STATS</u>	<u>GRAPHS</u>
1951	D1	D7
1956	D2	D8
1961	D3	D9
1966	D4	D10
1971	D5	D11
1976	D6	D12

BRANT COUNTY POPULATION COUNTS 10 YR. CENSUS INTERVALS

	YEAR										
	1871	1881	1891	1901	1911	1921	1931	1941	1951	1961	1971
<i>Brantford Township</i>	6,867	6,555	6,954	5,757	7,206	7,839	8,162	9,285	7,589	7,764	9,380
<i>Burford Township</i>	5,543	5,466	4,939	4,512	4,133	4,126	3,868	3,900	4,776	5,492	5,799
<i>S. Dumfries Township</i>	3,468	3,490	3,137	2,922	2,805	2,821	2,639	2,619	3,121	3,241	3,961
<i>Oakland Township</i>	1,104	939	858	745	803	889	857	937	1,168	1,323	1,399
<i>Onondaga Township</i>	1,924	1,739	1,482	1,186	1,104	1,134	1,052	992	1,168	1,199	1,349
<i>Indian Reserves</i>	2,606	2,891	3,228	3,170	2,595	2,760	2,654	2,377	3,059	3,799	3,975
<i>Brantford</i>	8,107	9,616	12,753	16,619	23,132	29,440	30,107	31,948	36,727	55,201	64,421
<i>Paris</i>	2,640	3,173	3,094	3,229	4,098	4,368	4,137	4,637	5,249	5,820	6,483
BRANT COUNTY	32,259	33,869	36,445	38,140	45,876	53,377	53,476	56,695	72,857	83,839	96,767

PORTIONS OF BRANT CO. AS % OF TOTAL POP.
10 YR. CENSUS INTERVALS

	YEAR										
	1871	1881	1891	1901	1911	1921	1931	1941	1951	1961	1971
<i>Brantford Township</i>	21.3	19.4	19.1	15.1	15.7	14.7	15.3	16.4	24.1	9.3	9.7
<i>Burford Township</i>	17.2	16.1	13.5	11.8	9.0	7.7	7.2	6.9	6.6	6.6	6.0
<i>S. Dumfries Township</i>	10.7	10.3	8.6	7.7	6.1	5.3	4.9	4.6	4.3	3.9	4.1
<i>Oakland Township</i>	3.4	2.8	2.4	1.9	1.8	1.7	1.6	1.6	1.6	1.6	1.4
<i>Onondaga Township</i>	6.0	5.1	4.1	3.1	2.4	2.1	2.0	1.7	1.6	1.4	1.4
<i>Indian Reserves</i>	8.1	8.5	8.8	8.3	5.7	5.2	5.0	4.2	4.2	4.5	4.1
<i>Brantford</i>	25.1	28.4	35.0	43.6	50.4	55.1	56.3	56.4	50.4	65.8	66.6
<i>Paris</i>	8.2	9.4	8.5	8.5	8.9	8.2	7.7	8.2	7.2	6.9	6.7
BRANT COUNTY	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

BRANT COUNTY POP. GROWTH PERCENTAGES BY 10 YR. CENSUS INTERVALS *

	YEAR										
	1871	1881	1891	1901	1911	1921	1931	1941	1951	1961	1971
<i>Brantford Township</i>	—	-4.5	+6.1	-17.2	+25.2	+8.8	+4.1	+13.8	+89.4	-55.9	+20.8
<i>Burford Township</i>	—	-1.4	-9.6	-8.6	-8.4	-0.2	-6.3	+0.8	+22.5	+15.0	+5.6
<i>S. Dumfries Township</i>	—	+0.6	-10.1	-6.9	-4.0	+0.6	-6.5	-0.8	+19.2	+3.8	+22.2
<i>Oakland Township</i>	—	-14.9	-8.6	-13.2	+7.8	+10.7	-3.6	+9.3	+24.7	+13.3	+5.7
<i>Onondaga Township</i>	—	-9.6	-14.8	-20.0	-6.9	+2.7	-7.2	-5.7	+17.7	+2.7	+12.5
<i>Indian Reserves</i>	—	+10.9	+11.7	-1.8	-18.1	+6.4	-3.8	-10.4	+28.7	+24.2	+4.6
<i>Brantford</i>	—	+18.6	+32.6	+30.3	+39.2	+27.3	+2.3	+6.1	+15.0	+50.3	+16.7
<i>Paris</i>	—	+20.2	-2.5	+4.4	+26.9	+6.6	-5.3	+12.1	+13.2	+10.9	+11.4
BRANT COUNTY	—	+5.0	+7.6	+4.7	+20.3	+16.4	+0.2	+6.2	+28.5	+15.1	+15.4

* NOTE: PERCENTAGE FIGURES SHOWN REPRESENT GROWTH IN PRECEDING 10 YEAR INTERVAL.

1951 CENSUS - POPULATION BY AGE GROUP

	5 - YEAR AGE GROUPS														TOTAL					
	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69		70-74	75-79	80-84	85-89	90+
CANADA	1,728,109	1,387,826	1,180,788	1,087,872	1,046,641	1,131,216	1,042,794	999,132	848,687	744,679	663,686	570,680	506,182	435,497	318,072	198,391	96,791	38,839	12,923	14,809,489
ONTARIO	1,114,722	899,282	828,200	810,600	852,360	897,238	831,043	840,787	802,342	768,126	747,476	710,308	682,464	658,087	610,918	570,419	536,027	508,769	481,102	4,899,842
BRANT COUNTY (including Brantford)	9,632	6,434	5,284	4,874	5,419	5,811	5,838	5,452	4,728	4,041	3,769	3,330	2,926	2,656	1,944	1,273	600	274	95	72,887
BRANT COUNTY (excluding Brantford)	4,687	2,878	2,887	2,434	2,948	2,694	2,746	2,720	2,847	1,973	1,744	1,578	1,287	1,199	936	888	278	132	37	86,130
CITY of BRANTFORD	3,935	2,749	2,307	2,440	3,071	3,118	2,789	2,715	2,378	2,068	2,026	1,792	1,639	1,410	1,108	887	321	142	88	86,727

1956 CENSUS - POPULATION BY AGE GROUP

		5 - YEAR AGE GROUPS														TOTAL					
		0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90+	TOTAL
CANADA		1,505,603	1,807,023	1,454,594	1,162,201	1,129,110	1,198,127	1,244,288	1,114,388	1,028,399	876,016	733,050	629,244	524,917	484,118	370,709	227,488	117,096	49,358	18,168	16,080,791
ONTARIO		820,828	963,478	439,922	346,890	360,180	417,396	439,713	390,784	361,098	312,208	269,298	238,462	184,145	167,371	124,202	83,168	44,911	18,782	6441	9,404,833
BRANT COUNTY (including Brantford)		8846	6669	4440	6068	4720	6232	6646	5816	5308	4680	3939	3610	2923	2688	2243	1436	812	300	112	77,992
BRANT COUNTY (excluding Brantford)		3142	3046	2394	1891	1662	1869	1886	1729	1650	1647	1311	1161	961	808	689	482	267	112	87	86,123
CITY of BRANTFORD		3703	5543	4084	3174	3168	3563	3960	3766	3696	3103	2628	2349	1962	1803	1584	932	545	188	78	81,869

1961 CENSUS - POPULATION BY AGE GROUP

	5 - YEAR AGE GROUPS														TOTAL					
	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69		70-74	75-79	80-84	85-89	90+
CANADA	2,286,401	2,078,423	1,888,988	1,458,888	1,163,844	1,258,287	1,371,810	1,370,334	1,118,981	1,016,316	863,186	705,835	682,488	667,102	402,178	374,237	146,817	80,784	20,038	16,236,247
ONTARIO	740,193	674,819	693,037	436,083	366,366	422,661	489,628	469,312	397,281	360,749	308,788	286,327	218,811	180,045	146,322	97,734	51,466	22,618	7,970	4,236,098
BRANT COUNTY (including Brantford)	8002	8946	8616	6267	4901	4787	6424	6782	8397	6184	4831	3712	3186	2881	2374	1686	892	282	147	82,639
BRANT COUNTY (excluding Brantford)	3831	3333	3173	2300	1892	1866	1624	1866	1746	1632	1485	1217	1017	864	748	606	284	116	47	26,038
CITY of BRANTFORD	9671	6816	6443	3967	3316	3211	3610	3927	3629	2682	3046	2496	2118	1837	1626	1149	608	267	100	88,201

1966 CENSUS - POPULATION BY AGE GROUP

	5 - YEAR AGE GROUPS														TOTAL					
	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69		70-74	75-79	80-84	85-89	90+
CANADA	2,197,587	2,500,807	2,093,813	1,937,723	1,481,298	1,241,784	1,241,687	1,366,144	1,387,028	1,093,910	986,764	816,300	663,410	531,709	427,207	300,366	177,316	76,790	26,186	20,014,080
ONTARIO	746,744	770,081	686,270	690,187	488,053	433,886	447,188	472,616	469,386	380,883	383,402	303,385	344,126	199,706	189,047	109,536	63,193	27,908	9,832	6,860,670
BRANT COUNTY (including Brantford)	9899	9806	9096	6446	6176	6086	4992	6663	6706	6369	6029	4230	3493	2865	2374	1730	1111	612	163	90,845
BRANT COUNTY (excluding Brantford)	3883	3620	3346	3977	1816	1683	1710	1987	1879	1785	1636	1417	1122	864	732	532	316	190	44	31,091
CITY of BRANTFORD	6076	6986	6781	6471	4360	3402	3262	3676	3927	3610	3393	2613	2341	1980	1643	1198	790	333	118	60,084

1971 CENSUS - POPULATION BY AGE GROUP

		5 - YEAR AGE GROUPS														TOTAL					
		0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90+	TOTAL
CANADA		1,616,185	2,384,006	2,310,740	2,114,346	1,886,406	1,864,125	1,308,428	1,393,870	1,382,828	1,338,040	1,052,038	864,788	777,018	618,880	487,860	328,810	204,170	100,010	37,380	21,888,810
ONTARIO		837,260	783,618	787,718	719,368	674,120	687,348	478,148	468,818	474,180	489,818	381,188	343,680	280,080	227,768	171,468	120,860	74,378	38,820	13,926	7,703,108
BRANT COUNTY (including Brantford)		7388	8030	8228	9830	8780	7830	6268	8318	8138	8418	8878	4888	4470	3610	2748	1900	1170	680	288	88,100
BRANT COUNTY (excluding Brantford)		3380	1880	3820	3868	2638	3500	2778	1820	1428	1470	2208	1820	1760	1860	1030	688	330	280	138	24,680
CITY of BRANTFORD		8020	8140	6008	6068	8818	4430	3810	3488	8710	3848	3470	3388	2710	2280	1718	1238	840	440	180	84,420

Note: Figures rounded to nearest 5 units. Addition of Categories may not produce figures for overall totals.

1976 CENSUS - POPULATION BY AGE GROUP

5 - YEAR AGE GROUPS

	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90+	TOTAL
CANADA	1,732,000	1,867,800	2,276,375	2,345,335	2,132,005	1,893,000	1,827,405	1,522,750	1,288,220	1,282,845	1,220,180	1,019,035	908,400	730,815	553,726	382,705	220,985	112,350	52,160	22,892,605
ONTARIO	607,210	647,615	796,760	807,950	744,365	716,820	696,445	609,995	474,950	471,615	485,005	369,375	324,305	360,630	197,370	131,020	82,985	41,485	19225	8,284,485
BRANT COUNTY (including Brantford)	7385	8020	9625	9820	8760	7920	6285	5215	5125	5415	6875	4995	4470	3610	2745	1500	1170	640	285	99,100
BRANT COUNTY (excluding Brantford)	2200	2755	3765	3435	2415	2145	1990	1965	1805	1840	1840	1635	1370	1185	810	585	845	195	80	52,180
CITY of BRANTFORD	5185	5275	6060	5195	6225	5785	4325	3460	3320	3875	3835	3280	3100	2485	1925	1945	825	465	205	66,950

NOTE: Figures rounded to nearest 5 units. Addition of Categories may not produce figures for overall totals.

AGE GROUP	MALES			FEMALES		
	POP.	% TOT.	TOT. AGE GROUP	POP.	% TOT.	TOT. AGE GROUP
0-4	1,722,109	12.8	12.4	843,046	12.2	12.2
5-9	1,397,825	10.0	10.1	683,952	9.8	9.8
10-14	1,130,783	8.1	8.1	555,661	8.0	8.0
15-19	1,057,972	7.6	7.6	525,792	7.6	7.6
20-24	1,088,641	7.8	7.6	551,106	7.9	8.0
25-29	1,131,215	8.1	7.6	552,812	7.8	8.0
30-34	1,042,734	7.4	7.8	578,403	8.4	8.1
35-39	999,133	7.1	7.1	530,177	7.7	8.0
40-44	868,567	6.2	6.3	495,562	7.2	7.5
45-49	744,679	5.3	5.5	422,767	6.1	6.7
50-54	662,656	4.7	4.6	356,971	5.2	5.7
55-59	570,690	4.1	4.1	322,195	4.6	5.5
60-64	506,152	3.6	3.7	278,126	4.0	5.7
65-69	433,497	3.1	3.0	241,828	3.5	5.7
70-74	315,072	2.3	2.3	205,421	3.0	5.7
75-79	188,391	1.3	1.3	154,674	2.2	5.1
80-84	96,791	0.7	0.6	94,261	1.4	5.0
85-89	39,599	0.3	0.3	50,828	0.7	5.2
90+	12,923	0.1	0.1	22,060	0.3	5.7
TOTALS	14,009,429	100.0	100.0	7,726	0.1	5.4
				6,920,556	100.0	49.4

CANADA

AGE GROUP	MALES			FEMALES		
	POP.	% TOT.	TOT. AGE GROUP	POP.	% TOT.	TOT. AGE GROUP
0-4	514,722	11.2	11.4	251,192	11.0	11.0
5-9	399,292	9.7	9.8	194,716	8.6	8.6
10-14	325,300	7.1	7.2	159,599	7.0	7.0
15-19	315,685	6.8	6.8	155,495	6.6	6.6
20-24	352,360	7.7	7.6	175,431	7.7	7.7
25-29	387,239	9.4	8.2	196,978	8.6	8.6
30-34	351,043	7.6	7.5	177,324	7.8	8.0
35-39	340,797	7.4	7.8	168,103	7.4	7.4
40-44	302,342	6.4	6.7	147,488	6.6	6.6
45-49	268,129	5.8	6.0	129,631	5.7	5.7
50-54	247,478	5.4	5.8	121,259	5.3	5.3
55-59	210,308	4.8	4.6	104,787	4.6	4.6
60-64	182,484	4.0	3.9	91,268	4.0	4.0
65-69	155,097	3.4	3.3	77,747	3.4	3.4
70-74	115,919	2.8	2.4	61,002	2.7	2.7
75-79	70,419	1.9	1.4	37,611	1.6	1.6
80-84	38,027	0.9	0.7	21,298	0.9	0.9
85-89	15,799	0.3	0.3	9,297	0.4	0.4
90+	5,102	0.1	0.1	3,198	0.1	0.1
TOTALS	4,597,542	100.0	100.0	2,283,372	100.0	49.7

ONTARIO

AGE GROUP	MALES			FEMALES		
	POP.	% TOT.	% MLE GROUP	POP.	% TOT.	% FE. AGE GROUP
0-4	628,823	11.4	11.8	320,709	11.8	41.0
5-9	563,678	10.4	10.3	287,379	10.3	49.0
10-14	425,922	7.9	8.0	217,809	8.1	48.0
15-19	346,850	6.4	6.3	176,024	6.3	49.3
20-24	365,160	6.8	6.7	182,398	6.7	50.1
25-29	417,395	7.7	7.6	212,014	7.6	49.3
30-34	436,713	8.1	8.0	216,851	8.0	50.6
35-39	390,784	7.3	7.2	195,770	7.2	49.9
40-44	361,098	6.7	6.8	185,123	6.8	49.7
45-49	312,208	5.8	5.9	161,091	5.9	48.4
50-54	269,298	5.0	5.1	138,822	5.1	49.8
55-59	236,482	4.4	4.4	119,413	4.4	49.0
60-64	194,145	3.6	3.5	95,374	3.5	50.9
65-69	167,371	3.1	3.0	81,367	3.0	51.4
70-74	134,202	2.5	2.3	63,420	2.3	52.7
75-79	83,168	1.6	1.4	38,388	1.4	53.6
80-84	44,411	0.8	0.7	19,371	0.7	56.4
85-89	18,792	0.4	0.3	7,914	0.3	62.8
90+	6,441	0.1	0.1	2,282	0.1	64.6
TOTALS	5,404,933	100.0	100.0	2,721,519	100.0	49.4

AGE GROUP	MALES			FEMALES		
	POP.	% TOT.	% MLE GROUP	POP.	% TOT.	% FE. AGE GROUP
0-4	1,983,563	12.3	12.4	971,728	12.3	49.0
5-9	1,807,053	11.2	11.3	887,101	11.2	49.1
10-14	1,434,594	9.0	9.0	702,562	9.0	49.0
15-19	1,162,301	7.2	7.3	575,666	7.3	49.5
20-24	1,129,110	7.0	7.0	561,931	7.1	49.8
25-29	1,196,137	7.5	7.4	592,301	7.5	49.4
30-34	1,216,285	7.6	7.3	613,750	7.7	50.8
35-39	1,114,385	6.9	6.8	558,622	7.0	50.1
40-44	1,025,399	6.4	6.4	502,784	6.3	49.0
45-49	878,815	5.6	5.6	422,988	5.8	48.1
50-54	733,050	4.6	4.7	351,215	4.4	47.9
55-59	629,244	3.9	3.9	307,271	3.8	48.6
60-64	524,917	3.3	3.3	259,263	3.3	48.4
65-69	464,113	2.9	2.9	226,562	2.9	48.3
70-74	370,708	2.3	2.3	183,218	2.3	49.1
75-79	227,498	1.4	1.4	113,948	1.4	50.1
80-84	117,096	0.7	0.7	61,460	0.6	52.6
85-89	48,358	0.3	0.3	26,670	0.3	55.2
90+	16,165	0.1	0.1	9,870	0.1	61.1
TOTALS	16,080,791	100.0	100.0	7,928,912	100.0	49.3

CANADA

ONTARIO

AGE GROUP	POP.	% TOT.	MALES			FEMALES		
			POP.	% TOT.	POP.	% TOT.	POP.	% TOT.
0-4	2,256,401	12.4	1,154,091	12.5	1,102,310	12.3	48.9	
5-9	2,079,522	11.4	1,063,840	11.8	1,015,682	11.3	48.8	
10-14	1,855,999	10.2	948,160	10.3	907,839	10.1	48.9	
15-19	1,432,559	7.8	729,035	7.8	703,524	7.6	48.1	
20-24	1,183,646	6.4	587,139	6.4	596,507	6.6	50.4	
25-29	1,209,297	6.5	613,897	6.6	595,400	6.6	49.2	
30-34	1,271,810	7.0	644,407	7.0	627,403	7.0	49.3	
35-39	1,270,924	6.9	631,072	6.6	639,852	7.1	50.3	
40-44	1,118,961	6.1	559,996	6.1	558,965	6.2	48.9	
45-49	1,015,316	5.4	515,516	5.5	499,800	5.6	48.2	
50-54	863,188	4.7	442,909	4.8	420,279	4.7	48.7	
55-59	705,835	3.9	362,145	3.9	343,690	3.8	48.7	
60-64	583,635	3.2	292,569	3.2	291,066	3.2	48.9	
65-69	487,102	2.7	239,585	2.6	247,417	2.7	50.8	
70-74	402,175	2.2	196,076	2.1	206,099	2.3	51.2	
75-79	274,237	1.5	134,186	1.5	140,051	1.5	51.1	
80-84	146,817	0.8	69,046	0.8	77,771	0.8	53.0	
85-89	60,784	0.3	27,178	0.3	33,606	0.4	55.3	
90+	20,039	0.1	7,946	0.1	12,093	0.1	50.3	
TOTALS	18,238,247	100.0	9,218,893	100.0	9,019,354	100.0	49.5	

CANADA

AGE GROUP	POP.	% TOT.	MALES			FEMALES		
			POP.	% TOT.	POP.	% TOT.	POP.	% TOT.
0-4	740,193	11.9	379,206	12.1	360,987	11.6	48.6	
5-9	674,519	10.2	345,308	11.0	329,211	10.6	48.8	
10-14	593,037	9.0	303,966	9.7	289,071	9.3	48.7	
15-19	436,883	7.0	223,059	7.1	213,824	6.9	48.9	
20-24	386,966	6.2	190,368	6.1	196,598	6.3	50.8	
25-29	422,651	6.5	213,587	6.6	209,064	6.5	48.9	
30-34	459,825	7.4	233,839	7.8	225,986	7.5	49.1	
35-39	469,312	7.5	232,827	7.4	236,485	7.6	50.4	
40-44	397,251	6.4	199,991	6.4	197,260	6.4	48.7	
45-49	360,749	6.8	183,907	6.9	176,842	6.7	48.0	
50-54	309,795	6.0	157,849	6.0	151,946	6.5	48.0	
55-59	258,327	4.1	131,026	4.2	127,301	4.1	48.2	
60-64	218,511	3.5	107,830	3.6	110,681	3.6	50.7	
65-69	180,053	2.9	85,855	2.7	94,208	3.0	52.3	
70-74	146,322	2.5	66,880	2.1	79,442	2.6	54.2	
75-79	97,734	1.6	44,219	1.4	53,515	1.7	54.8	
80-84	53,466	0.9	22,860	0.7	30,606	1.0	57.2	
85-89	22,618	0.4	9,063	0.3	13,555	0.4	59.9	
90+	7,870	0.1	2,888	0.1	4,982	0.2	63.3	
TOTALS	6,236,092	100.0	3,134,528	100.0	3,101,564	100.0	48.7	

ONTARIO

1961 CENSUS

AGE GROUP	MALES				FEMALES			
	POP.	% TOT.	% AGE GROUP		POP.	% TOT.	% AGE GROUP	
			TOT. MALE	AGE GROUP			TOT. FEM.	AGE GROUP
0-4	2,197,387	11.0	11.2	81.4	1,068,616	10.7	10.7	88.6
5-9	2,300,857	11.6	11.7	81.0	1,128,036	11.8	11.8	88.0
10-14	2,093,513	10.8	10.7	81.2	1,022,258	10.3	10.3	88.0
15-19	1,837,725	9.2	9.2	80.8	908,767	9.1	9.1	88.0
20-24	1,461,298	7.5	7.2	80.8	734,183	7.4	7.4	80.2
25-29	1,241,794	6.2	6.2	80.8	622,332	6.2	6.2	80.1
30-34	1,241,697	6.2	6.2	80.8	611,199	6.1	6.1	80.2
35-39	1,286,144	6.4	6.5	80.6	636,375	6.4	6.4	80.1
40-44	1,257,028	6.3	6.2	80.2	632,319	6.3	6.3	80.3
45-49	1,089,915	5.4	5.4	80.6	547,163	5.8	5.8	80.2
50-54	980,264	4.9	4.9	80.4	489,981	4.8	4.8	80.4
55-59	816,300	4.1	4.1	80.6	402,911	4.1	4.1	80.4
60-64	663,410	3.3	3.3	80.7	333,404	3.4	3.4	80.3
65-69	531,709	2.7	2.6	80.9	276,771	2.8	2.8	80.1
70-74	427,207	2.1	2.0	80.8	228,399	2.3	2.3	80.6
75-79	300,365	1.5	1.4	80.3	161,398	1.6	1.6	80.7
80-84	177,319	0.9	0.8	80.8	96,655	1.0	1.0	80.8
85-89	76,790	0.4	0.3	80.1	43,717	0.4	0.4	80.9
90+	26,158	0.1	0.1	80.6	16,052	0.2	0.2	80.4
TOTALS	20,014,880	100.0	100.0	80.8	9,960,536	100.0	100.0	80.8

CANADA

AGE GROUP	MALES				FEMALES			
	POP.	% TOT.	% AGE GROUP		POP.	% TOT.	% AGE GROUP	
			TOT. MALE	AGE GROUP			TOT. FEM.	AGE GROUP
0-4	745,744	10.7	11.0	81.3	382,522	10.4	11.0	80.7
5-9	770,061	11.1	11.3	81.1	393,449	10.8	11.3	80.9
10-14	688,270	9.9	10.1	81.1	351,880	9.7	10.1	80.9
15-19	599,197	8.6	8.8	80.6	304,654	8.8	8.8	80.2
20-24	485,063	7.0	6.9	80.6	240,675	7.0	6.9	80.4
25-29	433,856	6.2	6.2	80.7	215,413	6.2	6.2	80.3
30-34	447,155	6.4	6.5	80.7	226,605	6.5	6.5	80.3
35-39	472,616	6.6	6.6	80.7	239,638	6.8	6.8	80.4
40-44	469,358	6.7	6.7	80.4	232,958	6.7	6.7	80.4
45-49	390,983	5.6	5.6	80.0	195,482	5.6	5.6	80.0
50-54	353,402	5.1	5.1	80.4	178,967	5.1	5.1	80.6
55-59	293,325	4.3	4.2	80.2	147,105	4.2	4.2	80.8
60-64	244,128	3.8	3.8	80.9	119,649	3.8	3.8	81.0
65-69	199,206	2.9	2.7	80.6	93,141	2.7	2.7	80.2
70-74	159,047	2.3	2.3	80.8	70,431	2.0	2.0	80.7
75-79	108,536	1.6	1.3	80.8	46,593	1.3	1.3	80.1
80-84	63,193	0.9	0.9	81.1	25,994	0.8	0.8	80.8
85-89	27,908	0.4	0.3	80.3	10,681	0.3	0.3	80.7
90+	9,832	0.1	0.1	80.7	3,312	0.1	0.1	80.8
TOTALS	6,960,870	100.0	100.0	80.8	3,479,149	100.0	100.0	80.8

ONTARIO

AGE GROUP	POP.	% TOT.	MALES			FEMALES		
			POP.	% TOT.	% AGE GROUP	POP.	% TOT.	% AGE GROUP
0-4	1,816,155	8.4	929,600	8.4	886,550	8.3	48.8	
5-9	2,254,005	10.8	1,152,430	10.7	1,101,575	10.2	48.8	
10-14	2,310,740	10.7	1,181,460	10.8	1,129,285	10.5	48.9	
15-19	2,114,345	9.9	1,074,430	10.0	1,039,915	9.7	48.2	
20-24	1,889,405	8.9	941,775	9.7	947,630	8.6	50.2	
25-29	1,584,125	7.5	800,710	7.4	783,410	7.3	49.8	
30-34	1,305,425	6.1	660,870	6.1	644,550	6.0	48.4	
35-39	1,263,870	5.9	645,045	6.0	618,820	5.7	49.0	
40-44	1,262,525	5.9	640,765	5.9	621,760	5.8	49.2	
45-49	1,239,040	5.7	613,410	5.7	625,630	5.8	50.5	
50-54	1,052,535	4.9	518,900	4.8	533,635	5.0	50.7	
55-59	954,725	4.4	472,415	4.4	482,310	4.5	50.6	
60-64	777,015	3.6	381,690	3.5	395,320	3.7	50.9	
65-69	619,960	2.9	296,050	2.8	323,910	3.0	51.2	
70-74	457,380	2.1	205,575	1.9	251,805	2.3	51.1	
75-79	325,510	1.5	139,995	1.3	185,515	1.7	57.0	
80-84	204,170	0.9	85,680	0.8	118,490	1.1	56.0	
85-89	100,010	0.5	40,625	0.4	59,385	0.6	59.4	
90+	37,380	0.2	13,940	0.1	23,435	0.2	62.7	
TOTALS	21,568,310	100.0	10,795,370	100.0	10,772,940	100.0	49.9	

CANADA

AGE GROUP	POP.	% TOT.	MALES			FEMALES		
			POP.	% TOT.	% AGE GROUP	POP.	% TOT.	% AGE GROUP
0-4	637,260	8.3	326,250	8.5	311,015	8.1	48.8	
5-9	783,515	10.4	401,165	10.4	382,350	9.9	48.8	
10-14	787,715	10.2	403,685	10.8	384,035	10.0	48.6	
15-19	713,365	9.2	362,150	9.4	351,215	9.1	48.2	
20-24	674,130	8.8	334,880	8.7	339,255	8.8	50.8	
25-29	567,345	7.4	286,675	7.8	280,665	7.3	49.8	
30-34	478,145	6.2	242,045	6.3	236,105	6.1	49.4	
35-39	468,515	6.0	239,255	6.2	229,265	6.0	48.9	
40-44	474,150	6.2	242,000	6.3	232,150	6.0	48.0	
45-49	469,815	6.1	232,560	6.1	237,255	6.1	50.8	
50-54	381,135	4.8	188,770	4.8	192,360	4.9	50.8	
55-59	343,550	4.8	170,440	4.8	173,115	4.8	50.4	
60-64	280,050	3.4	136,120	3.5	143,930	3.7	51.4	
65-69	227,765	3.0	106,075	2.8	121,695	3.2	53.4	
70-74	171,465	2.2	74,390	2.0	97,080	2.6	54.6	
75-79	120,960	1.5	48,855	1.3	72,105	1.9	59.6	
80-84	74,375	1.0	28,250	0.7	46,125	1.2	62.0	
85-89	35,920	0.6	12,965	0.3	22,955	0.6	63.9	
90+	13,925	0.2	4,390	0.1	9,530	0.2	66.3	
TOTALS	7,703,105	100.0	3,840,905	100.0	3,862,200	100.0	50.1	

ONTARIO

1971 CENSUS

NOTE: Pop. figures rounded to nearest 5 units. Additions of pop. figures may not yield totals listed.

AGE GROUP	MALES			FEMALES		
	POP.	% TOT.	% MALE GROUP	POP.	% FEM. GROUP	% TOT. AGE GROUP
0-4	1,732,000	7.8	7.8	843,355	7.3	40.7
5-9	1,887,805	8.2	8.4	921,080	8.0	42.6
10-14	2,276,375	9.8	10.2	1,111,730	9.6	48.0
15-19	2,345,255	10.2	10.4	1,149,280	10.0	48.0
20-24	2,133,805	9.8	9.3	1,068,040	9.3	50.1
25-29	1,993,080	8.7	8.7	992,540	8.6	48.6
30-34	1,627,485	7.1	7.2	804,795	7.0	48.0
35-39	1,328,790	6.0	6.0	657,450	6.7	49.5
40-44	1,268,220	5.8	5.6	624,640	5.4	48.3
45-49	1,252,845	5.4	5.5	622,370	5.3	49.7
50-54	1,220,180	5.3	5.2	624,465	5.4	51.2
55-59	1,019,035	4.4	4.3	526,775	4.6	51.7
60-64	905,400	4.0	3.8	469,615	4.1	51.9
65-69	720,815	3.1	3.0	382,300	3.3	53.0
70-74	533,725	2.3	2.1	292,360	2.8	54.9
75-79	362,705	1.6	1.3	212,275	1.8	56.8
80-84	220,560	1.0	0.7	135,310	1.2	61.3
85-89	112,380	0.5	0.4	70,900	0.6	63.1
90+	52,160	0.2	0.2	33,795	0.3	64.8
TOTALS	22,992,605	100.0	100.0	11,543,080	100.0	50.2
median age	27.8			28.4		

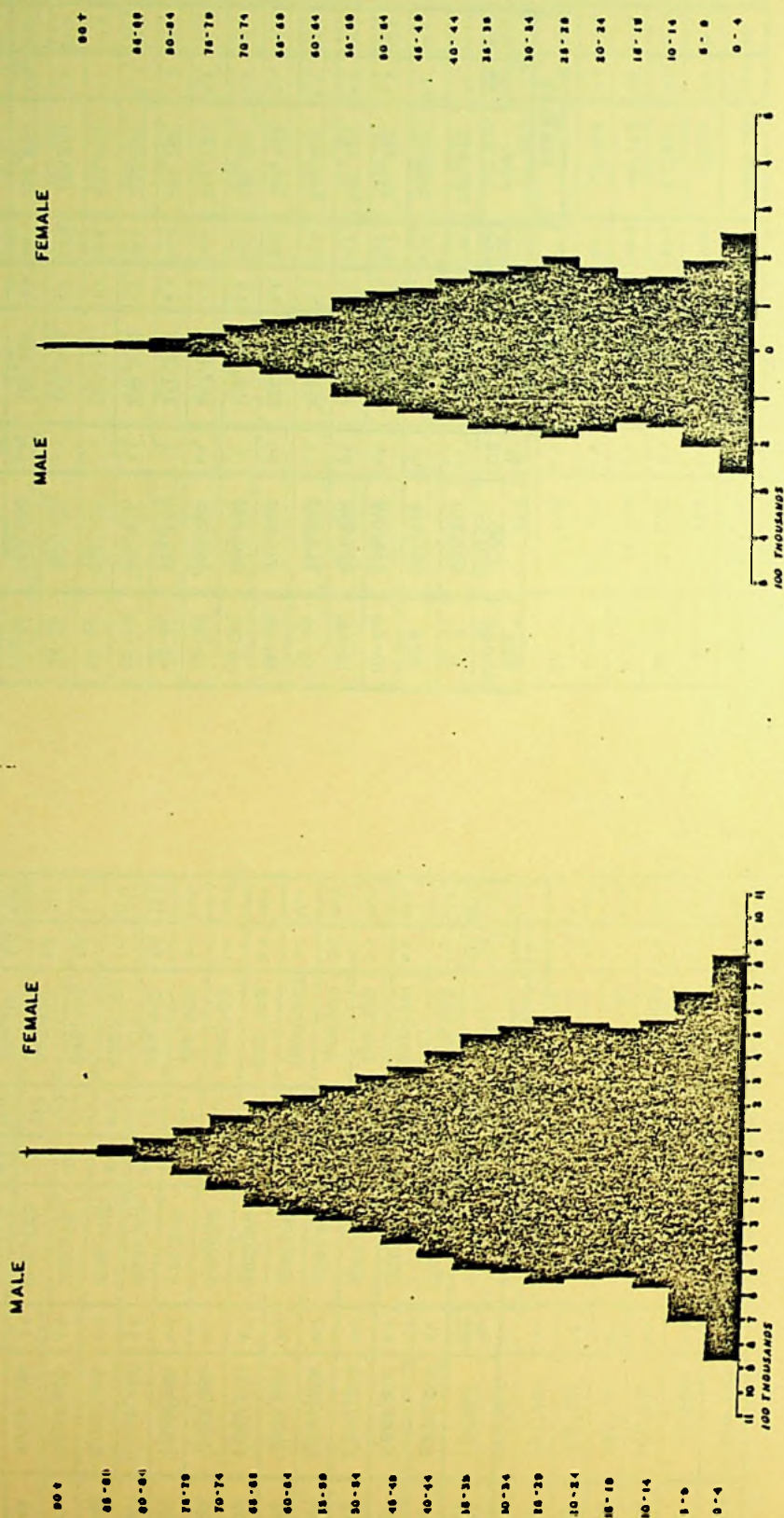
27.2

CANADA

AGE GROUP	MALES			FEMALES		
	POP.	% TOT.	% MALE GROUP	POP.	% FEM. GROUP	% TOT. AGE GROUP
0-4	607,210	7.3	7.6	311,735	7.1	48.7
5-9	667,816	8.1	8.4	341,965	7.6	48.8
10-14	798,760	9.7	10.0	409,285	9.3	48.6
15-19	807,990	9.8	10.1	412,665	9.6	48.9
20-24	744,365	9.0	9.0	366,270	9.0	50.8
25-29	715,820	8.7	8.7	356,355	8.6	50.2
30-34	586,445	7.1	7.2	295,655	7.0	49.6
35-39	409,995	6.9	6.9	247,265	6.6	49.5
40-44	474,550	6.7	6.9	240,785	6.5	49.3
45-49	471,915	6.7	6.8	238,955	6.8	49.4
50-54	465,005	6.4	6.4	227,130	6.7	51.2
55-59	369,375	4.8	4.4	179,005	4.8	51.6
60-64	326,305	3.9	3.8	157,485	4.7	51.7
65-69	260,930	3.2	3.0	120,535	3.3	53.8
70-74	197,270	2.4	2.1	86,385	2.7	58.2
75-79	137,020	1.7	1.5	54,360	2.0	60.3
80-84	82,955	1.0	0.7	29,670	1.3	64.2
85-89	41,495	0.5	0.3	13,495	0.7	67.8
90+	19,225	0.2	0.1	5,865	0.3	68.8
TOTALS	8,264,465	100.0	100.0	4,096,865	100.0	50.4
median age	27.9			29.2		

29.2

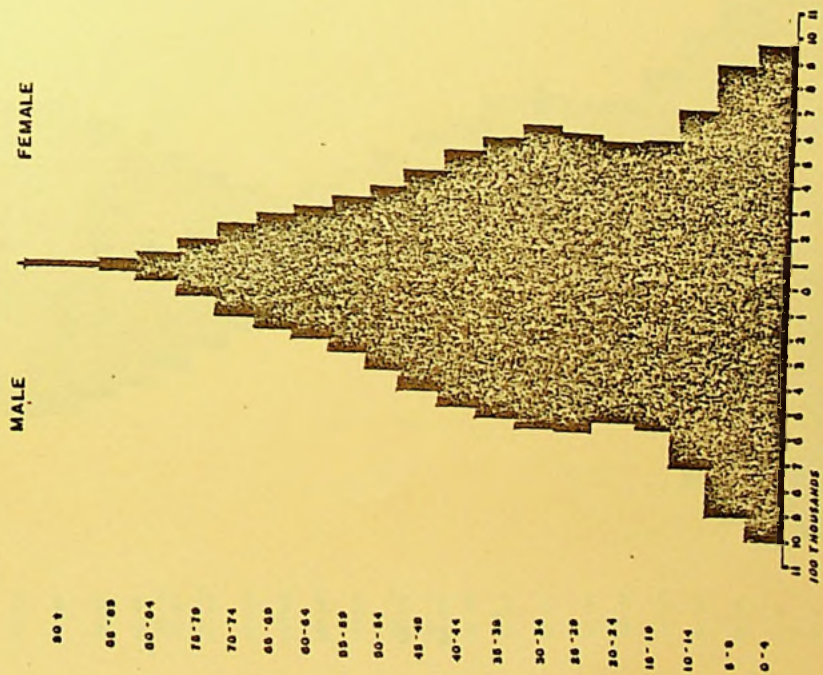
ONTARIO



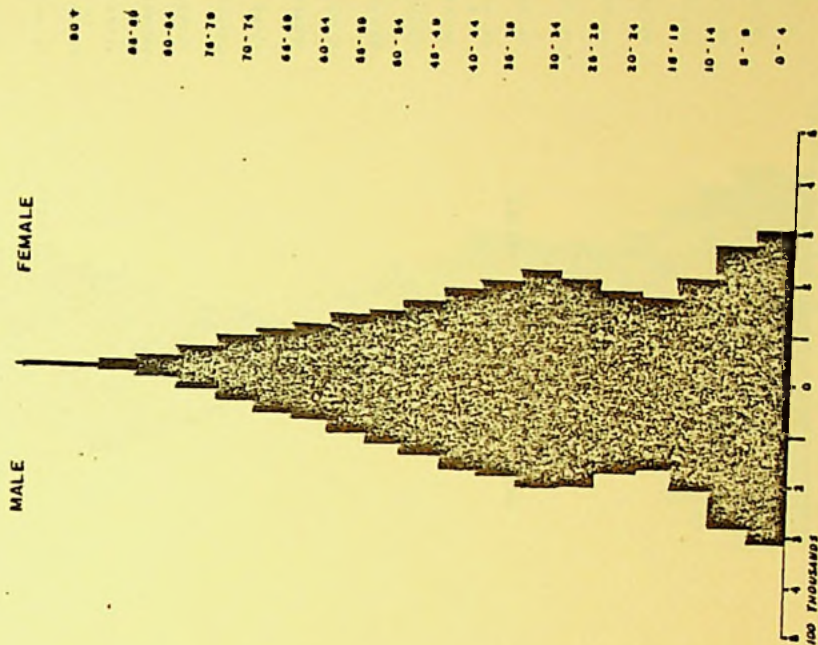
CANADA

ONTARIO

1951 CENSUS

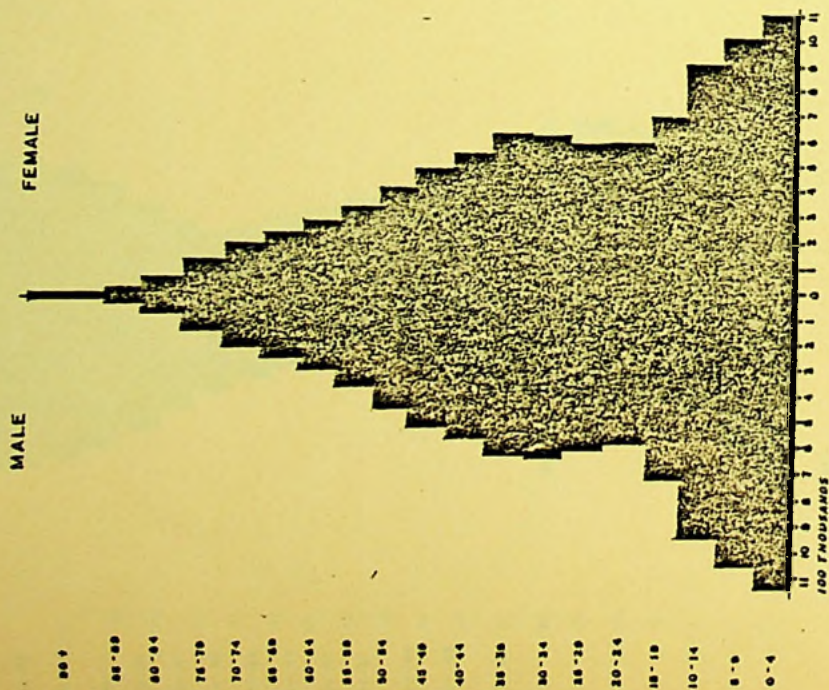


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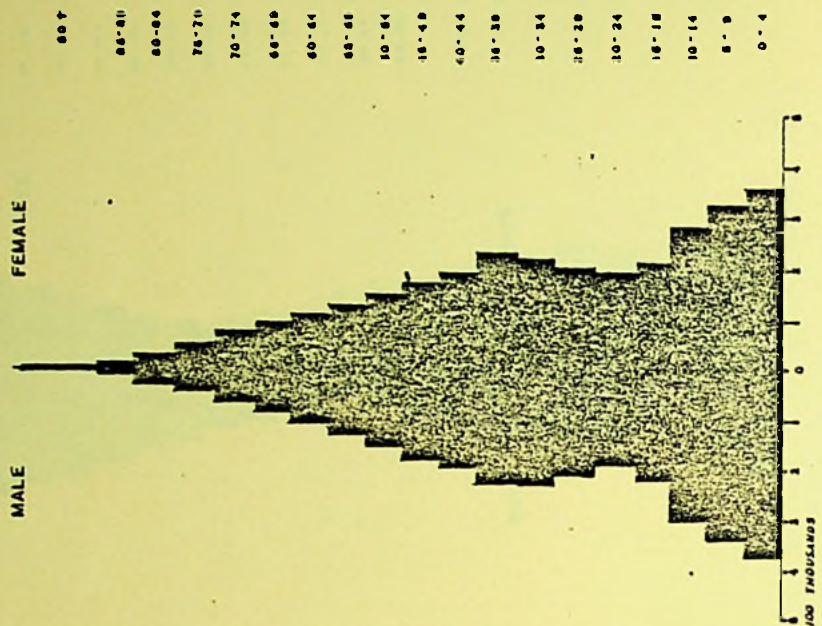


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1956 CENSUS

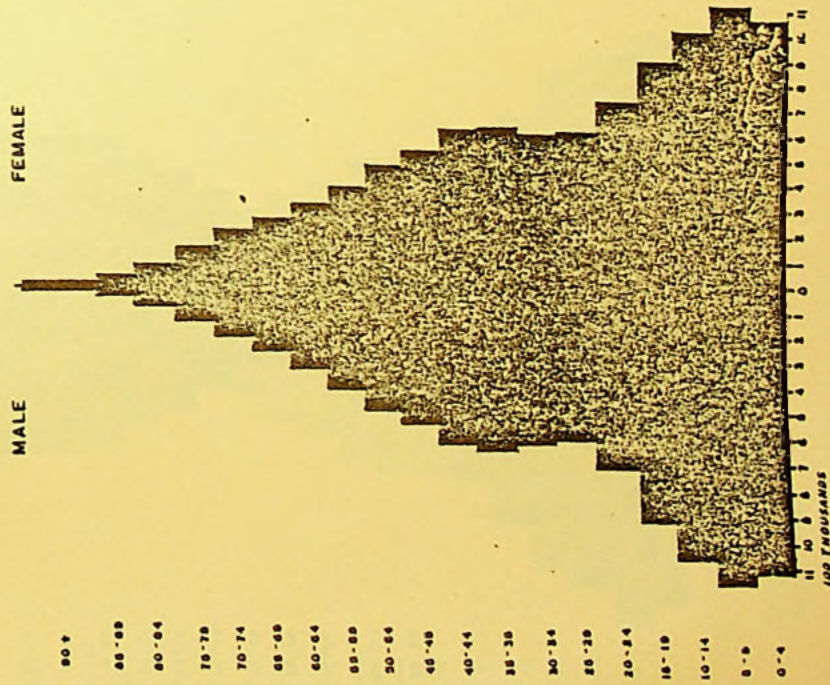
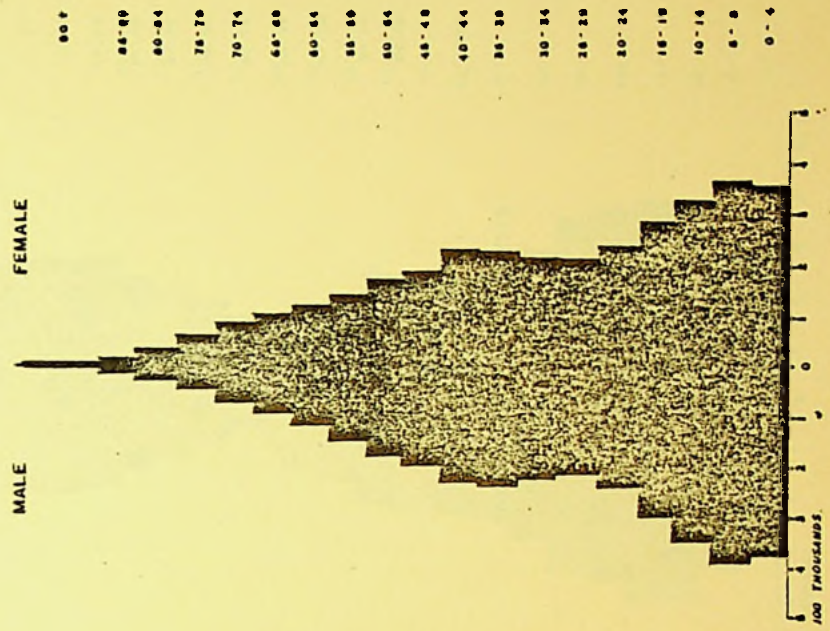


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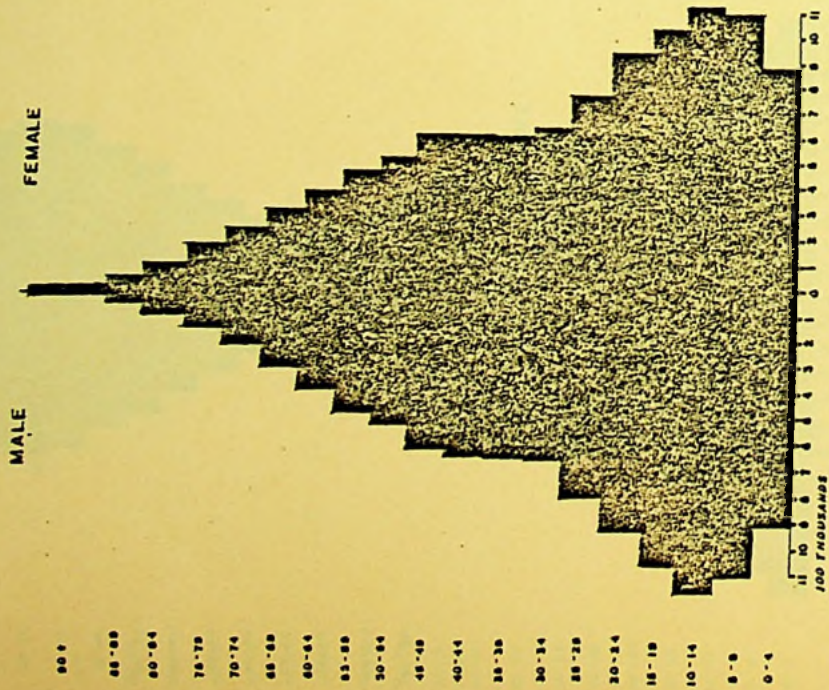
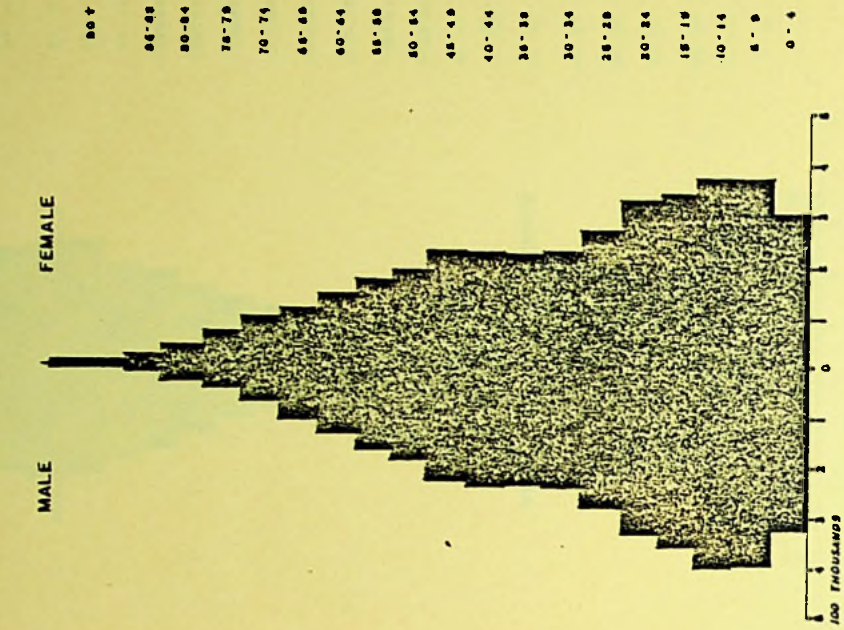


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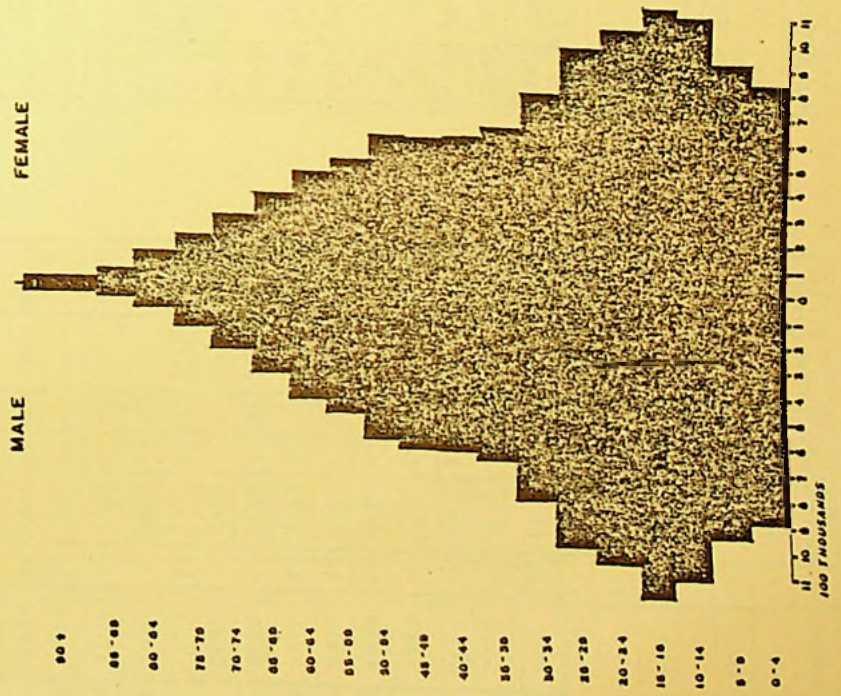
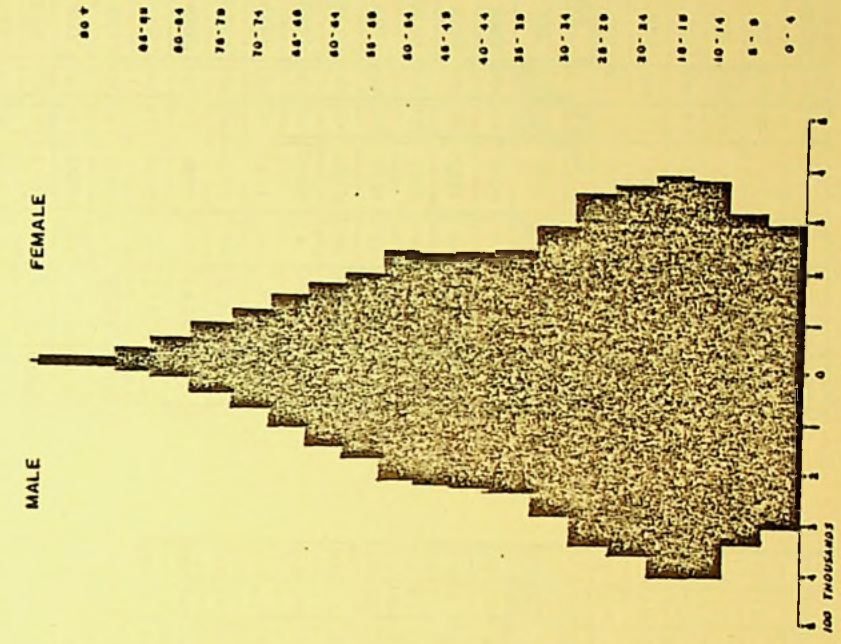
1961 CENSUS



1966 CENSUS



1971 CENSUS



1976 CENSUS

AGE GROUP	MALES			FEMALES		
	POP.	% TOT.	% MLE AGE GRP.	POP.	% TOT.	% FE. AGE GRP.
0-4	8622	11.8	12.3	4145	11.4	11.4
5-9	6424	8.6	9.1	3101	8.8	8.8
10-14	5264	7.2	7.4	2557	7.0	7.0
15-19	4874	6.7	6.3	2433	6.7	6.7
20-24	5419	7.4	7.3	2771	7.6	7.6
25-29	5811	8.0	7.7	3012	8.3	8.3
30-34	5535	7.6	7.6	2777	7.6	7.6
35-39	5442	7.6	7.6	2715	7.4	7.4
40-44	4725	6.5	6.7	2279	6.3	6.3
45-49	4061	5.4	5.8	1966	5.4	5.4
50-54	3769	5.2	5.2	1884	5.2	5.2
55-59	3230	4.4	4.8	1668	4.6	4.6
60-64	2926	4.0	3.9	1512	4.1	4.1
65-69	2569	3.5	3.5	1297	3.6	3.6
70-74	1944	2.7	2.4	1046	2.9	2.9
75-79	1273	1.8	1.6	716	2.0	2.0
80-84	600	0.8	0.7	331	0.9	0.9
85-89	274	0.4	0.3	174	0.5	0.5
90+	95	0.1	0.1	68	0.2	0.2
TOTALS	72,857	100.0	100.0	36,405	100.0	100.0

Brant County

Including City of Brantford

AGE GROUP	MALES			FEMALES		
	POP.	%	% MLE AGE GRP.	POP.	%	% FE. AGE GRP.
0-4	3935	10.7	11.5	1896	10.1	10.2
5-9	2749	7.6	8.0	1319	7.0	7.0
10-14	2307	6.3	6.5	1127	6.0	6.0
15-19	2440	6.6	6.8	1274	6.6	6.6
20-24	3071	8.4	8.2	1603	8.8	8.8
25-29	3115	8.9	8.2	1643	8.7	8.7
30-34	2789	7.6	7.7	1404	7.5	7.5
35-39	2713	7.4	7.4	1359	7.2	7.2
40-44	2378	6.5	6.4	1191	6.3	6.3
45-49	2088	5.7	5.8	1047	5.6	5.6
50-54	2025	5.6	5.4	1056	5.6	5.6
55-59	1752	4.8	4.8	943	5.0	5.0
60-64	1639	4.4	4.4	880	4.7	4.7
65-69	1410	3.6	3.6	726	3.9	3.9
70-74	1108	3.0	2.7	623	3.3	3.3
75-79	687	1.8	1.6	409	2.2	2.2
80-84	321	0.8	0.8	185	1.0	1.0
85-89	142	0.4	0.3	97	0.5	0.5
90+	58	0.1	0.1	42	0.2	0.2
TOTALS	36,727	100.0	100.0	18,824	100.0	100.0

City of Brantford

1951 CENSUS

AGE GROUP	MALES			FEMALES		
	POP.	% TOT.	% MLE AGE GRP.	POP.	% TOT.	% FE. AGE GRP.
0-4	4687	13.0	13.2	2249	12.8	12.8
5-9	3675	10.2	10.2	1782	10.1	10.1
10-14	2957	8.2	8.3	1430	8.1	8.1
15-19	2434	6.7	6.9	1159	6.6	6.6
20-24	2348	6.8	6.4	1168	6.6	6.6
25-29	2696	7.8	7.2	1369	7.8	7.8
30-34	2746	7.6	7.4	1373	7.8	7.8
35-39	2729	7.8	7.4	1356	7.7	7.7
40-44	2347	6.8	6.8	1088	6.2	6.2
45-49	1973	5.6	5.7	919	5.2	5.2
50-54	1744	4.8	4.6	828	4.7	4.7
55-59	1478	4.1	4.0	725	4.1	4.1
60-64	1287	3.6	3.6	632	3.7	3.7
65-69	1159	3.2	3.2	571	3.2	3.2
70-74	836	2.3	2.2	423	2.4	2.4
75-79	586	1.6	1.5	307	1.7	1.7
80-84	279	0.8	0.7	146	0.8	0.8
85-89	132	0.3	0.3	77	0.4	0.4
90+	37	0.1	0.1	26	0.1	0.1
TOTALS	36,130	100.0	100.0	17,628	100.0	100.0

Brant County

Excluding City of Brantford

AGE GROUP	MALES			FEMALES		
	POP.	% TOT.	% AGE GROUP	POP.	% TOT.	% AGE GROUP
0-4	8845	11.3	11.6	4376	11.1	11.1
5-9	8589	11.0	11.4	4174	10.8	10.8
10-14	6448	8.3	8.5	3150	8.0	8.0
15-19	5065	6.5	6.8	2534	6.4	6.4
20-24	4730	6.1	6.9	2459	6.2	6.2
25-29	5232	6.7	6.6	2688	6.9	6.9
30-34	5648	7.2	7.1	2910	7.4	7.4
35-39	5515	7.1	6.9	2836	7.2	7.2
40-44	5308	6.8	6.6	2632	6.7	6.7
45-49	4650	6.0	6.2	2265	5.8	5.8
50-54	3939	5.1	5.3	1910	5.0	5.0
55-59	3510	4.5	4.6	1782	4.5	4.5
60-64	2923	3.7	3.8	1532	3.9	3.9
65-69	2688	3.5	3.3	1422	3.6	3.6
70-74	2243	2.9	2.7	1204	3.1	3.1
75-79	1435	1.8	1.7	764	1.9	1.9
80-84	812	1.0	0.9	490	1.2	1.2
85-89	300	0.4	0.3	181	0.5	0.5
90+	112	0.1	0.1	81	0.2	0.2
TOTALS	77,992	100.0	100.0	38,602	100.0	100.0

Brant County

Including City of Brantford

AGE GROUP	MALES			FEMALES		
	POP.	% TOT.	% AGE GROUP	POP.	% TOT.	% AGE GROUP
0-4	5703	11.0	11.3	2836	10.6	10.6
5-9	5543	10.7	11.2	2709	10.2	10.2
10-14	4054	7.9	8.3	1957	7.4	7.4
15-19	3174	6.1	6.0	1641	6.2	6.2
20-24	3168	6.1	6.8	1702	6.4	6.4
25-29	3663	7.1	7.0	1891	7.1	7.1
30-34	3960	7.6	7.4	2087	7.6	7.6
35-39	3786	7.3	7.2	1963	7.4	7.4
40-44	3658	7.1	7.2	1835	6.9	6.9
45-49	3103	6.0	6.2	1532	5.7	5.7
50-54	2628	5.1	5.1	1326	5.0	5.0
55-59	2349	4.5	4.4	1227	4.6	4.6
60-64	1962	3.8	3.8	1035	3.9	3.9
65-69	1803	3.5	3.2	994	3.7	3.7
70-74	1554	3.0	2.8	847	3.2	3.2
75-79	953	1.8	1.7	516	1.9	1.9
80-84	545	1.1	1.1	333	1.2	1.2
85-89	188	0.3	0.3	116	0.4	0.4
90+	75	0.1	0.1	61	0.2	0.2
TOTALS	51,869	100.0	100.0	26,608	100.0	100.0

City of Brantford

AGE GROUP	MALES			FEMALES		
	POP.	% TOT.	% AGE GROUP	POP.	% TOT.	% AGE GROUP
0-4	3142	12.0	12.0	1540	12.0	12.0
5-9	3046	11.7	11.8	1465	11.5	11.5
10-14	2394	9.2	9.0	1193	9.3	9.3
15-19	1891	7.2	7.5	893	7.0	7.0
20-24	1562	6.0	6.0	757	6.0	6.0
25-29	1569	6.0	5.8	797	6.3	6.3
30-34	1688	6.5	6.6	823	6.5	6.5
35-39	1729	6.6	6.4	873	6.9	6.9
40-44	1650	6.5	6.4	797	6.3	6.3
45-49	1547	5.9	6.1	733	5.7	5.7
50-54	1311	5.0	5.4	584	4.6	4.6
55-59	1161	4.5	4.8	555	4.4	4.4
60-64	961	3.7	3.8	497	3.9	3.9
65-69	885	3.4	3.4	428	3.4	3.4
70-74	689	2.6	2.8	357	2.8	2.8
75-79	482	1.9	1.8	248	1.9	1.9
80-84	267	1.0	1.0	157	1.2	1.2
85-89	112	0.4	0.4	65	0.5	0.5
90+	37	0.1	0.1	20	0.2	0.2
TOTALS	26,123	100.0	100.0	12,782	100.0	100.0

Brant County

Excluding City of Brantford

AGE GROUP	MALES			FEMALES		
	POP.	% TOT.	% AGE GROUP	POP.	% TOT.	% AGE GROUP
0-4	9002	10.7	11.2	4318	10.3	10.3
5-9	8948	10.7	10.8	4397	10.4	10.4
10-14	8616	10.3	10.7	4144	9.8	10.1
15-19	6267	7.8	7.7	3047	7.2	10.8
20-24	4901	6.4	6.8	2492	6.8	10.8
25-29	4767	6.7	6.4	2430	6.8	11.0
30-34	5434	6.8	6.8	2751	6.8	10.4
35-39	5792	6.9	6.9	2972	7.1	11.3
40-44	5397	6.4	6.4	2748	6.8	10.9
45-49	5194	6.2	6.2	2613	6.3	10.3
50-54	4531	6.4	6.5	2241	6.3	10.0
55-59	3712	4.4	4.4	1863	4.4	10.2
60-64	3136	3.7	3.7	1611	3.8	11.4
65-69	2691	3.2	3.0	1431	3.4	12.2
70-74	2374	2.8	2.8	1330	3.1	10.0
75-79	1655	2.0	1.8	914	2.2	10.2
80-84	892	1.1	0.9	513	1.2	10.8
85-89	383	0.5	0.3	247	0.6	10.8
90+	147	0.2	0.1	93	0.2	10.3
TOTALS	83,839	100.0	100.0	42,155	100.0	100.0

Brant County

Including City of Brantford

AGE GROUP	MALES			FEMALES		
	POP.	% TOT.	% AGE GROUP	POP.	% TOT.	% AGE GROUP
0-4	5671	10.3	10.0	2955	10.0	10.0
5-9	5615	10.2	10.0	2774	9.8	10.4
10-14	5443	9.8	10.4	2638	9.3	10.0
15-19	3967	7.2	7.4	1968	7.0	10.5
20-24	3319	6.0	6.7	1785	6.3	10.5
25-29	3211	5.8	6.7	1678	6.0	10.3
30-34	3610	6.5	6.6	1823	6.6	10.3
35-39	3927	7.1	6.8	2059	7.6	10.4
40-44	3629	6.6	6.6	1861	6.8	10.3
45-49	3562	6.5	6.5	1804	6.4	10.4
50-54	3046	5.8	6.7	1519	5.4	10.0
55-59	2495	4.6	4.4	1307	4.6	10.4
60-64	2119	3.8	3.7	1124	4.0	10.0
65-69	1837	3.3	3.3	981	3.5	10.4
70-74	1626	2.9	2.8	945	3.4	10.1
75-79	1149	2.1	1.9	642	2.3	10.0
80-84	608	1.1	0.9	360	1.3	10.2
85-89	267	0.3	0.3	180	0.8	10.4
90+	100	0.2	0.1	61	0.2	10.0
TOTALS	55,201	100.0	100.0	28,225	100.0	100.0

City of Brantford

Excluding City of Brantford

AGE GROUP	MALES			FEMALES		
	POP.	% TOT.	% AGE GROUP	POP.	% TOT.	% AGE GROUP
0-4	3331	11.4	11.0	1602	11.6	11.6
5-9	3333	11.6	11.0	1623	11.7	11.7
10-14	3173	11.1	11.3	1506	10.8	10.8
15-19	2300	8.0	8.3	1079	7.7	10.0
20-24	1582	5.5	6.0	707	5.1	10.0
25-29	1556	5.4	6.1	752	5.4	10.0
30-34	1824	6.4	6.1	928	6.7	10.0
35-39	1865	6.6	6.6	913	6.5	10.0
40-44	1768	6.2	6.0	887	6.4	10.0
45-49	1632	6.7	6.6	809	6.5	10.0
50-54	1485	5.2	6.2	722	5.2	10.0
55-59	1217	4.2	4.8	556	4.0	10.0
60-64	1017	3.6	3.6	487	3.5	10.0
65-69	854	3.0	2.7	450	3.2	10.0
70-74	748	2.6	2.9	385	2.7	10.0
75-79	506	1.8	1.9	272	2.0	10.0
80-84	284	1.0	0.9	153	1.1	10.0
85-89	116	0.4	0.3	67	0.5	10.0
90+	47	0.2	0.1	32	0.2	10.0
TOTALS	28,638	100.0	100.0	13,930	100.0	100.0

Brant County

Excluding City of Brantford

AGE GROUP	MALES			FEMALES		
	POP.	% TOT.	TOT. AGE GROUP	POP.	% TOT.	TOT. AGE GROUP
0-4	9559	10.8	4922	4637	10.1	488.0
5-9	9606	10.6	5001	4605	10.0	47.8
10-14	9099	10.0	4632	4467	9.8	48.1
15-19	8448	9.3	4321	4127	8.0	48.9
20-24	6176	6.8	3143	3033	6.5	48.1
25-29	5055	5.6	2541	2514	5.8	48.7
30-34	4982	5.5	2494	2498	5.8	48.1
35-39	5563	6.1	2724	2839	6.2	48.0
40-44	5706	6.3	2791	2915	6.5	47.1
45-49	5265	5.8	2561	2704	6.0	47.4
50-54	5029	5.5	2458	2571	5.8	47.1
55-59	4230	4.6	2158	2072	4.8	48.0
60-64	3463	3.8	1673	1790	3.9	47.7
65-69	2864	3.1	1336	1528	3.3	48.4
70-74	2374	2.6	1012	1362	3.0	47.4
75-79	1730	1.8	711	1019	2.2	48.9
80-84	1111	1.2	445	666	1.8	48.9
85-89	512	0.6	178	334	0.7	48.3
90+	163	0.2	41	122	0.3	47.8
TOTALS	90,945	100.0	45,142	45,803	100.0	48.4

Brant County

Including City of Brantford

AGE GROUP	MALES			FEMALES		
	POP.	% TOT.	TOT. AGE GROUP	POP.	% TOT.	TOT. AGE GROUP
0-4	5976	10.0	3098	2878	9.4	48.2
5-9	5986	10.0	3136	2850	9.3	47.8
10-14	5751	9.6	2919	2832	9.3	48.2
15-19	5471	9.1	2724	2747	9.0	48.2
20-24	4360	7.3	2161	2199	7.2	48.4
25-29	3402	5.7	1707	1695	5.8	48.6
30-34	3282	5.5	1620	1662	5.8	48.6
35-39	3676	6.1	1814	1862	6.1	48.7
40-44	3827	6.4	1812	2015	6.4	48.7
45-49	3510	5.9	1691	1819	6.0	48.8
50-54	3393	5.7	1656	1737	5.7	48.2
55-59	2813	4.7	1419	1394	4.6	48.6
60-64	2341	3.9	1079	1262	4.1	48.8
65-69	1980	3.3	898	1082	3.8	48.4
70-74	1642	2.7	683	959	3.1	48.4
75-79	1198	2.0	466	732	2.4	48.1
80-84	795	1.3	320	475	1.6	48.7
85-89	332	0.6	113	219	0.7	48.0
90+	119	0.2	30	89	0.3	47.8
TOTALS	59,854	100.0	29,346	30,508	100.0	48.0

City of Brantford

AGE GROUP	MALES			FEMALES		
	POP.	% TOT.	TOT. AGE GROUP	POP.	% TOT.	TOT. AGE GROUP
0-4	3583	11.8	1824	1759	11.8	48.1
5-9	3620	11.4	1865	1755	11.8	48.0
10-14	3348	10.8	1713	1635	10.7	48.8
15-19	2977	9.6	1597	1380	9.0	48.4
20-24	1816	5.9	982	834	5.4	48.8
25-29	1653	5.3	834	819	5.3	48.8
30-34	1710	5.3	874	836	5.8	48.8
35-39	1887	6.1	910	977	6.4	48.8
40-44	1879	6.0	979	900	5.8	47.8
45-49	1755	5.6	870	885	5.8	48.4
50-54	1636	5.3	802	834	5.8	48.0
55-59	1417	4.6	739	678	4.4	47.8
60-64	1122	3.6	594	528	3.8	47.1
65-69	884	2.8	438	446	2.9	48.0
70-74	732	2.4	329	403	2.6	48.0
75-79	532	1.7	245	287	1.9	48.9
80-84	316	1.0	125	191	1.2	48.4
85-89	180	0.6	65	115	0.8	48.8
90+	44	0.1	11	33	0.2	47.8
TOTALS	31,091	100.0	15,796	15,295	100.0	48.2

Brant County

Excluding City of Brantford

AGE GROUP	MALES			FEMALES		
	POP.	% TOT.	POP. / 1000 Males	POP.	% TOT.	POP. / 1000 Females
0-4	7740	8.0	3970	3770	7.8	48.7
5-9	9930	10.3	5145	4785	8.8	48.2
10-14	9665	10.0	5015	4650	8.8	48.1
15-19	9335	9.4	4725	4610	8.8	48.4
20-24	8205	8.8	4220	3980	8.2	48.8
25-29	6270	6.8	3170	3100	6.4	48.4
30-34	5315	6.6	2710	2605	6.8	48.0
35-39	5245	6.4	2675	2570	6.3	48.0
40-44	5565	6.6	2785	2785	6.7	50.8
45-49	5835	6.0	2875	2965	6.1	30.8
50-54	5200	6.4	2525	2670	6.6	81.4
55-59	4895	6.1	2405	2485	6.1	80.8
60-64	4035	4.2	1995	2045	4.2	90.6
65-69	3260	3.3	1490	1770	6.6	84.3
70-74	2450	2.6	1055	1400	6.9	81.0
75-79	1800	1.9	690	1100	2.3	81.8
80-84	1195	1.2	435	760	1.8	83.6
85-89	605	0.6	240	365	0.8	80.3
90+	220	0.2	60	160	0.3	72.7
TOTALS	96,770	100.0	48,185	48,585	100.0	80.3

Brant County

Including City of Brantford

AGE GROUP	MALES			FEMALES		
	POP.	% TOT.	POP. / 1000 Males	POP.	% TOT.	POP. / 1000 Females
0-4	5025	7.6	2585	2440	7.6	48.6
5-9	6140	8.8	3185	2960	9.1	48.2
10-14	6005	8.2	3110	2890	8.8	48.2
15-19	6065	8.4	3020	3040	8.8	80.1
20-24	5915	8.2	2955	2955	8.1	80.0
25-29	4430	6.8	2240	2190	6.7	48.4
30-34	3510	6.6	1810	1695	6.3	48.4
35-39	3495	6.4	1775	1720	6.3	48.2
40-44	3710	6.8	1880	1830	6.8	48.3
45-49	3945	6.1	1905	2045	6.3	81.8
50-54	3470	6.4	1690	1780	6.8	81.3
55-59	3365	6.2	1645	1715	6.2	81.0
60-64	2710	4.2	1320	1390	4.2	81.3
65-69	2250	3.8	965	1285	3.8	87.1
70-74	1715	2.7	710	1010	3.1	88.7
75-79	1235	1.8	445	790	2.4	84.0
80-84	840	1.3	295	545	1.7	84.9
85-89	440	0.7	165	275	0.8	82.3
90+	150	0.2	40	110	0.3	78.3
TOTALS	64,420	100.0	31,750	32,670	100.0	80.7

City of Brantford

Excluding City of Brantford

AGE GROUP	MALES			FEMALES		
	POP.	% TOT.	POP. / 1000 Males	POP.	% TOT.	POP. / 1000 Females
0-4	2715	6.4	1385	1330	6.4	48.0
5-9	3790	11.7	1960	1825	11.8	48.2
10-14	3660	11.3	1905	1760	11.3	48.0
15-19	3270	10.1	1705	1570	9.8	47.8
20-24	2290	7.1	1265	1025	6.4	44.8
25-29	1840	6.7	930	910	6.7	48.8
30-34	1805	6.8	900	910	6.7	80.3
35-39	1750	6.4	900	850	6.3	86.6
40-44	1855	6.7	905	955	6.0	81.3
45-49	1890	6.6	970	920	6.8	48.7
50-54	1730	6.4	835	890	6.8	81.6
55-59	1530	4.7	760	770	4.8	80.3
60-64	1325	4.1	675	655	4.1	82.2
65-69	1010	3.1	525	485	3.0	48.0
70-74	735	2.3	345	390	2.8	83.1
75-79	565	1.8	245	310	1.8	88.9
80-84	355	1.1	140	215	1.4	80.6
85-89	165	0.6	75	90	0.6	84.2
90+	70	0.2	20	50	0.3	71.4
TOTALS	32,350	100.0	16,435	15,915	100.0	48.2

Brant County

Excluding City of Brantford

AGE GROUP	MALES			FEMALES		
	POP.	% TOT.	% AGE GROUP	POP.	% TOT.	% AGE GROUP
0-4	7385	7.8	7.8	3800	7.8	7.1
5-9	8030	8.1	8.4	4100	8.4	7.8
10-14	9825	8.9	10.3	5065	10.3	9.5
15-19	9630	9.7	10.2	4975	10.2	9.3
20-24	8750	8.8	9.0	4390	9.0	8.7
25-29	7930	8.0	8.3	4060	8.3	7.7
30-34	6285	6.3	6.5	3170	6.5	6.2
35-39	5315	5.4	5.6	2725	5.6	5.2
40-44	5135	5.2	5.2	2540	5.2	5.2
45-49	5415	5.6	5.3	2615	5.3	5.1
50-54	5675	5.7	5.6	2775	5.6	5.4
55-59	4885	4.9	4.6	2335	4.6	4.1
60-64	4470	4.6	4.3	2095	4.3	4.1
65-69	3610	3.5	3.4	1690	3.4	3.8
70-74	2745	2.8	2.4	1180	2.4	3.1
75-79	1900	1.9	1.6	725	1.6	2.3
80-84	1170	1.2	0.8	380	0.8	1.6
85-89	660	0.7	0.4	195	0.4	0.8
90+	285	0.3	0.2	90	0.2	0.4
TOTALS	99,100	100.0	100.0	48,915	100.0	100.0

median age 28.6

27.7

29.9

Brant County

Including City of Brantford

AGE GROUP	MALES			FEMALES		
	POP.	% TOT.	% AGE GROUP	POP.	% TOT.	% AGE GROUP
0-4	5185	7.7	8.1	2655	8.1	7.4
5-9	5275	7.9	8.3	2705	8.3	7.5
10-14	6060	9.1	9.6	3115	9.6	8.6
15-19	6195	9.3	9.6	3145	9.6	8.9
20-24	6335	9.6	9.5	3115	9.5	9.4
25-29	5785	8.6	9.1	2955	9.1	8.8
30-34	4325	6.5	6.7	2210	6.7	6.2
35-39	3450	5.2	5.4	1765	5.4	4.9
40-44	3330	5.0	5.0	1625	5.0	5.0
45-49	3575	5.3	5.3	1725	5.3	5.4
50-54	3835	5.7	5.6	1825	5.6	5.9
55-59	3250	4.9	4.7	1530	4.7	5.0
60-64	3100	4.4	4.4	1440	4.4	4.8
65-69	2455	3.6	3.4	1110	3.4	3.9
70-74	1935	2.9	2.5	800	2.5	3.3
75-79	1345	2.0	1.8	480	1.8	2.8
80-84	825	1.2	0.8	255	0.8	1.7
85-89	465	0.7	0.4	155	0.4	0.9
90+	205	0.3	0.2	60	0.2	0.4
TOTALS	66,950	100.0	100.0	32,650	100.0	100.0

28.8

27.8

30.0

City of Brantford

1976 CENSUS

AGE GROUP	MALES			FEMALES		
	POP.	% TOT.	% AGE GROUP	POP.	% TOT.	% AGE GROUP
0-4	2200	6.6	7.0	1145	7.0	6.4
5-9	2755	8.6	8.6	1395	8.6	8.3
10-14	3765	11.7	12.0	1950	12.0	11.4
15-19	3435	10.7	11.3	1830	11.3	10.1
20-24	2415	7.8	7.8	1275	7.8	7.2
25-29	2145	6.7	6.8	1105	6.8	6.9
30-34	1960	6.1	6.9	960	6.1	6.3
35-39	1865	5.9	5.9	960	5.9	5.7
40-44	1805	5.6	5.6	915	5.6	5.5
45-49	1840	5.7	5.5	890	5.5	5.0
50-54	1840	5.7	5.8	950	5.8	5.6
55-59	1635	5.1	5.0	805	5.0	5.3
60-64	1370	4.3	4.0	655	4.0	4.4
65-69	1155	3.6	3.6	580	3.6	3.6
70-74	810	2.5	2.3	380	2.3	2.7
75-79	555	1.7	1.5	245	1.5	2.0
80-84	345	1.1	0.8	125	0.8	1.4
85-89	195	0.6	0.4	60	0.4	0.8
90+	80	0.2	0.2	30	0.2	0.3
TOTALS	32,150	100.0	100.0	16,265	100.0	100.0

median age 28.6

27.7

29.9

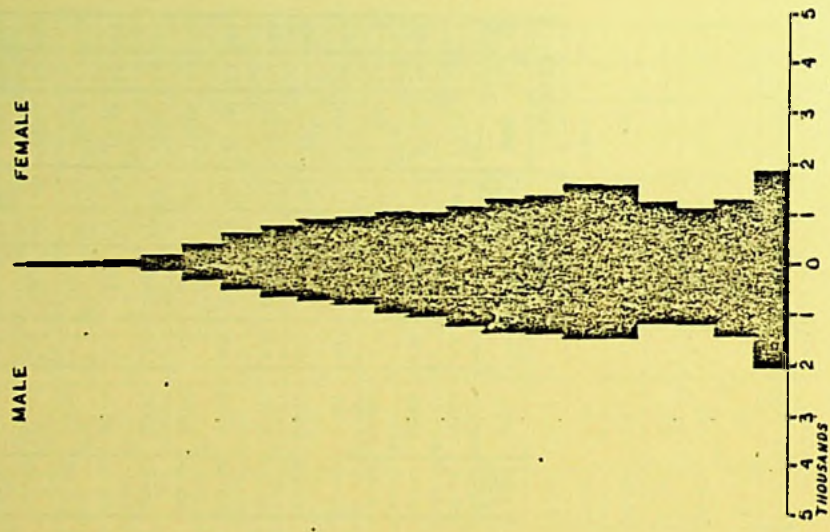
City of Brantford

Brant County

Excluding City of Brantford



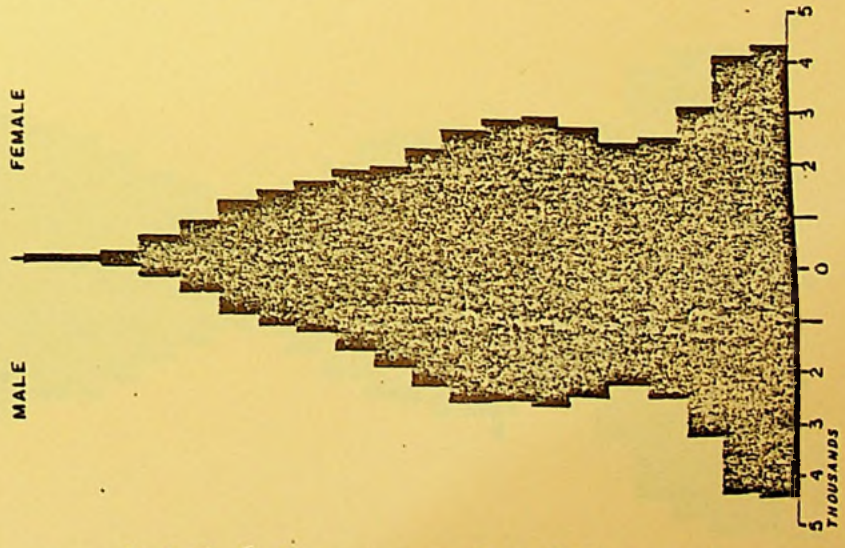
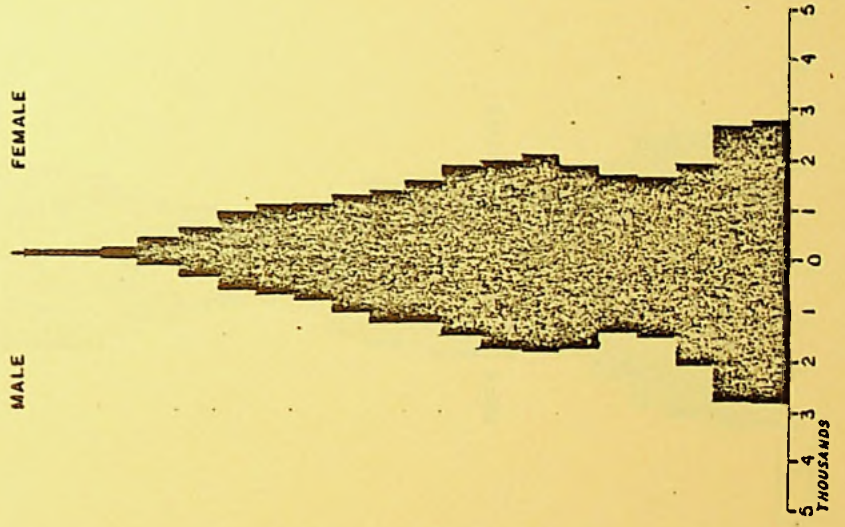
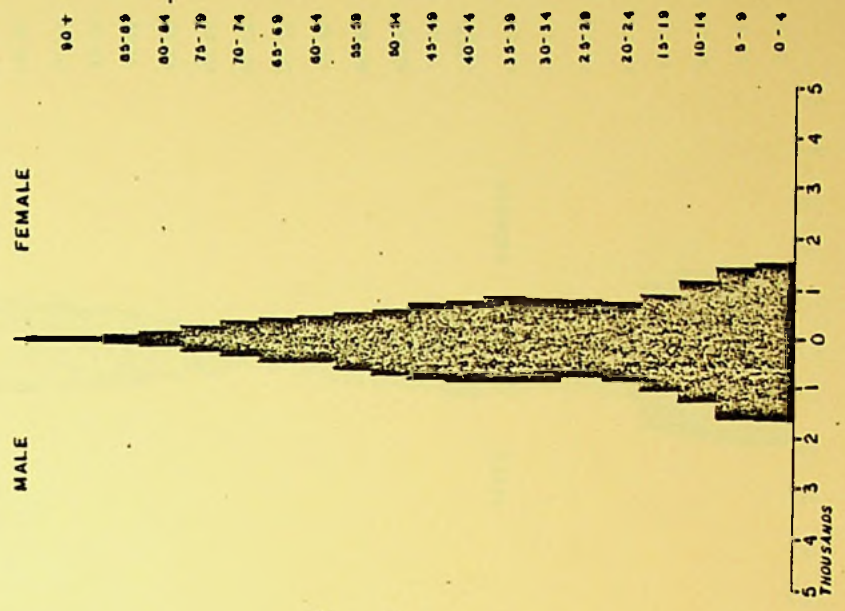
Brant County
Including City of Brantford



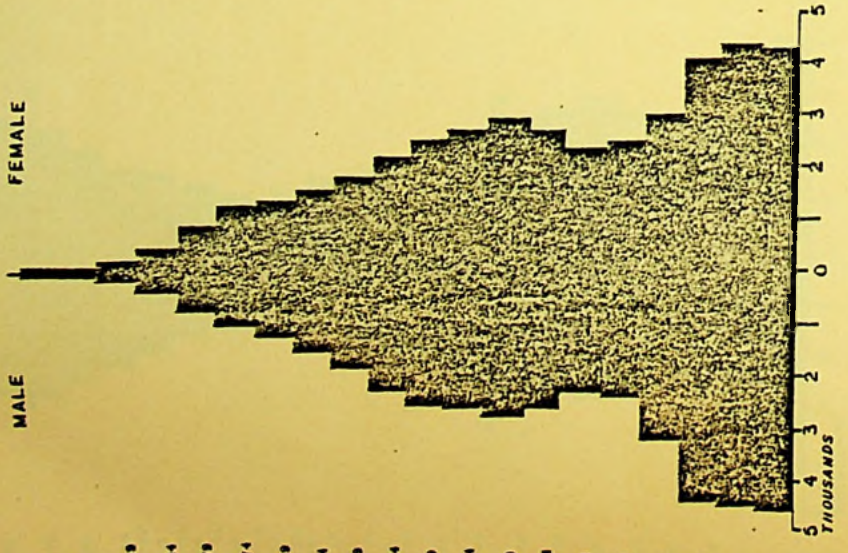
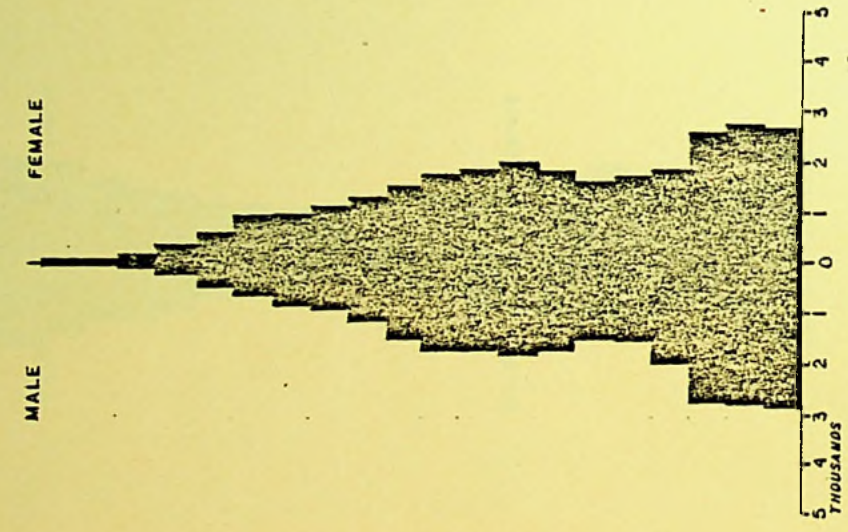
City of Brantford



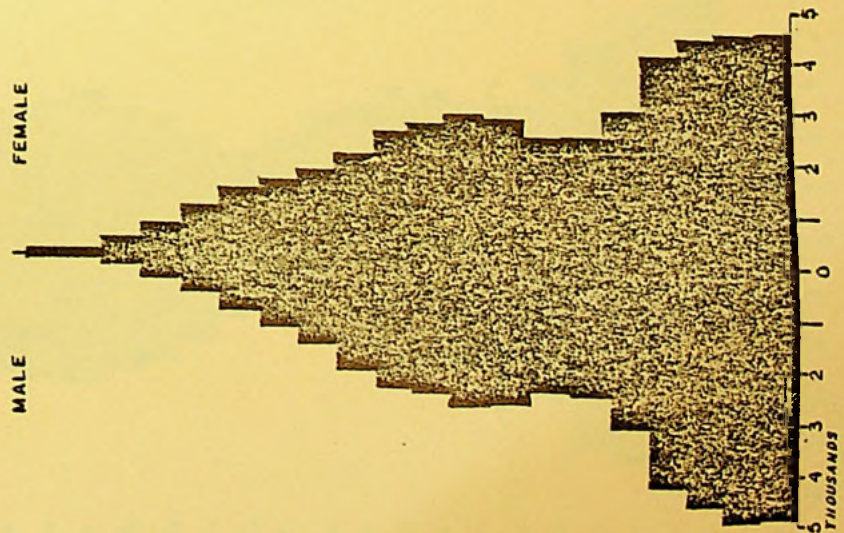
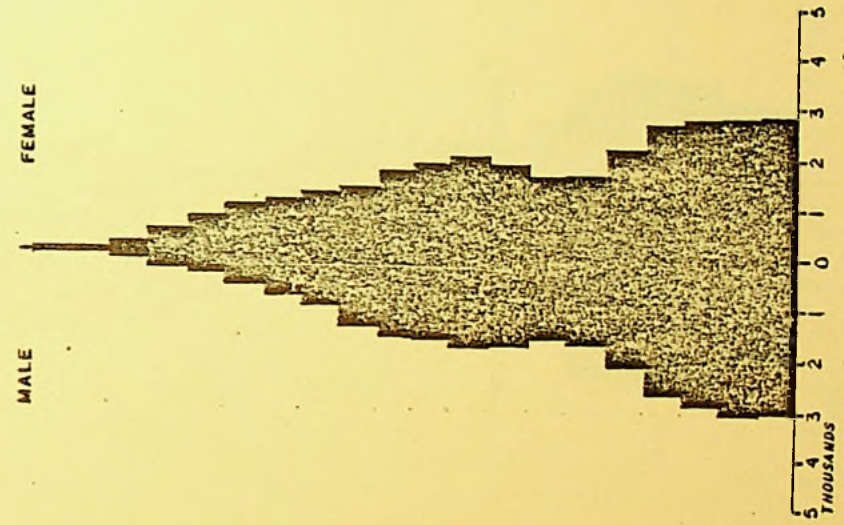
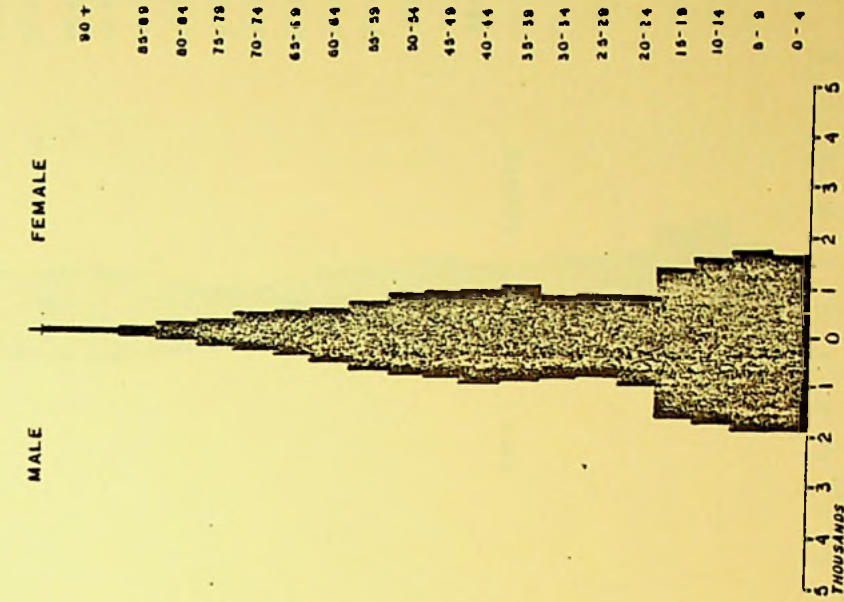
Brant County
Excluding City of Brantford



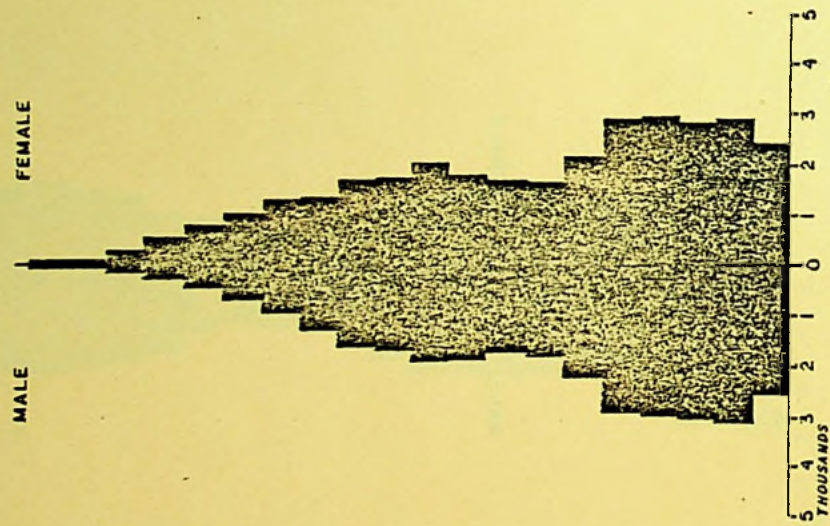
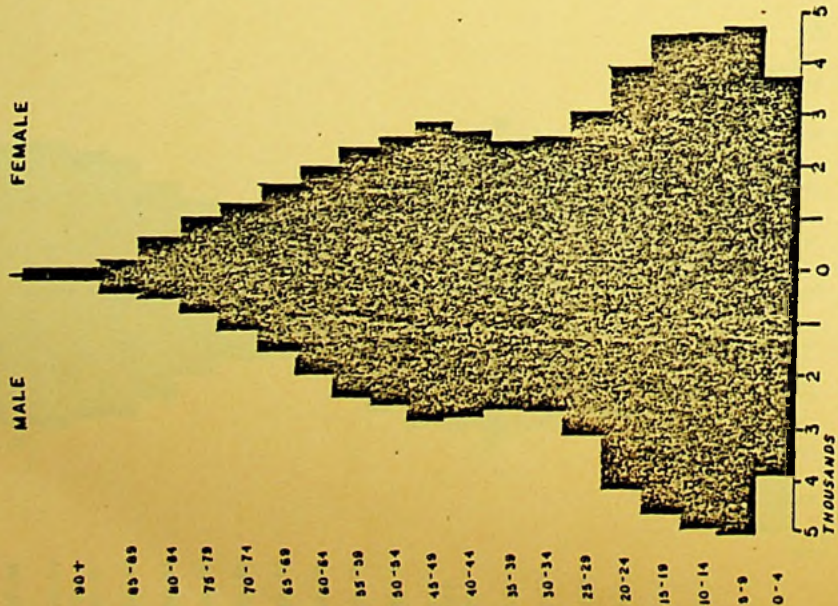
1956 CENSUS



1961 CENSUS

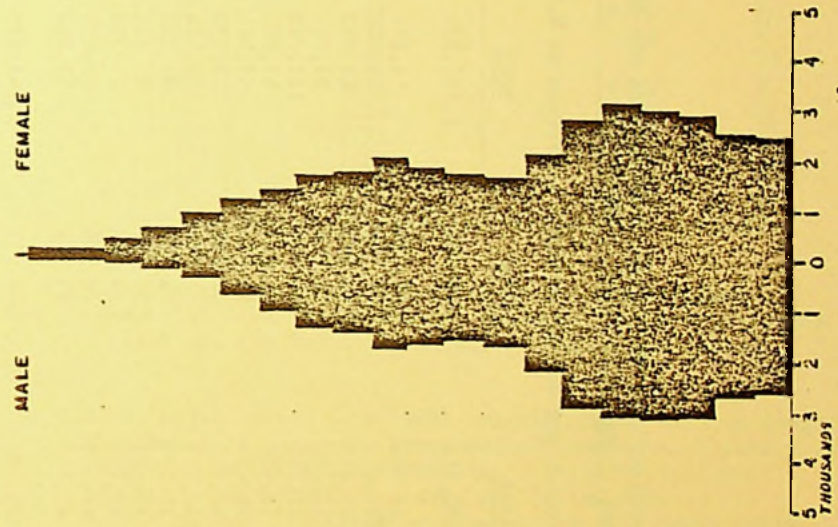


1966 CENSUS

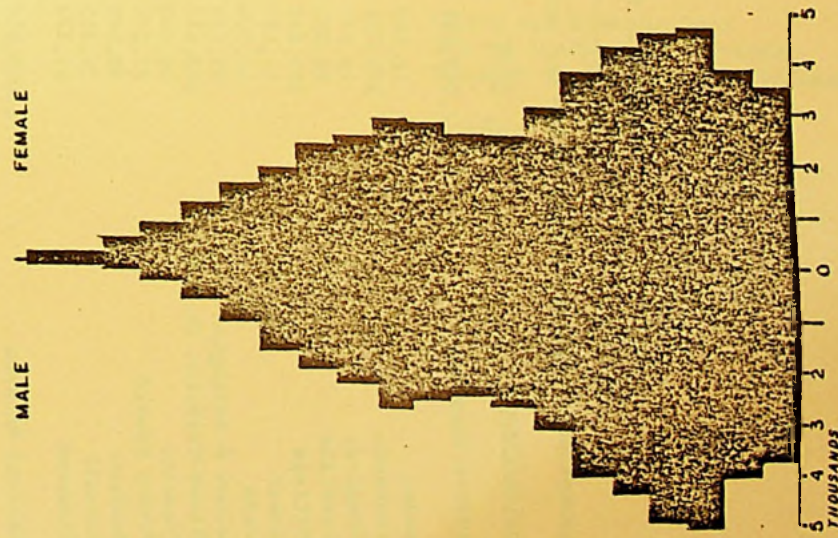




Brant County
Excluding City of Brantford



City of Brantford



Brant County
Including City of Brantford

1976 CENSUS

ONTARIO: POPULATION PROJECTIONS BY REGIONS AND COUNTIES FOR YEARS
1981, 1986, 1991, 1996, 2001

Assumptions: Low Fertility; 50,000 net external migration per annum; Internal migration at 0.54 per cent of Ontario population

Region/County	1976	1981	1986	1991	1996	2001
Eastern Ontario	1,149,299	1,200,113	1,248,081	1,286,370	1,310,234	1,322,403
Dundas	18,507	17,104	15,674	14,167	12,491	10,627
Frontenac	108,052	112,953	117,141	120,034	121,461	121,826
Glengarry	19,270	19,055	19,003	18,930	18,639	18,161
Greenville	26,025	27,004	29,056	31,947	33,930	35,682
Hastings	105,837	111,104	116,726	121,708	125,593	128,287
Lennox & Addington	44,197	43,420	42,761	41,905	40,706	39,175
Leeds	52,579	54,436	56,442	58,301	59,716	60,699
Ottawa-Carleton (R.M.)	32,633	32,812	32,876	32,779	32,411	31,787
Prevedott	520,533	551,226	582,009	604,576	619,782	629,315
Prince Edward	29,100	31,088	33,283	35,441	37,212	38,654
Renfrew	22,559	23,013	23,655	24,212	24,516	24,610
Russell	89,099	89,049	89,143	88,733	87,096	84,522
Stormont	19,735	22,064	26,206	29,697	33,070	36,281
	61,173	62,115	63,226	63,860	63,603	62,769
Central Ontario	5,050,849	5,374,382	5,676,251	5,941,179	6,156,446	6,325,563
Brant	99,099	105,800	112,694	119,245	124,900	129,052
Brantford (R.M.)	28,528	36,157	44,283	52,835	61,433	69,796
Burlington (R.M.)	247,473	282,496	318,043	355,393	390,212	422,353
Haldimand-Norfolk (R.M.)	89,252	91,325	97,666	101,019	105,290	108,060
Hamilton	10,795	11,891	13,138	14,415	15,660	16,847
Hamilton (R.M.)	228,497	261,026	295,090	329,594	362,260	392,002
Hamilton-Mountbath (R.M.)	409,490	423,784	436,027	444,504	448,376	448,331
Hastoka (R.M.)	36,691	39,759	43,177	46,613	49,838	52,789
Hogara (R.M.)	365,438	380,712	395,784	409,003	418,589	424,274
Hortumberland	64,441	68,123	72,318	76,553	80,338	83,590
Peel (R.M.)	375,910	459,296	545,089	632,972	720,064	803,859

Source: TEIGA Demographic Bulletin, October 1978.

TABLE 4

ONTARIO: TOTAL FERTILITY RATES AND GROSS REPRODUCTION RATES,
SELECTED YEARS, 1921-1976 AND PROJECTIONS TO 2001

YEAR	TOTAL FERTILITY ¹ RATE	GROSS REPRODUCTION ² RATE
1921	3.22	1.56
1926	2.73	1.33
1931	2.65	1.29
1936	2.22	1.08
1941	2.40	1.16
1946	2.97	1.43
1951	3.22	1.56
1956	3.66	1.78
1961	3.74	1.82
1966	2.79	1.36
1971	2.22	1.08
1972	2.05	0.99
1973	1.96	0.95
1974	1.88	0.92
1975	1.84	0.90
1976	1.77	0.87
1981	1.66	0.81
1986	1.58	0.77
1991	1.53	0.75
1996	1.50	0.73
2001	1.50	0.73

1 Total Fertility Rate (TFR) is the number of children a woman will have throughout her lifetime if she experiences at each age the fertility in effect during the period concerned.

2 Gross Reproduction Rate (GRR) average number of live daughters that would be born to a hypothetical female birth cohort if subjected to current age-specific fertility rates and assuming that mortality before age 50 is zero. A rate of 1.00 indicates replacement, a rate above unity indicates that the population is more than replacing itself and a rate below unity means that the population is not replacing itself.

Social and Economic Data
Central Statistical Services
Ministry of Treasury and Economics

December 1978

ONTARIO BIRTH RATES PER 1,000 FEMALE POPULATION, 1976

<u>AGE GROUP</u>	<u>LIVE BIRTHS</u>	<u>FEMALE POPULATION</u>	<u>RATE</u>
15 - 19	13,216	395,325	33.4
20 - 24	39,716	376,095	105.6
25 - 29	44,803	359,460	124.6
30 - 34	18,781	290,790	64.6
35 - 39	5,003	242,730	20.6
40 - 44	995	233,765	4.3
45 - 49	61	232,960	0.3
Total	122,574	2,131,125	57.5*

* General fertility rate.

SOURCE: Ontario, Ministry of Consumer and Commercial Relations,
Office of the Registrar General, Vital Statistics, 1976.

Social and Economic Data
Central Statistical Services
Ministry of Treasury and Economics

November 1979

ONTARIO AGE SPECIFIC DEATH RATES, 1976

(per 1,000 population)

<u>AGE GROUP</u>	<u>MALE</u>	<u>FEMALE</u>	<u>TOTAL</u>
0 - 4	3.30	2.66	2.99
5 - 9	0.34	0.26	0.30
10 - 14	0.32	0.19	0.26
15 - 19	1.18	0.42	0.81
20 - 24	1.49	0.43	0.96
25 - 29	1.25	0.48	0.86
30 - 34	1.27	0.64	0.96
35 - 39	1.86	1.12	1.49
40 - 44	3.06	1.61	2.34
45 - 49	5.33	2.87	4.12
50 - 54	8.99	4.43	6.66
55 - 59	14.02	6.77	10.28
60 - 64	21.89	10.46	15.98
65 - 69	34.57	16.01	24.58
70 - 74	53.55	26.43	38.31
75 - 79	79.41	44.27	58.26
80 - 84	123.16	77.50	93.84
85+	198.56	154.35	168.45
85+ & Not stated	198.81	154.42	168.59
	8.4	6.3	7.3

Total Mortality

SOURCE: Ontario, Ministry of Consumer and Commercial Relations, Office of the Registrar General, Vital Statistics, 1976.

Social and Economic Data
Central Statistical Services
Ministry of Treasury and Economics

November 1979

ONTARIO BIRTH RATES
1927 - 1978

(age specific rates)

Year	Total	Age of Mother					50 and over
		Under 15	15-19	20-24	25-29	30-34	
1914	97,614	26	6,332	29,791	28,444	19,728	2,816
1915	100,053	37	7,874	35,728	37,376	20,902	3,700
1916	104,150	34	8,215	38,321	38,977	22,155	3,917
1917	108,754	41	8,430	37,015	37,048	19,897	3,053
1918	111,877	32	9,210	37,700	35,052	21,100	3,031
1919	125,271	49	10,316	37,073	34,126	24,816	3,218
1920	134,768	56	10,830	36,113	30,500	26,710	3,054
1921	138,568	50	10,778	36,371	30,025	26,415	3,878
1922	141,190	52	10,778	36,371	30,025	26,415	3,878
1923	148,258	50	11,350	36,371	30,025	26,415	3,878
1924	158,549	50	11,350	36,371	30,025	26,415	3,878
1925	168,517	50	11,350	36,371	30,025	26,415	3,878
1926	177,156	65	11,350	36,371	30,025	26,415	3,878
1927	185,125	75	11,350	36,371	30,025	26,415	3,878
1928	191,443	79	11,350	36,371	30,025	26,415	3,878
1929	194,655	75	11,350	36,371	30,025	26,415	3,878
1930	195,408	70	11,350	36,371	30,025	26,415	3,878
1931	192,272	68	11,350	36,371	30,025	26,415	3,878

Year	TOTAL	AGE GROUPS OF MOTHERS						
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44
1976	121,776	111	14,039	41,194	45,936	18,432	8,068	64
1977	122,700	107	13,217	38,721	44,345	20,103	4,857	65
1978	120,844	93	11,445	37,528	44,045	21,333	4,909	48

Year	Total	Age of Mother					50 and over
		Under 15	15-19	20-24	25-29	30-34	
1977	67,671	33	4,487	16,544	14,201	9,413	2,871
1978	68,310	34	4,009	17,033	16,333	10,316	2,718
1979	64,958	34	3,468	16,084	16,100	14,791	2,524
1980	63,340	35	3,168	15,725	16,748	14,193	2,373
1981	65,012	35	2,548	16,725	18,102	16,518	2,597
1982	63,644	36	3,644	16,977	17,448	17,316	2,644
1983	62,216	31	4,417	16,697	17,315	17,410	2,391
1984	61,431	30	4,594	17,325	17,636	17,280	2,190
1985	61,419	29	4,574	17,298	17,495	17,216	2,098
1986	63,344	30	3,168	16,084	16,100	14,791	2,524
1987	65,012	31	2,548	15,725	16,748	14,193	2,373
1988	63,644	32	2,118	15,725	16,748	14,193	2,373
1989	62,216	33	2,118	15,725	16,748	14,193	2,373
1990	61,431	33	2,118	15,725	16,748	14,193	2,373
1991	61,431	33	2,118	15,725	16,748	14,193	2,373
1992	61,431	33	2,118	15,725	16,748	14,193	2,373
1993	61,431	33	2,118	15,725	16,748	14,193	2,373
1994	61,431	33	2,118	15,725	16,748	14,193	2,373
1995	61,431	33	2,118	15,725	16,748	14,193	2,373
1996	61,431	33	2,118	15,725	16,748	14,193	2,373
1997	61,431	33	2,118	15,725	16,748	14,193	2,373
1998	61,431	33	2,118	15,725	16,748	14,193	2,373
1999	61,431	33	2,118	15,725	16,748	14,193	2,373
2000	61,431	33	2,118	15,725	16,748	14,193	2,373

Year	Total	Age Groups of Mothers					50 and over
		Under 15	15-19	20-24	25-29	30-34	
1945	141,616	77	16,370	45,833	38,017	21,830	4,105
1946	131,841	77	16,837	41,022	34,994	21,799	3,837
1947	135,250	78	15,419	41,644	31,317	19,101	3,011
1948	134,379	74	16,079	45,313	37,932	19,043	2,365
1949	134,379	74	16,079	45,313	37,932	19,043	2,365
1950	134,379	74	16,079	45,313	37,932	19,043	2,365
1951	134,379	74	16,079	45,313	37,932	19,043	2,365
1952	134,379	74	16,079	45,313	37,932	19,043	2,365
1953	134,379	74	16,079	45,313	37,932	19,043	2,365
1954	134,379	74	16,079	45,313	37,932	19,043	2,365
1955	134,379	74	16,079	45,313	37,932	19,043	2,365
1956	134,379	74	16,079	45,313	37,932	19,043	2,365
1957	134,379	74	16,079	45,313	37,932	19,043	2,365
1958	134,379	74	16,079	45,313	37,932	19,043	2,365
1959	134,379	74	16,079	45,313	37,932	19,043	2,365
1960	134,379	74	16,079	45,313	37,932	19,043	2,365
1961	134,379	74	16,079	45,313	37,932	19,043	2,365
1962	134,379	74	16,079	45,313	37,932	19,043	2,365
1963	134,379	74	16,079	45,313	37,932	19,043	2,365
1964	134,379	74	16,079	45,313	37,932	19,043	2,365
1965	134,379	74	16,079	45,313	37,932	19,043	2,365
1966	134,379	74	16,079	45,313	37,932	19,043	2,365
1967	134,379	74	16,079	45,313	37,932	19,043	2,365
1968	134,379	74	16,079	45,313	37,932	19,043	2,365
1969	134,379	74	16,079	45,313	37,932	19,043	2,365
1970	134,379	74	16,079	45,313	37,932	19,043	2,365
1971	134,379	74	16,079	45,313	37,932	19,043	2,365
1972	134,379	74	16,079	45,313	37,932	19,043	2,365
1973	134,379	74	16,079	45,313	37,932	19,043	2,365
1974	134,379	74	16,079	45,313	37,932	19,043	2,365

SOURCE - ONTARIO VITAL STATISTICS Reports of the Registrar General

Figures not computed for less than 10 live births

Figures not computed for less than 10 live births

AGE GROUP	1976*				1981				1986			
	MALES		FEMALES		MALES		FEMALES		MALES		FEMALES	
	POP.	% TOT.	POP.	% TOT.	POP.	% TOT.	POP.	% TOT.	POP.	% TOT.	POP.	% TOT.
0-4	5185	7.7	2655	8.1	2583	7.4	2496	7.4	2777	7.7	2693	7.0
5-9	5275	7.9	2705	8.3	2723	7.8	2571	7.0	2525	7.0	2427	6.4
10-14	6060	9.1	3115	9.6	2793	8.0	2644	7.8	2705	7.8	2617	6.8
15-19	6195	9.3	3145	9.6	3247	9.3	3048	8.3	2814	7.8	2656	7.0
20-24	6335	9.6	3115	9.6	3247	9.3	3191	8.7	3210	9.3	3073	8.1
25-29	5785	8.6	2995	9.1	3212	9.2	3298	9.0	3210	9.3	3147	8.3
30-34	4325	6.5	2210	6.7	3037	8.7	2900	7.8	3174	8.8	3331	8.8
35-39	3450	5.2	1765	5.4	2269	6.0	2166	5.9	3030	8.4	2883	7.6
40-44	3330	5.0	1625	5.0	1815	5.2	1762	4.8	2273	6.3	2162	6.7
45-49	3575	5.3	1725	5.3	1676	4.8	1758	4.8	1804	5.0	1744	4.8
50-54	3835	5.7	1825	5.6	1745	5.0	1903	5.2	1623	4.8	1703	4.8
55-59	3250	4.9	1530	4.7	1815	5.2	2048	5.6	1659	4.8	1889	5.0
60-64	3100	4.6	1440	4.4	1466	4.2	1793	4.8	1695	4.7	1927	5.1
65-69	2445	3.6	1110	3.4	1327	3.8	1606	4.4	1299	3.8	1657	4.4
70-74	1935	2.9	800	2.6	942	2.7	1276	3.5	1118	3.1	1469	3.9
75-79	1435	2.0	480	1.5	593	1.7	1052	2.8	685	1.9	1089	2.9
80-84	825	1.2	255	0.8	314	0.9	687	1.8	361	1.0	821	2.2
85+	670	1.0	195	0.6	105	0.3	467	1.3	108	0.3	557	1.4
TOTALS	66,950	100.0	32,850	100.0	71,535	100.0	34,909	100.0	73,915	100.0	37,845	100.0

* 1976 POPULATION FIGURES ROUNDED TO NEAREST 5 UNITS, THEREFORE ADDITIONS MAY NOT YIELD TOTALS LISTED.

Note : For Graphic Illustration Refer to Appendix 'D' - Page 5

COHORT SURVIVAL STUDY FOR CITY OF BRANTFORD BASED ON 1976 RESIDENT POPULATIONS (1981 ANNEXATION ACCOUNTED FOR IN 1981 FIGURES ONWARD)

1986

1981

1976*
(CENSUS)

AGE GROUP	MALES			FEMALES		
	% POP.	% TOT.	TOT. AGE MALE POP.	% POP.	% TOT.	TOT. AGE FEM. POP.
0-4	7.1	6.1	2448	6.4	6.1	2333
5-9	7.4	6.5	2601	6.6	6.1	2493
10-14	8.0	6.8	2715	7.1	6.6	2614
15-19	8.0	6.8	2715	7.1	6.6	2693
20-24	8.2	6.3	2524	6.6	6.1	2413
25-29	8.0	6.7	2677	7.0	6.1	2574
30-34	8.0	6.9	2754	7.3	6.9	2654
35-39	8.1	7.8	3136	8.2	6.7	3055
40-44	8.0	6.0	3136	6.2	6.0	3134
45-49	8.1	6.1	3098	6.1	6.1	3250
50-54	7.3	7.3	2868	7.6	6.1	2853
55-59	6.3	6.3	2065	6.4	6.3	2088
60-64	4.0	4.0	1530	4.0	4.0	1605
65-69	3.6	3.6	1262	3.8	3.6	1559
70-74	3.4	3.4	1148	3.0	3.1	1517
75-79	3.1	3.1	880	2.8	2.8	1549
80-84	1.9	1.9	497	1.3	1.3	992
85+	1.2	1.2	191	0.8	0.8	749
TOTALS	100.0	100.0	38,245	100.0	100.0	40,125

2001

AGE GROUP	MALES			FEMALES		
	% POP.	% TOT.	TOT. AGE MALE POP.	% POP.	% TOT.	TOT. AGE FEM. POP.
0-4	6.6	6.6	2608	6.0	6.0	2505
5-9	7.2	6.9	2722	6.6	6.6	2623
10-14	7.2	7.0	2722	6.8	6.8	2700
15-19	6.7	6.4	2533	6.1	6.1	2425
20-24	7.1	6.9	2684	6.6	6.6	2584
25-29	7.3	7.0	2760	6.7	6.7	2662
30-34	6.4	6.4	3175	6.4	6.4	3022
35-39	6.4	6.2	3175	6.4	6.0	3177
40-44	6.3	6.3	3138	6.3	6.3	3291
45-49	7.8	6.8	2949	7.8	6.8	2861
50-54	6.7	6.8	2155	6.7	6.3	2105
55-59	4.8	6.3	1663	4.8	6.1	1668
60-64	3.6	4.0	1437	3.6	4.0	1662
65-69	3.7	4.0	1399	3.7	4.0	1700
70-74	3.3	3.8	1247	3.3	3.8	1697
75-79	2.1	2.7	794	2.1	2.7	1298
80-84	1.3	1.8	491	1.3	1.8	981
85+	0.4	1.1	151	0.4	1.1	701
TOTALS	100.0	100.0	37,803	100.0	100.0	39,662

1996

AGE GROUP	MALES			FEMALES		
	% POP.	% TOT.	TOT. AGE MALE POP.	% POP.	% TOT.	TOT. AGE FEM. POP.
0-4	7.6	7.2	2781	6.9	6.9	2689
5-9	7.4	7.1	2743	6.8	6.8	2651
10-14	8.0	8.0	2921	7.2	7.2	2417
15-19	7.3	7.0	2706	6.7	6.7	2612
20-24	7.6	7.2	2781	6.9	6.9	2689
25-29	8.2	8.2	3189	7.8	7.8	3041
30-34	8.0	8.0	3189	8.0	8.0	3117
35-39	8.0	8.0	3151	8.0	8.0	3307
40-44	8.1	7.9	3003	8.1	7.9	2923
45-49	8.0	8.0	2225	8.0	8.0	2182
50-54	8.7	8.7	1745	8.3	8.0	1674
55-59	4.2	4.2	1557	4.2	4.2	1634
60-64	4.2	4.4	1557	4.2	4.4	1786
65-69	4.0	4.4	1483	4.0	4.4	1860
70-74	2.9	3.4	1075	2.9	3.4	1508
75-79	2.2	2.8	816	2.2	2.8	1311
80-84	1.1	1.7	408	1.1	1.7	884
85+	0.4	1.0	148	0.4	1.0	612
TOTALS	100.0	100.0	37,076	100.0	100.0	38,899

1991

Note: For Graphic Illustration Refer to Appendix 'D' - Page 6.

COHORT SURVIVAL STUDY FOR CITY OF BRANTFORD
 BASED ON 1976 RESIDENT POPULATIONS

(1981 ANNEXATION TAKEN INTO ACCOUNT)

APPENDIX 'D'

POPULATION FORECASTS

FOR THE CITY OF BRANTFORD & OTHER COUNTY REGIONS

1976 - 2001

(VARIABLE GROWTH RATES)

YEAR	CITY	AGR	TOWNSHIP	AGR	PARIS	AGR	REMAINING MUNICIPALITIES	AGR	INDIAN RESERVES	AGR	TOTAL (BRANT COUNTY)
1976	66950	1.70 %	9137	0.6 %	6713	1.2 %	12 446	0.15 %	3853	0.15 %	99 099
1977	68088		9192		6794		12 465		3859		100 398
1978	69245		9247		6876		12 484		3865		101 717
1979	70422		9302		6959		12 503		3871		103 057
1980	71619		9358		7042		12 522		3877		104 418
1981	(1984) A 75420	1.615 %	(1984) A 6830	0.6 %	7126	0.8 %	12 541	0.15 %	3883	0.15 %	105 800 (1)
1982	76637		6871		7183		12 560		3889		107 140
1983	77875		6912		7240		12 579		3895		108 501
1984	79 133		6953		7298		12 598		3901		109 883
1985	80411		6995		7356		12 617		3907		111 286
1986	81693		7037		7415		12 636		3913		112 694 (1)
1987	82 886	1.461 %	7058	0.3 %	7459	0.6 %	12 649	0.1 %	3917	0.1 %	113 969
1988	84 097		7079		7504		12 662		3921		115 263
1989	85326		7100		7549		12 675		3925		116 575
1990	86574		7121		7594		12 688		3929		117 906
1991	87829		7142		7640		12 701		3933		119 245 (1)
1992	88867		7164		7686		12 714		3937		120 368
1993	89917	1.182 %	7186	0.1 %	7732	0.3 %	12 727	0.1 %	3941	0.1 %	121 503
1994	90980		7208		7778		12 740		3945		122 651
1995	92056		7230		7825		12 753		3949		123 813
1996	93145		7252		7872		12 766		3953		124 988 (1)
1997	94052		7259		7896		12 779		3957		125 943
1998	94968		7266		7920		12 792		3961		126 907
1999	95893	0.974 %	7273	0.1 %	7944	0.3 %	12 805	0.1 %	3965	0.1 %	127 880
2000	96827		7280		7968		12 818		3969		128 862
2001	97 770		7286		7992		12 831		3973		129 852 (1)

* AGR ANNUAL GROWTH RATE (CUMULATIVE)

(1) SOURCE : TEIGA DEMOGRAPHIC BULLETIN OCTOBER 1978.

A ADJUSTMENT FOR JANUARY 1, 1981 ANNEXATION TO CITY FROM TOWNSHIP

POPULATION FORECASTS 1976-2001

APPLYING FIXED PERCENTAGE GROWTH RATES *

AREA YEAR	BRANT COUNTY (1.08% per yr.)	BRANTFORD C.A. (1.23% per yr.)	CITY OF BRANTFORD (FOR RATES SEE BELOW)	TWP. OF BRANTFORD (FOR RATES SEE BELOW)	PARIS (0.70% per yr.)	REMAINING MUNICIP. (0.12% per yr.)	INDIAN RESERVES (0.12% per yr.)
1976	99,099	82,800	66,950	9,137	6,713	12,446	3,853
1977	100,179	83,835	68,088	9,192	6,760	12,461	3,858
1978	101,271	84,883	69,243	9,247	6,807	12,476	3,863
1979	102,375	85,944	70,422	9,302	6,855	12,491	3,868
1980	103,491	87,018	71,619	9,358	6,903	12,506	3,873
1981	104,619	88,106	72,840	9,415	6,951	12,521	3,878
1982	105,759	89,207	74,085	9,473	7,000	12,536	3,883
1983	106,912	90,322	75,353	9,532	7,049	12,551	3,888
1984	108,077	91,451	76,644	9,592	7,098	12,566	3,893
1985	109,255	92,594	77,958	9,653	7,148	12,581	3,898
1986	110,446	93,751	79,297	9,715	7,198	12,596	3,903
1987	111,650	94,923	80,660	9,778	7,248	12,611	3,908
1988	112,867	96,110	82,048	9,842	7,299	12,626	3,913
1989	114,097	97,311	83,460	9,907	7,350	12,641	3,918
1990	115,341	98,527	84,897	9,973	7,401	12,656	3,923
1991	116,598	99,759	86,359	10,040	7,453	12,671	3,928
1992	117,869	101,006	87,847	10,108	7,505	12,686	3,933
1993	119,154	102,269	89,360	10,177	7,558	12,701	3,938
1994	120,453	103,547	90,898	10,247	7,611	12,716	3,943
1995	121,766	104,841	92,461	10,318	7,664	12,731	3,948
1996	123,093	106,152	94,049	10,390	7,718	12,746	3,953
1997	124,435	107,479	95,662	10,463	7,772	12,761	3,958
1998	125,791	108,822	97,299	10,537	7,826	12,776	3,963
1999	127,162	110,182	98,971	10,612	7,881	12,791	3,968
2000	128,548	111,559	100,678	10,688	7,936	12,806	3,973
2001	129,949	112,953	102,420	10,765	7,992	12,821	3,978

CITY OF BRANTFORD RATE : 1976 - 1981 = 1.70% per yr. (+ 2584 adjustment in 1981 for Annexation)
1981 - 2001 = 1.306% per yr.

TOWNSHIP OF BRANTFORD RATE : 1976 - 1981 = 0.6% per yr. (-2584 adjustment in 1981 for annexation)
1981 - 2001 = 0.32% per yr.

* NOTE : THIS CHART FOR REFERENCE ONLY - FIGURES DO NOT TOTAL EXACTLY.
ALL PERCENTAGES CUMULATIVE.

AGE GROUP	MALES			FEMALES		
	POP.	% TOT.	%	POP.	% TOT.	%
			TOT. AGE MALE PROJ.			TOT. AGE FEM. PROJ.
0-4	6045	7.4	7.7	2975	7.1	8.2
5-9	5473	6.7	7.0	2682	6.4	8.0
10-14	5882	7.2	7.5	2892	6.9	8.2
15-19	6045	7.4	7.9	2935	7.0	8.4
20-24	6944	8.6	8.9	3396	8.1	8.8
25-29	7026	8.6	8.9	3478	8.3	8.9
30-34	7189	8.8	8.8	3681	8.6	9.2
35-39	6535	8.0	8.4	3817	7.4	8.8
40-44	4902	6.0	6.3	2391	5.7	6.8
45-49	3921	4.8	5.0	1928	4.6	4.9
50-54	3676	4.5	4.5	1882	4.6	5.1
55-59	3921	4.8	4.6	2087	5.0	5.3
60-64	4003	4.9	4.7	2129	5.1	5.3
65-69	3268	4.0	3.8	1833	4.4	5.1
70-74	2860	3.6	3.1	1624	3.9	4.6
75-79	1961	2.4	1.8	1204	2.9	3.4
80-84	1307	1.6	1.0	908	2.2	2.6
85+	735	0.9	0.3	615	1.6	2.3
TOTALS	81,693	100.0	100.0	39,866	100.0	111.2

1986

AGE GROUP	MALES			FEMALES		
	POP.	% TOT.	%	POP.	% TOT.	%
			TOT. AGE MALE PROJ.			TOT. AGE FEM. PROJ.
0-4	2724	7.4	6.8	2631	6.4	6.1
5-9	2871	7.8	8.4	2710	7.0	6.6
10-14	2944	8.0	8.4	2780	7.2	6.6
15-19	3423	9.3	8.8	3214	8.3	6.5
20-24	3423	9.3	9.0	3365	8.7	6.6
25-29	3386	9.2	8.3	3477	9.0	6.7
30-34	3202	8.7	8.1	3058	7.9	6.8
35-39	2392	6.8	6.8	2284	6.0	6.8
40-44	1914	5.2	6.0	1857	4.8	6.2
45-49	1766	4.8	4.8	1854	4.8	6.2
50-54	1840	5.0	4.8	2006	5.2	6.2
55-59	1914	5.2	4.7	2159	5.6	6.0
60-64	1546	4.2	4.5	1848	4.6	5.4
65-69	1399	3.8	4.2	1693	4.4	5.6
70-74	994	2.7	3.2	1344	3.6	5.7
75-79	626	1.7	2.1	1109	2.9	5.6
80-84	331	0.9	1.3	725	1.8	5.7
85+	110	0.3	0.2	493	1.3	5.0
TOTALS	36,805	100.0	100.0	38,615	100.0	111.2

1981

AGE GROUP	MALES			FEMALES		
	POP.	% TOT.	%	POP.	% TOT.	%
			TOT. AGE MALE PROJ.			TOT. AGE FEM. PROJ.
0-4	2655	8.1	8.1	2535	7.4	6.6
5-9	2705	8.3	8.3	2570	7.8	6.7
10-14	3115	9.0	8.4	2945	8.6	6.6
15-19	3145	9.0	8.0	3005	8.9	6.3
20-24	3115	9.0	8.1	3225	9.4	6.9
25-29	2995	8.1	8.0	2835	8.3	6.9
30-34	2210	6.7	8.1	2115	6.2	6.9
35-39	1765	5.4	8.1	1685	4.9	6.8
40-44	1625	5.0	8.8	1705	5.0	8.1
45-49	1725	5.3	8.3	1850	5.4	8.1
50-54	1825	5.6	8.7	2015	5.9	8.2
55-59	1530	4.7	8.7	1715	5.0	8.2
60-64	1440	4.4	8.5	1665	4.8	8.5
65-69	1110	3.4	8.5	1340	3.9	8.7
70-74	800	2.6	8.1	1130	3.3	8.6
75-79	480	1.5	8.5	860	2.6	8.2
80-84	255	0.8	8.7	575	1.7	8.3
85+	195	0.6	8.3	470	1.3	7.7
TOTALS	32,650	100.0	100.0	34,295	100.0	111.2

1976 *
(CENSUS)

* 1976 POPULATION FIGURES ROUNDED TO NEAREST 5 UNITS; THEREFORE ADDITIONS MAY NOT YIELD TOTALS LISTED.

POSSIBLE AGE GROUP STRUCTURE OF FUTURE
RESIDENT POPULATIONS - CITY OF BRANTFORD 1976 - 2001

(1981 ANNEXATION TAKEN INTO ACCOUNT)

AGE GROUP	MALES			FEMALES				
	POP.	% TOT	POP.	POP.	% TOT	POP.		
							% TOT	% TOT
0-4	5964	8.1	3054	6.4	81.2	2910	8.8	48.8
5-9	6355	8.8	3244	6.8	81.0	3111	8.2	48.0
10-14	6648	8.8	3388	7.1	81.0	3260	8.0	48.0
15-19	6746	8.8	3388	7.1	80.2	3358	8.7	48.8
20-24	6160	8.3	3149	6.6	81.1	3011	8.0	48.9
25-29	6550	8.7	3340	7.0	81.0	3210	8.4	48.0
30-34	6746	8.8	3435	7.2	80.9	3311	8.0	48.1
35-39	7724	7.8	3912	8.2	80.4	3812	7.6	48.4
40-44	7822	8.0	3912	8.2	80.0	3910	7.8	48.0
45-49	7919	8.1	3665	8.1	44.8	4054	8.1	81.2
50-54	7137	7.3	3579	7.8	30.1	3558	7.1	48.8
55-59	5182	5.3	2576	6.4	48.7	2606	5.2	80.3
60-64	3911	4.0	1908	4.0	48.0	2003	4.0	81.2
65-69	3520	3.8	1575	3.3	44.7	1945	3.8	80.3
70-74	3324	3.4	1431	3.0	43.1	1893	3.6	84.8
75-79	3031	3.1	1097	2.3	38.2	1934	2.8	48.4
80-84	1858	1.8	620	1.3	33.4	1238	2.0	46.6
85 +	1173	1.2	239	0.8	20.4	934	1.9	78.6
TOTALS	97,770	100.0	47,712	100.0	48.8	50,058	100.0	51.2

2001

AGE GROUP	MALES			FEMALES				
	POP.	% TOT	POP.	POP.	% TOT	POP.		
							% TOT	% TOT
0-4	6148	6.6	3136	6.0	81.0	3012	6.3	48.0
5-9	6427	6.8	3273	7.2	80.8	3154	6.6	49.1
10-14	6520	7.0	3273	7.2	80.2	3247	6.8	48.8
15-19	5961	6.4	3045	6.7	81.1	2916	6.1	48.9
20-24	6334	6.8	3227	7.1	80.8	3107	6.5	48.1
25-29	6520	7.0	3318	7.3	80.9	3202	6.7	48.1
30-34	7452	8.0	3818	8.4	81.2	3634	7.8	48.8
35-39	7638	8.2	3818	8.4	80.0	3820	8.0	80.0
40-44	7731	8.3	3773	8.3	48.8	3958	8.3	81.2
45-49	6986	7.5	3546	7.8	80.8	3440	7.8	80.2
50-54	5123	5.6	2591	6.7	80.8	2532	5.3	48.4
55-59	4005	4.3	2000	4.4	48.8	2005	4.2	80.1
60-64	3726	4.0	1727	3.8	46.3	1999	4.7	83.7
65-69	3726	4.0	1682	3.7	46.1	2044	4.3	84.8
70-74	3539	3.8	1500	3.3	42.4	2039	4.3	87.8
75-79	2515	2.7	955	3.1	38.0	1560	3.3	82.0
80-84	1770	1.9	591	1.3	33.4	1179	2.8	86.6
85 +	1024	1.1	182	0.4	12.8	842	1.8	82.2
TOTALS	93,145	100.0	45,155	100.0	48.8	47,990	100.0	51.2

1996

AGE GROUP	MALES			FEMALES				
	POP.	% TOT	POP.	POP.	% TOT	POP.		
							% TOT	% TOT
0-4	6324	7.2	3215	7.8	80.8	3109	6.9	49.2
5-9	6236	7.1	3172	7.4	80.1	3064	6.8	48.1
10-14	5709	6.6	2915	6.8	81.1	2794	6.2	48.9
15-19	6148	7.0	3129	7.3	80.8	3019	6.7	48.1
20-24	6324	7.2	3215	7.8	80.8	3109	6.8	48.2
25-29	7202	8.2	3686	8.8	81.2	3516	7.8	48.8
30-34	7290	8.3	3686	8.8	80.8	3604	8.0	48.4
35-39	7466	8.5	3643	8.8	48.8	3623	8.0	81.2
40-44	6851	7.8	3472	8.1	80.7	3379	7.8	48.8
45-49	5094	5.8	2572	6.0	80.8	2522	5.8	48.8
50-54	3952	4.5	2014	4.7	81.0	1938	4.8	48.0
55-59	3689	4.2	1800	4.8	48.8	1889	4.8	81.2
60-64	3664	4.4	1800	4.2	48.6	2064	4.6	83.4
65-69	3864	4.4	1714	4.0	44.4	2150	4.8	55.6
70-74	2986	3.4	1243	2.8	41.6	1743	3.8	88.4
75-79	2459	2.8	943	2.2	38.3	1516	3.4	61.7
80-84	1493	1.7	471	1.1	31.8	1022	2.3	68.0
85 +	678	1.0	171	0.4	18.0	707	1.8	80.8
TOTALS	87,829	100.0	42,861	100.0	48.8	44,968	100.0	51.2

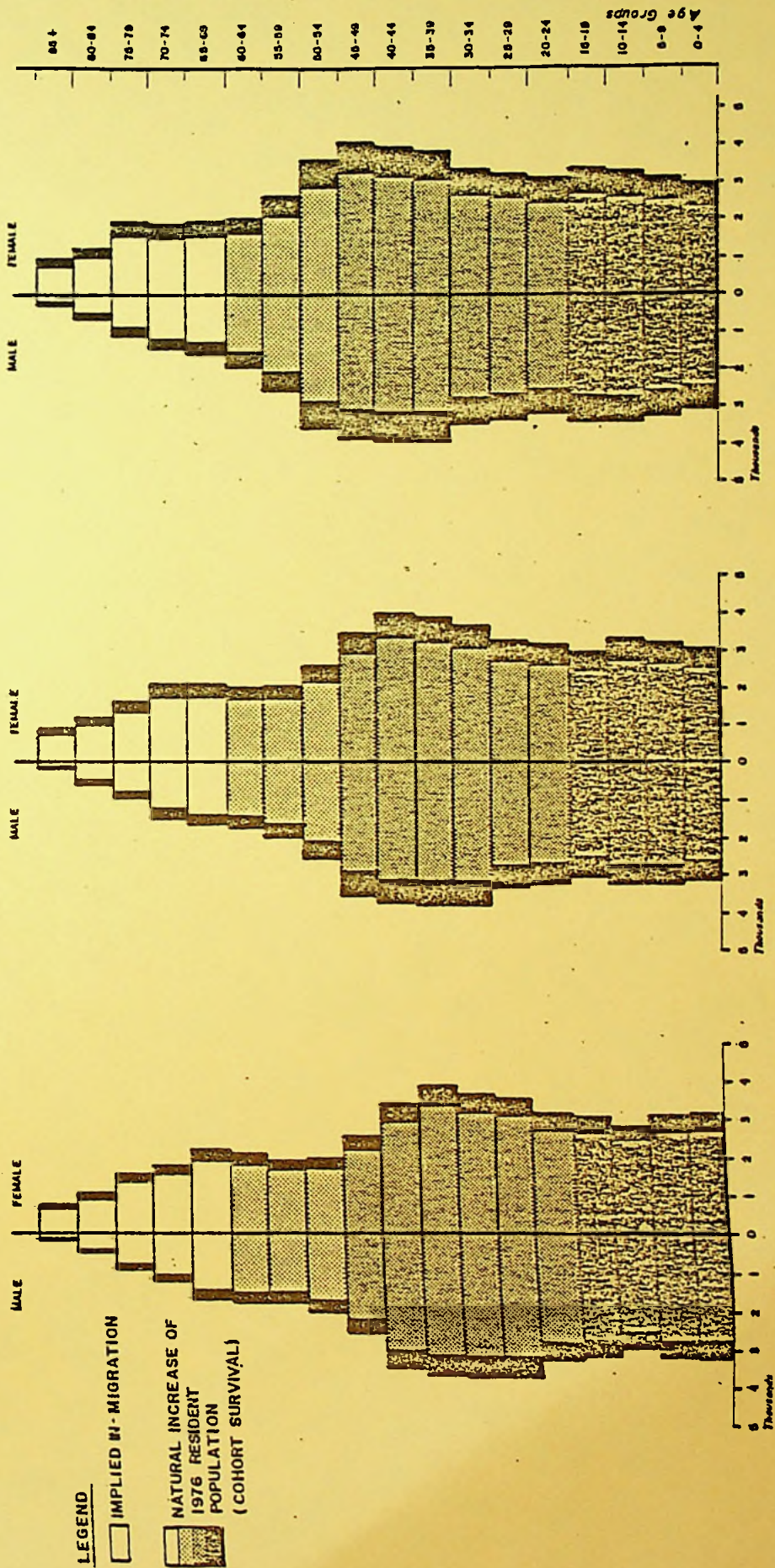
1991

POSSIBLE AGE GROUP STRUCTURE OF FUTURE
RESIDENT POPULATIONS - CITY OF BRANTFORD 1976 - 2001

(1981 ANNEXATION TAKEN INTO ACCOUNT)



POSSIBLE FUTURE DEMOGRAPHIC PROFILES - CITY OF BRANTFORD



POSSIBLE FUTURE DEMOGRAPHIC PROFILES - CITY OF BRANTFORD





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