

Appendix 3

Charts for Presentations Provided to the Strategic Social Plan Boards as Part of the Regional Consultations

An Appendix to
LONG TERM POPULATION PROJECTIONS FOR
NEWFOUNDLAND AND LABRADOR:
A Consultative Approach
DRAFT #2 — Final Report

A Joint Project Between
Economics and Statistics Branch, Department of Finance
and
Planning and Coordination Division, Atlantic Canada Opportunities Agency
(November 2001)

Presentations to SSP Boards and the Panel of Experts on Demography

The following are examples of presentations made by Beverley Carter, Linda Bartholomew, Dr. Doug May, and Ken Hicks during the consultations with the Strategic Social Plan (SSP) boards and the meeting of the Panel of Experts on Demography.

Beverley Carter's presentations to the SSP boards gave a general overview of past demographic trends in the province, a brief economic outlook for the province, a population projection consistent with the economic outlook and key implications of demographic trends. Linda Bartholomew and Dr. Doug May's presentations to the SSP boards gave an overview of recent demographic trends in the relevant region and then outlined the results of the Newfoundland Statistics Agency's MCP survey of out-migrants from this province. An example of their presentation to the Avalon SSP board is included.

Beverley Carter's presentation to the Panel of Experts on Demography was broken into two sections. The first section gave an overview of the demographic trends in Newfoundland and Labrador, focusing on natural population change and relevant economic and social factors affecting demographic trends. The second part of the presentation focused on migration and the factors relevant to it. Information on future labour market requirements and future aging of the population was also presented.

Linda Bartholomew made two presentations to the Panel of Experts on Demography. The first presentation covered regional patterns for fertility, female migration and natural population change. The second presentation outlined the Newfoundland Statistics Agency's Survey of Out-Migrants and presented some of the results from the survey.

Ken Hicks made two presentations to the Panel of Experts on Demography. The first presentation covered information on historical migration flows in and out of the Province. The second presentation outlined the assumptions behind three economic scenarios (high, medium, and low) for the province developed by the Department of Finance in consultation with Dr. Doug May. The implications of these economic projections for demographics and changing industry labour demands were also presented.

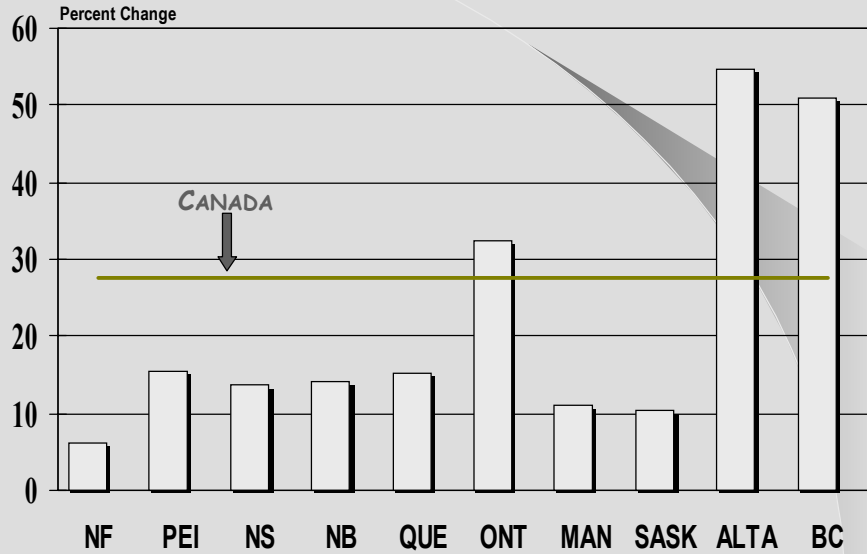
Demographic Change in Newfoundland and Labrador

Regional Consultations
December 2000/January 2001

Overview Of Presentation

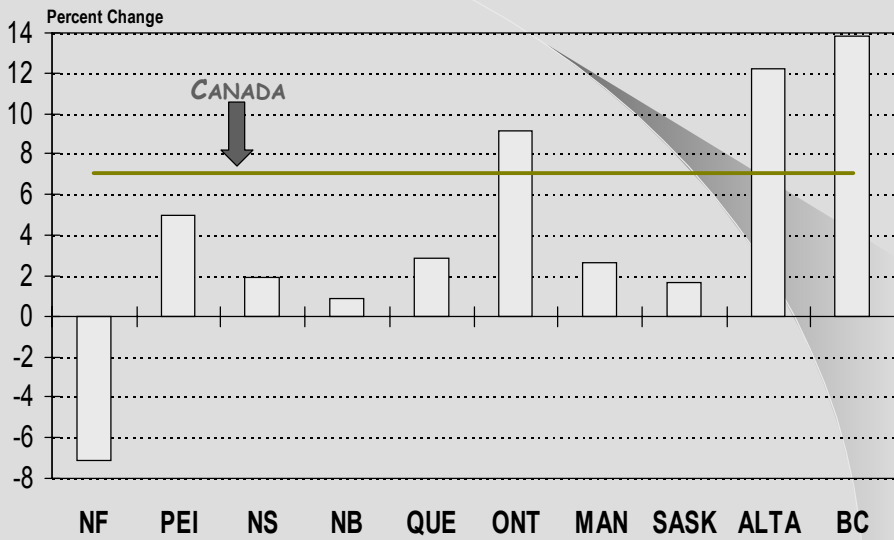
- Demographic Study: Link to Consultation
- Historical Population Growth/Decline
 - In a Canadian comparative framework
- Other Demographic Trends Historically
 - Components of population change
 - Regional population shifts, Population Aging, etc.
- Economic Outlook in Brief
 - Economics/employment and demographics are linked
- Future Demographic Trends (One Possible Scenario)
 - Total population
 - Components of population
- Key Future Issues and Implications

Change In Total Population 1973-1993 Canada and the Provinces



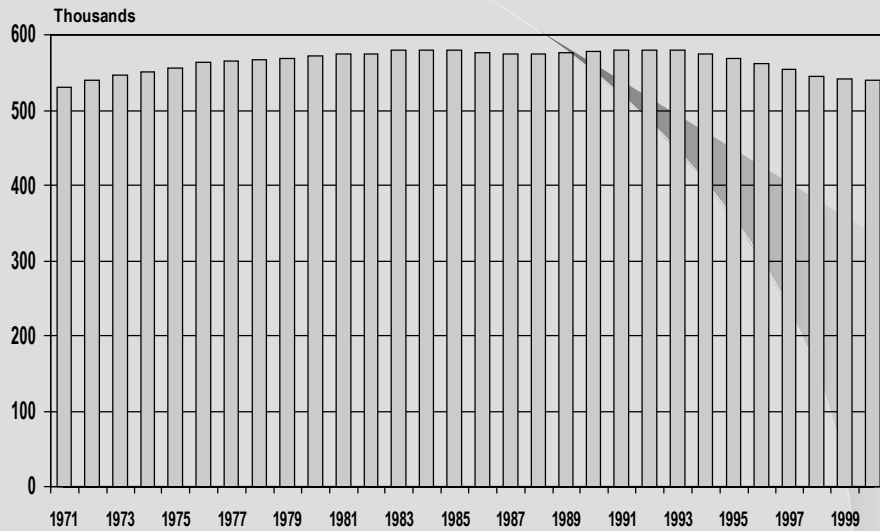
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Change In Total Population 1993-2000 Canada and the Provinces



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TOTAL POPULATION 1971-2000 Newfoundland and Labrador



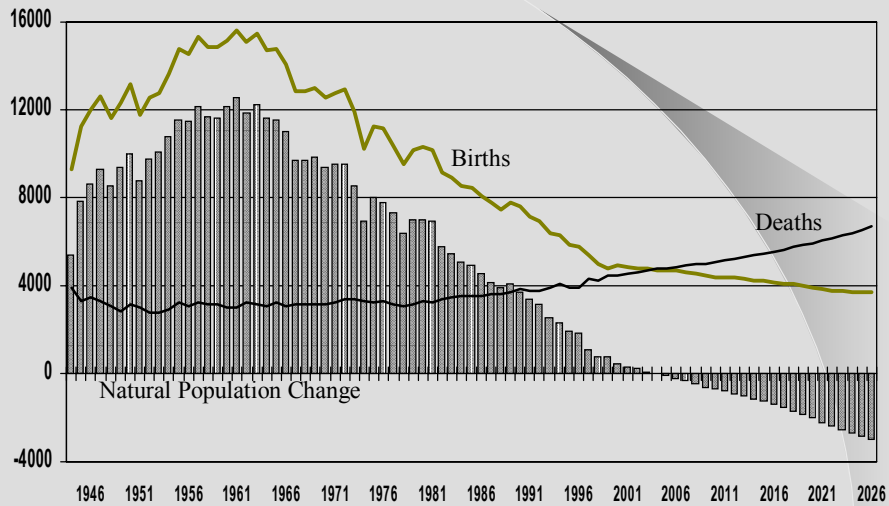
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Components of Population Change

- Natural Population Changes
 - Migration Changes

Natural Population Change Newfoundland and Labrador: 1944-2026



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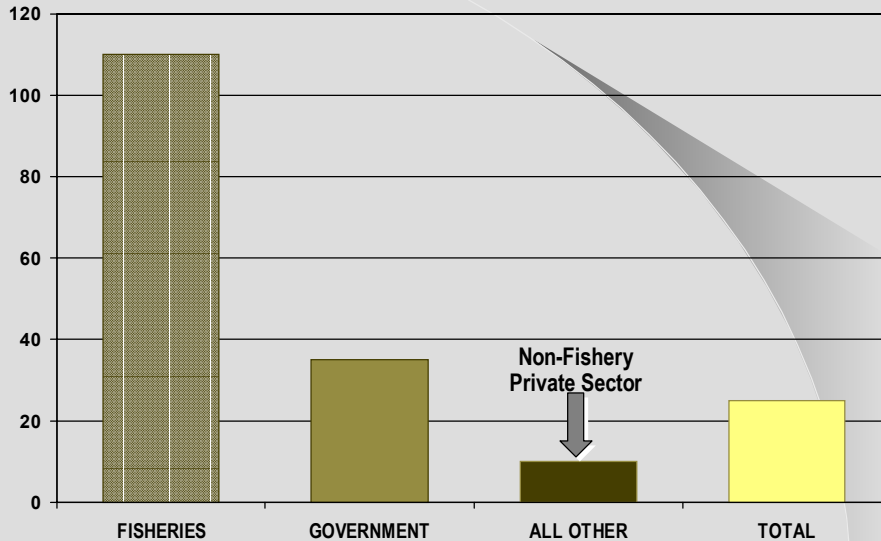
Factors Thought to Influence Migration Trends

- PERSONAL CONSIDERATIONS
 - Friends/Family in prospective destination
- SOCIOECONOMIC STATUS
 - Age/Education
 - Marital/Occupational status
 - Dependent Children/Home ownership status
- ECONOMIC FACTORS
 - Employment prospects (home community/elsewhere)
 - Industry failure (e.g., collapse of groundfishery)
 - Hiring practices of fish plant in community
 - Workforce age structure (attrition profile in future)
 - Business cycle (e.g., recession, economic growth)
- GOVERNMENT PROGRAMS AND POLICIES
 - UI/EI/Makework program and policy change
 - Government Spending/Presence/Municipal Financing
 - Fisheries Policy

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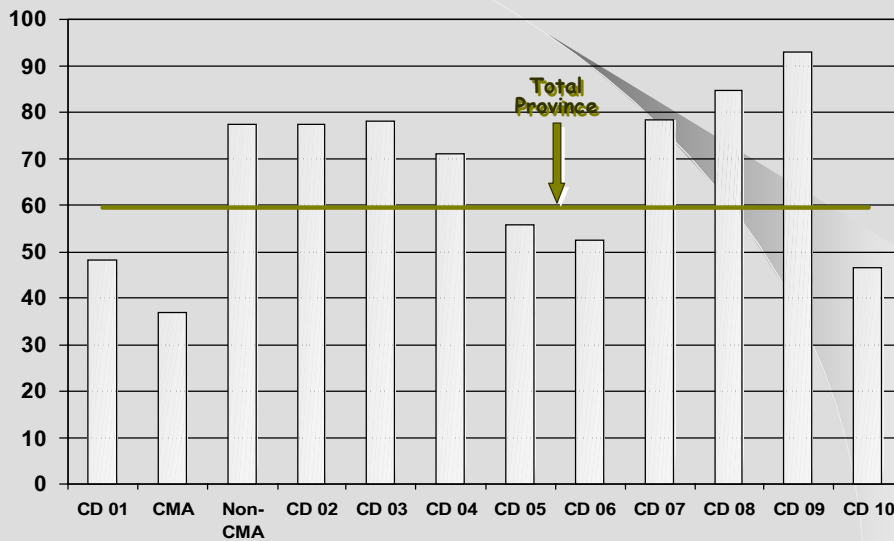
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Employment Growth, Mid-70s to Late-80s Newfoundland and Labrador

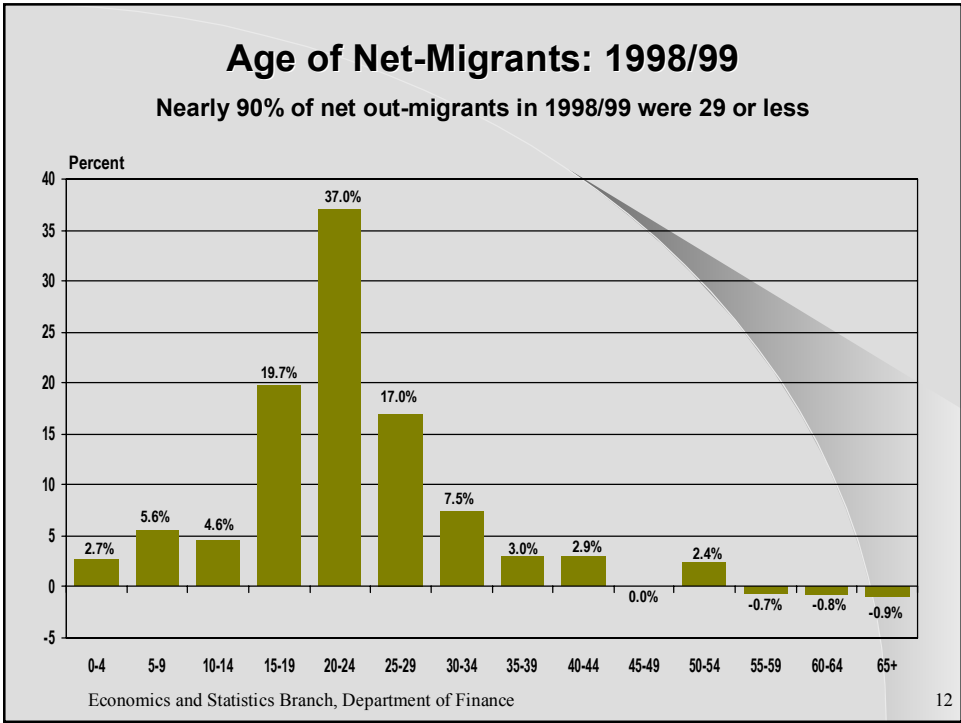
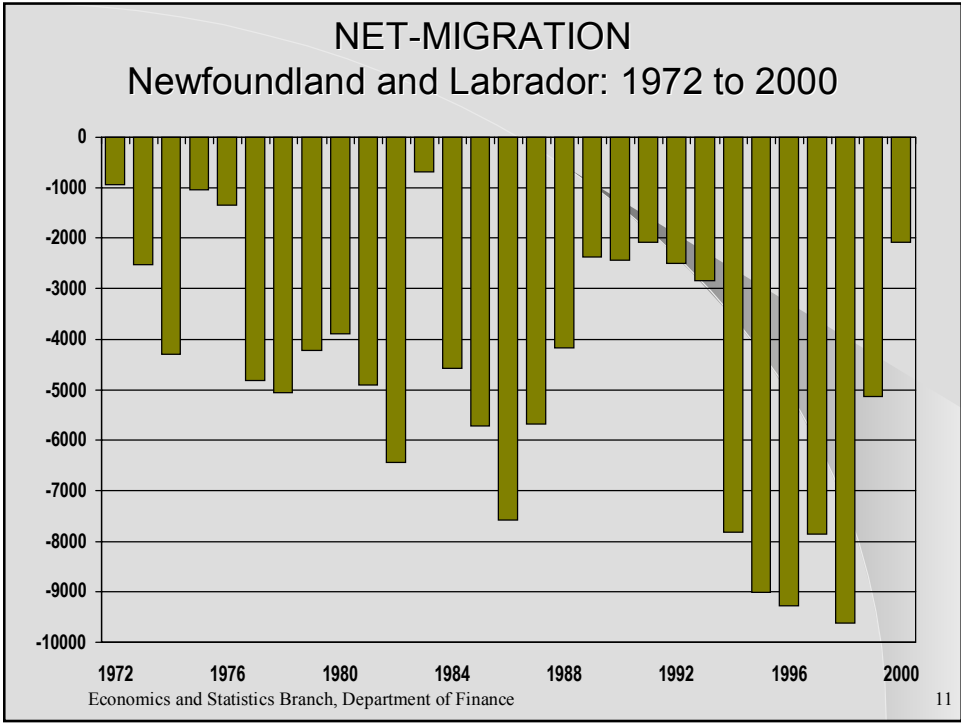


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UI Beneficiaries as % of Employed Labour Force: 1992 Newfoundland & Labrador by Census Division



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Population Change By Census Division Newfoundland and Labrador 1991-1996

<u>Census Division</u>	<u><1,000</u>	<u>1,000 -4,999</u>	<u>5,000+</u>	<u>Total</u>	<u>1991 Fishery as % of Total Labour Force</u>
CD-01 Avalon Peninsula	-5.5	-2.9	0.9	-0.7	7.4
CD-02 Burin Peninsula	-7.5	-6.9	0.0	-5.5	30.3
CD-03 South Coast	-7.6	-7.2	-7.1	-7.3	35.3
CD-04 St. George's	-9.3	0.7	1.9	-3.4	6.4
CD-05 Humber District	-2.9	-3.3	-1.7	-2.2	4.4
CD-06 Central	-3.7	-4.2	-2.0	-2.8	0.1
CD-07 Bonavista/Trinity	-8.0	-4.4	19.3	-3.8	23.2
CD-08 Notre Dame Bay	-7.6	-6.0	n/a	-7.0	22.4
CD-09 Northern Peninsula	-9.6	-6.0	n/a	-8.7	34.8
CD-10 Labrador	-3.0	-13.4	-3.2	-3.9	6.6
TOTAL PROVINCE	-6.8	-4.6	0.3	-2.9	12.3

n/a Not applicable; no community of this size in the Census Division

Summary of Economic Outlook

Newfoundland and Labrador: % Change 1999-2026

<u>Indicator</u>	<u>Annual Average</u>	<u>Cumulative</u>
Real GDP	1.5	49.1
Employment	0.6	15.7
Real Personal Income	1.4	45.7

PER CAPITA:

Growth rates per capita will be about the same since population is projected to be stable over the 1999-2026 forecast period.

Labour Market Requirements & Migration 1999 versus 2026

127,500 of the total employed in 1999 were 35 years and up
(all 62+ by 2026 and most will be retired)

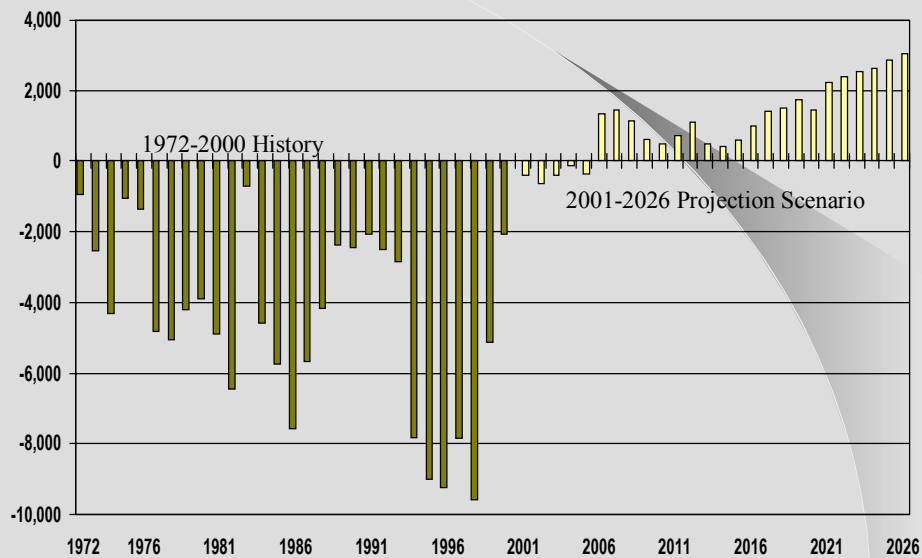
32,500 net new jobs by 2026 (under this scenario ... may change)
(15.7% cumulative employment gain)

160,000 person years of employment to be filled by 2026
(probably over 200,000 different people)

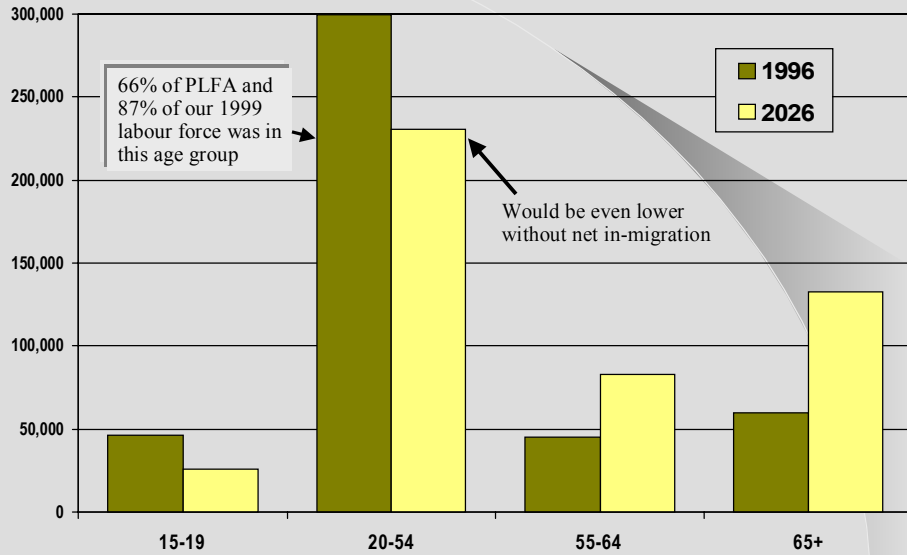
UNDER THIS SCENARIO:

Province will need net in-migration to meet the demand for workers,
otherwise employment will have to decline substantially.

Net-Migration Newfoundland and Labrador: 1972 to 2026



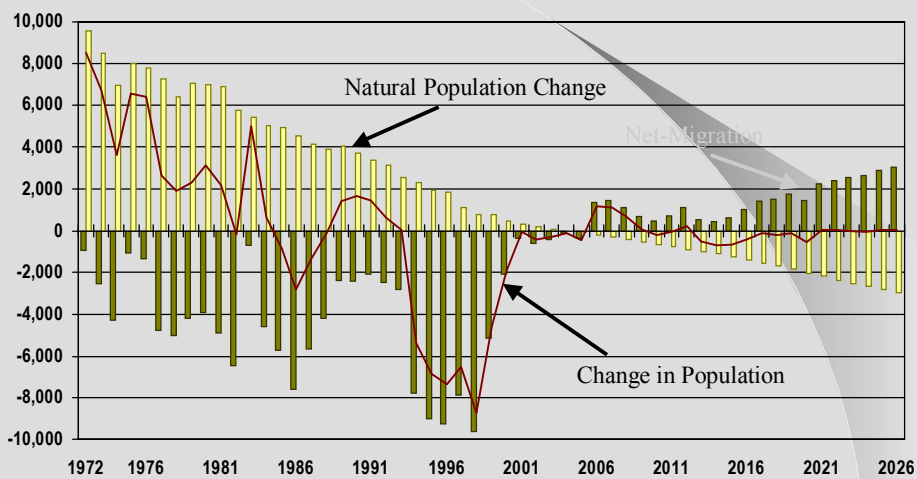
Labour Force Age Population 15+ Newfoundland and Labrador, 1996 and 2026



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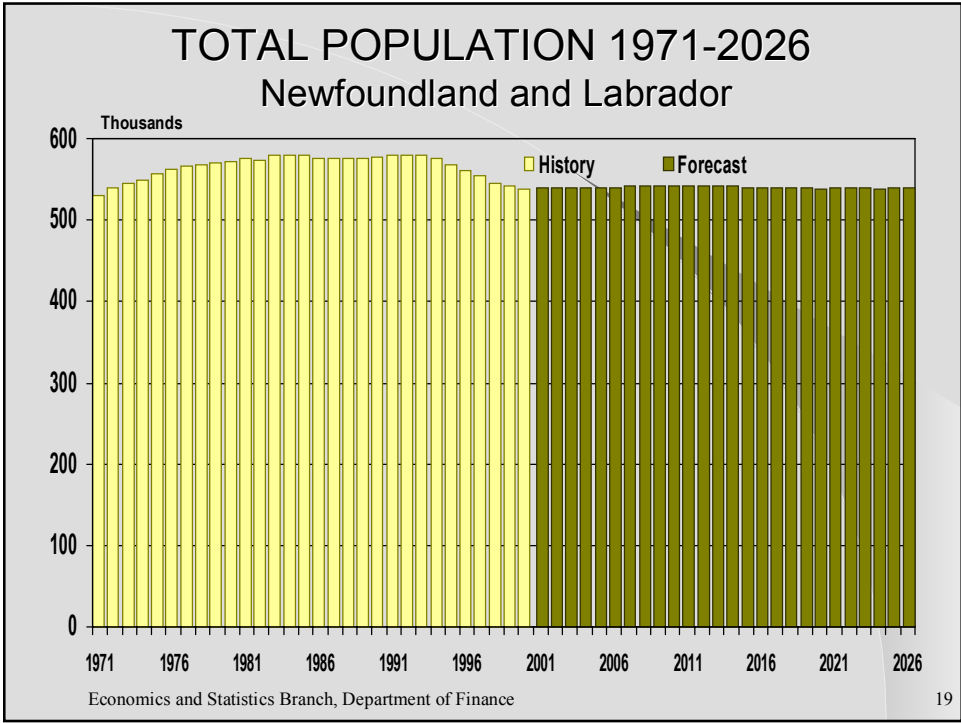
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Change in Population by Component Newfoundland and Labrador

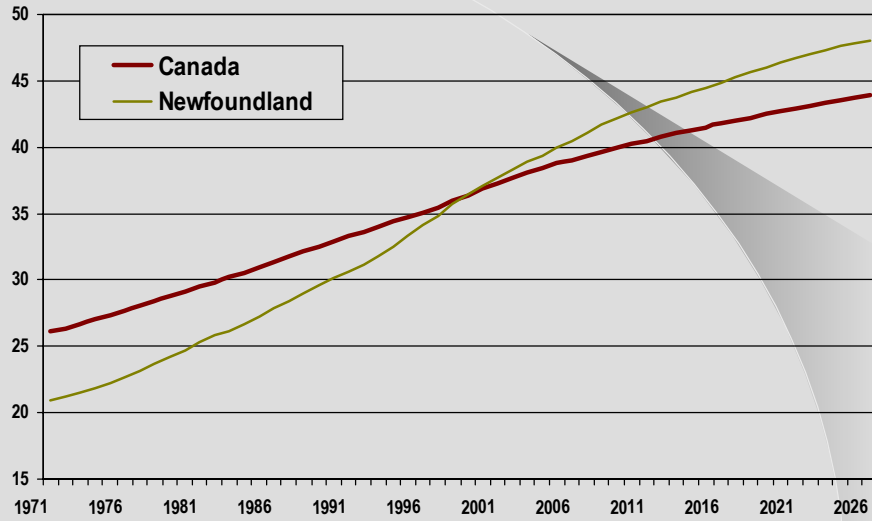


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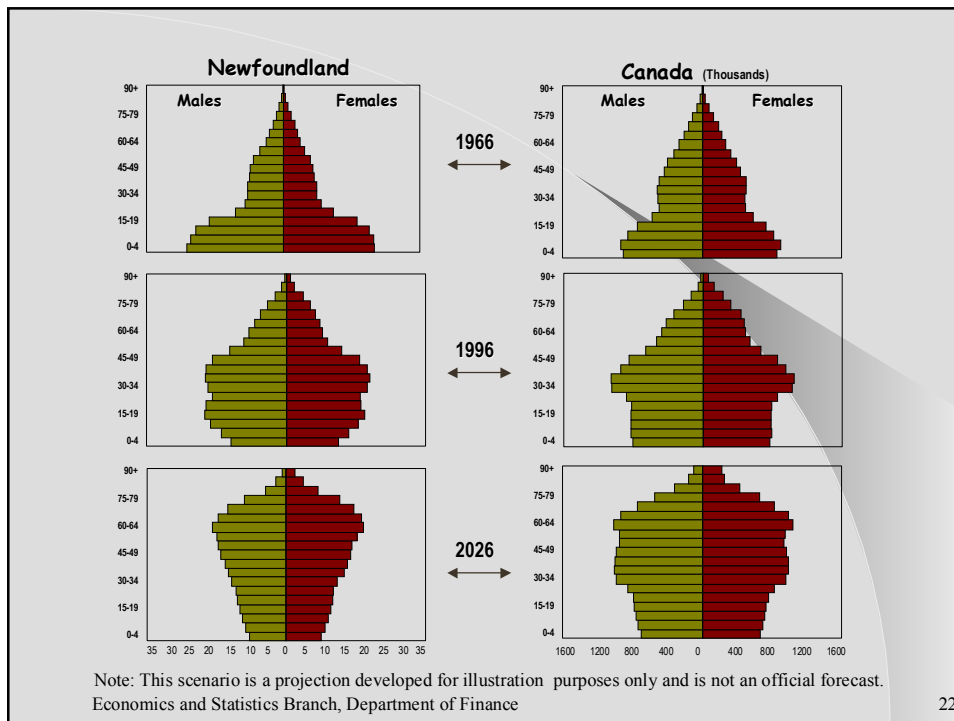


Median Age of the Population Newfoundland and Canada



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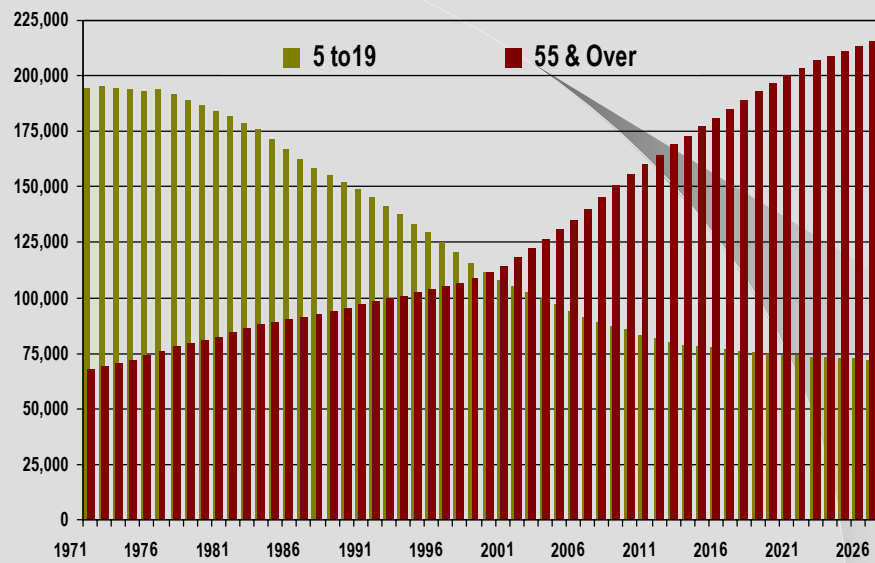
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Implications of Demographic Change

(Focus on the Provincial Government)

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Aging Trend is Significant for the Social Sectors



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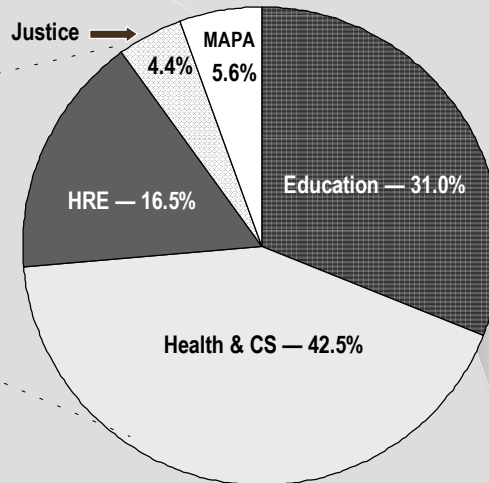
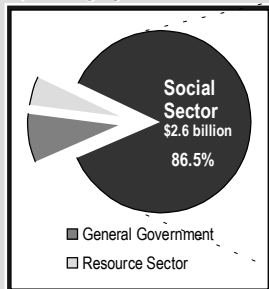
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Social Sectors are Significant for Government

1997/98 Social Program Spending

Figures exclude debt servicing costs

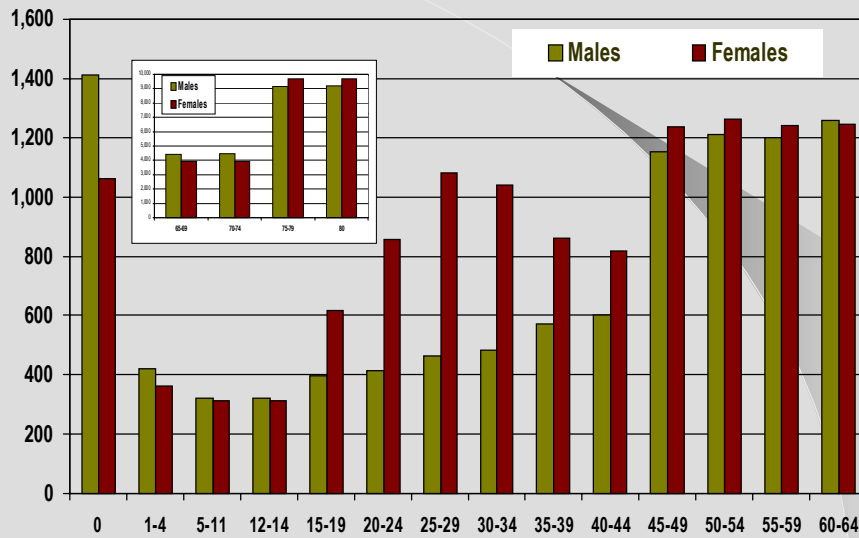
Spending by Sector 1997/98



Notes: (1) Figures are taken from the *Province of Newfoundland Public Accounts*, year ending 31 March 1998. (2) Figures are calculated using net expenditures (i.e., gross expenditures less related revenues) and excluding *Consolidated Fund Services* (\$538.6 million in 1997/98). (3) MAPA figure includes NHC.
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1995 Health Care Expenditures, Canada

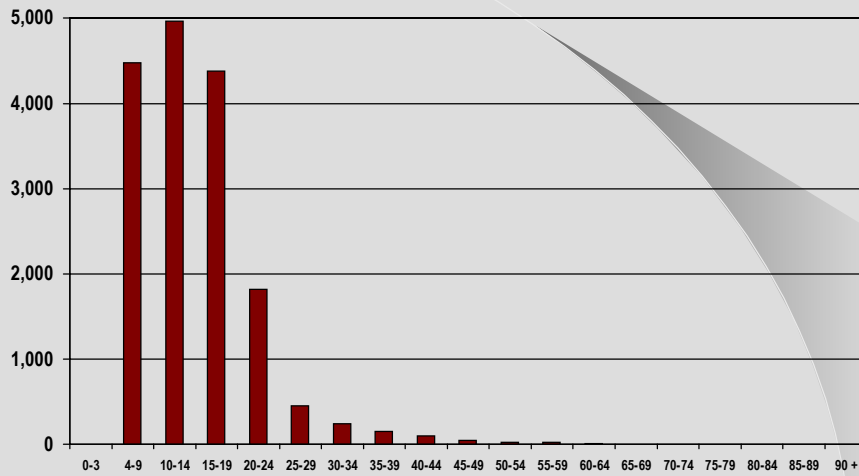


Source: Health Canada; Economics & Statistics

Economics and Statistics Branch, Department of Finance

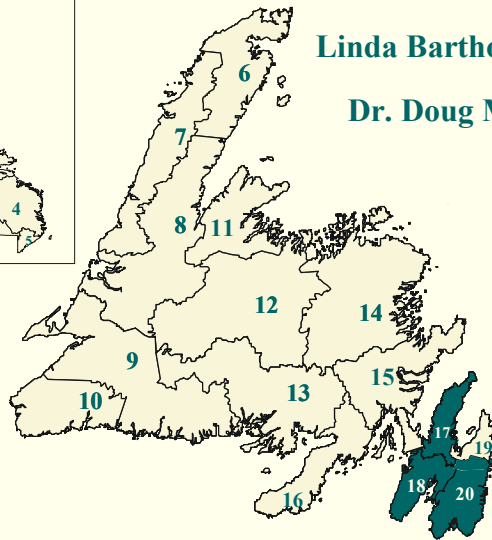
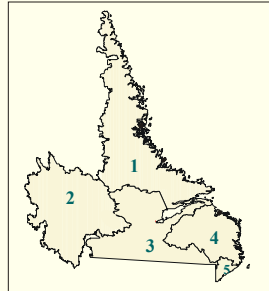
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Per Capita Education Expenditure Canada 1995



Source: Health Canada; Economics & Statistics
Economics and Statistics Branch, Department of Finance

Regional Demographic Trends



Linda Bartholomew

Dr. Doug May



What is Population Change?

Population in 1996 =

Population in 1991

+ **Births** between 1991 and 1996

- **Deaths** between 1991 and 1996

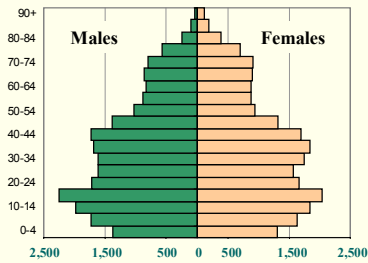
+ **Net Migration** between 1991 and 1996

+ Net Migration = In-Migration - Out-Migration

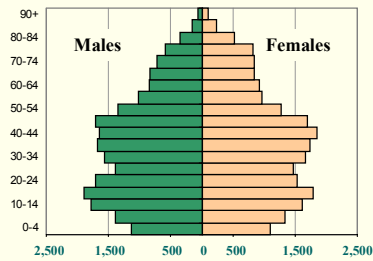


Population Distribution - Zone 17

1991

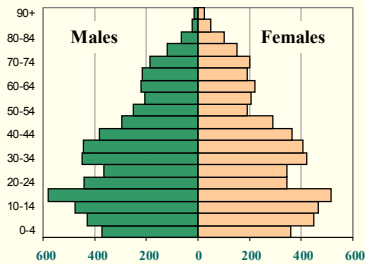


1996

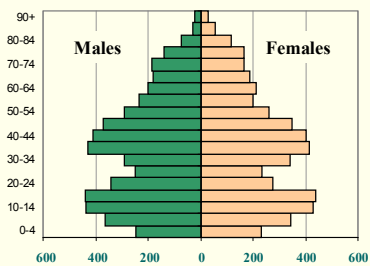


Population Distribution - Zone 18

1991

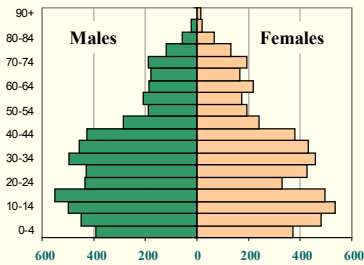


1996

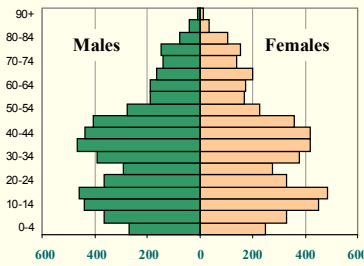


Population Distribution - Zone 20

1991



1996

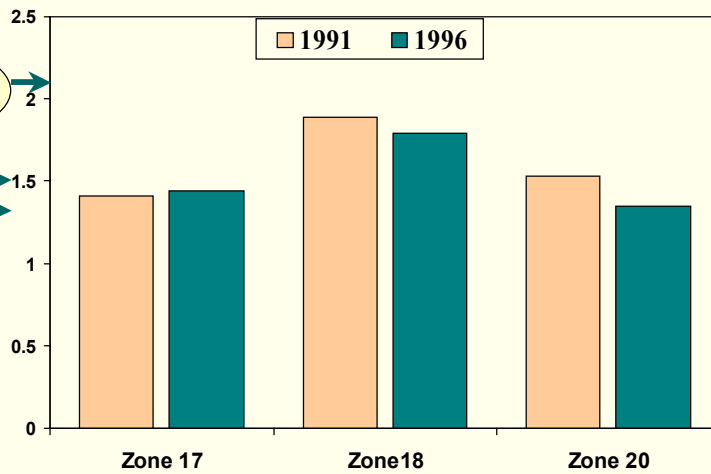


Total Fertility Rate - Zones 17, 18 & 20

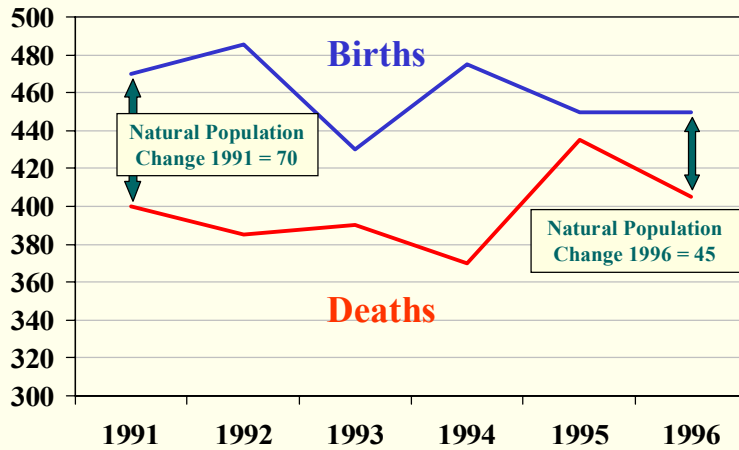
Replacement Value
2.1

NF 1991

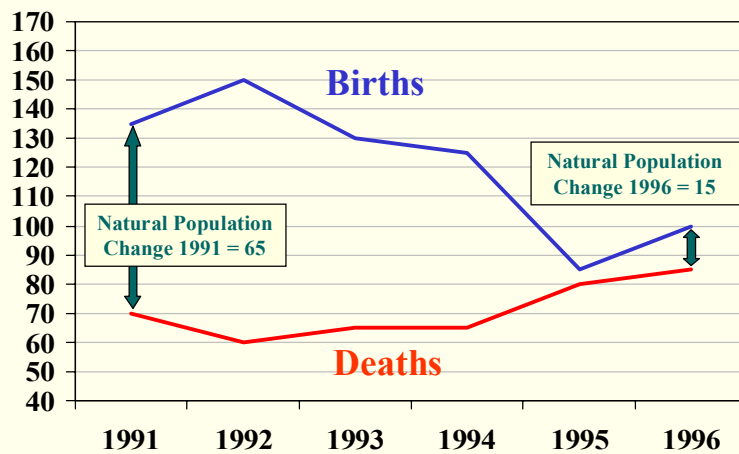
NF 1996



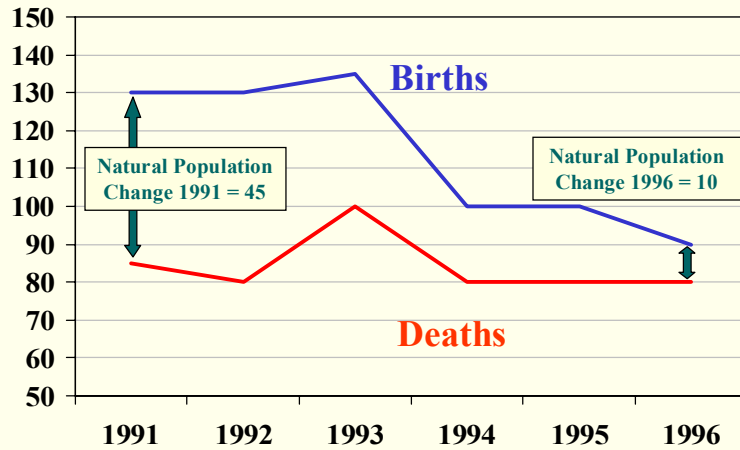
Zone 17 – Natural Population Change



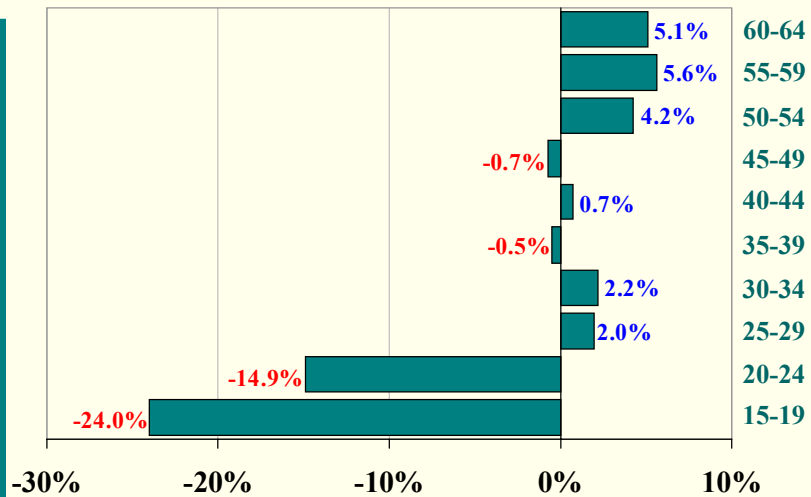
Zone 18 – Natural Population Change



Zone 20 – Natural Population Change

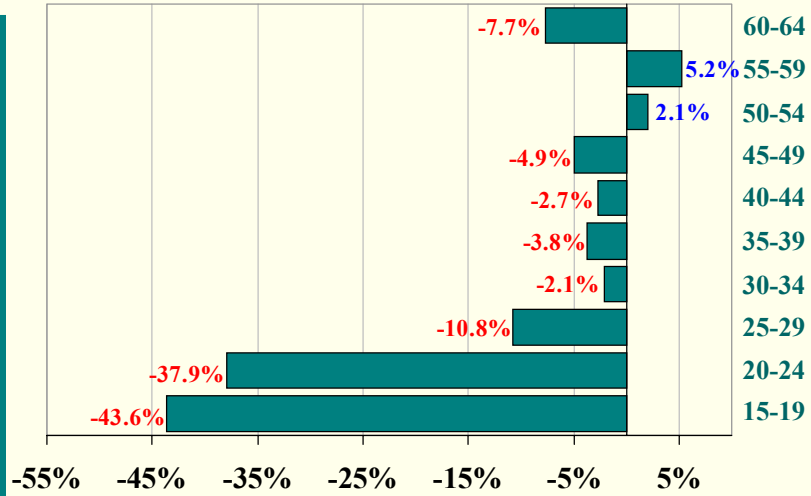


Net Migration Rates by Age - Zone 17 1991 to 1996



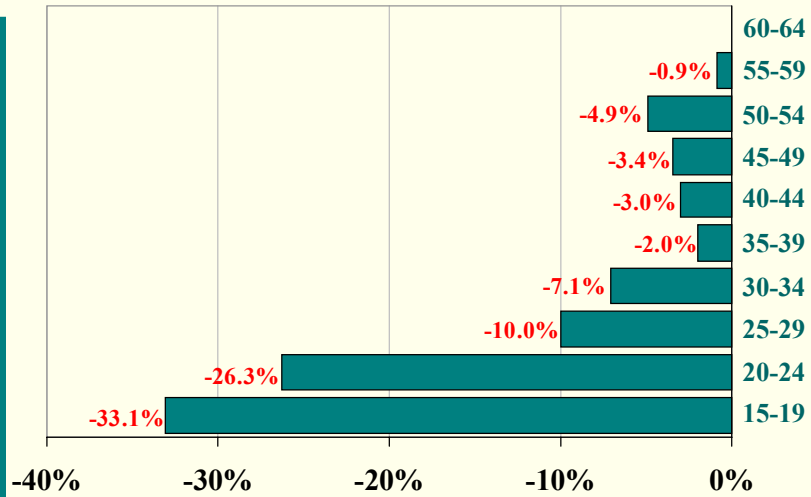
Note: We calculate the figures for each age group using the age of the individual at the beginning of each time period. For example, the figures for the 15-19 age group in the 1991 to 1996 period refers to the number of individuals in that group who migrated before they reached the ages of 20-24 in 1996.

Net Migration Rates by Age - Zone 18 1991 to 1996



Note: We calculate the figures for each age group using the age of the individual at the beginning of each time period. For example, the figures for the 15-19 age group in the 1991 to 1996 period refers to the number of individuals in that group who migrated before they reached the ages of 20-24 in 1996.

Net Migration Rates by Age - Zone 20 1991 to 1996



Note: We calculate the figures for each age group using the age of the individual at the beginning of each time period. For example, the figures for the 15-19 age group in the 1991 to 1996 period refers to the number of individuals in that group who migrated before they reached the ages of 20-24 in 1996.

Characteristics of Migrants

The Newfoundland Statistics Agency is conducting an ongoing survey of people leaving Newfoundland and Labrador.

Among the questions asked are:

- Reason for Leaving
- Household Size
- Level of Education
- Labour Market Status

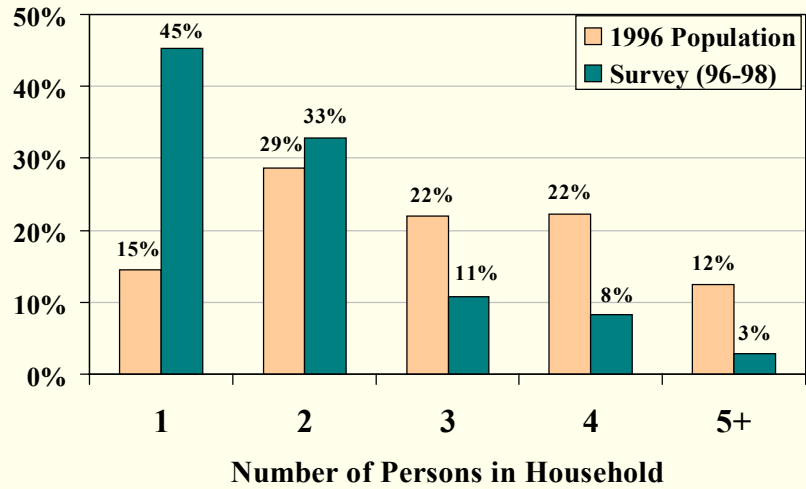


Reason for Leaving

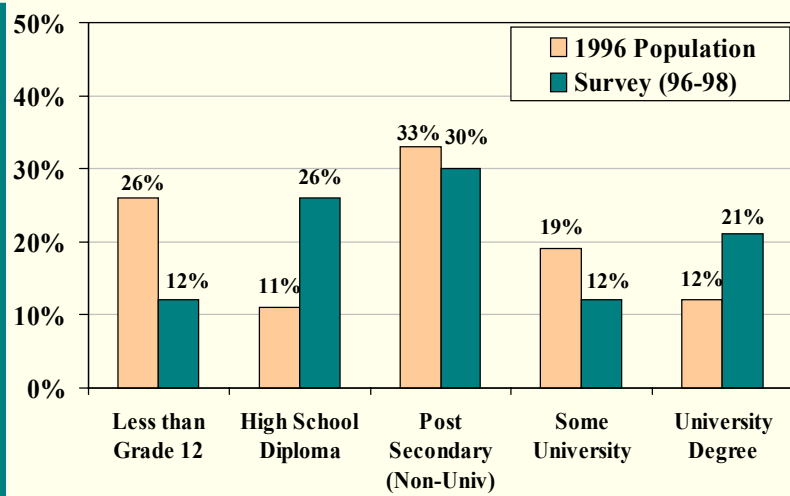
<u>Reason for Leaving</u>	<u>%</u>
Job Related	76%
Transfer	6%
New job	21%
Look for work	49%
Family	17%
Other	7%
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Total	100%
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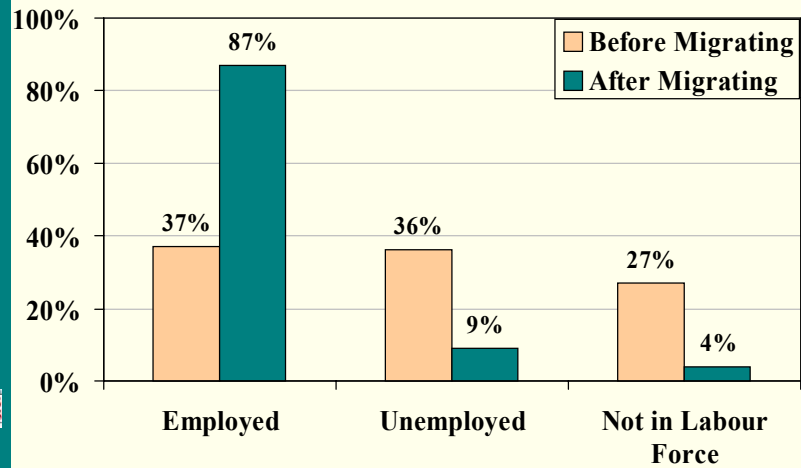
Household Size



Highest Level of Education - Age 20 to 34



Labour Force Status - Age 20 to 34



Summary

- Regional population change is driven by migration, particularly in the younger age groups.
- What are the causes of migration in your area?

