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POPULATION AGING IN CANADA: SOFTWARE FOR EXPLORING THE IMPLICATIONS FOR THE LABOUR FORCE AND THE PRODUCTIVE CAPACITY OF THE ECONOMY

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SEDAP Research Paper No. 146

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Abstract:
This report has two purposes: (1) to introduce a new version of the MEDS (Models of the Economic Demographic System) software; and (2) to apply it in a series of illustrative projections. The software is designed to illustrate the medium- to longer-term responses of the Canadian population and economy to a wide range of factors on either the demographic side, such as changes in rates of fertility, migration, and mortality, or the economic side, such as changes in the rate of technical progress or the educational attainment of young people or of new immigrants. "Standard" projections are provided, together with nineteen alternative projections. (For some illustrative projections, see http://socserv.mcmaster.ca/qsep.) The range of projections indicates the breadth of applications for which MEDS has been designed. It serves also to provide some quantitative measures of the likely demographic and economic consequences of population aging, and indicates the scope for evaluating policy initiatives by means of simulation.

Keywords: population, labour force, economy, projection system

JEL: J11, E17, C88

Résumé:
Ce rapport à deux objectifs: (1) présenter une nouvelle version du logiciel MEDS (Models of the Economic Demographic System); et (2) illustrer son utilisation par une série de projections à titre d'exemple. Le logiciel est conçu pour mettre en évidence les réactions à moyen et à long terme de la population et de l'économie canadiennes aux variations d'un large éventail de facteurs démographiques, tel la variation du taux de fertilité, des flux migratoires et de la mortalité ; ou économiques, tel les chocs technologiques ou la variation du rendement scolaire des jeunes et des nouveaux arrivants. Des projections standard sont offertes ainsi que 19 projections alternatives. (Pour des exemples illustratifs de projections, visiter le site http://socserv.mcmaster.ca/qsep .) La multiplicité des projections possibles reflète l'étendue des applications pour lesquelles MEDS a été conçu. Ce dernier est également utile pour produire une estimation quantitative des effets démographiques et économiques probables du vieillissement de la population, et examiner la capacité d'évaluer les initiatives de politiques publiques par des méthodes de simulation.

POPULATION AGING IN CANADA:

SOFTWARE FOR EXPLORING THE IMPLICATIONS FOR THE LABOUR FORCE

AND THE PRODUCTIVE CAPACITY OF THE ECONOMY[1]

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INTRODUCTION

This report has two purposes: (1) to introduce a new version of the MEDS (Models of the Economic Demographic System) software; and (2) to apply it in a series of illustrative projections. The software is designed to illustrate the medium- to longer-term responses of the Canadian population and economy to a wide range of factors that emanate either from the demographic side, such as changes in rates of fertility, migration, and mortality, or from the economic side, such as changes in the rate of technical progress or the educational attainment of young people or of new immigrants.

A sketch of the new system is provided in the next section, where the demographic and economic subsystems are described briefly and innovations in this new version of MEDS are discussed. Following that is a somewhat more detailed (but still brief) description of the economic subsystem (with equations presented in Appendix A). Illustrative applications of the complete system are then considered. "Standard" projections are discussed first (with full results in Appendix

B), followed by nineteen alternative projections (with results in Appendix C). The range of projections serves to indicate the breadth of applications for which MEDS has been designed. It serves also to give us some quantitative measure of the likely demographic and economic consequences of population aging, and indicates the scope for exploring, by means of simulation experiments, policy initiatives that might help to offset any concerns that might arise.

OVERVIEW OF MEDS

Versions of MEDS have been available continuously since the early 1980s, when support for the development of a user-friendly system for general use was made available by the federal government's Review of Demography and its Implications for Economic and Social Policy. MEDS adapted theoretical work relating to the modelling of economic-demographic systems (e.g., Denton and Spencer, 1973) to the Canadian context and provided PC-based software that could be used to simulate, project, or forecast the future course of population change and its macroeconomic consequences. The models have been maintained, developed in many ways, updated to reflect current data, and used in a wide variety of applications (e.g., Denton, Feaver, and Spencer, 1986, 1987, 1994, 1998a, 1998b, 1999, 2002; Denton, Li and Spencer, 1987; Denton and Spencer, 1987, 1995, 1997, 1998a, 1998b). All versions have had as their common focus the projection of the medium- to longer-term consequences, both demographic and economic, of population change in Canada. With this version the projection period ends in 2051; the initial conditions reflect Statistics Canada estimates that were available as of June 30, 2005.

Population change that affects the size and age composition of the labour force has an obvious and direct impact on the productive capacity of the economy: other things equal, more can

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be produced with a larger labour force or, given its size, more can be produced if the labour force is concentrated in the most productive age groups. That leads to an important observation: all versions of MEDS have in common that they model how population change affects the economy, and ignore possible ways in which economic change may affect the population. Various economy-to-population feedback mechanisms have been explored by us (e.g., Denton and Spencer, 1983, 1984, 1988, 1989) and others (e.g., Easterlin, 1961, 1978; Becker, 1960, 1992), but they are much more speculative in nature and have not been incorporated in standard versions of MEDS. (However, we note that even though they are not modelled as part of the system, the implications of many possible feedback effects of interest could be approximated with MEDS. As one example, the effects of a postulated link between higher rates of fertility and lower rates of female labour force participation could be explored by changing both.)

The population in MEDS is modelled in the demographic subsystem, MEDS-D, by single years of age, separately for males and females. It is moved ahead one year at a time with allowance for flows of immigrants and emigrants and through the application of age-specific rates of fertility and age-sex-specific rates of mortality. The labour force is derived, in five-year age groups, from the population; employment and unemployment, in turn, are derived from the labour force. The employed portion of the labour force, weighted to allow for age-sex and educational differences in productive characteristics, feeds into the economic subsystem, MEDS-E. In MEDS-E the productivity-weighted labour input enters the aggregate production function where, in combination with the available capital stock, the overall productive capacity of the economy is determined. Potential output, in turn, is allocated among the major national accounts expenditure categories (consumption, investment, government expenditure, etc.). Investment is added to the capital stock

(after allowance for depreciation), thereby affecting future productive capacity.

This version of MEDS differs mainly in the greater age detail in the treatment of the labour force, employment, and unemployment and in the much more elaborate treatment that has been given to the educational attainment of the population, and how the employed portion of the labour force enters into the aggregate production process. More specifically, the labour force is now treated in five-year age groups, from 15-19 through to 65-69, with an open-ended age group 70 and older. Seven levels of educational attainment (ranging from elementary or less through to postgraduate university degree) are modelled for the population in age groups 15-19 and older. For the current population in the age groups 35-39 and older educational attainment is assumed to be complete, and is adjusted in MEDS projections such that the educational distribution remains with each cohort as it ages. MEDS users can control the future course of the educational distribution for younger cohorts. The default assumption is that the distribution continues to adjust in accordance with recent trends; users can control how long those trends continue, and also how strong they are in the projection period. Changes in the educational distribution of younger age groups then remain with the cohorts as they age.

The distribution of the educational attainment of new immigrants differs from that of the rest of the population, in that new immigrants have higher levels of education on average. That is recognized in the projections, and can be modified by users of MEDS. Whatever assumptions are made in the projections about the educational distribution of immigrants affects the educational distribution of the population as a whole.

Rates of labour force participation and employment, and the distribution as between full-time and part-time work, hours per week, and weeks per year are all age, sex, and education specific. The

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employed labour force enters the aggregate production function, with appropriate productivity weights associated with each age-sex-education group.

The MEDS system is very large, consisting of several thousands of equations in total. A 'standard' projection, based on default values for all parameters, is provided. So are two alternative projections, one described as 'slow growth' and the other as 'rapid growth'. Beyond that, users are able to modify parameters of particular interest in order to explore the consequences. A variety of such cases are illustrated below. But first we turn to a more detailed description of the economic subsystem, MEDS-E.

THE ECONOMIC PROJECTION MODEL

What follows is a discussion of the structure of the MEDS-E subsystem. A listing of the equations and of the associated definitions of variables is included in Appendix A. We organize our discussion under the headings of the sections in the equation listing.

Aggregate Production and Factor Products

Total output (income) of the economy is generated by a production function, with inputs of labour and capital, and provision for technical progress (or technological change). A user may choose one of four alternative production functions: Cobb-Douglas, Constant Elasticity of Substitution (CES), Generalized Leontief, or Translog. (The standard assumption is Cobb-Douglas, but parameter values -- which may be altered by a user -- are provided for all four.) The rate of neutral technical progress can be varied over the projection period, or held constant. Constant returns to scale is the standard assumption, but that can be replaced by increasing or decreasing returns. Marginal factor products are calculated separately for each age-sex-education category of

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employment.

Capital Stock Excluding Consumer Durables

Three types of producer capital stock are calculated -- residential construction, nonresidential construction, and machinery and equipment. The three are then aggregated to obtain the total producer capital stock, for entry into the chosen production function. The stocks are calculated from real investment by the perpetual inventory method: they are updated each year, as the economy moves through time, by applying depreciation rates and adding in new annual investment. The age distributions (or "vintages," to use a term familiar in economic growth theory) are determined for each type of stock, that being made possible by the use of the perpetual inventory method. (The depreciation rates vary with the type of stock; they can be modified by a user, if that is desired.)

Fixed Investment

Real (fixed, as opposed to inventory) investment of each type is generated each year by applying share parameters to the aggregate saving generated by the economy. (See below for the calculation of aggregate saving.) Total investment is the sum of the three types.

Labour Supply and the Services of Labour

Labour input is calculated in this section, for incorporation into the production function. Account is taken of the changing educational composition of the population, of the numbers of part-time and full-time workers and their hours of work, and of the accumulated labour force experience of different age-sex cohorts. The numbers employed in each age-sex group are weighted to reflect differences in productivity across the education, part-time/full-time, and experience categories in arriving at total (effective) labour input.

As noted above, major changes have been made in this component of MEDS to incorporate

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a much more detailed treatment of the educational composition of the labour force, with allowance for the possibly differing educational composition of new immigrants, and the impact on productive capacity.

Income Associated with Labour

Wages (earnings) are based on marginal products, although they are not necessarily equal to marginal products: parameters are included to allow for differences because of discrimination, or for other reasons. The wage calculations are carried out separately for each age-sex-education category. Aggregate labour income is calculated as the difference between total gross domestic product and the share accruing to capital (before depreciation). An adjustment is then made to assure that the wages for individual groups are consistent with the labour income aggregate. Net wages are calculated by adjusting wages for taxes and transfer payments. (Note: it is convenient to speak of "wages" as the returns to labour; however the calculations include self-employment earnings and supplementary labour income, as well as wages in the narrower sense.)

Ownership of Capital and Income from Capital

Total wealth in the form of capital is defined as the sum of the producer capital stock (as discussed above) and the stock of consumer durables (see below). The total wealth so calculated is then distributed among population age cohorts, based on ownership share parameters derived from simulations using a lifecycle model that we have published elsewhere. Rates of return on producer capital, before and after depreciation, are calculated in this section also, followed by the calculation of the after-tax wealth income accruing to each age cohort.

Total Income

The calculations in the previous two sections allow the calculation in this one of the total

after-tax income of each age cohort.

Consumer Durables: Stock and the Flow of Services

The stock of consumer durables is generated here, using again the perpetual inventory method. As with producer durables, that method allows the age distribution of the stock in each year to be kept track of. Investment in consumer durables is determined by a parameter that allocates a share of aggregate saving to the generation of durable goods. The consumption of the durable goods is calculated as equal to the annual depreciation on the stocks. The conventional national accounts do not take account of the consumption of durable goods, as such, but only expenditures on durable goods, which are essentially investments rather than consumption. We have made it a practice, though, in designing MEDS to include an explicit calculation of durable-goods consumption. Aggregate consumption can thus be calculated either in the conventional way, or in the stricter (and theoretically preferable) way, by including durable consumption rather than durable expenditure.

Aggregate Consumption and Consumer Expenditure

Aggregate consumption is calculated here according to the strict definition given above (i.e., including durable consumption, rather than expenditure). Two options are provided: consumption can be generated by applying a share parameter to the gross domestic product remaining after government (all levels combined) has removed the amount required for its current real expenditures on goods and services, or by applying a different parameter to total net (after-tax) income. (The standard parameter values are based on observed historical averages; those averages tend to be quite stable, in the longer-term, but the parameters -- like the other parameters of the model -- can be modified by a user to reflect anticipated changes, or to see how sensitive the projection results are to alternative values.) Consumer expenditure based on the conventional definition is calculated also

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in this section by adjusting aggregate consumption so as to replace the consumption of durables by durable expenditure (i.e., investment in durable goods).

Aggregate Saving

Aggregate saving in the economy is identically equal (by national accounting rules) to the gross domestic product, minus consumption (the strict definition), government current expenditure on goods and services, the trade balance (exports minus imports), and the national accounts statistical discrepancy, plus consumption of durable consumer goods. Saving for purposes of fixed producer investment is equal to aggregate saving, minus inventory change, and minus the portion of government current expenditure financed by borrowing (rather than tax revenues).

Government Expenditure

Government current expenditure on goods and services is modeled (for the long run) as a fraction of the gross domestic product. (The fraction can be altered at a user's discretion.)

Aggregate Tax Rate, Net of Transfers

The overall tax rate, as defined for purposes of MEDS-E, is the ratio of the tax-financed portion of government expenditure on goods and services to the gross domestic product.

Aggregate Inventory Change

A parameter is provided, representing the (long-run) ratio of inventory change to gross domestic product. Historically, the inventory change/GDP ratio has been relatively stable, in the long run, although there have been substantial fluctuations from year to year, the result in large part of fluctuations in farm inventories, and especially grain inventories.

Aggregate Trade Balance

The net trade balance (exports minus imports) varies from year to year. In the long run,

though, it must show some stability. It is modeled as a ratio to gross domestic product.

Statistical Discrepancy

The statistical discrepancy represents the difference between gross domestic product calculated from the income side of the accounts, and GDP calculated from the expenditure side. It is erratic, but small, and is treated as a ratio to GDP.

Human Capital

The human capital embodied in an individual age-sex population cohort in each year of the projection period is calculated as the present value of the future earnings stream of the cohort, under the assumption that the age structure of employment patterns, mortality rates, and marginal product levels in the given year will hold for future years. The present values can be calculated using a fixed annual discount rate (of the user's choosing), or a variable rate equal to the current rate of return on physical capital (the "real interest rate," roughly speaking). Total human capital is then obtained by summing over cohorts.

A STANDARD PROJECTION

In this section we report on what we term a 'standard' projection. It is based on standard or default assumptions for all parameters in the system. The major assumptions are as follows:

Fertility: The total fertility rate remains at 1.501 births per woman.

Immigration: Immigration remains at 230,000 per year, starting in 2005-06.

Life Expectancy: Age-specific mortality rates continue to change in keeping with recent trends, such that the gain in life expectancy between 2001 and 2051 for males is 5.9 years and, for females, is 4.2 years.

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Emigration: Emigration remains at 0.16 percent of last year's population.

Labour Force Participation Rates:

The age-sex-education-specific rates continue to change until 2016 in keeping with recent trends.

Intensity of Work: The age-sex-education-specific rates of full-time/part-time work, hours worked per week, and weeks worked per year remain at recent levels.

Education: The educational composition of the population continues to change so as to reflect the aging of successive cohorts and recent trends in attainment; the educational composition of new immigrants relative to that of the beginning-of-period population is held constant.

Productivity: The annual rate of neutral technical change is 0.50 percent per year, starting in 2005.

Summary results based on this standard set of assumptions are provided in three sets of tables in Appendix B. The first set consists of four tables, labelled MEDS-D Table 1 through MEDS-D Table 4; they summarize demographic aspects of the projection. The next set consists also of four tables, MEDS-E, Tables 1 through 4; they summarize economic aspects. The final table is drawn from MEDS-E. It shows the educational distribution of the population aged 15 and older and also of the population in the age group 20-24. (The projected educational distribution of all other age groups is available as well; what is shown here is illustrative.) All results are displayed here at five-year intervals from 2001 to 2051 although, as noted, they are available for each year. (The first year for which results may be displayed is 1991, the last is 2051.)

Our major purpose here is to present results to illustrate the use of MEDS. A few words of

interpretation are in order. From Table 1 of MEDS-D we can see clearly the projected decline in the rate of growth of the population and, starting in the second half of this decade, also of the labour force. In consequence the population continues to grow and also to age. The results show an increase in the population between 2001 and 2051 of about 26 percent and in the labour force of about 16 percent. There is also a substantial decrease in the young (under 15) proportion of the population (from 18.9 to 13.5 percent) and increase in the old (65 and older, from 12.6 to 26.9 percent). From Table 2 we see also an increase in two measures of overall dependency – the ratio of the total population to the population aged 20-64 and to the labour force. It is noteworthy that the projected increase in the labour-force-based measure over the 35 years from 2001 to 2036 (about 6 percent) is somewhat less in the population-based measure (about 10 percent), but that both measures are projected to be *far lower* once the baby boom is in 'old age' than they were in 1966, when the baby boom was still young.

The projected impacts on the macroeconomy are shown in summary form in MEDS-E, Tables 1 through 4 in Appendix B. GDP more than doubles between 2001 and 2051, and similar increases occur in the expenditure components of consumption, fixed investment, and current government expenditure. Since the growth in GDP far exceeds that in the population, there is substantial growth in GDP per capita; it is projected to grow by about 95 percent. The economy is projected to become more capital intensive, with the capital/output ratio increasing about 65 percent.

ALTERNATIVE PROJECTIONS

A wide range of alternative projections, nineteen in total, is provided. Each one differs from the 'standard' by a change in one or more of the underlying assumptions. We consider the

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projections in three groups. The first involves differences in demographic assumptions, the second differences in economic assumptions, and the third differences in both. In brief, the nineteen projections differ from the standard case in the following ways.

Projections Involving Changes from 'Standard' Demographic Assumptions

1.	Higher Fertility	Fertility increases gradually to 2.1 births per woman in 2012, up from 1.5 in 2002, and remains at 2.1
2.	Lower Fertility	Fertility decreases gradually to 1.2 births per woman in 2012, and remains at 1.2
3.	Higher Immigration	Immigration increases to 280,000 per year in 2005-06, and remains at that level
4.	Lower Immigration	Immigration decreases to 180,000 per year in 2005-06, and remains at that level
5.	Higher Life Expectancy	Mortality rates decline relatively rapidly, such that life expectancy at birth increases between 2001 and 2051 by 7.4 for males and 5.9 for females
6.	Lower Life Expectancy	Mortality rates decline relatively slowly, such that life expectancy at birth increases between 2001 and 2051 by 4.2 for males and 2.4 for females
7.	Rapid Population Growth	Combines higher fertility, higher immigration, and higher life expectancy
8.	Slow Population Growth	Combines lower fertility, lower immigration, and lower life expectancy

Projections Involving Changes from 'Standard' Economic Assumptions

9. Higher Participation	For males in the age groups 20-24 to 60-64, participation rates rise from current levels to 1976 levels by 2016; for females in those age groups the rates increase from standard assumptions such that the male-female gap is maintained; standard assumptions apply to the rates for younger and older age groups
10. No Mandatory Retirement	Male and female labour force participation rates for the age groups 65-69 and 70+ increase by 10 percent
11. Higher Part-time Work	The proportion in each age-sex group working part-time increases by 20 percent
12. Lower Part-time Work	The proportion in each age-sex group working part-time decreases by 20 percent
13. Education of Immigrants	The educational composition of new immigrants is assumed to be the same as that of the population at large (in the standard case immigrants are much more concentrated in the higher educational groups)
14. Higher Education	Changes in the composition of educational attainment for the age groups 15-19 through 30-34 gradually increase more rapidly such that, as compared to the standard case, the rate of change is twice as great by 2016
15. Higher Productivity	The rate of neutral technical progress increases to 1.00 percent per year in 2005-06, and remains at that level.

| 16. | Rapid Economic Growth | Combines higher productivity, higher labour force participation, lower part-time work, and higher education |
| 17 | Slow Economic Growth | Combines lower productivity (technical progress is at an assumed rate of 0.25 percent per year, starting in 2005-06), standard labour force participation, lower part-time work, and standard education |

Projections Involving Changes from 'Standard' Demographic and Economic Assumptions

| 18. | Rapid Growth | Combines rapid population growth and rapid economic growth |
| 19. | Slow Growth | Combines slow population growth and slow economic growth |

RESULTS BASED ON THE ALTERNATIVE PROJECTIONS

The results of the nineteen projections are provided in Appendix C. The presentation of results for each of the alternative projections is the same as for the standard case – that is, values are shown at five-year intervals, starting with 2001 and running to 2051; four tables summarize the main demographic features, four summarize the main economic features, and one table that shows the educational composition of the population.

To facilitate comparisons across all projections, Table 1 reports, for selected variables, observed values for 2001 and projected values for 2021. All values are shown in index form, and set to 100.0 in 2001. Table 2 has the same information content as Table 1, but shows for 2021 the percentage differences from the standard projection. Tables 3 and 4 are similar, but show values for 2051 rather than 2021. The variables chosen in these tables are: population size (POP); labour force size (LF); two labour-force-based measures of dependency – the *overall dependency ratio* represented by the population relative to labour force (POP/LF), and *'older' dependency ratio*

represented by the population 65 and older relative to labour force (POP65+/LF); gross domestic product (GDP); GDP per capita (GDP/POP); and GDP per employed person (GDP/ETOT).

Projections to 2021

Consider first the standard projection, based on the 'standard' set of assumptions. By 2021 the population increases by about 17 percent and the labour force by 18 percent, as compared to twenty years earlier. In consequence the overall dependency ratio changes little. At the same time the older dependency ratio increases by half, reflecting the substantial aging of the population that will take place over this period as the baby boom ages. (By 2021 the first half of the baby boom generation will have passed the age 65 marker.) Over the same period GDP is projected to increase by almost 70 percent while GDP per capita and per employed person both increase by more than 40 percent.

What happens if the assumptions underlying the population projection are changed? If the total fertility rate were to increase to 2.1 births per woman, roughly the replacement rate, the population would be 5.3 percent larger. However, there would be very little impact on the labour force, since only a few of the additional births would have reached labour force age by 2021; for the same reason there is little impact on the older dependency ratio, on GDP, or GDP per employed person. However, because of the growth in the younger population the total dependency ratio *rises* by 5 percent and GDP per capita *falls* by 5 percent. With lower fertility there are fewer births: the total fertility rate is assumed to fall from 1.5 births per woman to 1.2. In this case, too, there is very little impact on the size of the labour force by 2021 and, in consequence, on productive capacity, output per employed person, or the older dependency ratio. However, the population is smaller by 2.6 percent and that is reflected in the total dependency ratio, which is 2.5 percent lower, and GDP per capita, which is 2.7 percent higher.

The situation is quite different if the source of population change comes from immigration rather than fertility, since there is an immediate impact on the labour force as well as the population. Increasing immigration by 50,000 per year results in a population that is 2.4 percent larger while reducing it by the same amount results in a population that is 2.4 percent smaller. The impact on the labour force is somewhat greater since immigrants are more concentrated than the population at large in the working ages. Higher immigration tends to reduce output per capita and per employee, and lower immigration to increase them. However, the differences are very small.

Higher rates of decline in mortality, as reflected in increased life expectancy, result in a larger population and also a larger labour force, which reminds us that some of the gains in mortality occur at younger ages. However, the differences are small, with correspondingly small impacts on productive capacity or other measures.

The final two alternative demographic projections vary all demographic assumptions at the same time so as to produce either 'rapid population growth' (a combination of higher fertility, higher immigration, and higher life expectancy) or 'slow population growth' (lower fertility, lower immigration, and lower life expectancy). The combined effects are relatively large, as one would expect. Rapid population growth results in a larger population, a larger labour force, more GDP, and a reduction in the older dependency ratio. But it also results in a higher total dependency ratio and less output per capita. Conversely, with slow population growth the population, labour force, and GDP are smaller and the overall dependency ratio is reduced, while GDP per capita and the older dependency ratio increase.

What happens when the economic assumptions are altered? None has any impact of the size of the population, of course, and only those assumptions that relate to labour force participation rates

(higher participation, no mandatory retirement) affect the size of the labour force. Higher participation has a notable positive impact on the size of the labour force and, in consequence, on GDP and GDP per capita: the labour force increases by 4.3 percent and GDP and GDP per capita by 5.8 percent. Higher participation results also in lower dependency ratios. By comparison, increasing by 10 percent the participation rates of only those 65-69 and 70 and older, an approximation to the effects of eliminating mandatory retirement in all provinces, has a much smaller effect on the size of the labour force, with consequent smaller impacts on measures of output and dependency.

Increasing the portion of labour force participation that occurs on a part-time basis has no impact on the overall size of the labour force or on the measures of dependency, but it does reduce ouput by 1.7 percent. Lower part-time (and hence more full-time) work has the opposite effect, of increasing output measures.

What about education? The projection labelled 'immigrant education same as rest' provides a measure of the potential economic benefit of continuing the practice of having new immigrants with relatively high levels of education. It suggests that, if new immigrants had the same educational distribution as the rest of the population, GDP would be 1.6 percent lower in 2021. Somewhat more rapid improvements in the education of the domestic population yields an increase in projected GDP that is about 2 percent higher than with standard assumptions. That is much smaller than the gain associated with markedly higher participation rates, but it is still notable.

However, the biggest economic gain by far is associated with 'higher productivity': with neutral technical progress of 1.0 instead of 0.5 percent per year, GDP in 2021 is 9.9 percent higher than with standard assumptions.

The last two projections in this set relate to 'rapid economic growth' (which combines higher participation, lower part-time work, higher education, and higher productivity) and 'slow economic growth' (standard participation, higher part-time work, lower productivity). With 'rapid economic growth' rather than standard assumptions, GDP is 21 percent higher by 2021; with 'slow economic growth' it is 6 percent lower.

The final two projections vary both demographic and economic assumptions. The first, 'rapid growth', combines all the assumptions underlying both rapid population growth and rapid economic growth. The second, 'slow growth', combines all the assumptions underlying slow population growth and slow economic growth. With rapid growth GDP is 23 percent higher by 2021, and GDP per capita 14 percent higher, than in the standard case. With slow growth they are 8 and 3 percent lower. As is evident from the earlier discussion, the differences in economic assumptions dominate the differences in demographic assumptions, in terms of the magnitude of the impact on both output and output per capita.

Projections to 2051

By 2051, with standard assumptions, growth in the population has effectively ceased; it is then about one-quarter larger than it was in 2001, and only 7 percent larger than in 2021. The labour force, on the other hand, is only about one-sixth larger than it was in 2001 (and smaller than it was in 2021). That implies substantial change in the age distribution of both the population and the labour force. Most notably, the older dependency ratio more than doubles by 2051, reflecting by then mostly the effects of sustained low fertility since relatively few of those born during the baby boom are still alive. (The older dependency ratio is 130 percent higher, with standard assumptions.)

However, there is an offsetting decline in the younger population, such that the total dependency ratio increases by only 8.4 percent from 2001. Even so, as a result mostly of assumed on-going technical progress, both GDP and GDP per capita are higher in 2051 than in 2021 (about 45 and 35 percent, respectively).

The impacts of the alternative projections are in the direction that one would expect, based on the earlier discussion. For example, with higher fertility or higher immigration the population and labour force are both larger, as is GDP. However, while GDP per capita is notably lower with higher fertility than with standard assumptions (8 percent), it is higher with higher immigration (although only 0.1 percent). The older dependency ratio is reduced in both cases, but the effect is much stronger with higher fertility (14 percent) than with higher immigration (4 percent). At the same time, the overall dependency ratio is little affected in either case, by 2051, as compared to the standard projection. That demonstrates that higher fertility or higher immigration, sustained over a period of several decades, as is assumed here, has approximately the same impact on the size of the labour force as on the size of the population. With lower fertility or lower immigration the effects are in the opposite direction. Changes in life expectancy have much smaller impacts on population size or GDP, but the relatively large impact on the size of the older population, and hence on the older dependency ratio, is worth observing.

If the forces leading to faster population growth – higher values of each of fertility, immigration, and life expectancy – are combined, as in the case of 'rapid population growth', the population is about 29 percent larger and the labour force 26 percent. While that results in higher GDP, GDP per capita is almost 9 percent lower. Slow population growth produces results in the opposite direction.

Consider now the alternative economic assumptions. Greater output could result from greater

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work effort, either through higher rates of labour force participation or less part-time work, higher levels of education, or more rapid technical progress. With higher participation both the size of the labour force and GDP increase, and dependency decreases. The increase in both GDP and GDP per capita is 7.4 percent. Eliminating mandatory retirement also reduces dependency and increases GDP, but the quantitative effects are very small, by comparison. Less part-time (and hence more full-time) work has somewhat larger effects. Education is relatively more important. If new immigrants had only the same education levels as the domestic population, the projection suggests that GDP would be about 3.2 percent lower. By contrast, a transition towards higher education for all would have a notably larger effect: GDP and GDP per capita would increase by 7 percent. However, all those potential gains pale by comparison with the consequences of higher productivity growth: if neutral technical progress were to increase by 1.0 percent per year, double the assumed standard of 0.5 percent, GDP would be one-third higher. Combining all the assumptions leading to faster growth (higher participation, less part-time work, and higher productivity growth) would results in output levels more than 50 percent higher than in the standard case.

Finally, combining the rapid population growth and rapid economic growth assumptions would result in a population and labour force that were both about 30 percent larger than in the standard case, and output that was larger by 83 percent.

CONCLUDING REMARKS

MEDS (Models of the Economic Demographic System) software has been available now for about two decades, and has been used extensively for the projection and analysis of the medium- to longer-term demographic and economic consequences of population change. The new version of

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MEDS that has been developed and reported on here extends earlier versions in a number of ways. The major advance relates to the role of education: educational attainment is now reflected in education-specific rates of labour force participation and that in turn affects the productive capacity of the economy. The educational composition of new immigrants receives separate attention. That is important, since new immigrants, on average, have higher levels of educational attainment than the rest of the population. That is now recognized explicitly in MEDS, which can be used to assess the economic effect of such differences as successive cohorts of new immigrants have a continuing impact on the educational composition of the population as a whole, and hence on the labour force and the productive capacity of the economy. The projections presented here serve illustrate how MEDS can be used to analyse the consequences not only of assumed changes in educational composition but also of a wide range of alternative assumptions relating to the future course of fertility, immigration, life expectancy, and intensity of labour force involvement.

Table 1: Projected Values of Key Variables Under Alternative Demographic and Economic Assumptions, Canada, 2021

	POP	LF	POP / LF	POP65+ / LF	GDP	GDP / POP	GDP / ETOT
			-- Index values, 2001 = 100.0 --				
2001 Values	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2021 Values, Projected							
Standard Projection	117.2	118.4	99.0	149.2	169.3	144.4	143.0
Alternative Demographic Assumptions							
Higher Fertility	123.4	118.7	103.9	148.5	169.3	137.2	142.6
Lower Fertility	114.1	118.3	96.5	149.3	169.3	148.4	143.1
Higher Immigration	120.1	121.7	98.6	145.6	173.2	144.3	142.3
Lower Immigration	114.4	115.2	99.3	152.1	165.3	144.5	143.5
Higher Life Expectancy	117.4	118.5	99.1	149.4	169.4	144.3	142.9
Lower Life Expectancy	117.0	118.4	98.9	148.3	169.2	144.6	143.0
Rapid Population Growth	126.5	122.1	103.7	145.6	173.3	137.0	142.0
Slow Population Growth	111.2	115.0	96.7	151.9	165.3	148.7	143.8
Alternative Economic Assumptions							
Higher Participation	117.2	123.6	94.9	143.0	179.2	152.8	145.0
No Mandatory Retirement	117.2	118.6	98.8	149.0	169.7	144.8	142.9
Higher Part-time Work	117.2	118.4	99.0	149.2	166.5	142.0	140.5
Lower Part-time Work	117.2	118.4	99.0	149.2	172.1	146.8	145.3
Immigrant Education Same as Rest	117.2	118.4	99.0	149.2	166.6	142.2	140.7
Higher Education of Population	117.2	118.4	99.0	149.2	172.6	147.2	145.7
Higher Productivity	117.2	118.4	99.0	149.2	186.1	158.8	157.1
Rapid Economic Growth	117.2	123.6	94.9	143.0	204.2	174.2	165.2
Slow Economic Growth	117.2	118.4	99.0	149.2	158.8	135.5	134.1
Alternative Demographic and Economic Assumptions							
Rapid Growth	126.5	127.3	99.4	139.6	209.0	165.2	164.2
Slow Growth	111.2	115.0	96.7	151.9	155.0	139.5	134.9

Table 2: Projected Values of Key Variables Under Alternative Demographic and Economic Assumptions, Canada, 2021: Percent Differences from Standard

	POP	LF	POP LF	POP65+ LF	GDP	GDP POP	GDP ETOT
	-- Index values, 2001 = 100.0 --						
2001 Values	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2021 Values, Projected							
Standard Projection	117.2	118.4	99.0	149.2	169.3	144.4	143.0
	-- Percent difference from 2021 standard values --						
Alternative Demographic Assumptions							
Higher Fertility	5.3	0.2	5.0	-0.5	0.0	-5.0	-0.2
Lower Fertility	-2.6	-0.1	-2.5	0.0	0.0	2.7	0.1
Higher Immigration	2.4	2.8	-0.3	-2.4	2.3	-0.1	-0.4
Lower Immigration	-2.4	-2.8	0.3	1.9	-2.4	0.1	0.4
Higher Life Expectancy	0.2	0.1	0.1	0.1	0.0	-0.1	0.0
Lower Life Expectancy	-0.2	-0.1	-0.1	-0.6	-0.1	0.1	0.0
Rapid Population Growth	7.9	3.1	4.7	-2.4	2.4	-5.2	-0.7
Slow Population Growth	-5.2	-2.9	-2.3	1.8	-2.4	2.9	0.6
Alternative Economic Assumptions							
Higher Participation	0.0	4.3	-4.1	-4.1	5.8	5.8	1.4
No Mandatory Retirement	0.0	0.1	-0.1	-0.1	0.2	0.2	-0.1
Higher Part-time Work	0.0	0.0	0.0	0.0	-1.7	-1.7	-1.7
Lower Part-time Work	0.0	0.0	0.0	0.0	1.6	1.6	1.6
Immigrant Education Same as Rest	0.0	0.0	0.0	0.0	-1.6	-1.6	-1.6
Higher Education of Population	0.0	0.0	0.0	0.0	1.9	1.9	1.9
Higher Productivity	0.0	0.0	0.0	0.0	9.9	9.9	9.9
Rapid Economic Growth	0.0	4.3	-4.1	-4.1	20.6	20.6	15.6
Slow Economic Growth	0.0	0.0	0.0	0.0	-6.2	-6.2	-6.2
Alternative Demographic and Economic Assumptions							
Rapid Growth	7.9	7.5	0.4	-6.4	23.4	14.3	14.8
Slow Growth	-5.2	-2.9	-2.3	1.8	-8.4	-3.4	-5.7

Table 3: Projected Values of Key Variables Under Alternative Demographic and Economic Assumptions, Canada, 2051

	POP	LF	POP/LF	POP65+/LF	GDP	GDP/POP	GDP/ETOT
				-- Index values, 2001 = 100.0 --			
2001 Values	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2051 Values, Projected							
Standard Projection	125.8	116.0	108.4	231.5	244.9	194.7	211.1
Alternative Demographic Assumptions							
Higher Fertility	150.4	135.5	111.0	198.3	269.5	179.2	199.0
Lower Fertility	114.7	106.4	107.8	253.2	232.4	202.5	218.3
Higher Immigration	134.7	125.4	107.4	222.5	262.6	195.0	209.4
Lower Immigration	116.9	106.7	109.6	241.8	227.2	194.4	213.0
Higher Life Expectancy	127.7	116.4	109.7	241.9	245.6	192.4	211.0
Lower Life Expectancy	123.7	115.5	107.1	220.2	244.1	197.2	211.3
Rapid Population Growth	162.3	145.9	111.3	200.4	288.6	177.8	197.8
Slow Population Growth	104.4	96.9	107.7	252.9	214.1	205.2	220.9
Alternative Economic Assumptions							
Higher Participation	125.8	121.0	104.0	221.9	263.1	209.1	217.4
No Mandatory Retirement	125.8	116.5	108.0	230.5	246.0	195.5	211.1
Higher Part-time Work	125.8	116.0	108.4	231.5	240.1	190.8	206.9
Lower Part-time Work	125.8	116.0	108.4	231.5	249.6	198.4	215.1
Immigrant Education Same as Rest	125.8	116.0	108.4	231.5	237.0	188.4	204.3
Higher Education of Population	125.8	116.0	108.4	231.5	261.0	207.5	224.9
Higher Productivity	125.8	116.0	108.4	231.5	325.4	258.7	280.5
Rapid Economic Growth	125.8	121.0	104.0	221.9	380.8	302.7	314.7
Slow Economic Growth	125.8	116.0	108.4	231.5	208.4	165.6	179.6
Alternative Demographic and Economic Assumptions							
Rapid Growth	162.3	151.9	106.8	192.5	447.7	275.9	294.7
Slow Growth	104.4	96.9	107.7	252.9	182.2	174.6	188.0

Table 4: Projected Values of Key Variables Under Alternative Demographic and Economic Assumptions, Canada, 2051: Percent Differences from Standard

	POP	LF	POP LF	POP65+ LF	GDP	GDP POP	GDP ETOT
	-- Index values, 2001 = 100.0 --						
2001 Values	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2051 Values, Projected							
Standard Projection	125.8	116.0	108.4	231.5	244.9	194.7	211.1
	-- Percent difference from 2051 standard values --						
Alternative Demographic Assumptions							
Higher Fertility	19.6	16.7	2.4	-14.3	10.1	-8.0	-5.7
Lower Fertility	-8.8	-8.3	-0.6	9.4	-5.1	4.0	3.4
Higher Immigration	7.1	8.1	-0.9	-3.9	7.2	0.1	-0.8
Lower Immigration	-7.1	-8.1	1.1	4.5	-7.2	-0.2	0.9
Higher Life Expectancy	1.5	0.4	1.1	4.5	0.3	-1.2	-0.1
Lower Life Expectancy	-1.6	-0.4	-1.2	-4.9	-0.4	1.3	0.1
Rapid Population Growth	29.0	25.7	2.6	-13.4	17.8	-8.7	-6.3
Slow Population Growth	-17.0	-16.5	-0.7	9.3	-12.6	5.4	4.6
Alternative Economic Assumptions							
Higher Participation	0.0	4.3	-4.1	-4.1	7.4	7.4	3.0
No Mandatory Retirement	0.0	0.4	-0.4	-0.4	0.4	0.4	0.0
Higher Part-time Work	0.0	0.0	0.0	0.0	-2.0	-2.0	-2.0
Lower Part-time Work	0.0	0.0	0.0	0.0	1.9	1.9	1.9
Immigrant Education Same as Rest	0.0	0.0	0.0	0.0	-3.2	-3.2	-3.2
Higher Education of Population	0.0	0.0	0.0	0.0	6.6	6.6	6.6
Higher Productivity	0.0	0.0	0.0	0.0	32.9	32.9	32.9
Rapid Economic Growth	0.0	4.3	-4.1	-4.1	55.5	55.5	49.1
Slow Economic Growth	0.0	0.0	0.0	0.0	-14.9	-14.9	-14.9
Alternative Demographic and Economic Assumptions							
Rapid Growth	29.0	30.9	-1.5	-16.8	82.8	41.7	39.6
Slow Growth	-17.0	-16.5	-0.7	9.3	-25.6	-10.3	-11.0

APPENDIX A: EQUATIONS OF THE ECONOMIC PROJECTION MODEL

1. AGGREGATE PRODUCTION AND FACTOR PRODUCTS

Cobb-Douglas Production Function --

$$GDP(T) = PCD0(T) * (KTOT(T)**PCD1) * (LINPUT(T)**PCD2)$$

$$PCD0(T) = PCD0(T-1) * (1+PN(T))$$

$$MPKTOT(T) = PCD1 * (GDP(T)/KTOT(T))$$

$$MPETOT(T) = PCD2 * (GDP(T)/LINPUT(T))$$

$$PRTS = PCD1 + PCD2$$

CES Production Function --

$$GDP(T) = PCES0(T) * ((PCES1 * (KTOT(T)**PCES3) + PCES2 *$$
$$(LINPUT(T)**PCES3)) ** (PCES4/PCES3)$$

$$PCES0(T) = PCES0(T-1) * (1+PN(T))$$

$$MPKTOT(T) = PCES4 * PCES1 * PCES0(T) * (PCES1 *$$
$$KTOT(T)**PCES3 + PCES2 * LINPUT(T) ** PCES3) **$$
$$((PCES4 - PCES3)/PCES3) * KTOT(T) ** (PCES3-1)$$

$$MPETOT(T) = PCES4 * PCES2 * PCES0(T) * (PCES1 *$$
$$KTOT(T)**PCES3 + PCES2 * LINPUT(T) ** PCES3) **$$
$$((PCES4 - PCES3)/PCES3) * LINPUT(T) ** (PCES3-1)$$

$$PRTS = PCES4$$

Generalized Leontief Production Function --

$$GDP(T) = PGL0(T) * (PGL1 * KTOT(T)**PGL4 + PGL2 *$$
$$LINPUT(T)**PGL4 + 2.0 * PGL3 * KTOT(T)**(0.5*PGL4) *$$
$$LINPUT(T)**(0.5*PGL4))$$

$$PGL0(T) = PGL0(T-1) * (1+PN(T))$$

$$MPKTOT(T) = PGL4 * PGL0(T) * (PGL1 + PGL3 *$$
$$(LINPUT(T)/KTOT(T))**(0.5*PGL4)) * KTOT(T)**(PGL4-1)$$

$$MPETOT(T) = PCL4 * PGL0(T) * (PGL2 + PGL3 *$$
$$(KTOT(T)/LINPUT(T))**(0.5*PGL4)) * LINPUT(T)**(PGL4-1)$$

$$PRTS = PGL4$$

Translog Production Function --

$$LN(GDP(T)) = PTL0(T) + PTL1 * LN(KTOT(T)) + PTL2 *$$
$$LN(LINPUT(T)) + 0.5 * PTL3 * (LN(KTOT(T)))**2 +$$
$$PTL4 * LN(KTOT(T)) * LN(LINPUT(T)) + 0.5 * PTL5 *$$
$$(LN(LINPUT(T)))**2$$

$$PTL0(T) = PTL0(T-1) + T * (LN((1+PN(T)))$$

$$MPKTOT(T) = (PTL1 + PTL3 * LN(KTOT(T) + PTL4 * LN(LINPUT(T)))$$
$$* (GDP(T)/KTOT(T))$$

$$MPETOT(T) = (PTL2 + PTL4 * LN(KTOT(T)) + PTL5 *$$
$$LN(LINPUT(T))) * (GDP(T)/LINPUT(T))$$

$$PRTS = PTL1 + PTL2$$

Marginal Product Calculations, All Production Functions --

$$MPROD(S,A,T) = MPETOT(T) * LWT1(A,T) * LEX(S,A,T)**ETA *$$
$$(SUM(E) (LADJ1(S,A,E,T) *LWT2(S,A,E,T) *$$
$$ECOMP(S,A,E,T))) \qquad (S = 1,2; A = A1,...,A12)$$

$$MPRODE(S,A,E,T) = MPETOT(T) * LWT1(A,T) * LEX(S,A,T)**ETA *$$
$$LADJ1(S,A,T) * LWT2(S,A,E,T)$$
$$(S = 1,2; A = A1,...,A12; E = E1,...,E7)$$

2. CAPITAL STOCK EXCLUDING CONSUMER DURABLES

Fixed Capital Stock, by Type --

$$KRES(T) = (1-DR) * KRES(T-1) + IRES(T-1)$$

$$KNRES(T) = (1-DNR) * KNRES(T-1) + INRES(T-1)$$

$$KMACH(T) = (1-DM) * KMACH(T-1) + IMACH(T-1)$$

$$KTOT(T) = KRES(T) + KNRES(T) + KMACH(T)$$

Fixed Capital Stock, by Type and Vintage --

$$KR(A,T) = ((1-DR)**A) * IRES(T-A-1) \qquad (A = 0,1,2,...)$$

$$KNR(A,T) = ((1-DNR)**A) * INRES(T-A-1) \qquad (A = 0,1,2,...)$$

$$KM(A,T) = ((1-DM)**A) * IMACH(T-A-1) \qquad (A = 0,1,2,...)$$

$$KT(A,T) = KR(A,T) + KNR(A,T) + KM(A,T) \qquad (A = 0,1,2,...)$$

Depreciation --

$$DEP(T) = DR*KRES(T) + DNR*KNRES(T) + DM*KMACH(T)$$

$$DELTA(T) = DEP(T)/KTOT(T)$$

3. FIXED INVESTMENT

$$IRES(T) = PRES(T) * ISAVING(T)$$

$$INRES(T) = PNRES(T) * ISAVING(T)$$

$$IMACH(T) = PMACH(T) * ISAVING(T)$$

$$ITOT(T) = IRES(T) + INRES(T) + IMACH(T)$$

4. LABOUR SUPPLY AND THE SERVICES OF LABOUR

Educational Composition of the Population --

$$POPED(S,A,E,T) = ECOMP(S,A,E,T) * POP(S,A,T)$$

$$IMED(S,A,E,T) = IMECOMP(S,A,E,T)*IM(S,A,T)$$

$$ECOMP(S,A,E,T) = ECOMP1(S,A,E,T)*(POPED(S,A,E,T-1)-$$
$$IMED(S,A,E,T))/(POPED(S,A,E,T-1) +$$
$$IMECOMP(S,A,E,T)*IMED(S,A,E,T)/POPED(S,A,E,T-1) + ECOMP(S,A,E,T-1) -$$
$$ECOMP1(S,A,E,T-1)$$

Note: SUM(E) (ECOMP(S,A,E,T)) = 1.0 for A=A1,...,A12

$$ECOMP1(S,A,E,T) = ECOMP1(S,A-1,E,T-5) + ALPHA(T) * 1/2 *$$
$$((ECOMP1(S,A,E,2001) - ECOMP1(S,A-1,E,1996) + ECOMP1(S,A,E,1996) -$$
$$ECOMP1(S,A-1,E,1991)) \qquad \text{for A=A2,...,A4}$$

$$ECOMP1(S,A1,E,T) = ECOMP1(S,A1,E,T-5) + ALPHA(T) * 1/2 *$$
$$((ECOMP1(S,A1,E,2001) - ECOMP1(S,A1,E,1991))$$

$$ECOMP1(S,A,E,T) = ECOMP1(S,A-1,E,T-5) \text{ for A} = \text{A5,...,A12}$$

$$0 \# ECOMP1(S,A,E,T) \# 1$$

$$SUM(A) (ECOMP1(S,A,E,T)) = 1.0$$

IMREL(S,A,E,2001) = IMECOMP(S,A,E,2001) / ECOMP(S,A,E,2001)

IMECOMP(S,A1,E,T) = IMREL(S,A1,E,2001) * ECOMP1(S,A1,E,T)

IMECOMP(S,A,E,T) = IMWT(E,T)*IMREL(S,A,E,2001)*ECOMP1(S,A,E,T)

    for A = A2,...,A12

SUM(E) (IMECOMP(S,A,E,T)) = 1.0 for A=A1,...,A12

Labour in Aggregate Production –

LF(S,A,E,T) = LFPR(S,A,E,T) *(1-XPROP(S,A,E,T))* POPED(S,A,E,T)

LFPR(S,A,E,T) = f (LF(S,A,T))

XPROP(S,A.E,T) = XPROP(S,A,T)

EMPLOY(S,A,E,T) = (1-URATE(S,A,E,T))*LF(S,A,E,T)

URATE(S,A,E,T) = f (UFIX(T))

LINPUT(T) = SUM(S,A) (LWT1(A,T) * LEXR(S,A,T)**ETA * SUM(E)

    (LWT2(S,A,E,T) * LADJ1(S,A,E,T) * EMPLOY(S,A,E,T))

LWT1(A,T) = (SUM(AA=AL,AH) (1+PL(T-TBASE-AA+15)) ** (T-TBASE-

       AA+15))/(AH-AL+1)

LEX(S,A,T) = LEX(S,A,T-1)*(4/5) + (PRATE(S,A-1,T-1)/

       PRMAX)*(1/5)   (A = A3,...A12)

LEX(S,A,T) = 1.0   (A = A1,A2)

LEXR(S,A,T) = LEX(S,A,T)/LEX(S,A,TBASE)

LWT2(2,A,E,T) = (LWT2(2,A,E,TBASE) + DIFF(T) *

       (LWT2(1,A,E,TBASE) - LWT2(2,A,E,TBASE)))

LADJ1(S,A,E,T) = PPART(S,A,E,T) * HRSPW(S,A,E,T) * WKSPY(S,A,E,T) + (1-

    PPART(S,A,E,T)) * HRSFW(S,A,E,T) * WKSFY(S,A,E,T)

PPART(S,A,E,T) = f (PPART(S,A,T))

HRSPW(S,A,E,T) = f (HRSPW(S,A,T))

HRSFW(S,A,E,T) = f (HRSFW(S,A,T))

5. INCOME ASSOCIATED WITH LABOUR

    WAGE(S,A,E,T) = (RWM(S,A,E) * MPRODE(S,A,E,T) / PRTS) *

WCFACT(T)

WCFACT(T) = SHAREA(T) / SHAREB(T)

SHAREA(T) = GDP(T) - RG(T) * KTOT(T)

SHAREB(T) = SUM(S,A,E) ((EMPLOY(S,A,T)*ECOMP(S,A,E,T))

    * WAGE(S,A,E,T))

RWM(S,A,E) = RWM1(S) * RWM2(A) * RWM3(E)

NETWAGE(S,A,E,T) = (1-TRATE(T)) * WAGE(S,A,E,T)

NETYL(A,T) = SUM(S,E) (EMPLOY(S,A,E,T) * NETWAGE(S,A,E,T))

6. OWNERSHIP OF CAPITAL AND INCOME FROM CAPITAL

KWEALTH(T) = KTOT(T) + KDUR(T)

KW(A,T) = PKW(A,T) * KWEALTH(T)

PKW(A,T) = PKWLC(A,T) * POP(A,T) / SUM(A) (PKWLC(A,T) *

    POP(A,T))

RG(T) = MPKTOT(T) / PRTS

RN(T) = RG(T) - DELTA(T)

NETYK(A,T) = KW(A,T) * RN(T) * (1-TRATE(T))

7. TOTAL INCOME

NETY(A,T) = NETYL(A,T) + NETYK(A,T)

GROSSDY(A,T) = NETY(A,T) + DELTA(T) * KW(A,T)

8. CONSUMER DURABLES: STOCK AND THE FLOW OF SERVICES

KDUR(T) = (1-DD) * KDUR(T-1) + IDUR(T-1)

KD(A,T) = ((1-DD)**A) * IDUR(T-A-1)   (A = 0,1,2,...)

IDUR(T) = PDUR(T) * ISAVING(T)

CDUR(T) = DD * KDUR(T)

9. AGGREGATE CONSUMPTION AND CONSUMER EXPENDITURE

Standard Specification --

CONSUM(T) = PCON1(T) * (GDP(T) - GOVC(T))

   Alternative Specification --
   CONSUM(T) = PCON2(T) * NETY(T)
  Consumer Expenditure --
   CONEX(T) = CONSUM(T) + IDUR(T) - CDUR(T)

10. AGGREGATE SAVING
   SAVING(T) = GDP(T) - CONSUM(T) - GOVC(T) - TRADEBAL(T) -
          STATD(T) + CDUR(T)
   ISAVING(T) = SAVING(T) - INVENT(T) - PGB(T) * GOVC(T)

11. GOVERNMENT EXPENDITURE
   GOVC(T) = PGOVC(T) * GDP(T)

12. AGGREGATE TAX RATE, NET OF TRANSFERS
   TRATE(T) = (1-PGB(T)) * (GOVC(T)/GDP(T))

13. AGGREGATE INVENTORY CHANGE
   INVENT(T) = PINVY(T) * GDP(T)

14. AGGREGATE TRADE BALANCE
   TRADEBAL(T) = PTRD(T) * GDP(T)

15. STATISTICAL DISCREPANCY
   STATD(T) = PSTATD(T) * GDP(T)

17. HUMAN CAPITAL
   RDISC(T) = PDISC * RN(T)   or   RDISC(T) = RDISCF
   ADISC(T) = 1/(1+RDISC(T))

DISC(AJ,A,T) = F(ADISC(T))

HCAP(S,A,T) = EMPLOY(S,A,T) * MPROD(S,A,T) * YRS(A)/2

   + SUM(AJ=A+1,AMAX)(DISC(AJ,A,T)

    * (LX(S,AJ,T)/LX(S,A,T))

    * (EMPLOY(S,AJ,T)/POP(S,AJ,T))

    * (MPROD(S,AJ,T) * YRS(AJ)))

    * POP(S,A,T)

HCAPTOT(T) = SUM(S,A)(HCAP(S,A,T))

LIST OF DEFINITIONS

A	subscript denoting age of population or labour force cohort (A = A1,...,A12) or of vintage of capital stock (A = 0,1,...)
AA	subscript denoting age of labour force or population cohort, used to indicate single years of age
ADISC	annual discount factor for calculation of human capital
AH	subscript denoting highest single year of age
AJ	subscript denoting age group
AL	subscript denoting lowest single year of age
ALPHA*	adjustment factor for rate of change of educational composition
AMAX	maximum age group in calculation of human capital
CDUR	services provided by consumer durable goods
CONEX	consumer expenditures, measured on a national accounts basis
CONSUM	consumption; the flow of services provided by consumer goods, including the service of consumer durables
DD*	annual rate of depreciation associated with consumer durables

DELTA	annual rate of depreciation on the fixed capital stock, excluding consumer durables
DEP	depreciation of the fixed capital stock, excluding consumer durables
DIFF*	parameter relating to the difference between male and female marginal productivity
DISC(AJ,A,T)	factor calculated from ADISC for discounting between midpoint of age group A and midpoint of age group AJ (for AJ greater than or equal to A)
DM*	annual rate of depreciation associated with machinery and equipment
DNR*	annual rate of depreciation associated with non-residential construction
DR*	annual rate of depreciation associated with residential construction
E	subscript indicating education (highest level of schooling) (E = E1,...,E7)
ECOMP	educational composition of the population
ECOMP1	educational composition of the population in the absence of immigration
EMPLOY+	employment
ETA*	elasticity parameter relating to labour experience
ETOT+	total employment
F	general symbol used to denote a function
GDP	gross domestic product
GOV	total government expenditures
GOVC	government current expenditure on goods and services
GROSSDY	gross disposable income
HCAP	human capital of population of given sex and age
HCAPTOT	total human capital

HOUSE+	number of households
HRSFW*	average weekly hours of full-time workers
HRSPW*	average weekly hours of part-time workers
IDUR	annual gross investment expenditure on consumer durables
IM	immigration
IMACH	annual gross investment expenditure on machinery and equipment
IMECOMP	educational composition of immigration
IMED	immigration by educational group
IMREL	fraction of immigration in educational group relative to corresponding fraction in rest of population
IMWT	relative weight associated with educational group in determining educational distribution of immigration
INRES	annual gross investment expenditure on non-residential construction
INVENT	annual gross investment expenditure on inventory change
IRES	annual gross residential construction expenditure
ISAVING	annual gross saving for investment, including consumer durables
ITOT	annual gross investment expenditure, excluding consumer durables
KD	stock of consumer durables, by vintage
KDUR	aggregate stock of consumer durables
KM	stock of machinery and equipment, by vintage
KMACH	aggregate stock of machinery and equipment
KNR	stock of non-residential construction, by vintage
KNRES	aggregate stock of non-residential construction

KR	stock of residential construction, by vintage
KRES	aggregate stock of residential construction
KT	capital stock, excluding consumer durables, by vintage
KTOT	aggregate capital stock, excluding consumer durables
KW	capital stock by age of owner
KWEALTH	physical wealth (total fixed capital stock, including consumer durables)
LADJ1	employment adjustment factor, to make allowance for part-weeks and part-hours of work
LEX	labour force experience variable
LEXR	labour force experience relative to base period
LFTOT+	total labour force
LINPUT	effective labour input in aggregate production process
LF	labour force in age-sex-education group
LFPR	labour force participation rate for age-sex-education group
LWT1	productivity factor associated with cohort
LWT2	age-productivity profile, specified for each education level and each sex
LX	proportion of population surviving to given age (based on current mortality rates)
MPETOT	marginal product of labour (in the aggregate)
MPKTOT	marginal product of capital (in the aggregate)
MPROD	marginal product of labour for age-sex-specific group
MPRODE	marginal product of labour for age-sex-education-specific group
NETWAGE	net wages, after allowance for taxes

NETY	net income, after allowance for taxes and depreciation
NETYK	net income from capital, after allowance for taxes and depreciation
NETYL	net income from labour, after allowance for taxes
PCD0	measure incorporating neutral technological progress, associated with Cobb-Douglas production function
PCD1*	parameter associated with Cobb-Douglas production function
PCD2*	parameter associated with Cobb-Douglas production function
PCES0	measure incorporating neutral technological progress, associated with CES production function
PCES1*	parameter associated with CES production function
PCES2*	parameter associated with CES production function
PCES3*	parameter associated with CES production function
PCES4*	parameter associated with CES production function
PCON1*	parameter in consumption function
PCON2*	parameter in consumption function
PDISC*	parameter representing proportionate adjustment of RN for calculation of human capital
PDUR*	parameter in consumer durable goods investment equation
PGB*	parameter indicating the proportion of government expenditure not financed by taxes
PGL0	measure incorporating neutral technological progress, associated with generalized Leontief production function
PGL1*	parameter associated with generalized Leontief production function
PGL2*	parameter associated with generalized Leontief production function
PGL3*	parameter associated with generalized Leontief production function

PGL4*	parameter associated with generalized Leontief production function
PGOVC*	parameter in government expenditure equation
PINVY*	parameter in inventory change equation
PKW	proportion of aggregate fixed wealth that is held by a particular group, based on life-cycle optimization model
PKWLC*	life-cycle value of parameter that allocates total fixed wealth to an age group
PL*	rate of labour-embodied technological change
PMACH*	parameter in machinery and equipment investment equation
PN*	rate of neutral technological change
PNRES*	parameter in non-residential construction investment equation
POP+	population
POPED	population by educational group
POPTOT+	total population
PPART*	proportion of employed labour force that works part-time
PRATE+	labour force participation rate
PRES*	parameter in residential construction investment equation
PRMAX	maximum labour force participation rate
PRTS	parameter indicating returns to scale
PSTATD*	parameter in statistical discrepancy equation
PTL0	measure incorporating neutral technological progress, associated with translog production function
PTL1*	parameter associated with translog production function
PTL2*	parameter associated with translog production function

PTL3*	parameter associated with translog production function
PTL4*	parameter associated with translog production function
PTRD*	parameter in trade balance equation
RDISC	annual rate of discount for calculation of human capital
RDISCF*	fixed value assigned to RDISC (at the option of a user of the model)
RG	gross rate of return on the aggregate capital stock, excluding consumer durables
RN	net (i.e., after depreciation) rate of return on the capital stock, excluding consumer durables
RWM	ratio of wage to marginal product
RWM1*	ratio of wage to marginal product, component associated with age
RWM2*	ratio of wage to marginal product, component associated with gender
RWM3*	ratio of wage to marginal product, component associated with education
S	subscript indicating sex (S=1 for male, S=2 for female)
SAVING	aggregate saving
SHAREA	labour income, calculated as that portion of GDP not accruing to capital
SHAREB	labour income, calculated as the summation of income accruing to each age-sex-education group
STATD	statistical discrepancy in the national accounts
SUM	operator indicating summation (e.g., SUM(E) indicates summation over E, SUM(S,A) indicates summation over A and S)
T	subscript indicating time
TBASE	base year (1991)
TRADEBAL	aggregate trade balance (exports less imports)

TRATE	aggregate tax rate net of transfers
URATE+	unemployment rate
UFIX*	age-sex standardized unemployment rate (specified in MEDS-D)
WAGE	annual wage rate
WCFACT	adjustment factor, used to ensure that labour income, as allocated, is equal to total labour income available
WKSFY*	average weeks worked per year by part-time workers
WKSPY*	average weeks worked per year by full-time workers
XPROP	proportion of population excluded in calculating labour force source population
YRS	number of years in a given age group (e.g., 5 for 15-19 age group, 10 for 25-34 age group)

*Indicates parameters chosen by the user.
+Indicates values provided by MEDS-D.

APPENDIX B: PROJECTION BASED ON STANDARD ASSUMPTIONS

```
PMEDS-D TABLE 1: PROJECTION SUMMARY PART 1   CANADA
                 ID: Standard Projection            DATE:  5JUL2005
-----------------------------------------------------------------------------
         POPULATION          LABOUR FORCE        TOTAL  HOUSE    % OF TPOP
   YEAR -------------------- -------------------- HOUSE  -HOLD   ------------
        TOTAL CHANGE GROWTH  TOTAL CHANGE GROWTH  -HOLDS  SIZE    <15    65+
        ('000) ('000)  (%)   ('000) ('000)  (%)   ('000)
-----------------------------------------------------------------------------

   2001 31021.  1411.  4.76  16168.  1283.  8.62  11960.  2.59   18.9   12.6
   2006 32485.  1464.  4.72  17755.  1587.  9.81  12884.  2.52   17.3   13.2
   2011 33850.  1365.  4.20  18635.   881.  4.96  13791.  2.45   15.9   14.4
   2016 35157.  1308.  3.86  19124.   489.  2.62  14680.  2.39   15.4   16.6
   2021 36361.  1203.  3.42  19150.    26.   .14  15517.  2.34   15.2   19.0
   2026 37386.  1025.  2.82  19064.   -85.  -.45  16194.  2.31   14.9   21.7
   2031 38155.   769.  2.06  19019.   -45.  -.24  16713.  2.28   14.4   24.0
   2036 38657.   502.  1.32  19049.    30.   .16  17069.  2.26   13.9   25.1
   2041 38932.   274.   .71  19052.     3.   .02  17291.  2.25   13.5   25.7
   2046 39033.   102.   .26  18950.  -102.  -.54  17414.  2.24   13.4   26.3
   2051 39022.   -12.  -.03  18759.  -191. -1.01  17461.  2.23   13.5   26.9

-----------------------------------------------------------------------------
Note:  TPOP is total population.
Note:  The growth rates show total growth over the preceding 5 years.


PMEDS-D TABLE 2: PROJECTION SUMMARY PART 2   CANADA
                 ID: Standard Projection            DATE:  5JUL2005
-----------------------------------------------------------------------------
          IMMI-  EMI-  CHANGE   NET   BIRTHS DEATHS  NAT-   RATIO OF TPOP
          GRA-   GRA-    IN     IN-                  URAL       TO--
          TION   TION   NPR    FLOW                  INC-   -------------
   YEAR                                              REASE  P20-64   LF
-----------------------------------------------------------------------------

   2001   253.0  55.2   36.0   233.8  332.6  225.1  107.5   1.62   1.92
   2006   230.0  48.4    .0    181.6  330.2  234.6   95.6   1.59   1.83
   2011   230.0  50.8    .0    179.2  342.0  251.3   90.7   1.58   1.82
   2016   230.0  53.2    .0    176.8  349.4  271.3   78.1   1.60   1.84
   2021   230.0  55.5    .0    174.5  350.2  295.3   54.9   1.65   1.90
   2026   230.0  57.5    .0    172.5  340.8  326.9   13.9   1.72   1.96
   2031   230.0  59.2    .0    170.8  328.5  367.4  -38.9   1.77   2.01
   2036   230.0  60.5    .0    169.5  324.0  412.9  -88.9   1.79   2.03
   2041   230.0  61.4    .0    168.6  326.5  455.8 -129.3   1.80   2.04
   2046   230.0  62.0    .0    168.0  329.2  487.7 -158.5   1.81   2.06
   2051   230.0  62.4    .0    167.6  328.4  504.6 -176.2   1.83   2.08

-----------------------------------------------------------------------------
Note:  NPR is non-permanent residents; TPOP is total population;
       P20-64 is population aged 20 to 64; LF is total labour force.
       All numbers of persons are in thousands.
```

```
PMEDS-D TABLE 3: PROJECTION SUMMARY PART 3   CANADA
               ID: Standard Projection                    DATE:  5JUL2005
---------------------------------------------------------------------------
          TOTAL  CRUDE  CRUDE   NAT-     LIFE EXPECTANCY AT --      LF    LF
          FERT-  BIRTH  DEATH   URAL   -------------------------  PART   %
  YEAR    ILITY  RATE   RATE    INC-      AGE 0         AGE 65    RATE  FEMALE
          RATE                  REASE   M      F      M      F
---------------------------------------------------------------------------

  2001    1.53   10.8    7.3    3.5    76.9   81.9   16.7   20.4   66.0   46.0
  2006    1.50   10.2    7.3    3.0    78.4   82.6   17.5   20.8   67.8   46.7
  2011    1.50   10.1    7.5    2.7    79.5   83.2   18.1   21.2   67.3   46.9
  2016    1.50   10.0    7.7    2.2    80.4   83.8   18.5   21.5   66.1   46.9
  2021    1.50    9.7    8.1    1.5    81.0   84.2   18.9   21.8   64.0   46.7
  2026    1.50    9.1    8.8     .4    81.5   84.6   19.1   22.1   61.8   46.6
  2031    1.50    8.6    9.6   -1.0    81.8   85.0   19.4   22.4   60.2   46.7
  2036    1.50    8.4   10.7   -2.3    82.1   85.3   19.5   22.6   59.2   46.7
  2041    1.50    8.4   11.7   -3.3    82.4   85.6   19.7   22.8   58.6   46.6
  2046    1.50    8.4   12.5   -4.1    82.6   85.9   19.9   23.0   58.1   46.6
  2051    1.50    8.4   12.9   -4.5    82.8   86.1   20.0   23.2   57.6   46.6

---------------------------------------------------------------------------
Note:  LF is total labour force.


PMEDS-D TABLE 4: PROJECTION SUMMARY PART 4   CANADA
               ID: Standard Projection                    DATE:  5JUL2005
---------------------------------------------------------------------------
            MEDIAN AGE OF POPULATION          MEDIAN AGE OF LF         U
  YEAR    ---------------------------------   -------------------    RATE
          TOTAL   MALE  FEMALE   AGE    AGE   TOTAL   MALE  FEMALE    (%)
                                20-64   65+
---------------------------------------------------------------------------

  2001    37.2    36.3   38.0   40.9   73.9   39.1   39.3   38.8    7.2
  2006    38.9    37.9   39.8   42.3   74.4   40.5   40.7   40.2    7.2
  2011    40.3    39.4   41.2   43.0   73.9   41.0   41.3   40.7    7.2
  2016    41.4    40.6   42.3   43.1   73.2   41.2   41.5   40.9    7.2
  2021    42.6    41.8   43.4   43.1   73.3   41.4   41.8   41.0    7.2
  2026    43.8    43.1   44.6   43.3   73.6   41.7   42.1   41.2    7.2
  2031    45.0    44.2   45.7   43.4   74.3   41.9   42.3   41.4    7.2
  2036    46.0    45.2   46.7   43.8   75.4   42.3   42.7   41.8    7.2
  2041    46.8    45.9   47.7   44.1   76.3   42.5   42.9   42.0    7.2
  2046    47.2    46.2   48.2   44.0   76.4   42.3   42.8   41.8    7.2
  2051    47.2    46.2   48.3   43.7   76.1   42.1   42.6   41.6    7.2

---------------------------------------------------------------------------
Note:  LF is total labour force; U RATE is total unemployment rate.
```

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```
MEDS-E TABLE 1:   MAJOR DEMOGRAPHIC AND ECONOMIC AGGREGATES
                  ID:   Standard Projection                    DATE:  6JUL2005
-------------------------------------------------------------------------------
                                      Gross            Fixed   Gov't   Fixed
            Popula-   Labour   Employ Domestic Consump Invest Current Capital
            tion      Force    -ment  Product  -tion   -ment  Expend. Stock
    YEAR    POPTOT    LFTOT    ETOT   GDP      CONSUM  ITOT   GOVC    KTOT
-------------------------------------------------------------------------------
                                  - levels -

    2001    31021.    16168.   15004. 1036.0   550.2   206.3  193.9   2744.3
    2006    32485.    17755.   16476. 1209.7   655.6   275.2  232.2   3284.5
    2011    33850.    18635.   17294. 1404.0   760.9   324.9  269.5   4002.2
    2016    35157.    19124.   17747. 1590.2   861.8   373.3  305.2   4792.4
    2021    36361.    19150.   17771. 1754.1   950.6   417.4  336.7   5633.9
    2026    37386.    19064.   17692. 1905.0   1032.4  458.4  365.6   6502.1
    2031    38155.    19019.   17650. 2040.1   1105.6  495.8  391.6   7381.1
    2036    38657.    19049.   17677. 2175.3   1178.9  532.5  417.5   8262.2
    2041    38932.    19052.   17680. 2304.8   1249.1  567.6  442.4   9142.8
    2046    39034.    18950.   17586. 2425.3   1314.4  600.5  465.5  10017.0
    2051    39022.    18759.   17408. 2537.4   1375.1  631.3  487.0  10877.7


-------------------------------------------------------------------------------
Note:  Numbers of persons are in thousands; income/expenditure figures
       are in billions of 1997 dollars.


MEDS-E TABLE 2:   MAJOR DEMOGRAPHIC AND ECONOMIC AGGREGATES
                  ID:   Standard Projection                    DATE:  6JUL2005
-------------------------------------------------------------------------------
                                      Gross            Fixed   Gov't   Fixed
            Popula-   Labour   Employ Domestic Consump Invest Current Capital
            tion      Force    -ment  Product  -tion   -ment  Expend. Stock
    YEAR    POPTOT    LFTOT    ETOT   GDP      CONSUM  ITOT   GOVC    KTOT
-------------------------------------------------------------------------------
                            - percentage growth rates -

    2006      4.7       9.8      9.8   16.8     19.2    33.4   19.8    19.7
    2011      4.2       5.0      5.0   16.1     16.1    18.1   16.1    21.8
    2016      3.9       2.6      2.6   13.3     13.3    14.9   13.3    19.7
    2021      3.4        .1       .1   10.3     10.3    11.8   10.3    17.6
    2026      2.8      -.4      -.4    8.6      8.6      9.8    8.6    15.4
    2031      2.1      -.2      -.2    7.1      7.1      8.2    7.1    13.5
    2036      1.3       .2       .2    6.6      6.6      7.4    6.6    11.9
    2041       .7       .0       .0    6.0      6.0      6.6    6.0    10.7
    2046       .3      -.5      -.5    5.2      5.2      5.8    5.2     9.6
    2051       .0     -1.0     -1.0    4.6      4.6      5.1    4.6     8.6


-------------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.
```

```
MEDS-E TABLE 3:   RATIOS OF AGGREGATE VARIABLES
                  ID:   Standard Projection                DATE:  6JUL2005
-----------------------------------------------------------------------------
        GDP/POPTOT            Percent of GDP--           URATE    KTOT
        ---------------   -------------------------------  (%)    ----
Year
        index % growth  CONSUM    ITOT    GOVC  TRADEBAL             GDP
-----------------------------------------------------------------------------

2001    100.0      .      53.1    19.9    18.7     5.8      7.2     2.6
2006    111.5    11.5     54.2    22.7    19.2      .0      7.2     2.7
2011    124.2    11.4     54.2    23.1    19.2      .0      7.2     2.9
2016    135.4     9.1     54.2    23.5    19.2      .0      7.2     3.0
2021    144.5     6.7     54.2    23.8    19.2      .0      7.2     3.2
2026    152.6     5.6     54.2    24.1    19.2      .0      7.2     3.4
2031    160.1     4.9     54.2    24.3    19.2      .0      7.2     3.6
2036    168.5     5.2     54.2    24.5    19.2      .0      7.2     3.8
2041    177.3     5.2     54.2    24.6    19.2      .0      7.2     4.0
2046    186.1     5.0     54.2    24.8    19.2      .0      7.2     4.1
2051    194.7     4.7     54.2    24.9    19.2      .0      7.2     4.3

-----------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.


MEDS-E TABLE 4:   PRODUCTIVITY MEASURES
                  ID:   Standard Projection                DATE:  6JUL2005
-----------------------------------------------------------------------------
        GDP/ETOT            GDP/KTOT            KTOT/ETOT
        ---------------   ---------------   ---------------
Year
        index  % growth    index  % growth    index  % growth
-----------------------------------------------------------------------------

2001    100.0      .       100.0      .       100.0      .
2006    106.3     6.3       97.6    -2.4      109.0     9.0
2011    117.6    10.6       92.9    -4.8      126.5    16.1
2016    129.8    10.4       87.9    -5.4      147.6    16.7
2021    143.0    10.2       82.5    -6.2      173.3    17.4
2026    156.0     9.1       77.6    -5.9      200.9    15.9
2031    167.4     7.3       73.2    -5.7      228.6    13.8
2036    178.2     6.5       69.7    -4.7      255.5    11.8
2041    188.8     5.9       66.8    -4.3      282.7    10.6
2046    199.7     5.8       64.1    -4.0      311.4    10.2
2051    211.1     5.7       61.8    -3.7      341.6     9.7

-----------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.
```

```
MEDS-E TABLE 10:   PROJECTED EDUCATION OF POPULATION              BOTH SEXES
                   ID:   Standard Projection               DATE:  6JUL2005
-----------------------------------------------------------------------------
                      15+                                 20-24
  YEAR   ---------------------------------   ---------------------------------
         E1    E2    E3    E4    E5    E6    E7   E1    E2    E3    E4    E5    E6    E7
-----------------------------------------------------------------------------
           - percentage distribution -           - percentage distribution -

  2001   9.9 17.5 19.4  9.1 28.2 10.8   5.1  1.9 11.1 23.7 25.4 28.8   8.1   1.1
  2006   7.6 16.2 18.9  9.5 29.3 12.2   6.2  1.6 11.5 22.1 27.6 28.0   8.1   1.1
  2011   5.9 14.8 18.2 10.0 30.4 13.7   7.1  1.5 11.5 21.0 29.1 27.6   8.1   1.2
  2016   4.4 13.1 17.7 10.4 31.3 15.1   7.9  1.6 11.4 19.9 30.5 27.2   8.1   1.3
  2021   3.4 11.8 17.0 10.8 32.1 16.4   8.5  1.7 11.4 18.8 31.9 26.7   8.1   1.4
  2026   2.6 11.1 16.4 11.4 32.6 17.1   8.8  1.8 11.3 17.7 33.4 26.2   8.1   1.5
  2031   2.3 10.5 15.5 12.0 33.0 17.7   9.1  1.9 11.2 16.7 34.8 25.8   8.1   1.6
  2036   2.0  9.6 14.4 12.8 33.3 18.6   9.4  1.9 11.1 15.7 36.2 25.3   8.1   1.7
  2041   1.7  8.7 12.9 13.6 33.4 19.8   9.9  2.0 11.0 14.7 37.6 24.8   8.1   1.8
  2046   1.6  7.6 11.5 14.3 34.1 20.6  10.3  2.1 10.6 13.8 39.1 24.5   8.1   1.9
  2051   1.5  6.9 10.9 15.4 33.8 20.8  10.6  2.2 10.3 12.9 40.5 24.1   8.1   2.0


-----------------------------------------------------------------------------
Note:  E1 refers to grade 8 or lower, E2 to some secondary, E3 to secondary
       school graduation, E4 to some post-secondary, E5 to post-secondary
       certificate or diploma, E6 to completed bachelor's degree, and E7
       to university degree or certificate above bachelor's.
```

APPENDIX C: PROJECTIONS BASED ON ALTERNATIVE ASSUMPTIONS

```
PMEDS-D TABLE 1: PROJECTION SUMMARY PART 1   CANADA
                 ID: Higher Fertility                    DATE:  6JUL2005
-------------------------------------------------------------------------------
        POPULATION              LABOUR FORCE        TOTAL  HOUSE    % OF TPOP
YEAR ---------------------   --------------------   HOUSE  -HOLD   ------------
     TOTAL CHANGE GROWTH     TOTAL CHANGE GROWTH    -HOLDS  SIZE   <15     65+
     ('000) ('000)  (%)      ('000) ('000)  (%)     ('000)
-------------------------------------------------------------------------------

 2001  31021.  1411.  4.76   16168.  1283.  8.62   11960.  2.59   18.9   12.6
 2006  32591.  1569.  5.06   17755.  1587.  9.81   12889.  2.53   17.5   13.2
 2011  34393.  1802.  5.53   18634.   879.  4.95   13815.  2.49   17.3   14.2
 2016  36378.  1986.  5.77   19118.   484.  2.60   14731.  2.47   18.3   16.0
 2021  38270.  1891.  5.20   19193.    75.   .39   15593.  2.45   19.2   18.0
 2026  39975.  1705.  4.46   19356.   163.   .85   16293.  2.45   19.1   20.2
 2031  41451.  1476.  3.69   19775.   419.  2.17   16879.  2.46   18.4   22.1
 2036  42786.  1335.  3.22   20361.   585.  2.96   17441.  2.45   17.9   22.7
 2041  44098.  1312.  3.07   20940.   579.  2.84   17986.  2.45   18.0   22.7
 2046  45398.  1301.  2.95   21426.   487.  2.32   18470.  2.46   18.5   22.6
 2051  46655.  1257.  2.77   21900.   474.  2.21   18900.  2.47   19.1   22.5

-------------------------------------------------------------------------------
Note:  TPOP is total population.
Note:  The growth rates show total growth over the preceding 5 years.


PMEDS-D TABLE 2: PROJECTION SUMMARY PART 2   CANADA
                 ID: Higher Fertility                    DATE:  6JUL2005
-------------------------------------------------------------------------------
        IMMI-  EMI-   CHANGE   NET    BIRTHS  DEATHS  NAT-   RATIO OF TPOP
        GRA-   GRA-     IN     IN-                    URAL       TO--
        TION   TION    NPR     FLOW                   INC-   -------------
YEAR                                                  REASE  P20-64    LF
-------------------------------------------------------------------------------

 2001   253.0   55.2   36.0   233.8   332.6   225.1   107.5   1.62   1.92
 2006   230.0   48.5     .0   181.5   376.8   234.7   142.1   1.60   1.84
 2011   230.0   51.5     .0   178.5   458.2   251.6   206.5   1.61   1.85
 2016   230.0   54.8     .0   175.2   489.0   271.6   217.4   1.66   1.90
 2021   230.0   58.2     .0   171.8   490.2   295.6   194.6   1.74   1.99
 2026   230.0   61.3     .0   168.7   480.9   327.2   153.7   1.83   2.07
 2031   230.0   64.1     .0   165.9   481.4   367.8   113.6   1.88   2.10
 2036   230.0   66.7     .0   163.3   512.8   413.5    99.3   1.88   2.10
 2041   230.0   69.2     .0   160.8   558.3   456.6   101.8   1.88   2.11
 2046   230.0   71.7     .0   158.3   587.9   488.6    99.2   1.89   2.12
 2051   230.0   74.3     .0   155.7   597.3   505.7    91.7   1.90   2.13

-------------------------------------------------------------------------------
Note:  NPR is non-permanent residents; TPOP is total population;
       P20-64 is population aged 20 to 64; LF is total labour force.
       All numbers of persons are in thousands.
```

```
PMEDS-D TABLE 3: PROJECTION SUMMARY PART 3   CANADA
                ID: Higher Fertility                    DATE:  6JUL2005
-----------------------------------------------------------------------
        TOTAL  CRUDE  CRUDE   NAT-    LIFE EXPECTANCY AT --      LF    LF
        FERT-  BIRTH  DEATH   URAL   -------------------------  PART   %
YEAR    ILITY  RATE   RATE    INC-      AGE 0        AGE 65     RATE FEMALE
        RATE                  REASE    M      F      M      F
-----------------------------------------------------------------------

2001    1.53   10.8    7.3    3.5    76.9   81.9   16.7   20.4   66.0   46.0
2006    1.74   11.6    7.2    4.4    78.4   82.6   17.5   20.8   67.8   46.7
2011    2.04   13.4    7.4    6.0    79.5   83.2   18.1   21.2   67.3   46.9
2016    2.10   13.5    7.5    6.0    80.4   83.8   18.5   21.5   66.1   46.9
2021    2.10   12.9    7.8    5.1    81.0   84.2   18.9   21.8   63.9   46.7
2026    2.10   12.1    8.2    3.9    81.5   84.6   19.1   22.1   61.8   46.7
2031    2.10   11.7    8.9    2.8    81.8   85.0   19.4   22.4   60.4   46.7
2036    2.10   12.0    9.7    2.3    82.1   85.3   19.5   22.6   59.9   46.7
2041    2.10   12.7   10.4    2.3    82.4   85.6   19.7   22.8   59.9   46.7
2046    2.10   13.0   10.8    2.2    82.6   85.9   19.9   23.0   60.0   46.7
2051    2.10   12.8   10.9    2.0    82.8   86.1   20.0   23.2   60.0   46.7


-----------------------------------------------------------------------
Note:  LF is total labour force.


PMEDS-D TABLE 4: PROJECTION SUMMARY PART 4   CANADA
                ID: Higher Fertility                    DATE:  6JUL2005
-----------------------------------------------------------------------
          MEDIAN AGE OF POPULATION        MEDIAN AGE OF LF        U
YEAR    ---------------------------------  -------------------   RATE
        TOTAL   MALE   FEMALE   AGE    AGE  TOTAL   MALE  FEMALE  (%)
                                20-64  65+
-----------------------------------------------------------------------

2001     37.2   36.3    38.0   40.9   73.9   39.1   39.3   38.8   7.2
2006     38.8   37.8    39.7   42.3   74.4   40.5   40.7   40.2   7.2
2011     39.7   38.8    40.6   43.0   73.9   41.0   41.3   40.7   7.2
2016     40.1   39.3    41.0   43.1   73.2   41.2   41.5   40.9   7.2
2021     40.7   39.9    41.5   43.1   73.3   41.3   41.7   40.9   7.2
2026     41.3   40.5    42.1   43.2   73.6   41.3   41.8   40.8   7.2
2031     41.8   40.9    42.6   42.8   74.3   41.1   41.5   40.6   7.2
2036     42.0   41.1    42.9   42.6   75.4   40.8   41.3   40.3   7.2
2041     41.5   40.4    42.6   42.2   76.3   40.2   40.6   39.6   7.2
2046     40.5   39.4    41.6   41.3   76.4   39.5   39.9   39.0   7.2
2051     40.1   39.2    41.1   41.1   76.1   39.5   39.8   39.1   7.2


-----------------------------------------------------------------------
Note:  LF is total labour force; U RATE is total unemployment rate.
```

```
MEDS-E TABLE 1:   MAJOR DEMOGRAPHIC AND ECONOMIC AGGREGATES
                  ID:  Higher Fertility                      DATE:  6JUL2005
----------------------------------------------------------------------------
                                        Gross           Fixed   Gov't   Fixed
           Popula-  Labour   Employ  Domestic Consump  Invest  Current Capital
            tion     Force   -ment    Product  -tion   -ment   Expend.  Stock
   YEAR    POPTOT    LFTOT    ETOT      GDP    CONSUM    ITOT     GOVC    KTOT
----------------------------------------------------------------------------
                                    - levels -

   2001    31021.   16168.   15004.   1036.0   550.2    206.3   193.9  2744.3
   2006    32591.   17755.   16476.   1209.7   655.6    275.2   232.2  3284.5
   2011    34393.   18634.   17292.   1403.9   760.8    324.9   269.4  4002.2
   2016    36378.   19118.   17742.   1589.9   861.6    373.2   305.1  4792.2
   2021    38270.   19193.   17811.   1754.0   950.6    417.3   336.6  5633.3
   2026    39975.   19356.   17962.   1909.6  1034.9    459.3   366.5  6502.7
   2031    41451.   19775.   18351.   2060.3  1116.5    499.8   395.4  7390.3
   2036    42786.   20361.   18895.   2227.6  1207.2    543.1   427.5  8298.2
   2041    44098.   20940.   19432.   2408.2  1305.1    589.0   462.2  9237.6
   2046    45399.   21426.   19884.   2596.8  1407.3    636.8   498.4 10214.5
   2051    46655.   21900.   20324.   2792.5  1513.4    686.3   536.0 11230.3


----------------------------------------------------------------------------
Note:   Numbers of persons are in thousands; income/expenditure figures
        are in billions of 1997 dollars.


MEDS-E TABLE 2:   MAJOR DEMOGRAPHIC AND ECONOMIC AGGREGATES
                  ID:  Higher Fertility                      DATE:  6JUL2005
----------------------------------------------------------------------------
                                        Gross           Fixed   Gov't   Fixed
           Popula-  Labour   Employ  Domestic Consump  Invest  Current Capital
            tion     Force   -ment    Product  -tion   -ment   Expend.  Stock
   YEAR    POPTOT    LFTOT    ETOT      GDP    CONSUM    ITOT     GOVC    KTOT
----------------------------------------------------------------------------
                              - percentage growth rates -

   2006       5.1      9.8      9.8     16.8    19.2     33.4    19.8    19.7
   2011       5.5      5.0      5.0     16.0    16.0     18.1    16.0    21.8
   2016       5.8      2.6      2.6     13.2    13.2     14.9    13.2    19.7
   2021       5.2       .4       .4     10.3    10.3     11.8    10.3    17.6
   2026       4.5       .8       .8      8.9     8.9     10.1     8.9    15.4
   2031       3.7      2.2      2.2      7.9     7.9      8.8     7.9    13.7
   2036       3.2      3.0      3.0      8.1     8.1      8.7     8.1    12.3
   2041       3.1      2.8      2.8      8.1     8.1      8.5     8.1    11.3
   2046       3.0      2.3      2.3      7.8     7.8      8.1     7.8    10.6
   2051       2.8      2.2      2.2      7.5     7.5      7.8     7.5     9.9


----------------------------------------------------------------------------
Note:   The growth rates show total growth over the preceding 5 years.
```

```
MEDS-E TABLE 3:   RATIOS OF AGGREGATE VARIABLES
                  ID:  Higher Fertility                       DATE:  6JUL2005
------------------------------------------------------------------------------
         GDP/POPTOT         Percent of GDP--              URATE   KTOT
        ---------------  ------------------------------    (%)    ----
 Year                                                              ----
        index % growth   CONSUM    ITOT    GOVC  TRADEBAL           GDP
------------------------------------------------------------------------------

 2001   100.0      .      53.1    19.9    18.7     5.8      7.2     2.6
 2006   111.2    11.2     54.2    22.7    19.2      .0      7.2     2.7
 2011   122.2    10.0     54.2    23.1    19.2      .0      7.2     2.9
 2016   130.9     7.1     54.2    23.5    19.2      .0      7.2     3.0
 2021   137.2     4.9     54.2    23.8    19.2      .0      7.2     3.2
 2026   143.0     4.2     54.2    24.1    19.2      .0      7.2     3.4
 2031   148.8     4.0     54.2    24.3    19.2      .0      7.2     3.6
 2036   155.9     4.7     54.2    24.4    19.2      .0      7.2     3.7
 2041   163.5     4.9     54.2    24.5    19.2      .0      7.2     3.8
 2046   171.3     4.7     54.2    24.5    19.2      .0      7.2     3.9
 2051   179.2     4.6     54.2    24.6    19.2      .0      7.2     4.0


------------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.


MEDS-E TABLE 4:   PRODUCTIVITY MEASURES
                  ID:  Higher Fertility                       DATE:  6JUL2005
------------------------------------------------------------------------------
          GDP/ETOT            GDP/KTOT            KTOT/ETOT
        ---------------     ---------------     ---------------
 Year
        index   % growth    index   % growth    index   % growth
------------------------------------------------------------------------------

 2001   100.0       .       100.0       .       100.0       .
 2006   106.3      6.3       97.6     -2.4       109.0      9.0
 2011   117.6     10.6       92.9     -4.8       126.5     16.1
 2016   129.8     10.4       87.9     -5.4       147.7     16.7
 2021   142.6      9.9       82.5     -6.1       172.9     17.1
 2026   154.0      8.0       77.8     -5.7       197.9     14.5
 2031   162.6      5.6       73.9     -5.1       220.2     11.2
 2036   170.7      5.0       71.1     -3.7       240.1      9.1
 2041   179.5      5.1       69.1     -2.9       259.9      8.2
 2046   189.1      5.4       67.3     -2.5       280.9      8.1
 2051   199.0      5.2       65.9     -2.2       302.1      7.6


------------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.
```

```
MEDS-E TABLE 10:   PROJECTED EDUCATION OF POPULATION              BOTH SEXES
                   ID:  Higher Fertility                    DATE:  6JUL2005
--------------------------------------------------------------------------------
                    15+                                20-24
       ---------------------------------    ---------------------------------
YEAR
       E1    E2    E3    E4    E5    E6    E7    E1    E2    E3    E4    E5    E6    E7
--------------------------------------------------------------------------------
           - percentage distribution -          - percentage distribution -

2001   9.9 17.5 19.4  9.1 28.2 10.8  5.1   1.9 11.1 23.7 25.4 28.8  8.1  1.1
2006   7.6 16.2 18.9  9.5 29.3 12.2  6.2   1.6 11.5 22.1 27.6 28.0  8.1  1.1
2011   5.9 14.8 18.2 10.0 30.4 13.7  7.1   1.5 11.5 21.0 29.1 27.6  8.1  1.2
2016   4.4 13.1 17.7 10.4 31.3 15.1  7.9   1.6 11.4 19.9 30.5 27.2  8.1  1.3
2021   3.4 12.0 17.0 10.8 32.1 16.3  8.5   1.7 11.4 18.8 31.9 26.7  8.1  1.4
2026   2.6 11.7 16.4 11.6 32.2 16.8  8.7   1.8 11.3 17.8 33.3 26.2  8.1  1.5
2031   2.3 11.5 15.4 12.5 32.3 17.2  8.8   1.8 11.2 16.7 34.7 25.8  8.1  1.6
2036   2.0 10.6 14.2 13.5 32.5 18.1  9.1   1.9 11.0 15.8 36.1 25.4  8.1  1.7
2041   1.7  9.6 12.7 14.4 32.6 19.3  9.7   2.0 10.9 14.8 37.4 25.1  8.1  1.8
2046   1.6  8.5 11.2 15.1 33.1 20.2 10.3   2.0 10.5 14.0 38.8 24.8  8.1  1.8
2051   1.5  7.9 10.6 16.2 32.8 20.4 10.6   2.1 10.1 13.1 40.2 24.6  8.1  1.9


--------------------------------------------------------------------------------
Note:  E1 refers to grade 8 or lower, E2 to some secondary, E3 to secondary
       school graduation, E4 to some post-secondary, E5 to post-secondary
       certificate or diploma, E6 to completed bachelor's degree, and E7
       to university degree or certificate above bachelor's.
```

```
PMEDS-D TABLE 1: PROJECTION SUMMARY PART 1   CANADA
                ID: Lower Fertility                    DATE:  6JUL2005
------------------------------------------------------------------------------
        POPULATION          LABOUR FORCE      TOTAL  HOUSE    % OF TPOP
YEAR  --------------------  ------------------ HOUSE  -HOLD   ------------
      TOTAL CHANGE GROWTH   TOTAL CHANGE GROWTH -HOLDS SIZE    <15    65+
      ('000) ('000)  (%)    ('000) ('000)  (%)  ('000)
------------------------------------------------------------------------------

 2001 31021.  1411.  4.76  16168.  1283.  8.62  11960.  2.59  18.9  12.6
 2006 32432.  1411.  4.55  17755.  1587.  9.81  12882.  2.52  17.1  13.2
 2011 33577.  1145.  3.53  18636.   881.  4.96  13780.  2.44  15.3  14.5
 2016 34544.   967.  2.88  19127.   491.  2.63  14655.  2.36  13.9  16.9
 2021 35401.   857.  2.48  19128.     2.   .01  15478.  2.29  13.0  19.5
 2026 36085.   684.  1.93  18918.  -210. -1.10  16144.  2.24  12.5  22.4
 2031 36511.   426.  1.18  18639.  -279. -1.47  16631.  2.20  12.2  25.1
 2036 36639.   127.   .35  18389.  -250. -1.34  16884.  2.17  11.7  26.5
 2041 36480.  -159.  -.43  18103.  -286. -1.56  16948.  2.15  11.2  27.4
 2046 36100.  -380. -1.04  17710.  -393. -2.17  16894.  2.14  10.8  28.5
 2051 35589.  -511. -1.42  17210.  -501. -2.83  16754.  2.12  10.7  29.6

------------------------------------------------------------------------------
Note:  TPOP is total population.
Note:  The growth rates show total growth over the preceding 5 years.


PMEDS-D TABLE 2: PROJECTION SUMMARY PART 2   CANADA
                ID: Lower Fertility                    DATE:  6JUL2005
------------------------------------------------------------------------------
        IMMI-   EMI-   CHANGE   NET    BIRTHS  DEATHS  NAT-    RATIO OF TPOP
        GRA-    GRA-     IN    IN-                     URAL       TO--
        TION    TION    NPR    FLOW                    INC-   -------------
YEAR                                                   REASE   P20-64   LF
------------------------------------------------------------------------------

 2001   253.0   55.2   36.0   233.8   332.6   225.1   107.5    1.62   1.92
 2006   230.0   48.3    .0    181.7   306.7   234.5    72.3    1.59   1.83
 2011   230.0   50.5    .0    179.5   283.6   251.2    32.4    1.57   1.80
 2016   230.0   52.4    .0    177.6   279.2   271.1     8.1    1.57   1.81
 2021   230.0   54.1    .0    175.9   279.7   295.1   -15.4    1.61   1.85
 2026   230.0   55.6    .0    174.4   270.9   326.7   -55.8    1.66   1.91
 2031   230.0   56.7    .0    173.3   255.8   367.2  -111.3    1.72   1.96
 2036   230.0   57.4    .0    172.6   241.6   412.6  -171.0    1.74   1.99
 2041   230.0   57.7    .0    172.3   231.0   455.4  -224.4    1.76   2.02
 2046   230.0   57.5    .0    172.5   225.6   487.3  -261.7    1.77   2.04
 2051   230.0   57.1    .0    172.9   222.5   504.1  -281.6    1.80   2.07

------------------------------------------------------------------------------
Note:  NPR is non-permanent residents; TPOP is total population;
       P20-64 is population aged 20 to 64; LF is total labour force.
       All numbers of persons are in thousands.
```

```
PMEDS-D TABLE 3: PROJECTION SUMMARY PART 3   CANADA
                 ID: Lower Fertility                      DATE:  6JUL2005
--------------------------------------------------------------------------------
         TOTAL  CRUDE  CRUDE   NAT-    LIFE EXPECTANCY AT --        LF    LF
         FERT-  BIRTH  DEATH   URAL   -------------------------   PART    %
         ILITY  RATE   RATE    INC-     AGE 0         AGE 65      RATE  FEMALE
 YEAR    RATE                  REASE   M      F       M      F
--------------------------------------------------------------------------------

 2001    1.53   10.8   7.3     3.5    76.9   81.9    16.7   20.4   66.0   46.0
 2006    1.38    9.5   7.3     2.2    78.4   82.6    17.5   20.8   67.8   46.7
 2011    1.23    8.5   7.5     1.0    79.5   83.2    18.1   21.2   67.3   46.9
 2016    1.20    8.1   7.9      .2    80.4   83.8    18.5   21.5   66.1   46.9
 2021    1.20    7.9   8.4     -.4    81.0   84.2    18.9   21.8   64.0   46.7
 2026    1.20    7.5   9.1    -1.5    81.5   84.6    19.1   22.1   61.8   46.6
 2031    1.20    7.0  10.1    -3.1    81.8   85.0    19.4   22.4   60.1   46.6
 2036    1.20    6.6  11.3    -4.7    82.1   85.3    19.5   22.6   58.9   46.6
 2041    1.20    6.3  12.5    -6.1    82.4   85.6    19.7   22.8   57.9   46.6
 2046    1.20    6.2  13.5    -7.2    82.6   85.9    19.9   23.0   57.0   46.6
 2051    1.20    6.2  14.1    -7.9    82.8   86.1    20.0   23.2   56.1   46.5


--------------------------------------------------------------------------------
Note:  LF is total labour force.


PMEDS-D TABLE 4: PROJECTION SUMMARY PART 4   CANADA
                 ID: Lower Fertility                      DATE:  6JUL2005
--------------------------------------------------------------------------------
            MEDIAN AGE OF POPULATION          MEDIAN AGE OF LF          U
 YEAR    ------------------------------------  --------------------    RATE
         TOTAL   MALE   FEMALE   AGE    AGE    TOTAL   MALE   FEMALE    (%)
                                20-64   65+
--------------------------------------------------------------------------------

 2001    37.2    36.3   38.0    40.9   73.9    39.1    39.3   38.8     7.2
 2006    38.9    38.0   39.9    42.3   74.4    40.5    40.7   40.2     7.2
 2011    40.6    39.7   41.4    43.0   73.9    41.0    41.3   40.7     7.2
 2016    42.1    41.2   42.9    43.1   73.2    41.2    41.5   40.9     7.2
 2021    43.6    42.8   44.3    43.1   73.3    41.4    41.8   41.0     7.2
 2026    45.1    44.4   45.8    43.3   73.6    41.8    42.3   41.4     7.2
 2031    46.6    45.9   47.3    43.6   74.3    42.3    42.8   41.9     7.2
 2036    47.9    47.1   48.7    44.4   75.4    43.1    43.5   42.6     7.2
 2041    49.1    48.3   49.9    45.1   76.3    43.6    44.1   43.1     7.2
 2046    50.2    49.3   51.1    45.4   76.4    43.9    44.3   43.3     7.2
 2051    50.9    50.0   51.8    45.4   76.1    43.8    44.4   43.2     7.2


--------------------------------------------------------------------------------
Note:  LF is total labour force; U RATE is total unemployment rate.
```

```
MEDS-E TABLE 1:   MAJOR DEMOGRAPHIC AND ECONOMIC AGGREGATES
                  ID:   Lower Fertility                      DATE:   6JUL2005
-------------------------------------------------------------------------------
                                   Gross              Fixed   Gov't   Fixed
            Popula-  Labour  Employ Domestic Consump Invest  Current Capital
            tion     Force   -ment  Product  -tion   -ment   Expend. Stock
     YEAR   POPTOT   LFTOT   ETOT   GDP      CONSUM   ITOT    GOVC    KTOT
-------------------------------------------------------------------------------
                                 - levels -

     2001   31021.   16168.  15004.  1036.0   550.2   206.3   193.9   2744.3
     2006   32432.   17755.  16476.  1209.7   655.6   275.2   232.2   3284.5
     2011   33577.   18636.  17294.  1404.0   760.9   324.9   269.5   4002.2
     2016   34544.   19127.  17749.  1590.4   861.9   373.3   305.2   4792.5
     2021   35401.   19128.  17751.  1754.2   950.6   417.4   336.7   5634.1
     2026   36085.   18918.  17556.  1902.7  1031.1   458.0   365.2   6501.8
     2031   36511.   18639.  17297.  2029.8  1100.1   493.8   389.6   7376.5
     2036   36639.   18389.  17065.  2148.5  1164.4   527.1   412.4   8243.8
     2041   36480.   18103.  16800.  2251.9  1220.4   556.7   432.2   9094.4
     2046   36101.   17710.  16435.  2337.5  1266.8   581.9   448.6   9916.0
     2051   35589.   17210.  15971.  2407.2  1304.5   603.2   462.0  10697.3


-------------------------------------------------------------------------------
Note:   Numbers of persons are in thousands; income/expenditure figures
        are in billions of 1997 dollars.


MEDS-E TABLE 2:   MAJOR DEMOGRAPHIC AND ECONOMIC AGGREGATES
                  ID:   Lower Fertility                      DATE:   6JUL2005
-------------------------------------------------------------------------------
                                   Gross              Fixed   Gov't   Fixed
            Popula-  Labour  Employ Domestic Consump Invest  Current Capital
            tion     Force   -ment  Product  -tion   -ment   Expend. Stock
     YEAR   POPTOT   LFTOT   ETOT   GDP      CONSUM   ITOT    GOVC    KTOT
-------------------------------------------------------------------------------
                           - percentage growth rates -

     2006     4.5     9.8     9.8    16.8    19.2    33.4    19.8    19.7
     2011     3.5     5.0     5.0    16.1    16.1    18.1    16.1    21.9
     2016     2.9     2.6     2.6    13.3    13.3    14.9    13.3    19.7
     2021     2.5      .0      .0    10.3    10.3    11.8    10.3    17.6
     2026     1.9    -1.1    -1.1     8.5     8.5     9.7     8.5    15.4
     2031     1.2    -1.5    -1.5     6.7     6.7     7.8     6.7    13.5
     2036      .3    -1.3    -1.3     5.8     5.8     6.7     5.8    11.8
     2041     -.4    -1.6    -1.6     4.8     4.8     5.6     4.8    10.3
     2046    -1.0    -2.2    -2.2     3.8     3.8     4.5     3.8     9.0
     2051    -1.4    -2.8    -2.8     3.0     3.0     3.6     3.0     7.9


-------------------------------------------------------------------------------
Note:   The growth rates show total growth over the preceding 5 years.
```

```
MEDS-E TABLE 3:   RATIOS OF AGGREGATE VARIABLES
                  ID:  Lower Fertility                      DATE:  6JUL2005
-------------------------------------------------------------------------------
          GDP/POPTOT          Percent of GDP--             URATE    KTOT
      ---------------   ------------------------------     (%)      ----
Year                                                                GDP
      index % growth   CONSUM    ITOT    GOVC   TRADEBAL
-------------------------------------------------------------------------------

2001   100.0      .      53.1    19.9    18.7      5.8      7.2      2.6
2006   111.7    11.7     54.2    22.7    19.2       .0      7.2      2.7
2011   125.2    12.1     54.2    23.1    19.2       .0      7.2      2.9
2016   137.9    10.1     54.2    23.5    19.2       .0      7.2      3.0
2021   148.4     7.6     54.2    23.8    19.2       .0      7.2      3.2
2026   157.9     6.4     54.2    24.1    19.2       .0      7.2      3.4
2031   166.5     5.4     54.2    24.3    19.2       .0      7.2      3.6
2036   175.6     5.5     54.2    24.5    19.2       .0      7.2      3.8
2041   184.8     5.3     54.2    24.7    19.2       .0      7.2      4.0
2046   193.9     4.9     54.2    24.9    19.2       .0      7.2      4.2
2051   202.5     4.5     54.2    25.1    19.2       .0      7.2      4.4

-------------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.


MEDS-E TABLE 4:   PRODUCTIVITY MEASURES
                  ID:  Lower Fertility                      DATE:  6JUL2005
-------------------------------------------------------------------------------
          GDP/ETOT           GDP/KTOT            KTOT/ETOT
      ---------------    ---------------     ---------------
Year
      index  % growth    index  % growth     index  % growth
-------------------------------------------------------------------------------

2001  100.0      .       100.0      .        100.0      .
2006  106.3     6.3       97.6    -2.4       109.0     9.0
2011  117.6    10.6       92.9    -4.8       126.5    16.1
2016  129.8    10.4       87.9    -5.4       147.6    16.7
2021  143.1    10.3       82.5    -6.2       173.5    17.6
2026  157.0     9.7       77.5    -6.0       202.5    16.7
2031  170.0     8.3       72.9    -6.0       233.2    15.2
2036  182.3     7.3       69.0    -5.3       264.1    13.3
2041  194.1     6.5       65.6    -5.0       296.0    12.1
2046  206.0     6.1       62.4    -4.8       329.9    11.5
2051  218.3     6.0       59.6    -4.5       366.2    11.0

-------------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.
```

```
MEDS-E TABLE 10:   PROJECTED EDUCATION OF POPULATION            BOTH SEXES
                   ID:   Lower Fertility                    DATE:  6JUL2005
-------------------------------------------------------------------------------
                        15+                                  20-24
   YEAR     ---------------------------------   ---------------------------------
            E1    E2    E3    E4    E5    E6    E7    E1    E2    E3    E4    E5    E6    E7
-------------------------------------------------------------------------------
            - percentage distribution -            - percentage distribution -

   2001    9.9  17.5  19.4   9.1  28.2  10.8   5.1   1.9  11.1  23.7  25.4  28.8   8.1   1.1
   2006    7.6  16.2  18.9   9.5  29.3  12.2   6.2   1.6  11.5  22.1  27.6  28.0   8.1   1.1
   2011    5.9  14.8  18.2  10.0  30.4  13.7   7.1   1.5  11.5  21.0  29.1  27.6   8.1   1.2
   2016    4.4  13.1  17.7  10.4  31.3  15.1   7.9   1.6  11.4  19.9  30.5  27.2   8.1   1.3
   2021    3.4  11.7  17.0  10.8  32.2  16.4   8.5   1.7  11.4  18.8  31.9  26.7   8.1   1.4
   2026    2.6  10.7  16.5  11.3  32.8  17.2   8.9   1.8  11.3  17.7  33.4  26.2   8.1   1.5
   2031    2.3  10.0  15.6  11.7  33.3  17.9   9.2   1.9  11.2  16.7  34.8  25.7   8.1   1.6
   2036    2.0   9.1  14.4  12.4  33.8  18.9   9.5   2.0  11.1  15.6  36.3  25.2   8.1   1.7
   2041    1.7   8.2  13.0  13.2  33.9  20.0   9.9   2.1  11.1  14.6  37.7  24.6   8.1   1.8
   2046    1.6   7.2  11.6  13.9  34.6  20.8  10.3   2.1  10.7  13.6  39.3  24.2   8.1   1.9
   2051    1.5   6.4  11.1  14.9  34.4  21.0  10.5   2.2  10.4  12.7  40.8  23.7   8.2   2.0

-------------------------------------------------------------------------------
Note:  E1 refers to grade 8 or lower, E2 to some secondary, E3 to secondary
       school graduation, E4 to some post-secondary, E5 to post-secondary
       certificate or diploma, E6 to completed bachelor's degree, and E7
       to university degree or certificate above bachelor's.
```

```
PMEDS-D TABLE 1: PROJECTION SUMMARY PART 1   CANADA
                ID: Higher Immigration                 DATE:  6JUL2005
-----------------------------------------------------------------------
         POPULATION           LABOUR FORCE       TOTAL  HOUSE    % OF TPOP
      --------------------  --------------------  HOUSE  -HOLD  ------------
YEAR                                              -HOLDS  SIZE   <15    65+
      TOTAL CHANGE GROWTH   TOTAL CHANGE GROWTH   ('000)
      ('000) ('000)  (%)    ('000) ('000)  (%)
-----------------------------------------------------------------------

 2001 31021.  1411.  4.76  16168.  1283.  8.62  11960.   2.59  18.9  12.6
 2006 32535.  1514.  4.88  17784.  1616. 10.00  12901.   2.52  17.3  13.2
 2011 34162.  1627.  5.00  18821.  1037.  5.83  13897.   2.46  16.0  14.3
 2016 35750.  1588.  4.65  19478.   657.  3.49  14885.   2.40  15.5  16.3
 2021 37245.  1496.  4.18  19680.   202.  1.04  15830.   2.35  15.4  18.6
 2026 38571.  1326.  3.56  19777.    97.   .49  16625.   2.32  15.1  21.1
 2031 39649.  1077.  2.79  19914.   137.   .69  17269.   2.30  14.6  23.3
 2036 40464.   816.  2.06  20119.   204.  1.03  17758.   2.28  14.1  24.3
 2041 41056.   592.  1.46  20282.   163.   .81  18121.   2.27  13.8  24.9
 2046 41476.   420.  1.02  20326.    44.   .22  18389.   2.26  13.7  25.5
 2051 41778.   302.   .73  20271.   -55.  -.27  18580.   2.25  13.7  26.1

-----------------------------------------------------------------------
Note:  TPOP is total population.
Note:  The growth rates show total growth over the preceding 5 years.


PMEDS-D TABLE 2: PROJECTION SUMMARY PART 2   CANADA
                ID: Higher Immigration                 DATE:  6JUL2005
-----------------------------------------------------------------------
        IMMI-   EMI-   CHANGE   NET    BIRTHS  DEATHS  NAT-    RATIO OF TPOP
        GRA-    GRA-     IN     IN-                    URAL       TO--
        TION    TION    NPR    FLOW                   INC-    -------------
YEAR                                                  REASE   P20-64    LF
-----------------------------------------------------------------------

 2001   253.0   55.2    36.0   233.8   332.6   225.1   107.5   1.62   1.92
 2006   280.0   48.4     .0    231.6   330.2   234.6    95.6   1.59   1.83
 2011   280.0   51.2     .0    228.8   346.9   251.7    95.2   1.58   1.82
 2016   280.0   54.0     .0    226.0   358.2   272.2    86.1   1.60   1.84
 2021   280.0   56.7     .0    223.3   362.2   296.8    65.4   1.65   1.89
 2026   280.0   59.2     .0    220.8   355.7   329.2    26.5   1.71   1.95
 2031   280.0   61.4     .0    218.6   346.2   370.8   -24.6   1.76   1.99
 2036   280.0   63.2     .0    216.8   344.6   417.6   -73.0   1.78   2.01
 2041   280.0   64.6     .0    215.4   350.0   462.4  -112.3   1.78   2.02
 2046   280.0   65.8     .0    214.2   355.5   496.7  -141.2   1.79   2.04
 2051   280.0   66.8     .0    213.2   356.9   516.7  -159.8   1.81   2.06

-----------------------------------------------------------------------
Note:  NPR is non-permanent residents; TPOP is total population;
       P20-64 is population aged 20 to 64; LF is total labour force.
       All numbers of persons are in thousands.
```

```
PMEDS-D TABLE 3: PROJECTION SUMMARY PART 3   CANADA
              ID: Higher Immigration                DATE:  6JUL2005
------------------------------------------------------------------------------
        TOTAL  CRUDE  CRUDE   NAT-     LIFE EXPECTANCY AT --      LF    LF
        FERT-  BIRTH  DEATH   URAL    ---------------------------  PART   %
YEAR    ILITY  RATE   RATE    INC-       AGE 0        AGE 65      RATE  FEMALE
        RATE                  REASE    M      F      M      F
------------------------------------------------------------------------------

 2001   1.53   10.8    7.3    3.5    76.9   81.9   16.7   20.4   66.0   46.0
 2006   1.50   10.2    7.2    3.0    78.4   82.6   17.5   20.8   67.9   46.7
 2011   1.50   10.2    7.4    2.8    79.5   83.2   18.1   21.2   67.4   46.9
 2016   1.50   10.1    7.6    2.4    80.4   83.8   18.5   21.5   66.3   47.0
 2021   1.50    9.8    8.0    1.8    81.0   84.2   18.9   21.8   64.3   46.8
 2026   1.50    9.3    8.6     .7    81.5   84.6   19.1   22.1   62.3   46.7
 2031   1.50    8.8    9.4    -.6    81.8   85.0   19.4   22.4   60.8   46.7
 2036   1.50    8.5   10.3   -1.8    82.1   85.3   19.5   22.6   59.9   46.8
 2041   1.50    8.5   11.3   -2.7    82.4   85.6   19.7   22.8   59.3   46.8
 2046   1.50    8.6   12.0   -3.4    82.6   85.9   19.9   23.0   58.8   46.7
 2051   1.50    8.5   12.4   -3.8    82.8   86.1   20.0   23.2   58.2   46.7

------------------------------------------------------------------------------
Note:  LF is total labour force.


PMEDS-D TABLE 4: PROJECTION SUMMARY PART 4   CANADA
              ID: Higher Immigration                DATE:  6JUL2005
------------------------------------------------------------------------------
          MEDIAN AGE OF POPULATION         MEDIAN AGE OF LF        U
YEAR    -----------------------------------  -------------------   RATE
        TOTAL   MALE   FEMALE   AGE    AGE   TOTAL   MALE  FEMALE   (%)
                                20-64  65+
------------------------------------------------------------------------------

 2001    37.2   36.3    38.0   40.9   73.9   39.1   39.3   38.8   7.2
 2006    38.9   37.9    39.8   42.3   74.4   40.5   40.7   40.2   7.2
 2011    40.1   39.2    41.0   42.9   73.9   40.9   41.2   40.6   7.2
 2016    41.1   40.3    41.9   42.9   73.2   41.1   41.4   40.7   7.2
 2021    42.2   41.5    42.9   42.9   73.3   41.2   41.6   40.8   7.2
 2026    43.4   42.7    44.1   43.1   73.6   41.5   42.0   41.1   7.2
 2031    44.5   43.8    45.2   43.2   74.2   41.8   42.2   41.3   7.2
 2036    45.4   44.7    46.2   43.7   75.3   42.2   42.6   41.7   7.2
 2041    46.2   45.4    47.0   44.0   76.2   42.3   42.8   41.8   7.2
 2046    46.6   45.7    47.5   43.8   76.2   42.2   42.6   41.7   7.2
 2051    46.6   45.6    47.6   43.6   75.9   42.0   42.5   41.5   7.2

------------------------------------------------------------------------------
Note:  LF is total labour force; U RATE is total unemployment rate.
```

```
MEDS-E TABLE 1:   MAJOR DEMOGRAPHIC AND ECONOMIC AGGREGATES
                  ID:  Higher Immigration              DATE:  6JUL2005
------------------------------------------------------------------------
                                       Gross            Fixed   Gov't   Fixed
            Popula-   Labour   Employ  Domestic Consump Invest  Current Capital
            tion      Force    -ment   Product  -tion   -ment   Expend. Stock
   YEAR     POPTOT    LFTOT    ETOT    GDP      CONSUM  ITOT    GOVC    KTOT
------------------------------------------------------------------------
                                - levels -

   2001     31021.   16168.   15004.  1036.0    550.2   206.3   193.9   2744.3
   2006     32535.   17784.   16504.  1211.3    656.5   275.4   232.5   3284.5
   2011     34162.   18822.   17466.  1415.2    766.9   327.1   271.6   4006.9
   2016     35750.   19478.   18076.  1614.4    874.9   378.2   309.9   4810.8
   2021     37245.   19680.   18263.  1794.8    972.7   425.9   344.5   5677.0
   2026     38571.   19777.   18353.  1965.4   1065.1   471.4   377.2   6582.5
   2031     39649.   19914.   18481.  2122.4   1150.2   513.9   407.4   7512.3
   2036     40464.   20119.   18670.  2281.1   1236.2   556.2   437.8   8457.5
   2041     41056.   20282.   18822.  2435.2   1319.8   597.2   467.4   9415.1
   2046     41477.   20326.   18862.  2581.3   1398.9   636.4   495.4  10378.3
   2051     41778.   20271.   18812.  2720.5   1474.3   673.9   522.1  11339.3


------------------------------------------------------------------------
Note:  Numbers of persons are in thousands; income/expenditure figures
       are in billions of 1997 dollars.


MEDS-E TABLE 2:   MAJOR DEMOGRAPHIC AND ECONOMIC AGGREGATES
                  ID:  Higher Immigration              DATE:  6JUL2005
------------------------------------------------------------------------
                                       Gross            Fixed   Gov't   Fixed
            Popula-   Labour   Employ  Domestic Consump Invest  Current Capital
            tion      Force    -ment   Product  -tion   -ment   Expend. Stock
   YEAR     POPTOT    LFTOT    ETOT    GDP      CONSUM  ITOT    GOVC    KTOT
------------------------------------------------------------------------
                           - percentage growth rates -

   2006      4.9      10.0     10.0    16.9     19.3    33.5    19.9    19.7
   2011      5.0       5.8      5.8    16.8     16.8    18.7    16.8    22.0
   2016      4.6       3.5      3.5    14.1     14.1    15.6    14.1    20.1
   2021      4.2       1.0      1.0    11.2     11.2    12.6    11.2    18.0
   2026      3.6        .5       .5     9.5      9.5    10.7     9.5    16.0
   2031      2.8        .7       .7     8.0      8.0     9.0     8.0    14.1
   2036      2.1       1.0      1.0     7.5      7.5     8.2     7.5    12.6
   2041      1.5        .8       .8     6.8      6.8     7.4     6.8    11.3
   2046      1.0        .2       .2     6.0      6.0     6.6     6.0    10.2
   2051       .7       -.3      -.3     5.4      5.4     5.9     5.4     9.3


------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.
```

```
MEDS-E TABLE 3:   RATIOS OF AGGREGATE VARIABLES
                  ID:  Higher Immigration                    DATE:  6JUL2005
-------------------------------------------------------------------------------
        GDP/POPTOT            Percent of GDP--             URATE    KTOT
       ---------------   ------------------------------    (%)      ----
Year                                                                GDP
       index % growth   CONSUM    ITOT    GOVC   TRADEBAL
-------------------------------------------------------------------------------

2001   100.0      .      53.1     19.9    18.7     5.8       7.2     2.6
2006   111.5    11.5     54.2     22.7    19.2      .0       7.2     2.7
2011   124.0    11.3     54.2     23.1    19.2      .0       7.2     2.8
2016   135.2     9.0     54.2     23.4    19.2      .0       7.2     3.0
2021   144.3     6.7     54.2     23.7    19.2      .0       7.2     3.2
2026   152.6     5.7     54.2     24.0    19.2      .0       7.2     3.3
2031   160.3     5.1     54.2     24.2    19.2      .0       7.2     3.5
2036   168.8     5.3     54.2     24.4    19.2      .0       7.2     3.7
2041   177.6     5.2     54.2     24.5    19.2      .0       7.2     3.9
2046   186.4     4.9     54.2     24.7    19.2      .0       7.2     4.0
2051   195.0     4.6     54.2     24.8    19.2      .0       7.2     4.2

-------------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.


MEDS-E TABLE 4:   PRODUCTIVITY MEASURES
                  ID:  Higher Immigration                    DATE:  6JUL2005
-------------------------------------------------------------------------------
         GDP/ETOT              GDP/KTOT              KTOT/ETOT
       ---------------      ---------------       ---------------
Year
       index   % growth     index   % growth      index   % growth
-------------------------------------------------------------------------------

2001   100.0       .        100.0       .         100.0       .
2006   106.3      6.3        97.7     -2.3        108.8      8.8
2011   117.3     10.4        93.6     -4.2        125.4     15.3
2016   129.4     10.2        88.9     -5.0        145.5     16.0
2021   142.3     10.0        83.8     -5.8        169.9     16.8
2026   155.1      9.0        79.1     -5.6        196.1     15.4
2031   166.3      7.2        74.8     -5.4        222.2     13.3
2036   177.0      6.4        71.5     -4.5        247.7     11.4
2041   187.4      5.9        68.5     -4.1        273.5     10.4
2046   198.2      5.8        65.9     -3.8        300.8     10.0
2051   209.5      5.7        63.6     -3.5        329.6      9.6

-------------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.
```

```
MEDS-E TABLE 10:  PROJECTED EDUCATION OF POPULATION              BOTH SEXES
                  ID:  Higher Immigration               DATE:  6JUL2005
---------------------------------------------------------------------------
                     15+                              20-24
  YEAR   --------------------------------   --------------------------------
         E1   E2   E3   E4   E5   E6   E7    E1   E2   E3   E4   E5   E6   E7
---------------------------------------------------------------------------
         - percentage distribution -           - percentage distribution -

  2001   9.9 17.5 19.4  9.1 28.2 10.8  5.1   1.9 11.1 23.7 25.4 28.8  8.1  1.1
  2006   7.6 16.2 18.8  9.5 29.3 12.2  6.3   1.6 11.6 22.1 27.6 28.0  8.1  1.1
  2011   5.9 14.7 18.2 10.0 30.3 13.8  7.2   1.5 11.6 20.9 29.1 27.5  8.1  1.3
  2016   4.4 13.1 17.6 10.4 31.1 15.3  8.1   1.6 11.6 19.8 30.6 27.0  8.1  1.4
  2021   3.4 11.8 16.8 10.8 31.8 16.6  8.8   1.7 11.5 18.6 32.1 26.4  8.1  1.5
  2026   2.6 11.0 16.2 11.4 32.2 17.3  9.2   1.9 11.5 17.5 33.6 25.9  8.1  1.6
  2031   2.3 10.5 15.3 12.0 32.5 18.0  9.4   2.0 11.4 16.5 35.1 25.3  8.1  1.7
  2036   2.0  9.6 14.1 12.8 32.8 18.9  9.7   2.0 11.3 15.4 36.5 24.8  8.1  1.8
  2041   1.7  8.7 12.6 13.7 32.9 20.1 10.3   2.1 11.2 14.4 38.0 24.2  8.1  1.9
  2046   1.6  7.6 11.2 14.4 33.4 21.0 10.8   2.2 10.9 13.4 39.5 23.8  8.2  2.0
  2051   1.6  6.9 10.6 15.5 33.1 21.2 11.0   2.3 10.5 12.5 41.0 23.4  8.2  2.1

---------------------------------------------------------------------------
Note:  E1 refers to grade 8 or lower, E2 to some secondary, E3 to secondary
       school graduation, E4 to some post-secondary, E5 to post-secondary
       certificate or diploma, E6 to completed bachelor's degree, and E7
       to university degree or certificate above bachelor's.
```

```
PMEDS-D TABLE 1: PROJECTION SUMMARY PART 1   CANADA
                ID: Lower Immigration                    DATE:  6JUL2005
-------------------------------------------------------------------------------
         POPULATION          LABOUR FORCE       TOTAL  HOUSE    % OF TPOP
YEAR --------------------  --------------------  HOUSE  -HOLD   ------------
     TOTAL CHANGE GROWTH   TOTAL CHANGE GROWTH  -HOLDS  SIZE    <15    65+
     ('000) ('000)  (%)    ('000) ('000)  (%)   ('000)
-------------------------------------------------------------------------------

 2001 31021.  1411.  4.76  16168.  1283.  8.62  11960.  2.59   18.9   12.6
 2006 32435.  1414.  4.56  17725.  1557.  9.63  12868.  2.52   17.3   13.2
 2011 33537.  1102.  3.40  18449.   724.  4.09  13686.  2.45   15.9   14.5
 2016 34565.  1027.  3.06  18769.   320.  1.74  14475.  2.39   15.3   16.8
 2021 35476.   911.  2.64  18619.  -150.  -.80  15203.  2.33   15.0   19.3
 2026 36200.   724.  2.04  18352.  -268. -1.44  15763.  2.30   14.7   22.2
 2031 36662.   462.  1.28  18123.  -228. -1.24  16157.  2.27   14.2   24.7
 2036 36850.   188.   .51  17979.  -145.  -.80  16379.  2.25   13.7   26.0
 2041 36807.   -43.  -.12  17822.  -157.  -.87  16461.  2.24   13.3   26.6
 2046 36590.  -216.  -.59  17574.  -248. -1.39  16440.  2.23   13.2   27.3
 2051 36265.  -325.  -.89  17247.  -328. -1.86  16342.  2.22   13.2   27.8

-------------------------------------------------------------------------------
Note:  TPOP is total population.
Note:  The growth rates show total growth over the preceding 5 years.


PMEDS-D TABLE 2: PROJECTION SUMMARY PART 2   CANADA
                ID: Lower Immigration                    DATE:  6JUL2005
-------------------------------------------------------------------------------
         IMMI-   EMI-   CHANGE    NET    BIRTHS  DEATHS   NAT-    RATIO OF TPOP
         GRA-    GRA-     IN      IN-                     URAL       TO--
         TION    TION    NPR     FLOW                    INC-    -------------
YEAR                                                     REASE   P20-64    LF
-------------------------------------------------------------------------------

 2001   253.0   55.2    36.0    233.8   332.6   225.1   107.5    1.62    1.92
 2006   180.0   48.4      .0    131.6   330.2   234.6    95.6    1.59    1.83
 2011   180.0   50.4      .0    129.6   337.1   250.9    86.2    1.58    1.82
 2016   180.0   52.4      .0    127.6   340.5   270.4    70.1    1.60    1.84
 2021   180.0   54.2      .0    125.8   338.2   293.8    44.4    1.65    1.91
 2026   180.0   55.8      .0    124.2   326.0   324.6     1.4    1.73    1.97
 2031   180.0   57.0      .0    123.0   310.8   364.1   -53.2    1.79    2.02
 2036   180.0   57.7      .0    122.3   303.4   408.2  -104.8    1.81    2.05
 2041   180.0   58.1      .0    121.9   302.9   449.2  -146.4    1.82    2.07
 2046   180.0   58.2      .0    121.8   303.0   478.7  -175.8    1.83    2.08
 2051   180.0   58.1      .0    121.9   299.9   492.4  -192.6    1.84    2.10

-------------------------------------------------------------------------------
Note:  NPR is non-permanent residents; TPOP is total population;
       P20-64 is population aged 20 to 64; LF is total labour force.
       All numbers of persons are in thousands.
```

```
PMEDS-D TABLE 3: PROJECTION SUMMARY PART 3   CANADA
                ID: Lower Immigration                   DATE:  6JUL2005
------------------------------------------------------------------------------
        TOTAL  CRUDE  CRUDE   NAT-     LIFE EXPECTANCY AT --      LF    LF
        FERT-  BIRTH  DEATH   URAL    --------------------------  PART   %
YEAR    ILITY  RATE   RATE    INC-       AGE 0        AGE 65      RATE FEMALE
        RATE                  REASE    M      F      M      F
------------------------------------------------------------------------------

2001    1.53   10.8    7.3     3.5    76.9   81.9   16.7   20.4   66.0   46.0
2006    1.50   10.2    7.3     3.0    78.4   82.6   17.5   20.8   67.8   46.7
2011    1.50   10.1    7.5     2.6    79.5   83.2   18.1   21.2   67.2   46.8
2016    1.50    9.9    7.8     2.0    80.4   83.8   18.5   21.5   65.9   46.9
2021    1.50    9.6    8.3     1.3    81.0   84.2   18.9   21.8   63.6   46.7
2026    1.50    9.0    9.0      .0    81.5   84.6   19.1   22.1   61.3   46.6
2031    1.50    8.5    9.9    -1.5    81.8   85.0   19.4   22.4   59.6   46.6
2036    1.50    8.2   11.1    -2.8    82.1   85.3   19.5   22.6   58.5   46.6
2041    1.50    8.2   12.2    -4.0    82.4   85.6   19.7   22.8   57.9   46.5
2046    1.50    8.3   13.1    -4.8    82.6   85.9   19.9   23.0   57.3   46.5
2051    1.50    8.3   13.6    -5.3    82.8   86.1   20.0   23.2   56.8   46.4

------------------------------------------------------------------------------
Note:  LF is total labour force.


PMEDS-D TABLE 4: PROJECTION SUMMARY PART 4   CANADA
                ID: Lower Immigration                   DATE:  6JUL2005
------------------------------------------------------------------------------
           MEDIAN AGE OF POPULATION          MEDIAN AGE OF LF         U
YEAR    -----------------------------------  --------------------   RATE
        TOTAL   MALE   FEMALE   AGE    AGE    TOTAL   MALE  FEMALE   (%)
                                20-64  65+
------------------------------------------------------------------------------

2001    37.2    36.3    38.0    40.9   73.9   39.1   39.3   38.8    7.2
2006    38.9    38.0    39.9    42.3   74.4   40.5   40.7   40.3    7.2
2011    40.4    39.5    41.4    43.2   74.0   41.1   41.4   40.8    7.2
2016    41.7    40.9    42.6    43.3   73.2   41.4   41.7   41.1    7.2
2021    43.0    42.2    43.8    43.3   73.3   41.5   41.9   41.1    7.2
2026    44.3    43.5    45.1    43.4   73.6   41.8   42.2   41.3    7.2
2031    45.5    44.7    46.4    43.5   74.3   42.0   42.5   41.6    7.2
2036    46.5    45.7    47.4    43.9   75.4   42.5   42.9   42.0    7.2
2041    47.5    46.5    48.4    44.3   76.4   42.7   43.1   42.1    7.2
2046    48.0    46.9    49.0    44.2   76.5   42.5   43.0   41.9    7.2
2051    48.0    46.9    49.1    43.9   76.3   42.3   42.8   41.7    7.2

------------------------------------------------------------------------------
Note:  LF is total labour force; U RATE is total unemployment rate.
```

```
MEDS-E TABLE 1:   MAJOR DEMOGRAPHIC AND ECONOMIC AGGREGATES
                  ID:   Lower Immigration                    DATE:   6JUL2005
-------------------------------------------------------------------------------
                                      Gross             Fixed   Gov't   Fixed
          Popula-   Labour   Employ  Domestic  Consump  Invest  Current Capital
          tion      Force    -ment   Product   -tion    -ment   Expend. Stock
  YEAR    POPTOT    LFTOT    ETOT    GDP       CONSUM   ITOT    GOVC    KTOT
-------------------------------------------------------------------------------
                                    - levels -

  2001    31021.    16168.   15004.  1036.0    550.2    206.3   193.9   2744.3
  2006    32435.    17725.   16449.  1208.2    654.8    274.9   231.9   3284.5
  2011    33538.    18449.   17121.  1392.7    754.7    322.7   267.3   3997.6
  2016    34565.    18769.   17418.  1565.9    848.6    368.3   300.5   4773.9
  2021    35476.    18619.   17279.  1713.3    928.5    408.8   328.8   5590.6
  2026    36200.    18352.   17030.  1844.3    999.5    445.4   354.0   6421.3
  2031    36662.    18124.   16819.  1957.4   1060.8    477.6   375.7   7249.4
  2036    36850.    17979.   16684.  2069.0   1121.3    508.7   397.1   8065.9
  2041    36807.    17822.   16539.  2173.9   1178.1    537.9   417.2   8869.3
  2046    36591.    17574.   16309.  2268.8   1229.5    564.5   435.4   9654.3
  2051    36265.    17247.   16005.  2353.9   1275.7    588.6   451.8  10414.3


-------------------------------------------------------------------------------
Note:   Numbers of persons are in thousands; income/expenditure figures
        are in billions of 1997 dollars.


MEDS-E TABLE 2:   MAJOR DEMOGRAPHIC AND ECONOMIC AGGREGATES
                  ID:   Lower Immigration                    DATE:   6JUL2005
-------------------------------------------------------------------------------
                                      Gross             Fixed   Gov't   Fixed
          Popula-   Labour   Employ  Domestic  Consump  Invest  Current Capital
          tion      Force    -ment   Product   -tion    -ment   Expend. Stock
  YEAR    POPTOT    LFTOT    ETOT    GDP       CONSUM   ITOT    GOVC    KTOT
-------------------------------------------------------------------------------
                              - percentage growth rates -

  2006     4.6       9.6      9.6    16.6      19.0     33.2    19.6    19.7
  2011     3.4       4.1      4.1    15.3      15.3     17.4    15.3    21.7
  2016     3.1       1.7      1.7    12.4      12.4     14.2    12.4    19.4
  2021     2.6      -.8      -.8      9.4       9.4     11.0     9.4    17.1
  2026     2.0     -1.4     -1.4      7.7       7.7      8.9     7.7    14.9
  2031     1.3     -1.2     -1.2      6.1       6.1      7.2     6.1    12.9
  2036      .5      -.8      -.8      5.7       5.7      6.5     5.7    11.3
  2041     -.1      -.9      -.9      5.1       5.1      5.7     5.1    10.0
  2046     -.6     -1.4     -1.4      4.4       4.4      4.9     4.4     8.9
  2051     -.9     -1.9     -1.9      3.8       3.8      4.3     3.8     7.9


-------------------------------------------------------------------------------
Note:   The growth rates show total growth over the preceding 5 years.
```

```
MEDS-E TABLE 3:   RATIOS OF AGGREGATE VARIABLES
                  ID:   Lower Immigration                        DATE:  6JUL2005
-------------------------------------------------------------------------------
          GDP/POPTOT            Percent of GDP--            URATE    KTOT
        ---------------   ------------------------------    (%)      ----
 Year                                                                GDP
        index % growth   CONSUM    ITOT    GOVC   TRADEBAL
-------------------------------------------------------------------------------

 2001   100.0       .      53.1    19.9    18.7     5.8      7.2      2.6
 2006   111.5    11.5      54.2    22.8    19.2      .0      7.2      2.7
 2011   124.3    11.5      54.2    23.2    19.2      .0      7.2      2.9
 2016   135.7     9.1      54.2    23.5    19.2      .0      7.2      3.0
 2021   144.6     6.6      54.2    23.9    19.2      .0      7.2      3.3
 2026   152.6     5.5      54.2    24.1    19.2      .0      7.2      3.5
 2031   159.9     4.8      54.2    24.4    19.2      .0      7.2      3.7
 2036   168.1     5.2      54.2    24.6    19.2      .0      7.2      3.9
 2041   176.9     5.2      54.2    24.7    19.2      .0      7.2      4.1
 2046   185.7     5.0      54.2    24.9    19.2      .0      7.2      4.3
 2051   194.4     4.7      54.2    25.0    19.2      .0      7.2      4.4


-------------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.


MEDS-E TABLE 4:   PRODUCTIVITY MEASURES
                  ID:   Lower Immigration                        DATE:  6JUL2005
-------------------------------------------------------------------------------
          GDP/ETOT              GDP/KTOT              KTOT/ETOT
        ---------------       ---------------       ---------------
 Year
        index   % growth      index   % growth      index   % growth
-------------------------------------------------------------------------------

 2001   100.0       .         100.0       .         100.0       .
 2006   106.4      6.4         97.4     -2.6         109.2      9.2
 2011   117.8     10.7         92.3     -5.3         127.7     16.9
 2016   130.2     10.5         86.9     -5.8         149.8     17.4
 2021   143.6     10.3         81.2     -6.6         176.9     18.0
 2026   156.8      9.2         76.1     -6.3         206.1     16.5
 2031   168.6      7.5         71.5     -6.0         235.7     14.3
 2036   179.6      6.6         68.0     -5.0         264.3     12.2
 2041   190.4      6.0         64.9     -4.4         293.2     10.9
 2046   201.5      5.8         62.3     -4.1         323.6     10.4
 2051   213.0      5.7         59.9     -3.8         355.7      9.9


-------------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.
```

```
MEDS-E TABLE 10:  PROJECTED EDUCATION OF POPULATION              BOTH SEXES
                  ID:  Lower Immigration                  DATE:  6JUL2005
---------------------------------------------------------------------------
                      15+                                20-24
   YEAR   --------------------------------   --------------------------------
          E1    E2    E3    E4    E5    E6    E7    E1    E2    E3    E4    E5    E6    E7
---------------------------------------------------------------------------
          - percentage distribution -          - percentage distribution -

   2001   9.9  17.5  19.4   9.1  28.2  10.8   5.1   1.9  11.1  23.7  25.4  28.8   8.1   1.1
   2006   7.6  16.2  18.9   9.5  29.4  12.2   6.2   1.6  11.5  22.1  27.6  28.0   8.1   1.1
   2011   5.9  14.8  18.3  10.0  30.6  13.6   6.9   1.5  11.4  21.0  29.0  27.7   8.1   1.2
   2016   4.4  13.2  17.8  10.4  31.5  14.9   7.7   1.5  11.3  20.0  30.4  27.4   8.1   1.3
   2021   3.4  11.9  17.2  10.8  32.5  16.1   8.2   1.6  11.2  19.0  31.7  27.0   8.0   1.4
   2026   2.6  11.1  16.7  11.4  33.0  16.8   8.5   1.7  11.1  18.0  33.1  26.6   8.0   1.5
   2031   2.2  10.6  15.8  12.0  33.4  17.3   8.7   1.8  11.0  17.0  34.5  26.2   8.0   1.5
   2036   2.0   9.6  14.6  12.7  33.8  18.2   9.0   1.8  10.8  16.0  35.9  25.8   8.0   1.6
   2041   1.7   8.7  13.2  13.5  34.0  19.4   9.4   1.9  10.7  15.0  37.2  25.5   8.0   1.7
   2046   1.5   7.6  11.7  14.3  34.7  20.2   9.9   2.0  10.3  14.1  38.6  25.2   8.1   1.8
   2051   1.5   6.9  11.2  15.3  34.6  20.4  10.1   2.0   9.9  13.2  40.0  24.9   8.1   1.9

---------------------------------------------------------------------------
Note:  E1 refers to grade 8 or lower, E2 to some secondary, E3 to secondary
       school graduation, E4 to some post-secondary, E5 to post-secondary
       certificate or diploma, E6 to completed bachelor's degree, and E7
       to university degree or certificate above bachelor's.
```

```
PMEDS-D TABLE 1: PROJECTION SUMMARY PART 1   CANADA
                ID: Higher Life Expectancy              DATE:  6JUL2005
-------------------------------------------------------------------------------
          POPULATION           LABOUR FORCE        TOTAL  HOUSE    % OF TPOP
     --------------------  -------------------- HOUSE  -HOLD    ------------
YEAR                                                 -HOLDS   SIZE    <15   65+
     TOTAL CHANGE GROWTH  TOTAL CHANGE GROWTH   ('000)
     ('000) ('000)  (%)   ('000) ('000)  (%)
-------------------------------------------------------------------------------

 2001 31021.  1411.  4.76  16168.  1283.  8.62  11960.   2.59   18.9   12.6
 2006 32486.  1465.  4.72  17755.  1587.  9.82  12885.   2.52   17.3   13.2
 2011 33858.  1372.  4.22  18637.   882.  4.97  13796.   2.45   15.9   14.4
 2016 35182.  1324.  3.91  19129.   492.  2.64  14695.   2.39   15.4   16.6
 2021 36417.  1234.  3.51  19161.    32.   .17  15551.   2.34   15.2   19.0
 2026 37492.  1076.  2.95  19083.   -78.  -.41  16260.   2.31   14.9   21.8
 2031 38336.   843.  2.25  19047.   -36.  -.19  16825.   2.28   14.4   24.3
 2036 38931.   596.  1.55  19087.    40.   .21  17239.   2.26   13.8   25.5
 2041 39311.   380.   .98  19101.    14.   .07  17526.   2.24   13.4   26.3
 2046 39520.   209.   .53  19009.   -92.  -.48  17716.   2.23   13.3   27.1
 2051 39607.    88.   .22  18826.  -183.  -.96  17824.   2.22   13.3   27.8

-------------------------------------------------------------------------------
Note:  TPOP is total population.
Note:  The growth rates show total growth over the preceding 5 years.


PMEDS-D TABLE 2: PROJECTION SUMMARY PART 2   CANADA
                ID: Higher Life Expectancy              DATE:  6JUL2005
-------------------------------------------------------------------------------
          IMMI-   EMI-   CHANGE   NET    BIRTHS  DEATHS  NAT-    RATIO OF TPOP
          GRA-    GRA-     IN     IN-                    URAL        TO--
          TION    TION    NPR    FLOW                    INC-   -------------
YEAR                                                     REASE  P20-64   LF
-------------------------------------------------------------------------------

 2001   253.0   55.2   36.0   233.8   332.6   225.1   107.5    1.62    1.92
 2006   230.0   48.4    .0    181.6   330.2   234.0    96.2    1.59    1.83
 2011   230.0   50.8    .0    179.2   342.0   249.3    92.7    1.58    1.82
 2016   230.0   53.2    .0    176.8   349.4   266.9    82.5    1.60    1.84
 2021   230.0   55.5    .0    174.5   350.2   287.6    62.5    1.65    1.90
 2026   230.0   57.6    .0    172.4   340.9   314.9    26.0    1.72    1.96
 2031   230.0   59.4    .0    170.6   328.6   350.7   -22.1    1.78    2.01
 2036   230.0   60.9    .0    169.1   324.1   392.6   -68.5    1.80    2.04
 2041   230.0   61.9    .0    168.1   326.6   433.8  -107.3    1.81    2.06
 2046   230.0   62.8    .0    167.2   329.4   466.1  -136.7    1.83    2.08
 2051   230.0   63.4    .0    166.6   328.6   484.8  -156.2    1.85    2.10

-------------------------------------------------------------------------------
Note:  NPR is non-permanent residents; TPOP is total population;
       P20-64 is population aged 20 to 64; LF is total labour force.
       All numbers of persons are in thousands.
```

```
PMEDS-D TABLE 3: PROJECTION SUMMARY PART 3  CANADA
                ID: Higher Life Expectancy                    DATE:  6JUL2005
-------------------------------------------------------------------------------
         TOTAL  CRUDE  CRUDE   NAT-     LIFE EXPECTANCY AT --      LF     LF
         FERT-  BIRTH  DEATH   URAL    -------------------------  PART    %
  YEAR   ILITY  RATE   RATE    INC-      AGE 0        AGE 65      RATE  FEMALE
         RATE                  REASE    M      F      M      F
-------------------------------------------------------------------------------

  2001   1.53   10.8   7.3     3.5    76.9   81.9   16.7   20.4   66.0   46.0
  2006   1.50   10.2   7.2     3.0    78.4   82.7   17.5   20.8   67.8   46.7
  2011   1.50   10.1   7.4     2.7    79.7   83.4   18.1   21.3   67.3   46.9
  2016   1.50   10.0   7.6     2.4    80.6   84.0   18.7   21.7   66.1   46.9
  2021   1.50    9.6   7.9     1.7    81.4   84.7   19.1   22.1   63.9   46.7
  2026   1.50    9.1   8.4      .7    82.1   85.3   19.5   22.6   61.7   46.6
  2031   1.50    8.6   9.2     -.6    82.6   85.9   19.8   23.0   60.0   46.6
  2036   1.50    8.3  10.1    -1.8    83.1   86.4   20.2   23.4   58.9   46.6
  2041   1.50    8.3  11.0    -2.7    83.5   86.9   20.5   23.7   58.2   46.6
  2046   1.50    8.3  11.8    -3.5    83.9   87.4   20.7   24.1   57.5   46.6
  2051   1.50    8.3  12.2    -3.9    84.3   87.8   21.0   24.4   56.9   46.5

-------------------------------------------------------------------------------
Note:  LF is total labour force.


PMEDS-D TABLE 4: PROJECTION SUMMARY PART 4  CANADA
                ID: Higher Life Expectancy                    DATE:  6JUL2005
-------------------------------------------------------------------------------
            MEDIAN AGE OF POPULATION          MEDIAN AGE OF LF        U
  YEAR   -----------------------------------  --------------------   RATE
         TOTAL   MALE   FEMALE   AGE    AGE   TOTAL   MALE   FEMALE   (%)
                                 20-64   65+
-------------------------------------------------------------------------------

  2001    37.2   36.3   38.0    40.9   73.9   39.1   39.3   38.8    7.2
  2006    38.9   37.9   39.8    42.3   74.4   40.5   40.7   40.2    7.2
  2011    40.3   39.4   41.2    43.0   73.9   41.0   41.3   40.7    7.2
  2016    41.4   40.6   42.3    43.1   73.2   41.2   41.5   40.9    7.2
  2021    42.6   41.9   43.4    43.1   73.3   41.4   41.8   41.0    7.2
  2026    43.9   43.2   44.7    43.3   73.7   41.7   42.1   41.2    7.2
  2031    45.1   44.4   45.9    43.4   74.4   41.9   42.4   41.5    7.2
  2036    46.2   45.4   47.0    43.8   75.5   42.3   42.8   41.9    7.2
  2041    47.1   46.3   48.0    44.2   76.5   42.5   43.0   42.0    7.2
  2046    47.7   46.7   48.7    44.0   76.7   42.4   42.9   41.8    7.2
  2051    47.8   46.8   48.9    43.8   76.5   42.2   42.7   41.6    7.2

-------------------------------------------------------------------------------
Note:  LF is total labour force; U RATE is total unemployment rate.
```

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```
MEDS-E TABLE 1:   MAJOR DEMOGRAPHIC AND ECONOMIC AGGREGATES
                  ID:   Higher Life Expectancy            DATE:   6JUL2005
-----------------------------------------------------------------------------
                                      Gross            Fixed    Gov't   Fixed
           Popula-   Labour   Employ  Domestic Consump Invest  Current Capital
           tion      Force    -ment   Product  -tion   -ment   Expend.  Stock
   YEAR    POPTOT    LFTOT     ETOT     GDP     CONSUM   ITOT     GOVC    KTOT
-----------------------------------------------------------------------------
                                  - levels -

   2001    31021.    16168.   15004.   1036.0   550.2   206.3   193.9  2744.3
   2006    32486.    17755.   16477.   1209.8   655.6   275.2   232.2  3284.5
   2011    33858.    18637.   17295.   1404.1   760.9   324.9   269.5  4002.3
   2016    35182.    19129.   17752.   1590.6   862.0   373.4   305.3  4792.6
   2021    36417.    19161.   17782.   1754.9   951.1   417.5   336.8  5634.5
   2026    37492.    19083.   17709.   1906.5  1033.2   458.7   365.9  6503.6
   2031    38336.    19047.   17676.   2042.5  1106.9   496.3   392.0  7384.1
   2036    38931.    19087.   17713.   2178.8  1180.8   533.3   418.2  8267.2
   2041    39311.    19101.   17726.   2309.6  1251.7   568.7   443.3  9150.8
   2046    39520.    19009.   17641.   2431.4  1317.7   601.9   466.7 10028.7
   2051    39607.    18826.   17471.   2544.8  1379.1   633.0   488.4 10893.7

-----------------------------------------------------------------------------
Note:   Numbers of persons are in thousands; income/expenditure figures
        are in billions of 1997 dollars.


MEDS-E TABLE 2:   MAJOR DEMOGRAPHIC AND ECONOMIC AGGREGATES
                  ID:   Higher Life Expectancy            DATE:   6JUL2005
-----------------------------------------------------------------------------
                                      Gross            Fixed    Gov't   Fixed
           Popula-   Labour   Employ  Domestic Consump Invest  Current Capital
           tion      Force    -ment   Product  -tion   -ment   Expend.  Stock
   YEAR    POPTOT    LFTOT     ETOT     GDP     CONSUM   ITOT     GOVC    KTOT
-----------------------------------------------------------------------------
                            - percentage growth rates -

   2006      4.7       9.8      9.8     16.8    19.2    33.4    19.8    19.7
   2011      4.2       5.0      5.0     16.1    16.1    18.1    16.1    21.9
   2016      3.9       2.6      2.6     13.3    13.3    14.9    13.3    19.7
   2021      3.5        .2       .2     10.3    10.3    11.8    10.3    17.6
   2026      3.0      -.4      -.4      8.6     8.6     9.9     8.6    15.4
   2031      2.2      -.2      -.2      7.1     7.1     8.2     7.1    13.5
   2036      1.6       .2       .2      6.7     6.7     7.4     6.7    12.0
   2041      1.0       .1       .1      6.0     6.0     6.6     6.0    10.7
   2046       .5      -.5      -.5      5.3     5.3     5.8     5.3     9.6
   2051       .2     -1.0     -1.0      4.7     4.7     5.2     4.7     8.6

-----------------------------------------------------------------------------
Note:   The growth rates show total growth over the preceding 5 years.
```

```
MEDS-E TABLE 3:   RATIOS OF AGGREGATE VARIABLES
                  ID:  Higher Life Expectancy               DATE:  6JUL2005
------------------------------------------------------------------------------
        GDP/POPTOT           Percent of GDP--            URATE    KTOT
      ---------------   ------------------------------   (%)      ----
Year                                                              
      index % growth   CONSUM   ITOT    GOVC   TRADEBAL           GDP
------------------------------------------------------------------------------

2001  100.0       .     53.1    19.9    18.7     5.8      7.2     2.6
2006  111.5     11.5    54.2    22.7    19.2      .0      7.2     2.7
2011  124.2     11.4    54.2    23.1    19.2      .0      7.2     2.9
2016  135.4      9.0    54.2    23.5    19.2      .0      7.2     3.0
2021  144.3      6.6    54.2    23.8    19.2      .0      7.2     3.2
2026  152.3      5.5    54.2    24.1    19.2      .0      7.2     3.4
2031  159.5      4.8    54.2    24.3    19.2      .0      7.2     3.6
2036  167.6      5.0    54.2    24.5    19.2      .0      7.2     3.8
2041  175.9      5.0    54.2    24.6    19.2      .0      7.2     4.0
2046  184.2      4.7    54.2    24.8    19.2      .0      7.2     4.1
2051  192.4      4.4    54.2    24.9    19.2      .0      7.2     4.3

------------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.


MEDS-E TABLE 4:   PRODUCTIVITY MEASURES
                  ID:  Higher Life Expectancy               DATE:  6JUL2005
------------------------------------------------------------------------------
        GDP/ETOT            GDP/KTOT            KTOT/ETOT
      ---------------     ---------------     ---------------
Year                                                         
      index   % growth    index   % growth    index   % growth
------------------------------------------------------------------------------

2001  100.0       .       100.0       .       100.0       .
2006  106.3      6.3       97.6     -2.4      109.0      9.0
2011  117.6     10.6       92.9     -4.8      126.5     16.1
2016  129.8     10.4       87.9     -5.4      147.6     16.7
2021  142.9     10.2       82.5     -6.2      173.2     17.4
2026  155.9      9.1       77.7     -5.9      200.8     15.9
2031  167.4      7.3       73.3     -5.6      228.4     13.8
2036  178.2      6.4       69.8     -4.7      255.2     11.7
2041  188.7      5.9       66.9     -4.2      282.2     10.6
2046  199.6      5.8       64.2     -3.9      310.8     10.1
2051  211.0      5.7       61.9     -3.6      340.9      9.7

------------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.
```

```
MEDS-E TABLE 10:  PROJECTED EDUCATION OF POPULATION                  BOTH SEXES
                  ID:  Higher Life Expectancy            DATE:  6JUL2005
-------------------------------------------------------------------------------
                        15+                                20-24
 YEAR   ---------------------------------   ---------------------------------
        E1   E2   E3   E4   E5   E6   E7     E1   E2   E3   E4   E5   E6   E7
-------------------------------------------------------------------------------
          - percentage distribution -          - percentage distribution -

 2001   9.9 17.5 19.4  9.1 28.2 10.8  5.1    1.9 11.1 23.7 25.4 28.8  8.1  1.1
 2006   7.6 16.2 18.9  9.5 29.3 12.2  6.2    1.6 11.5 22.1 27.6 28.0  8.1  1.1
 2011   5.9 14.8 18.2 10.0 30.4 13.7  7.1    1.5 11.5 21.0 29.1 27.6  8.1  1.2
 2016   4.4 13.1 17.7 10.4 31.3 15.1  7.9    1.6 11.4 19.9 30.5 27.2  8.1  1.3
 2021   3.4 11.8 17.0 10.8 32.1 16.3  8.5    1.7 11.4 18.8 31.9 26.7  8.1  1.4
 2026   2.6 11.1 16.5 11.4 32.6 17.0  8.8    1.8 11.3 17.7 33.4 26.2  8.1  1.5
 2031   2.3 10.5 15.6 12.0 33.0 17.6  9.1    1.9 11.2 16.7 34.8 25.8  8.1  1.6
 2036   2.0  9.6 14.4 12.7 33.3 18.6  9.3    1.9 11.1 15.7 36.2 25.3  8.1  1.7
 2041   1.7  8.7 12.9 13.5 33.5 19.8  9.8    2.0 11.0 14.7 37.6 24.8  8.1  1.8
 2046   1.6  7.6 11.5 14.2 34.2 20.6 10.3    2.1 10.6 13.8 39.1 24.5  8.1  1.9
 2051   1.5  6.9 11.0 15.3 34.0 20.8 10.6    2.2 10.3 12.9 40.5 24.1  8.1  2.0


-------------------------------------------------------------------------------
Note:  E1 refers to grade 8 or lower, E2 to some secondary, E3 to secondary
       school graduation, E4 to some post-secondary, E5 to post-secondary
       certificate or diploma, E6 to completed bachelor's degree, and E7
       to university degree or certificate above bachelor's.
```

```
PMEDS-D TABLE 1: PROJECTION SUMMARY PART 1   CANADA
                ID: Lower Life Expectancy              DATE:  6JUL2005
-----------------------------------------------------------------------------
          POPULATION          LABOUR FORCE       TOTAL  HOUSE    % OF TPOP
     YEAR --------------------  -------------------  HOUSE  -HOLD   ------------
          TOTAL CHANGE GROWTH  TOTAL CHANGE GROWTH  -HOLDS  SIZE    <15    65+
          ('000) ('000)  (%)   ('000) ('000)  (%)   ('000)
-----------------------------------------------------------------------------

     2001 31021.  1411.  4.76  16168.  1283.  8.62  11960.  2.59   18.9   12.6
     2006 32484.  1463.  4.71  17754.  1586.  9.81  12884.  2.52   17.3   13.2
     2011 33842.  1358.  4.18  18633.   879.  4.95  13787.  2.45   15.9   14.4
     2016 35132.  1290.  3.81  19118.   485.  2.60  14665.  2.40   15.4   16.5
     2021 36303.  1171.  3.33  19138.    20.   .10  15481.  2.34   15.2   18.9
     2026 37276.   972.  2.68  19044.   -94.  -.49  16125.  2.31   14.9   21.5
     2031 37966.   691.  1.85  18988.   -56.  -.29  16596.  2.29   14.5   23.7
     2036 38367.   401.  1.06  19006.    17.   .09  16888.  2.27   14.0   24.6
     2041 38526.   159.   .41  18995.   -10.  -.05  17039.  2.26   13.7   25.1
     2046 38509.   -17.  -.04  18880.  -115.  -.61  17090.  2.25   13.6   25.5
     2051 38385.  -125.  -.32  18677.  -203. -1.08  17067.  2.25   13.7   25.9

-----------------------------------------------------------------------------
Note:  TPOP is total population.
Note:  The growth rates show total growth over the preceding 5 years.


PMEDS-D TABLE 2: PROJECTION SUMMARY PART 2   CANADA
                ID: Lower Life Expectancy              DATE:  6JUL2005
-----------------------------------------------------------------------------
          IMMI-   EMI-   CHANGE   NET    BIRTHS  DEATHS  NAT-    RATIO OF TPOP
          GRA-    GRA-     IN     IN-                    URAL        TO--
          TION    TION    NPR    FLOW                   INC-    -------------
     YEAR                                               REASE   P20-64    LF
-----------------------------------------------------------------------------

     2001  253.0   55.2   36.0   233.8   332.6   225.1   107.5   1.62    1.92
     2006  230.0   48.4     .0   181.6   330.2   235.1    95.1   1.59    1.83
     2011  230.0   50.8     .0   179.2   342.0   253.4    88.6   1.58    1.82
     2016  230.0   53.2     .0   176.8   349.3   275.7    73.6   1.60    1.84
     2021  230.0   55.4     .0   174.6   350.1   303.2    46.9   1.65    1.90
     2026  230.0   57.3     .0   172.7   340.8   339.6     1.2   1.71    1.96
     2031  230.0   58.9     .0   171.1   328.4   385.3   -56.9   1.77    2.00
     2036  230.0   60.0     .0   170.0   323.9   434.9  -111.1   1.78    2.02
     2041  230.0   60.8     .0   169.2   326.3   479.9  -153.6   1.78    2.03
     2046  230.0   61.2     .0   168.8   329.0   511.8  -182.7   1.79    2.04
     2051  230.0   61.5     .0   168.5   328.1   527.2  -199.1   1.80    2.06

-----------------------------------------------------------------------------
Note:  NPR is non-permanent residents; TPOP is total population;
       P20-64 is population aged 20 to 64; LF is total labour force.
       All numbers of persons are in thousands.
```

```
PMEDS-D TABLE 3: PROJECTION SUMMARY PART 3   CANADA
              ID: Lower Life Expectancy                    DATE:  6JUL2005
--------------------------------------------------------------------------------
        TOTAL  CRUDE  CRUDE   NAT-     LIFE EXPECTANCY AT --        LF    LF
        FERT-  BIRTH  DEATH   URAL    -------------------------    PART    %
 YEAR   ILITY  RATE   RATE    INC-      AGE 0         AGE 65       RATE  FEMALE
        RATE                  REASE    M      F      M      F
--------------------------------------------------------------------------------

 2001   1.53   10.8    7.3    3.5    76.9   81.9   16.7   20.4    66.0   46.0
 2006   1.50   10.2    7.3    2.9    78.4   82.6   17.4   20.8    67.8   46.7
 2011   1.50   10.1    7.5    2.6    79.4   83.1   18.0   21.1    67.3   46.9
 2016   1.50   10.0    7.9    2.1    80.1   83.5   18.4   21.4    66.1   46.9
 2021   1.50    9.7    8.4    1.3    80.6   83.8   18.6   21.5    64.0   46.7
 2026   1.50    9.2    9.1     .0    80.8   84.0   18.8   21.7    62.0   46.7
 2031   1.50    8.7   10.2   -1.5    80.9   84.1   18.8   21.7    60.4   46.7
 2036   1.50    8.4   11.3   -2.9    81.0   84.2   18.9   21.8    59.6   46.7
 2041   1.50    8.5   12.5   -4.0    81.1   84.2   18.9   21.8    59.1   46.7
 2046   1.50    8.5   13.3   -4.7    81.1   84.3   18.9   21.9    58.8   46.7
 2051   1.50    8.5   13.7   -5.2    81.1   84.3   18.9   21.9    58.4   46.6

--------------------------------------------------------------------------------
Note:  LF is total labour force.


PMEDS-D TABLE 4: PROJECTION SUMMARY PART 4   CANADA
              ID: Lower Life Expectancy                    DATE:  6JUL2005
--------------------------------------------------------------------------------
            MEDIAN AGE OF POPULATION           MEDIAN AGE OF LF         U
 YEAR   -----------------------------------    --------------------    RATE
        TOTAL   MALE   FEMALE   AGE    AGE      TOTAL   MALE  FEMALE    (%)
                                20-64  65+
--------------------------------------------------------------------------------

 2001    37.2   36.3    38.0   40.9   73.9     39.1   39.3   38.8     7.2
 2006    38.9   37.9    39.8   42.3   74.4     40.5   40.7   40.2     7.2
 2011    40.3   39.4    41.2   43.0   73.9     41.0   41.3   40.7     7.2
 2016    41.4   40.6    42.3   43.1   73.2     41.2   41.5   40.9     7.2
 2021    42.5   41.8    43.3   43.1   73.3     41.4   41.8   41.0     7.2
 2026    43.7   43.0    44.5   43.3   73.6     41.6   42.1   41.2     7.2
 2031    44.8   44.0    45.6   43.3   74.2     41.9   42.3   41.4     7.2
 2036    45.7   44.9    46.5   43.8   75.2     42.3   42.7   41.8     7.2
 2041    46.4   45.6    47.3   44.1   76.1     42.4   42.9   41.9     7.2
 2046    46.7   45.8    47.7   43.9   76.1     42.2   42.7   41.7     7.2
 2051    46.6   45.6    47.6   43.7   75.7     42.0   42.5   41.6     7.2

--------------------------------------------------------------------------------
Note:  LF is total labour force; U RATE is total unemployment rate.
```

```
MEDS-E TABLE 1:   MAJOR DEMOGRAPHIC AND ECONOMIC AGGREGATES
                  ID:   Lower Life Expectancy                 DATE:   6JUL2005
-------------------------------------------------------------------------------
                                       Gross            Fixed   Gov't   Fixed
           Popula-    Labour  Employ  Domestic  Consump  Invest Current Capital
           tion       Force   -ment   Product   -tion    -ment  Expend. Stock
  YEAR     POPTOT     LFTOT   ETOT    GDP       CONSUM   ITOT    GOVC    KTOT
-------------------------------------------------------------------------------
                                    - levels -

  2001     31021.     16168.  15004.  1036.0    550.2    206.3   193.9   2744.3
  2006     32484.     17754.  16476.  1209.7    655.6    275.1   232.2   3284.5
  2011     33842.     18633.  17292.  1403.8    760.8    324.9   269.4   4002.2
  2016     35132.     19118.  17742.  1589.8    861.6    373.2   305.1   4792.2
  2021     36303.     19138.  17760.  1753.2    950.2    417.2   336.5   5633.2
  2026     37276.     19044.  17673.  1903.4   1031.5    458.1   365.3   6500.5
  2031     37966.     18988.  17621.  2037.5   1104.2    495.3   391.1   7378.0
  2036     38367.     19006.  17637.  2171.4   1176.8    531.7   416.8   8256.7
  2041     38526.     18995.  17628.  2299.3   1246.1    566.4   441.3   9134.0
  2046     38510.     18880.  17521.  2418.1   1310.4    598.9   464.1  10003.9
  2051     38385.     18677.  17332.  2528.4   1370.2    629.2   485.3  10859.2


-------------------------------------------------------------------------------
Note:   Numbers of persons are in thousands; income/expenditure figures
        are in billions of 1997 dollars.


MEDS-E TABLE 2:   MAJOR DEMOGRAPHIC AND ECONOMIC AGGREGATES
                  ID:   Lower Life Expectancy                 DATE:   6JUL2005
-------------------------------------------------------------------------------
                                       Gross            Fixed   Gov't   Fixed
           Popula-    Labour  Employ  Domestic  Consump  Invest Current Capital
           tion       Force   -ment   Product   -tion    -ment  Expend. Stock
  YEAR     POPTOT     LFTOT   ETOT    GDP       CONSUM   ITOT    GOVC    KTOT
-------------------------------------------------------------------------------
                              - percentage growth rates -

  2006        4.7        9.8     9.8    16.8     19.2     33.4    19.8    19.7
  2011        4.2        5.0     5.0    16.0     16.0     18.1    16.0    21.8
  2016        3.8        2.6     2.6    13.2     13.2     14.9    13.2    19.7
  2021        3.3         .1      .1    10.3     10.3     11.8    10.3    17.5
  2026        2.7       -.5     -.5      8.6      8.6      9.8     8.6    15.4
  2031        1.9       -.3     -.3      7.0      7.0      8.1     7.0    13.5
  2036        1.1         .1      .1     6.6      6.6      7.4     6.6    11.9
  2041         .4       -.1     -.1      5.9      5.9      6.5     5.9    10.6
  2046         .0       -.6     -.6      5.2      5.2      5.7     5.2     9.5
  2051        -.3      -1.1    -1.1      4.6      4.6      5.1     4.6     8.5


-------------------------------------------------------------------------------
Note:   The growth rates show total growth over the preceding 5 years.
```

```
MEDS-E TABLE 3:   RATIOS OF AGGREGATE VARIABLES
                  ID:   Lower Life Expectancy              DATE:  6JUL2005
------------------------------------------------------------------------------
          GDP/POPTOT           Percent of GDP--            URATE    KTOT
        ---------------   ------------------------------    (%)     ----
Year                                                                GDP
        index % growth   CONSUM   ITOT    GOVC   TRADEBAL
------------------------------------------------------------------------------

2001    100.0      .      53.1    19.9    18.7     5.8      7.2     2.6
2006    111.5    11.5     54.2    22.7    19.2      .0      7.2     2.7
2011    124.2    11.4     54.2    23.1    19.2      .0      7.2     2.9
2016    135.5     9.1     54.2    23.5    19.2      .0      7.2     3.0
2021    144.6     6.7     54.2    23.8    19.2      .0      7.2     3.2
2026    152.9     5.7     54.2    24.1    19.2      .0      7.2     3.4
2031    160.7     5.1     54.2    24.3    19.2      .0      7.2     3.6
2036    169.5     5.5     54.2    24.5    19.2      .0      7.2     3.8
2041    178.7     5.5     54.2    24.6    19.2      .0      7.2     4.0
2046    188.0     5.2     54.2    24.8    19.2      .0      7.2     4.1
2051    197.2     4.9     54.2    24.9    19.2      .0      7.2     4.3


------------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.


MEDS-E TABLE 4:   PRODUCTIVITY MEASURES
                  ID:   Lower Life Expectancy              DATE:  6JUL2005
------------------------------------------------------------------------------
          GDP/ETOT           GDP/KTOT              KTOT/ETOT
        ---------------    ---------------       ---------------
Year
        index   % growth   index   % growth      index   % growth
------------------------------------------------------------------------------

2001    100.0      .       100.0      .          100.0      .
2006    106.3     6.3       97.6     -2.4        109.0     9.0
2011    117.6    10.6       92.9     -4.8        126.5    16.1
2016    129.8    10.4       87.9     -5.4        147.7    16.7
2021    143.0    10.2       82.4     -6.2        173.4    17.4
2026    156.0     9.1       77.6     -5.9        201.1    16.0
2031    167.5     7.4       73.2     -5.7        228.9    13.8
2036    178.3     6.5       69.7     -4.8        255.9    11.8
2041    188.9     5.9       66.7     -4.3        283.3    10.7
2046    199.9     5.8       64.0     -4.0        312.2    10.2
2051    211.3     5.7       61.7     -3.7        342.5     9.7


------------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.
```

```
MEDS-E TABLE 10:   PROJECTED EDUCATION OF POPULATION              BOTH SEXES
                   ID:   Lower Life Expectancy              DATE:  6JUL2005
---------------------------------------------------------------------------
                      15+                                20-24
   YEAR    -----------------------------------  -----------------------------------
           E1    E2    E3    E4    E5    E6    E7    E1    E2    E3    E4    E5    E6    E7
---------------------------------------------------------------------------
            - percentage distribution -           - percentage distribution -

   2001    9.9 17.5 19.4  9.1 28.2 10.8  5.1   1.9 11.1 23.7 25.4 28.8  8.1  1.1
   2006    7.6 16.2 18.9  9.5 29.3 12.2  6.2   1.6 11.5 22.1 27.6 28.0  8.1  1.1
   2011    5.9 14.8 18.2 10.0 30.4 13.7  7.1   1.5 11.5 21.0 29.1 27.6  8.1  1.2
   2016    4.4 13.1 17.7 10.4 31.3 15.1  7.9   1.6 11.4 19.9 30.5 27.2  8.1  1.3
   2021    3.4 11.8 17.0 10.8 32.1 16.4  8.5   1.7 11.4 18.8 31.9 26.7  8.1  1.4
   2026    2.6 11.1 16.4 11.4 32.6 17.1  8.9   1.8 11.3 17.7 33.4 26.2  8.1  1.5
   2031    2.3 10.5 15.5 12.0 32.9 17.7  9.1   1.9 11.2 16.7 34.8 25.8  8.1  1.6
   2036    2.0  9.6 14.3 12.8 33.3 18.6  9.4   1.9 11.1 15.7 36.2 25.3  8.1  1.7
   2041    1.7  8.7 12.8 13.7 33.4 19.8  9.9   2.0 11.0 14.7 37.6 24.8  8.1  1.8
   2046    1.6  7.7 11.4 14.4 34.0 20.6 10.4   2.1 10.6 13.8 39.1 24.5  8.1  1.9
   2051    1.5  7.0 10.8 15.5 33.7 20.8 10.6   2.2 10.3 12.9 40.5 24.1  8.1  2.0


---------------------------------------------------------------------------
Note:  E1 refers to grade 8 or lower, E2 to some secondary, E3 to secondary
       school graduation, E4 to some post-secondary, E5 to post-secondary
       certificate or diploma, E6 to completed bachelor's degree, and E7
       to university degree or certificate above bachelor's.
```

```
PMEDS-D TABLE 1: PROJECTION SUMMARY PART 1   CANADA
               ID: Rapid Population Growth            DATE:  7JUL2005
------------------------------------------------------------------------------
         POPULATION            LABOUR FORCE        TOTAL  HOUSE   % OF TPOP
  YEAR -------------------   -------------------   HOUSE  -HOLD   -----------
       TOTAL CHANGE GROWTH   TOTAL CHANGE GROWTH   -HOLDS  SIZE   <15    65+
       ('000) ('000)  (%)    ('000) ('000)  (%)    ('000)
------------------------------------------------------------------------------

  2001 31021.  1411.  4.76   16168.  1283.  8.62   11960.  2.59   18.9   12.6
  2006 32642.  1621.  5.22   17785.  1617. 10.00   12906.  2.53   17.6   13.2
  2011 34717.  2076.  6.36   18822.  1037.  5.83   13926.  2.49   17.3   14.1
  2016 37014.  2297.  6.62   19479.   656.  3.49   14952.  2.48   18.4   15.8
  2021 39250.  2236.  6.04   19735.   256.  1.32   15943.  2.46   19.3   17.7
  2026 41335.  2085.  5.31   20090.   355.  1.80   16794.  2.46   19.3   19.9
  2031 43226.  1892.  4.58   20710.   620.  3.09   17552.  2.46   18.5   21.7
  2036 45012.  1786.  4.13   21496.   786.  3.79   18310.  2.46   18.0   22.4
  2041 46802.  1790.  3.98   22267.   771.  3.59   19070.  2.45   18.0   22.5
  2046 48597.  1795.  3.84   22936.   669.  3.01   19780.  2.46   18.5   22.6
  2051 50349.  1753.  3.61   23588.   652.  2.84   20435.  2.46   19.0   22.7

------------------------------------------------------------------------------
Note:  TPOP is total population.
Note:  The growth rates show total growth over the preceding 5 years.


PMEDS-D TABLE 2: PROJECTION SUMMARY PART 2   CANADA
               ID: Rapid Population Growth            DATE:  7JUL2005
------------------------------------------------------------------------------
         IMMI-  EMI-  CHANGE   NET    BIRTHS DEATHS  NAT-    RATIO OF TPOP
         GRA-   GRA-    IN     IN-                   URAL        TO--
         TION   TION   NPR     FLOW                  INC-    -------------
  YEAR                                               REASE   P20-64    LF
------------------------------------------------------------------------------

  2001   253.0  55.2   36.0   233.8  332.6  225.1   107.5    1.62    1.92
  2006   280.0  48.5    .0    231.5  376.8  234.2   142.6    1.59    1.84
  2011   280.0  51.9    .0    228.1  464.7  250.0   214.7    1.61    1.84
  2016   280.0  55.7    .0    224.3  501.4  268.1   233.3    1.66    1.90
  2021   280.0  59.6    .0    220.4  507.0  289.3   217.7    1.73    1.99
  2026   280.0  63.3    .0    216.7  501.8  317.3   184.5    1.82    2.06
  2031   280.0  66.7    .0    213.3  506.4  354.1   152.3    1.87    2.09
  2036   280.0  70.0    .0    210.0  542.6  397.3   145.2    1.87    2.09
  2041   280.0  73.3    .0    206.7  593.5  440.3   153.3    1.87    2.10
  2046   280.0  76.7    .0    203.3  628.3  474.7   153.6    1.89    2.12
  2051   280.0  80.0    .0    200.0  642.4  496.2   146.2    1.90    2.13

------------------------------------------------------------------------------
Note:  NPR is non-permanent residents; TPOP is total population;
       P20-64 is population aged 20 to 64; LF is total labour force.
       All numbers of persons are in thousands.
```

```
PMEDS-D TABLE 3: PROJECTION SUMMARY PART 3   CANADA
                ID: Rapid Population Growth              DATE:  7JUL2005
------------------------------------------------------------------------------
        TOTAL  CRUDE  CRUDE   NAT-     LIFE EXPECTANCY AT --      LF    LF
        FERT-  BIRTH  DEATH   URAL    -------------------------  PART   %
YEAR    ILITY  RATE   RATE    INC-      AGE 0        AGE 65      RATE FEMALE
        RATE                  REASE    M      F      M      F
------------------------------------------------------------------------------

2001    1.53   10.8   7.3     3.5    76.9   81.9   16.7   20.4   66.0   46.0
2006    1.74   11.6   7.2     4.4    78.4   82.7   17.5   20.8   67.9   46.7
2011    2.04   13.5   7.2     6.2    79.7   83.4   18.1   21.3   67.4   46.9
2016    2.10   13.6   7.3     6.3    80.6   84.0   18.7   21.7   66.3   47.0
2021    2.10   13.0   7.4     5.6    81.4   84.7   19.1   22.1   64.2   46.8
2026    2.10   12.2   7.7     4.5    82.1   85.3   19.5   22.6   62.1   46.7
2031    2.10   11.8   8.2     3.5    82.6   85.9   19.8   23.0   60.7   46.8
2036    2.10   12.1   8.9     3.2    83.1   86.4   20.2   23.4   60.2   46.8
2041    2.10   12.7   9.4     3.3    83.5   86.9   20.5   23.7   60.1   46.8
2046    2.10   13.0   9.8     3.2    83.9   87.4   20.7   24.1   60.0   46.7
2051    2.10   12.8   9.9     2.9    84.3   87.8   21.0   24.4   59.9   46.7


------------------------------------------------------------------------------
Note:  LF is total labour force.


PMEDS-D TABLE 4: PROJECTION SUMMARY PART 4   CANADA
                ID: Rapid Population Growth              DATE:  7JUL2005
------------------------------------------------------------------------------
           MEDIAN AGE OF POPULATION         MEDIAN AGE OF LF        U
YEAR    ---------------------------------  --------------------    RATE
        TOTAL   MALE  FEMALE   AGE    AGE  TOTAL   MALE  FEMALE     (%)
                               20-64  65+
------------------------------------------------------------------------------

2001    37.2   36.3   38.0    40.9   73.9  39.1   39.3   38.8      7.2
2006    38.7   37.8   39.7    42.3   74.4  40.5   40.7   40.2      7.2
2011    39.5   38.6   40.4    42.9   73.9  40.9   41.2   40.6      7.2
2016    39.9   39.1   40.7    42.9   73.2  41.1   41.4   40.7      7.2
2021    40.4   39.7   41.2    43.0   73.3  41.2   41.6   40.8      7.2
2026    41.0   40.3   41.8    43.0   73.7  41.2   41.7   40.7      7.2
2031    41.5   40.7   42.3    42.8   74.3  41.0   41.4   40.5      7.2
2036    41.8   40.9   42.7    42.6   75.4  40.8   41.2   40.3      7.2
2041    41.4   40.4   42.5    42.1   76.4  40.2   40.6   39.6      7.2
2046    40.6   39.5   41.6    41.3   76.5  39.5   39.9   39.0      7.2
2051    40.3   39.3   41.3    41.1   76.3  39.5   39.9   39.1      7.2


------------------------------------------------------------------------------
Note:  LF is total labour force; U RATE is total unemployment rate.
```

```
MEDS-E TABLE 1:   MAJOR DEMOGRAPHIC AND ECONOMIC AGGREGATES
                  ID:  Rapid Population Growth          DATE:  7JUL2005
-----------------------------------------------------------------------------
                                       Gross          Fixed   Gov't   Fixed
            Popula-  Labour   Employ  Domestic Consump Invest Current Capital
            tion     Force    -ment   Product  -tion   -ment  Expend. Stock
    YEAR    POPTOT   LFTOT    ETOT    GDP      CONSUM  ITOT   GOVC    KTOT
-----------------------------------------------------------------------------
                                   - levels -

    2001    31021.   16168.   15004.  1036.0   550.2   206.3  193.9   2744.3
    2006    32642.   17785.   16504.  1211.3   656.5   275.4  232.5   3284.5
    2011    34717.   18822.   17467.  1415.2   767.0   327.1  271.6   4006.9
    2016    37014.   19479.   18076.  1614.4   874.9   378.2  309.9   4810.8
    2021    39250.   19735.   18314.  1795.5   973.0   426.0  344.6   5677.1
    2026    41335.   20090.   18644.  1971.5  1068.4   472.6  378.4   6584.6
    2031    43226.   20710.   19219.  2145.1  1162.5   518.4  411.7   7524.4
    2036    45012.   21496.   19948.  2337.5  1266.8   567.6  448.6   8498.8
    2041    46802.   22267.   20664.  2545.1  1379.3   620.0  488.5   9518.9
    2046    48597.   22936.   21285.  2762.7  1497.2   674.8  530.2  10590.4
    2051    50349.   23588.   21890.  2989.6  1620.2   732.0  573.8  11714.8

-----------------------------------------------------------------------------
Note:   Numbers of persons are in thousands; income/expenditure figures
        are in billions of 1997 dollars.


MEDS-E TABLE 2:   MAJOR DEMOGRAPHIC AND ECONOMIC AGGREGATES
                  ID:  Rapid Population Growth          DATE:  7JUL2005
-----------------------------------------------------------------------------
                                       Gross          Fixed   Gov't   Fixed
            Popula-  Labour   Employ  Domestic Consump Invest Current Capital
            tion     Force    -ment   Product  -tion   -ment  Expend. Stock
    YEAR    POPTOT   LFTOT    ETOT    GDP      CONSUM  ITOT   GOVC    KTOT
-----------------------------------------------------------------------------
                              - percentage growth rates -

    2006       5.2     10.0     10.0    16.9    19.3    33.5   19.9    19.7
    2011       6.4      5.8      5.8    16.8    16.8    18.8   16.8    22.0
    2016       6.6      3.5      3.5    14.1    14.1    15.6   14.1    20.1
    2021       6.0      1.3      1.3    11.2    11.2    12.6   11.2    18.0
    2026       5.3      1.8      1.8     9.8     9.8    10.9    9.8    16.0
    2031       4.6      3.1      3.1     8.8     8.8     9.7    8.8    14.3
    2036       4.1      3.8      3.8     9.0     9.0     9.5    9.0    12.9
    2041       4.0      3.6      3.6     8.9     8.9     9.2    8.9    12.0
    2046       3.8      3.0      3.0     8.5     8.5     8.8    8.5    11.3
    2051       3.6      2.8      2.8     8.2     8.2     8.5    8.2    10.6

-----------------------------------------------------------------------------
Note:   The growth rates show total growth over the preceding 5 years.
```

```
MEDS-E TABLE 3:  RATIOS OF AGGREGATE VARIABLES
                ID:  Rapid Population Growth          DATE:  7JUL2005
-------------------------------------------------------------------------------
        GDP/POPTOT           Percent of GDP--              URATE   KTOT
Year   ---------------   -------------------------------    (%)    ----
       index % growth   CONSUM   ITOT   GOVC   TRADEBAL             GDP
-------------------------------------------------------------------------------

2001   100.0      .      53.1    19.9   18.7     5.8        7.2     2.6
2006   111.1    11.1     54.2    22.7   19.2      .0        7.2     2.7
2011   122.1     9.8     54.2    23.1   19.2      .0        7.2     2.8
2016   130.6     7.0     54.2    23.4   19.2      .0        7.2     3.0
2021   137.0     4.9     54.2    23.7   19.2      .0        7.2     3.2
2026   142.8     4.3     54.2    24.0   19.2      .0        7.2     3.3
2031   148.6     4.0     54.2    24.2   19.2      .0        7.2     3.5
2036   155.5     4.6     54.2    24.3   19.2      .0        7.2     3.6
2041   162.8     4.7     54.2    24.4   19.2      .0        7.2     3.7
2046   170.2     4.5     54.2    24.4   19.2      .0        7.2     3.8
2051   177.8     4.4     54.2    24.5   19.2      .0        7.2     3.9


-------------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.


MEDS-E TABLE 4:  PRODUCTIVITY MEASURES
                ID:  Rapid Population Growth          DATE:  7JUL2005
-------------------------------------------------------------------------------
        GDP/ETOT            GDP/KTOT             KTOT/ETOT
Year   ---------------    ---------------      ---------------
       index  % growth    index  % growth      index  % growth
-------------------------------------------------------------------------------

2001   100.0      .       100.0      .         100.0      .
2006   106.3     6.3       97.7    -2.3        108.8     8.8
2011   117.3    10.4       93.6    -4.2        125.4    15.3
2016   129.4    10.2       88.9    -5.0        145.5    16.0
2021   142.0     9.8       83.8    -5.8        169.5    16.5
2026   153.2     7.9       79.3    -5.3        193.1    13.9
2031   161.6     5.5       75.5    -4.8        214.0    10.9
2036   169.7     5.0       72.9    -3.5        232.9     8.8
2041   178.4     5.1       70.8    -2.8        251.8     8.1
2046   188.0     5.4       69.1    -2.4        272.0     8.0
2051   197.8     5.2       67.6    -2.2        292.6     7.6


-------------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.
```

```
MEDS-E TABLE 10:   PROJECTED EDUCATION OF POPULATION              BOTH SEXES
                   ID:   Rapid Population Growth              DATE:  7JUL2005
---------------------------------------------------------------------------
                     15+                               20-24
         ---------------------------------   ---------------------------------
  YEAR
          E1   E2   E3   E4   E5   E6   E7    E1   E2   E3   E4   E5   E6   E7
---------------------------------------------------------------------------
          - percentage distribution -          - percentage distribution -

  2001    9.9 17.5 19.4  9.1 28.2 10.8  5.1   1.9 11.1 23.7 25.4 28.8  8.1  1.1
  2006    7.6 16.2 18.8  9.5 29.3 12.2  6.3   1.6 11.6 22.1 27.6 28.0  8.1  1.1
  2011    5.9 14.7 18.2 10.0 30.3 13.8  7.2   1.5 11.6 20.9 29.1 27.5  8.1  1.3
  2016    4.4 13.1 17.6 10.4 31.1 15.3  8.1   1.6 11.6 19.8 30.6 27.0  8.1  1.4
  2021    3.4 12.0 16.8 10.8 31.7 16.5  8.7   1.7 11.5 18.6 32.1 26.4  8.1  1.5
  2026    2.7 11.7 16.2 11.6 31.8 17.1  9.0   1.9 11.5 17.5 33.6 25.9  8.1  1.6
  2031    2.3 11.5 15.2 12.5 31.9 17.5  9.1   1.9 11.4 16.5 35.0 25.4  8.1  1.7
  2036    2.0 10.5 14.0 13.5 32.1 18.4  9.4   2.0 11.3 15.5 36.4 24.9  8.1  1.8
  2041    1.8  9.6 12.5 14.4 32.1 19.7 10.1   2.1 11.1 14.5 37.8 24.5  8.1  1.8
  2046    1.6  8.4 11.0 15.1 32.5 20.6 10.7   2.1 10.7 13.6 39.2 24.2  8.1  1.9
  2051    1.6  7.8 10.4 16.2 32.2 20.8 11.1   2.2 10.3 12.8 40.6 23.9  8.2  2.0


---------------------------------------------------------------------------
Note:  E1 refers to grade 8 or lower, E2 to some secondary, E3 to secondary
       school graduation, E4 to some post-secondary, E5 to post-secondary
       certificate or diploma, E6 to completed bachelor's degree, and E7
       to university degree or certificate above bachelor's.
```

```
PMEDS-D TABLE 1: PROJECTION SUMMARY PART 1   CANADA
                ID: Slow Population Growth              DATE:  7JUL2005
-------------------------------------------------------------------------------
          POPULATION            LABOUR FORCE      TOTAL  HOUSE    % OF TPOP
   YEAR --------------------  -------------------  HOUSE  -HOLD   ------------
        TOTAL CHANGE GROWTH  TOTAL CHANGE GROWTH  -HOLDS  SIZE    <15    65+
        ('000) ('000)  (%)   ('000) ('000)  (%)   ('000)
-------------------------------------------------------------------------------

   2001 31021.  1411.  4.76  16168.  1283.  8.62  11960.  2.59   18.9   12.6
   2006 32381.  1359.  4.38  17725.  1557.  9.63  12865.  2.52   17.1   13.3
   2011 33259.   878.  2.71  18448.   723.  4.08  13669.  2.43   15.2   14.6
   2016 33936.   677.  2.04  18766.   318.  1.73  14434.  2.35   13.8   17.0
   2021 34480.   544.  1.60  18586.  -180.  -.96  15130.  2.28   12.9   19.8
   2026 34824.   344.  1.00  18186.  -399. -2.15  15646.  2.23   12.4   22.9
   2031 34882.    58.   .17  17719.  -468. -2.57  15960.  2.19   12.0   25.6
   2036 34617.  -265.  -.76  17290.  -428. -2.42  16021.  2.16   11.5   27.0
   2041 34053.  -564. -1.63  16842.  -448. -2.59  15878.  2.14   11.0   27.8
   2046 33271.  -782. -2.30  16305.  -537. -3.19  15616.  2.13   10.7   28.7
   2051 32376.  -896. -2.69  15673.  -631. -3.87  15274.  2.12   10.5   29.6

-------------------------------------------------------------------------------
Note:  TPOP is total population.
Note:  The growth rates show total growth over the preceding 5 years.


PMEDS-D TABLE 2: PROJECTION SUMMARY PART 2   CANADA
                ID: Slow Population Growth              DATE:  7JUL2005
-------------------------------------------------------------------------------
          IMMI-   EMI-  CHANGE   NET   BIRTHS  DEATHS  NAT-    RATIO OF TPOP
          GRA-    GRA-    IN    IN-                    URAL       TO--
          TION    TION   NPR    FLOW                  INC-    -------------
   YEAR                                               REASE   P20-64    LF
-------------------------------------------------------------------------------

   2001   253.0   55.2   36.0   233.8  332.6   225.1   107.5    1.62   1.92
   2006   180.0   48.3    .0    131.7  306.7   235.0    71.7    1.59   1.83
   2011   180.0   50.1    .0    129.9  279.5   252.8    26.7    1.57   1.80
   2016   180.0   51.5    .0    128.5  272.0   274.6    -2.6    1.57   1.81
   2021   180.0   52.8    .0    127.2  270.1   301.5   -31.4    1.61   1.86
   2026   180.0   53.8    .0    126.2  259.0   336.9   -77.9    1.66   1.91
   2031   180.0   54.3    .0    125.7  241.7   381.4  -139.7    1.72   1.97
   2036   180.0   54.4    .0    125.6  225.3   429.3  -204.1    1.75   2.00
   2041   180.0   54.0    .0    126.0  212.6   472.0  -259.4    1.76   2.02
   2046   180.0   53.1    .0    126.9  205.5   501.0  -295.4    1.78   2.04
   2051   180.0   52.1    .0    127.9  200.9   512.6  -311.7    1.79   2.07

-------------------------------------------------------------------------------
Note:  NPR is non-permanent residents; TPOP is total population;
       P20-64 is population aged 20 to 64; LF is total labour force.
       All numbers of persons are in thousands.
```

```
PMEDS-D TABLE 3: PROJECTION SUMMARY PART 3   CANADA
              ID: Slow Population Growth                 DATE:  7JUL2005
--------------------------------------------------------------------------------
         TOTAL  CRUDE  CRUDE   NAT-     LIFE EXPECTANCY AT --      LF    LF
         FERT-  BIRTH  DEATH   URAL    -------------------------  PART   %
  YEAR   ILITY  RATE   RATE    INC-      AGE 0        AGE 65      RATE FEMALE
         RATE                  REASE    M      F      M     F
--------------------------------------------------------------------------------

  2001   1.53   10.8    7.3    3.5    76.9   81.9   16.7   20.4   66.0   46.0
  2006   1.38    9.5    7.3    2.2    78.4   82.6   17.4   20.8   67.8   46.7
  2011   1.23    8.4    7.6     .8    79.4   83.1   18.0   21.1   67.2   46.8
  2016   1.20    8.0    8.1    -.1    80.1   83.5   18.4   21.4   65.9   46.9
  2021   1.20    7.8    8.8    -.9    80.6   83.8   18.6   21.5   63.7   46.7
  2026   1.20    7.4    9.7   -2.2    80.8   84.0   18.8   21.7   61.5   46.6
  2031   1.20    6.9   10.9   -4.0    80.9   84.1   18.8   21.7   59.7   46.5
  2036   1.20    6.5   12.4   -5.9    81.0   84.2   18.9   21.8   58.5   46.5
  2041   1.20    6.2   13.8   -7.6    81.1   84.2   18.9   21.8   57.6   46.5
  2046   1.20    6.2   15.0   -8.9    81.1   84.3   18.9   21.9   56.9   46.5
  2051   1.20    6.2   15.8   -9.6    81.1   84.3   18.9   21.9   56.1   46.4

--------------------------------------------------------------------------------
Note:  LF is total labour force.


PMEDS-D TABLE 4: PROJECTION SUMMARY PART 4   CANADA
              ID: Slow Population Growth                 DATE:  7JUL2005
--------------------------------------------------------------------------------
            MEDIAN AGE OF POPULATION          MEDIAN AGE OF LF        U
  YEAR   ---------------------------------   --------------------    RATE
         TOTAL   MALE   FEMALE   AGE    AGE   TOTAL   MALE  FEMALE    (%)
                                 20-64  65+
--------------------------------------------------------------------------------

  2001    37.2   36.3    38.0   40.9   73.9   39.1   39.3   38.8    7.2
  2006    39.0   38.0    39.9   42.3   74.4   40.5   40.7   40.3    7.2
  2011    40.7   39.8    41.6   43.2   73.9   41.1   41.4   40.8    7.2
  2016    42.4   41.5    43.3   43.3   73.2   41.4   41.7   41.1    7.2
  2021    43.9   43.1    44.7   43.3   73.3   41.6   41.9   41.2    7.2
  2026    45.5   44.7    46.3   43.5   73.6   42.0   42.4   41.5    7.2
  2031    47.0   46.2    47.8   43.8   74.2   42.5   42.9   42.0    7.2
  2036    48.3   47.4    49.1   44.5   75.3   43.2   43.6   42.7    7.2
  2041    49.5   48.7    50.3   45.3   76.2   43.8   44.2   43.3    7.2
  2046    50.5   49.6    51.4   45.6   76.2   44.0   44.5   43.5    7.2
  2051    51.2   50.2    52.1   45.6   75.9   44.0   44.6   43.4    7.2

--------------------------------------------------------------------------------
Note:  LF is total labour force; U RATE is total unemployment rate.
```

```
MEDS-E TABLE 1:   MAJOR DEMOGRAPHIC AND ECONOMIC AGGREGATES
                  ID:   Slow Population Growth              DATE:   7JUL2005
----------------------------------------------------------------------------
                                    Gross            Fixed    Gov't   Fixed
          Popula-  Labour  Employ  Domestic Consump  Invest  Current Capital
          tion     Force   -ment   Product  -tion    -ment   Expend.  Stock
  YEAR    POPTOT   LFTOT    ETOT     GDP     CONSUM    ITOT    GOVC     KTOT
----------------------------------------------------------------------------
                                 - levels -

  2001    31021.   16168.  15004.  1036.0    550.2    206.3   193.9   2744.3
  2006    32381.   17725.  16448.  1208.2    654.7    274.9   231.9   3284.5
  2011    33259.   18448.  17119.  1392.6    754.7    322.7   267.3   3997.5
  2016    33936.   18766.  17415.  1565.7    848.5    368.3   300.5   4773.8
  2021    34480.   18586.  17248.  1712.4    928.0    408.6   328.7   5590.2
  2026    34824.   18186.  16877.  1840.4    997.4    444.6   353.2   6419.4
  2031    34882.   17719.  16443.  1944.6   1053.9    475.1   373.2   7241.6
  2036    34617.   17290.  16045.  2038.6   1104.8    502.5   391.3   8042.2
  2041    34053.   16842.  15629.  2116.4   1147.0    525.9   406.2   8812.6
  2046    33271.   16305.  15131.  2175.7   1179.1    544.7   417.6   9541.7
  2051    32376.   15673.  14545.  2218.2   1202.1    559.2   425.7  10219.1


----------------------------------------------------------------------------
Note:   Numbers of persons are in thousands; income/expenditure figures
        are in billions of 1997 dollars.


MEDS-E TABLE 2:   MAJOR DEMOGRAPHIC AND ECONOMIC AGGREGATES
                  ID:   Slow Population Growth              DATE:   7JUL2005
----------------------------------------------------------------------------
                                    Gross            Fixed    Gov't   Fixed
          Popula-  Labour  Employ  Domestic Consump  Invest  Current Capital
          tion     Force   -ment   Product  -tion    -ment   Expend.  Stock
  YEAR    POPTOT   LFTOT    ETOT     GDP     CONSUM    ITOT    GOVC     KTOT
----------------------------------------------------------------------------
                            - percentage growth rates -

  2006      4.4      9.6     9.6    16.6      19.0     33.2    19.6    19.7
  2011      2.7      4.1     4.1    15.3      15.3     17.4    15.3    21.7
  2016      2.0      1.7     1.7    12.4      12.4     14.1    12.4    19.4
  2021      1.6     -1.0    -1.0     9.4       9.4     10.9     9.4    17.1
  2026      1.0     -2.1    -2.1     7.5       7.5      8.8     7.5    14.8
  2031       .2     -2.6    -2.6     5.7       5.7      6.9     5.7    12.8
  2036      -.8     -2.4    -2.4     4.8       4.8      5.8     4.8    11.1
  2041     -1.6     -2.6    -2.6     3.8       3.8      4.6     3.8     9.6
  2046     -2.3     -3.2    -3.2     2.8       2.8      3.6     2.8     8.3
  2051     -2.7     -3.9    -3.9     2.0       2.0      2.7     2.0     7.1


----------------------------------------------------------------------------
Note:   The growth rates show total growth over the preceding 5 years.
```

```
MEDS-E TABLE 3:   RATIOS OF AGGREGATE VARIABLES
              ID:   Slow Population Growth              DATE:  7JUL2005
----------------------------------------------------------------------------
        GDP/POPTOT          Percent of GDP--           URATE   KTOT
      ---------------   ------------------------------  (%)    ----
Year                                                            GDP
      index % growth  CONSUM   ITOT    GOVC   TRADEBAL
----------------------------------------------------------------------------

2001  100.0     .       53.1   19.9    18.7     5.8      7.2    2.6
2006  111.7   11.7      54.2   22.8    19.2      .0      7.2    2.7
2011  125.4   12.2      54.2   23.2    19.2      .0      7.2    2.9
2016  138.2   10.2      54.2   23.5    19.2      .0      7.2    3.0
2021  148.7    7.6      54.2   23.9    19.2      .0      7.2    3.3
2026  158.3    6.4      54.2   24.2    19.2      .0      7.2    3.5
2031  166.9    5.5      54.2   24.4    19.2      .0      7.2    3.7
2036  176.4    5.6      54.2   24.7    19.2      .0      7.2    3.9
2041  186.1    5.5      54.2   24.8    19.2      .0      7.2    4.2
2046  195.8    5.2      54.2   25.0    19.2      .0      7.2    4.4
2051  205.2    4.8      54.2   25.2    19.2      .0      7.2    4.6


----------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.


MEDS-E TABLE 4:   PRODUCTIVITY MEASURES
              ID:   Slow Population Growth              DATE:  7JUL2005
----------------------------------------------------------------------------
        GDP/ETOT            GDP/KTOT            KTOT/ETOT
      ---------------     ---------------     ---------------
Year
      index   % growth    index   % growth    index   % growth
----------------------------------------------------------------------------

2001  100.0      .        100.0      .        100.0      .
2006  106.4     6.4        97.4    -2.6       109.2     9.2
2011  117.8    10.7        92.3    -5.3       127.7    16.9
2016  130.2    10.5        86.9    -5.9       149.9    17.4
2021  143.8    10.4        81.2    -6.6       177.2    18.2
2026  157.9     9.8        75.9    -6.4       208.0    17.4
2031  171.3     8.5        71.1    -6.3       240.8    15.8
2036  184.0     7.4        67.2    -5.6       274.0    13.8
2041  196.1     6.6        63.6    -5.3       308.3    12.5
2046  208.3     6.2        60.4    -5.1       344.8    11.8
2051  220.9     6.1        57.5    -4.8       384.1    11.4


----------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.
```

YEAR	15+							20-24						
	E1	E2	E3	E4	E5	E6	E7	E1	E2	E3	E4	E5	E6	E7
	- percentage distribution -							- percentage distribution -						
2001	9.9	17.5	19.4	9.1	28.2	10.8	5.1	1.9	11.1	23.7	25.4	28.8	8.1	1.1
2006	7.6	16.2	18.9	9.5	29.4	12.2	6.2	1.6	11.5	22.1	27.6	28.0	8.1	1.1
2011	5.9	14.8	18.3	10.0	30.6	13.6	6.9	1.5	11.4	21.0	29.0	27.7	8.1	1.2
2016	4.4	13.2	17.8	10.4	31.5	14.9	7.7	1.5	11.3	20.0	30.4	27.4	8.1	1.3
2021	3.4	11.8	17.2	10.8	32.5	16.2	8.2	1.6	11.2	19.0	31.7	27.0	8.0	1.4
2026	2.6	10.7	16.7	11.3	33.2	16.9	8.6	1.7	11.1	18.0	33.1	26.6	8.0	1.5
2031	2.2	10.0	15.8	11.7	33.8	17.6	8.8	1.8	11.0	17.0	34.5	26.2	8.0	1.5
2036	2.0	9.1	14.7	12.3	34.3	18.5	9.1	1.8	10.9	15.9	35.9	25.7	8.0	1.6
2041	1.7	8.3	13.2	13.2	34.5	19.7	9.5	1.9	10.8	14.9	37.3	25.3	8.0	1.7
2046	1.5	7.2	11.8	13.9	35.2	20.5	9.9	2.0	10.4	14.0	38.8	24.9	8.1	1.8
2051	1.5	6.5	11.3	14.9	35.1	20.6	10.1	2.1	10.1	13.1	40.2	24.5	8.1	1.9

Note: E1 refers to grade 8 or lower, E2 to some secondary, E3 to secondary
       school graduation, E4 to some post-secondary, E5 to post-secondary
       certificate or diploma, E6 to completed bachelor's degree, and E7
       to university degree or certificate above bachelor's.

```
PMEDS-D TABLE 1: PROJECTION SUMMARY PART 1   CANADA
                ID: Higher LF Participation            DATE:  7JUL2005
-----------------------------------------------------------------------------
         POPULATION            LABOUR FORCE        TOTAL  HOUSE    % OF TPOP
  YEAR --------------------   -------------------  HOUSE  -HOLD   ------------
       TOTAL CHANGE GROWTH    TOTAL CHANGE GROWTH  -HOLDS  SIZE    <15    65+
       ('000) ('000)  (%)     ('000) ('000)  (%)   ('000)
-----------------------------------------------------------------------------

  2001 31021.  1411.  4.76   16168.  1283.  8.62  11960.  2.59   18.9   12.6
  2006 32485.  1464.  4.72   17820.  1652. 10.22  12884.  2.52   17.3   13.2
  2011 33850.  1365.  4.20   19020.  1200.  6.74  13791.  2.45   15.9   14.4
  2016 35157.  1308.  3.86   19925.   905.  4.76  14680.  2.39   15.4   16.6
  2021 36361.  1203.  3.42   19978.    53.   .26  15517.  2.34   15.2   19.0
  2026 37386.  1025.  2.82   19879.   -99.  -.49  16194.  2.31   14.9   21.7
  2031 38155.   769.  2.06   19805.   -74.  -.37  16713.  2.28   14.4   24.0
  2036 38657.   502.  1.32   19838.    33.   .17  17069.  2.26   13.9   25.1
  2041 38932.   274.   .71   19856.    18.   .09  17291.  2.25   13.5   25.7
  2046 39033.   102.   .26   19757.   -99.  -.50  17414.  2.24   13.4   26.3
  2051 39022.   -12.  -.03   19565.  -193.  -.97  17461.  2.23   13.5   26.9

-----------------------------------------------------------------------------
Note:  TPOP is total population.
Note:  The growth rates show total growth over the preceding 5 years.


PMEDS-D TABLE 2: PROJECTION SUMMARY PART 2   CANADA
                ID: Higher LF Participation            DATE:  7JUL2005
-----------------------------------------------------------------------------
         IMMI-   EMI-   CHANGE   NET    BIRTHS  DEATHS  NAT-    RATIO OF TPOP
         GRA-    GRA-     IN     IN-                    URAL       TO--
         TION    TION    NPR    FLOW                    INC-   -------------
  YEAR                                                  REASE   P20-64    LF
-----------------------------------------------------------------------------

  2001   253.0   55.2    36.0   233.8   332.6   225.1   107.5    1.62    1.92
  2006   230.0   48.4     .0    181.6   330.2   234.6    95.6    1.59    1.82
  2011   230.0   50.8     .0    179.2   342.0   251.3    90.7    1.58    1.78
  2016   230.0   53.2     .0    176.8   349.4   271.3    78.1    1.60    1.76
  2021   230.0   55.5     .0    174.5   350.2   295.3    54.9    1.65    1.82
  2026   230.0   57.5     .0    172.5   340.8   326.9    13.9    1.72    1.88
  2031   230.0   59.2     .0    170.8   328.5   367.4   -38.9    1.77    1.93
  2036   230.0   60.5     .0    169.5   324.0   412.9   -88.9    1.79    1.95
  2041   230.0   61.4     .0    168.6   326.5   455.8  -129.3    1.80    1.96
  2046   230.0   62.0     .0    168.0   329.2   487.7  -158.5    1.81    1.98
  2051   230.0   62.4     .0    167.6   328.4   504.6  -176.2    1.83    1.99

-----------------------------------------------------------------------------
Note:  NPR is non-permanent residents; TPOP is total population;
       P20-64 is population aged 20 to 64; LF is total labour force.
       All numbers of persons are in thousands.
```

```
PMEDS-D TABLE 3: PROJECTION SUMMARY PART 3   CANADA
                ID: Higher LF Participation           DATE:  7JUL2005
---------------------------------------------------------------------------
         TOTAL  CRUDE  CRUDE   NAT-    LIFE EXPECTANCY AT --      LF    LF
         FERT-  BIRTH  DEATH   URAL   ---------------------------  PART   %
 YEAR    ILITY  RATE   RATE    INC-     AGE 0        AGE 65       RATE FEMALE
         RATE                  REASE   M      F      M      F
---------------------------------------------------------------------------

 2001    1.53   10.8   7.3     3.5   76.9   81.9   16.7   20.4   66.0   46.0
 2006    1.50   10.2   7.3     3.0   78.4   82.6   17.5   20.8   68.1   46.6
 2011    1.50   10.1   7.5     2.7   79.5   83.2   18.1   21.2   68.7   46.9
 2016    1.50   10.0   7.7     2.2   80.4   83.8   18.5   21.5   68.9   47.0
 2021    1.50    9.7   8.1     1.5   81.0   84.2   18.9   21.8   66.7   46.9
 2026    1.50    9.1   8.8      .4   81.5   84.6   19.1   22.1   64.5   46.8
 2031    1.50    8.6   9.6    -1.0   81.8   85.0   19.4   22.4   62.7   46.8
 2036    1.50    8.4  10.7    -2.3   82.1   85.3   19.5   22.6   61.7   46.8
 2041    1.50    8.4  11.7    -3.3   82.4   85.6   19.7   22.8   61.1   46.8
 2046    1.50    8.4  12.5    -4.1   82.6   85.9   19.9   23.0   60.6   46.7
 2051    1.50    8.4  12.9    -4.5   82.8   86.1   20.0   23.2   60.1   46.7

---------------------------------------------------------------------------
Note:  LF is total labour force.


PMEDS-D TABLE 4: PROJECTION SUMMARY PART 4   CANADA
                ID: Higher LF Participation           DATE:  7JUL2005
---------------------------------------------------------------------------
          MEDIAN AGE OF POPULATION          MEDIAN AGE OF LF        U
 YEAR    -----------------------------------  --------------------  RATE
         TOTAL   MALE  FEMALE   AGE    AGE   TOTAL   MALE  FEMALE   (%)
                                20-64  65+
---------------------------------------------------------------------------

 2001    37.2   36.3   38.0   40.9   73.9   39.1   39.3   38.8    7.2
 2006    38.9   37.9   39.8   42.3   74.4   40.5   40.7   40.2    7.2
 2011    40.3   39.4   41.2   43.0   73.9   41.0   41.3   40.7    7.2
 2016    41.4   40.6   42.3   43.1   73.2   41.4   41.7   41.1    7.2
 2021    42.6   41.8   43.4   43.1   73.3   41.6   42.0   41.2    7.2
 2026    43.8   43.1   44.6   43.3   73.6   41.9   42.3   41.4    7.2
 2031    45.0   44.2   45.7   43.4   74.3   42.1   42.5   41.6    7.2
 2036    46.0   45.2   46.7   43.8   75.4   42.5   42.9   42.0    7.2
 2041    46.8   45.9   47.7   44.1   76.3   42.7   43.1   42.2    7.2
 2046    47.2   46.2   48.2   44.0   76.4   42.5   43.0   42.0    7.2
 2051    47.2   46.2   48.3   43.7   76.1   42.3   42.8   41.8    7.2

---------------------------------------------------------------------------
Note:  LF is total labour force; U RATE is total unemployment rate.
```

```
MEDS-E TABLE 1:   MAJOR DEMOGRAPHIC AND ECONOMIC AGGREGATES
                  ID:   Higher LF Participation           DATE:   7JUL2005
-------------------------------------------------------------------------------
                                         Gross            Fixed    Gov't    Fixed
              Popula-   Labour   Employ  Domestic Consump  Invest  Current Capital
               tion     Force    -ment   Product  -tion   -ment   Expend.  Stock
      YEAR    POPTOT    LFTOT    ETOT      GDP     CONSUM   ITOT     GOVC    KTOT
-------------------------------------------------------------------------------
                                    - levels -

      2001    31021.   16168.   15004.   1036.0    550.2   206.3   193.9   2744.3
      2006    32485.   17820.   16537.   1213.0    657.4   275.8   232.8   3284.8
      2011    33850.   19020.   17651.   1432.0    776.1   330.4   274.8   4013.1
      2016    35157.   19925.   18490.   1663.7    901.6   388.1   319.3   4841.5
      2021    36361.   19978.   18539.   1856.1   1005.9   439.1   356.2   5752.7
      2026    37386.   19879.   18448.   2026.6   1098.3   485.4   389.0   6703.5
      2031    38155.   19805.   18379.   2175.0   1178.7   526.8   417.4   7669.0
      2036    38657.   19838.   18410.   2323.9   1259.4   567.4   446.0   8636.8
      2041    38932.   19856.   18427.   2467.7   1337.4   606.4   473.6   9605.1
      2046    39034.   19757.   18335.   2601.2   1409.7   642.9   499.2  10567.6
      2051    39022.   19565.   18156.   2725.4   1477.0   677.0   523.1  11515.7


-------------------------------------------------------------------------------
Note:   Numbers of persons are in thousands; income/expenditure figures
        are in billions of 1997 dollars.


MEDS-E TABLE 2:   MAJOR DEMOGRAPHIC AND ECONOMIC AGGREGATES
                  ID:   Higher LF Participation           DATE:   7JUL2005
-------------------------------------------------------------------------------
                                         Gross            Fixed    Gov't    Fixed
              Popula-   Labour   Employ  Domestic Consump  Invest  Current Capital
               tion     Force    -ment   Product  -tion   -ment   Expend.  Stock
      YEAR    POPTOT    LFTOT    ETOT      GDP     CONSUM   ITOT     GOVC    KTOT
-------------------------------------------------------------------------------
                              - percentage growth rates -

      2006      4.7     10.2     10.2     17.1     19.5    33.7    20.1     19.7
      2011      4.2      6.7      6.7     18.1     18.1    19.8    18.1     22.2
      2016      3.9      4.8      4.8     16.2     16.2    17.5    16.2     20.6
      2021      3.4       .3       .3     11.6     11.6    13.1    11.6     18.8
      2026      2.8      -.5      -.5      9.2      9.2    10.6     9.2     16.5
      2031      2.1      -.4      -.4      7.3      7.3     8.5     7.3     14.4
      2036      1.3       .2       .2      6.8      6.8     7.7     6.8     12.6
      2041       .7       .1       .1      6.2      6.2     6.9     6.2     11.2
      2046       .3      -.5      -.5      5.4      5.4     6.0     5.4     10.0
      2051       .0     -1.0     -1.0      4.8      4.8     5.3     4.8      9.0


-------------------------------------------------------------------------------
Note:   The growth rates show total growth over the preceding 5 years.
```

```
MEDS-E TABLE 3:   RATIOS OF AGGREGATE VARIABLES
                  ID:  Higher LF Participation              DATE:  7JUL2005
-----------------------------------------------------------------------------
        GDP/POPTOT            Percent of GDP--             URATE   KTOT
        ---------------  ------------------------------    (%)     ----
Year    index % growth   CONSUM   ITOT   GOVC  TRADEBAL              GDP
-----------------------------------------------------------------------------

2001    100.0      .      53.1    19.9   18.7    5.8       7.2      2.6
2006    111.8    11.8     54.2    22.7   19.2     .0       7.2      2.7
2011    126.7    13.3     54.2    23.1   19.2     .0       7.2      2.8
2016    141.7    11.9     54.2    23.3   19.2     .0       7.2      2.9
2021    152.9     7.9     54.2    23.7   19.2     .0       7.2      3.1
2026    162.3     6.2     54.2    24.0   19.2     .0       7.2      3.3
2031    170.7     5.2     54.2    24.2   19.2     .0       7.2      3.5
2036    180.0     5.5     54.2    24.4   19.2     .0       7.2      3.7
2041    189.8     5.4     54.2    24.6   19.2     .0       7.2      3.9
2046    199.6     5.1     54.2    24.7   19.2     .0       7.2      4.1
2051    209.1     4.8     54.2    24.8   19.2     .0       7.2      4.2

-----------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.


MEDS-E TABLE 4:   PRODUCTIVITY MEASURES
                  ID:  Higher LF Participation              DATE:  7JUL2005
-----------------------------------------------------------------------------
         GDP/ETOT            GDP/KTOT             KTOT/ETOT
        ---------------    ---------------      ---------------
Year    index   % growth   index   % growth     index   % growth
-----------------------------------------------------------------------------

2001    100.0      .       100.0      .         100.0      .
2006    106.2     6.2       97.8    -2.2        108.6     8.6
2011    117.5    10.6       94.5    -3.4        124.3    14.5
2016    130.3    10.9       91.0    -3.7        143.2    15.2
2021    145.0    11.3       85.5    -6.1        169.6    18.5
2026    159.1     9.7       80.1    -6.3        198.7    17.1
2031    171.4     7.7       75.1    -6.2        228.1    14.8
2036    182.8     6.7       71.3    -5.1        256.5    12.4
2041    194.0     6.1       68.1    -4.5        285.0    11.1
2046    205.5     5.9       65.2    -4.2        315.1    10.6
2051    217.4     5.8       62.7    -3.9        346.8    10.0

-----------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.
```

```
MEDS-E TABLE 10:   PROJECTED EDUCATION OF POPULATION            BOTH SEXES
                   ID:  Higher LF Participation            DATE:  7JUL2005
--------------------------------------------------------------------------
                    15+                              20-24
  YEAR  --------------------------------   --------------------------------
        E1   E2   E3   E4   E5   E6   E7    E1   E2   E3   E4   E5   E6   E7
--------------------------------------------------------------------------
          - percentage distribution -        - percentage distribution -

  2001  9.9 17.5 19.4  9.1 28.2 10.8  5.1   1.9 11.1 23.7 25.4 28.8  8.1  1.1
  2006  7.6 16.2 18.9  9.5 29.3 12.2  6.2   1.6 11.5 22.1 27.6 28.0  8.1  1.1
  2011  5.9 14.8 18.2 10.0 30.4 13.7  7.1   1.5 11.5 21.0 29.1 27.6  8.1  1.2
  2016  4.4 13.1 17.7 10.4 31.3 15.1  7.9   1.6 11.4 19.9 30.5 27.2  8.1  1.3
  2021  3.4 11.8 17.0 10.8 32.1 16.4  8.5   1.7 11.4 18.8 31.9 26.7  8.1  1.4
  2026  2.6 11.1 16.4 11.4 32.6 17.1  8.8   1.8 11.3 17.7 33.4 26.2  8.1  1.5
  2031  2.3 10.5 15.5 12.0 33.0 17.7  9.1   1.9 11.2 16.7 34.8 25.8  8.1  1.6
  2036  2.0  9.6 14.4 12.8 33.3 18.6  9.4   1.9 11.1 15.7 36.2 25.3  8.1  1.7
  2041  1.7  8.7 12.9 13.6 33.4 19.8  9.9   2.0 11.0 14.7 37.6 24.8  8.1  1.8
  2046  1.6  7.6 11.5 14.3 34.1 20.6 10.3   2.1 10.6 13.8 39.1 24.5  8.1  1.9
  2051  1.5  6.9 10.9 15.4 33.8 20.8 10.6   2.2 10.3 12.9 40.5 24.1  8.1  2.0

--------------------------------------------------------------------------
Note:  E1 refers to grade 8 or lower, E2 to some secondary, E3 to secondary
       school graduation, E4 to some post-secondary, E5 to post-secondary
       certificate or diploma, E6 to completed bachelor's degree, and E7
       to university degree or certificate above bachelor's.
```

```
PMEDS-D TABLE 1: PROJECTION SUMMARY PART 1   CANADA
                ID: No Mandatory Retirement            DATE:  7JUL2005
-----------------------------------------------------------------------------
        POPULATION              LABOUR FORCE       TOTAL  HOUSE    % OF TPOP
  YEAR -------------------    -------------------   HOUSE  -HOLD   ------------
       TOTAL CHANGE GROWTH    TOTAL CHANGE GROWTH  -HOLDS  SIZE    <15    65+
       ('000) ('000)  (%)     ('000) ('000)  (%)   ('000)
-----------------------------------------------------------------------------

  2001 31021.  1411.  4.76   16168.  1283.  8.62  11960.  2.59   18.9   12.6
  2006 32485.  1464.  4.72   17768.  1600.  9.90  12884.  2.52   17.3   13.2
  2011 33850.  1365.  4.20   18668.   899.  5.06  13791.  2.45   15.9   14.4
  2016 35157.  1308.  3.86   19175.   507.  2.72  14680.  2.39   15.4   16.6
  2021 36361.  1203.  3.42   19209.    34.   .18  15517.  2.34   15.2   19.0
  2026 37386.  1025.  2.82   19133.   -76.  -.40  16194.  2.31   14.9   21.7
  2031 38155.   769.  2.06   19092.   -40.  -.21  16713.  2.28   14.4   24.0
  2036 38657.   502.  1.32   19121.    28.   .15  17069.  2.26   13.9   25.1
  2041 38932.   274.   .71   19125.     4.   .02  17291.  2.25   13.5   25.7
  2046 39033.   102.   .26   19026.   -99.  -.52  17414.  2.24   13.4   26.3
  2051 39022.   -12.  -.03   18837.  -189.  -.99  17461.  2.23   13.5   26.9

-----------------------------------------------------------------------------
Note:  TPOP is total population.
Note:  The growth rates show total growth over the preceding 5 years.


PMEDS-D TABLE 2: PROJECTION SUMMARY PART 2   CANADA
                ID: No Mandatory Retirement            DATE:  7JUL2005
-----------------------------------------------------------------------------
         IMMI-  EMI-  CHANGE   NET   BIRTHS  DEATHS  NAT-    RATIO OF TPOP
         GRA-   GRA-    IN     IN-                   URAL       TO--
         TION   TION   NPR    FLOW                   INC-    -------------
  YEAR                                               REASE   P20-64   LF
-----------------------------------------------------------------------------

  2001   253.0  55.2   36.0   233.8  332.6   225.1   107.5   1.62    1.92
  2006   230.0  48.4    .0    181.6  330.2   234.6    95.6   1.59    1.83
  2011   230.0  50.8    .0    179.2  342.0   251.3    90.7   1.58    1.81
  2016   230.0  53.2    .0    176.8  349.4   271.3    78.1   1.60    1.83
  2021   230.0  55.5    .0    174.5  350.2   295.3    54.9   1.65    1.89
  2026   230.0  57.5    .0    172.5  340.8   326.9    13.9   1.72    1.95
  2031   230.0  59.2    .0    170.8  328.5   367.4   -38.9   1.77    2.00
  2036   230.0  60.5    .0    169.5  324.0   412.9   -88.9   1.79    2.02
  2041   230.0  61.4    .0    168.6  326.5   455.8  -129.3   1.80    2.04
  2046   230.0  62.0    .0    168.0  329.2   487.7  -158.5   1.81    2.05
  2051   230.0  62.4    .0    167.6  328.4   504.6  -176.2   1.83    2.07

-----------------------------------------------------------------------------
Note:  NPR is non-permanent residents; TPOP is total population;
       P20-64 is population aged 20 to 64; LF is total labour force.
       All numbers of persons are in thousands.
```

```
PMEDS-D TABLE 3: PROJECTION SUMMARY PART 3   CANADA
                 ID: No Mandatory Retirement            DATE:  7JUL2005
----------------------------------------------------------------------------
        TOTAL  CRUDE  CRUDE   NAT-    LIFE EXPECTANCY AT --      LF    LF
        FERT-  BIRTH  DEATH   URAL   -------------------------  PART    %
  YEAR  ILITY  RATE   RATE    INC-      AGE 0        AGE 65     RATE  FEMALE
        RATE                  REASE    M      F      M      F
----------------------------------------------------------------------------

  2001  1.53   10.8    7.3    3.5    76.9   81.9   16.7   20.4   66.0   46.0
  2006  1.50   10.2    7.3    3.0    78.4   82.6   17.5   20.8   67.9   46.7
  2011  1.50   10.1    7.5    2.7    79.5   83.2   18.1   21.2   67.4   46.8
  2016  1.50   10.0    7.7    2.2    80.4   83.8   18.5   21.5   66.3   46.9
  2021  1.50    9.7    8.1    1.5    81.0   84.2   18.9   21.8   64.1   46.7
  2026  1.50    9.1    8.8     .4    81.5   84.6   19.1   22.1   62.0   46.6
  2031  1.50    8.6    9.6   -1.0    81.8   85.0   19.4   22.4   60.4   46.6
  2036  1.50    8.4   10.7   -2.3    82.1   85.3   19.5   22.6   59.5   46.6
  2041  1.50    8.4   11.7   -3.3    82.4   85.6   19.7   22.8   58.8   46.6
  2046  1.50    8.4   12.5   -4.1    82.6   85.9   19.9   23.0   58.3   46.5
  2051  1.50    8.4   12.9   -4.5    82.8   86.1   20.0   23.2   57.8   46.5


----------------------------------------------------------------------------
Note:  LF is total labour force.


PMEDS-D TABLE 4: PROJECTION SUMMARY PART 4   CANADA
                 ID: No Mandatory Retirement            DATE:  7JUL2005
----------------------------------------------------------------------------
           MEDIAN AGE OF POPULATION          MEDIAN AGE OF LF        U
  YEAR   ----------------------------------  --------------------   RATE
         TOTAL   MALE  FEMALE    AGE    AGE  TOTAL   MALE  FEMALE    (%)
                                20-64   65+
----------------------------------------------------------------------------

  2001    37.2   36.3   38.0    40.9   73.9   39.1   39.3   38.8    7.2
  2006    38.9   37.9   39.8    42.3   74.4   40.5   40.7   40.3    7.2
  2011    40.3   39.4   41.2    43.0   73.9   41.0   41.3   40.7    7.2
  2016    41.4   40.6   42.3    43.1   73.2   41.3   41.6   40.9    7.2
  2021    42.6   41.8   43.4    43.1   73.3   41.5   41.9   41.0    7.2
  2026    43.8   43.1   44.6    43.3   73.6   41.7   42.2   41.2    7.2
  2031    45.0   44.2   45.7    43.4   74.3   42.0   42.4   41.5    7.2
  2036    46.0   45.2   46.7    43.8   75.4   42.4   42.8   41.9    7.2
  2041    46.8   45.9   47.7    44.1   76.3   42.6   43.1   42.0    7.2
  2046    47.2   46.2   48.2    44.0   76.4   42.4   42.9   41.8    7.2
  2051    47.2   46.2   48.3    43.7   76.1   42.2   42.7   41.7    7.2


----------------------------------------------------------------------------
Note:  LF is total labour force; U RATE is total unemployment rate.
```

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```
MEDS-E TABLE 1:   MAJOR DEMOGRAPHIC AND ECONOMIC AGGREGATES
                  ID:  No Mandatory Retirement          DATE:  7JUL2005
-----------------------------------------------------------------------
                                    Gross           Fixed   Gov't   Fixed
          Popula-  Labour  Employ  Domestic Consump Invest  Current Capital
          tion     Force   -ment   Product  -tion   -ment   Expend. Stock
  YEAR    POPTOT   LFTOT   ETOT    GDP      CONSUM  ITOT    GOVC    KTOT
-----------------------------------------------------------------------
                                 - levels -

  2001    31021.   16168.  15004.  1036.0   550.2   206.3   193.9   2744.3
  2006    32485.   17768.  16489.  1210.2   655.8   275.2   232.3   3284.6
  2011    33850.   18668.  17323.  1405.4   761.7   325.2   269.7   4003.0
  2016    35157.   19175.  17794.  1593.2   863.4   373.9   305.8   4794.9
  2021    36361.   19209.  17826.  1758.4   953.0   418.3   337.5   5639.1
  2026    37386.   19133.  17755.  1910.6  1035.4   459.7   366.7   6511.0
  2031    38155.   19092.  17718.  2047.0  1109.3   497.4   392.9   7394.3
  2036    38657.   19121.  17744.  2183.1  1183.1   534.3   419.0   8280.0
  2041    38932.   19125.  17748.  2313.8  1253.9   569.7   444.1   9165.7
  2046    39034.   19026.  17656.  2435.4  1319.8   602.9   467.4  10045.3
  2051    39022.   18837.  17481.  2548.4  1381.1   633.9   489.1  10911.5

-----------------------------------------------------------------------
Note:   Numbers of persons are in thousands; income/expenditure figures
        are in billions of 1997 dollars.


MEDS-E TABLE 2:   MAJOR DEMOGRAPHIC AND ECONOMIC AGGREGATES
                  ID:  No Mandatory Retirement          DATE:  7JUL2005
-----------------------------------------------------------------------
                                    Gross           Fixed   Gov't   Fixed
          Popula-  Labour  Employ  Domestic Consump Invest  Current Capital
          tion     Force   -ment   Product  -tion   -ment   Expend. Stock
  YEAR    POPTOT   LFTOT   ETOT    GDP      CONSUM  ITOT    GOVC    KTOT
-----------------------------------------------------------------------
                            - percentage growth rates -

  2006     4.7      9.9     9.9    16.8     19.2    33.4    19.8    19.7
  2011     4.2      5.1     5.1    16.1     16.1    18.1    16.1    21.9
  2016     3.9      2.7     2.7    13.4     13.4    15.0    13.4    19.8
  2021     3.4       .2      .2    10.4     10.4    11.9    10.4    17.6
  2026     2.8      -.4     -.4     8.7      8.7     9.9     8.7    15.5
  2031     2.1      -.2     -.2     7.1      7.1     8.2     7.1    13.6
  2036     1.3       .1      .1     6.7      6.7     7.4     6.7    12.0
  2041      .7       .0      .0     6.0      6.0     6.6     6.0    10.7
  2046      .3      -.5     -.5     5.3      5.3     5.8     5.3     9.6
  2051      .0     -1.0    -1.0     4.6      4.6     5.1     4.6     8.6

-----------------------------------------------------------------------
Note:   The growth rates show total growth over the preceding 5 years.
```

```
MEDS-E TABLE 3:   RATIOS OF AGGREGATE VARIABLES
                  ID:  No Mandatory Retirement            DATE:  7JUL2005
-------------------------------------------------------------------------------
         GDP/POPTOT          Percent of GDP--             URATE   KTOT
        ---------------   ------------------------------  (%)     ----
 Year   index % growth    CONSUM   ITOT    GOVC   TRADEBAL         GDP
-------------------------------------------------------------------------------

 2001   100.0      .       53.1    19.9    18.7    5.8     7.2     2.6
 2006   111.6    11.6      54.2    22.7    19.2     .0     7.2     2.7
 2011   124.3    11.5      54.2    23.1    19.2     .0     7.2     2.8
 2016   135.7     9.1      54.2    23.5    19.2     .0     7.2     3.0
 2021   144.8     6.7      54.2    23.8    19.2     .0     7.2     3.2
 2026   153.0     5.7      54.2    24.1    19.2     .0     7.2     3.4
 2031   160.6     5.0      54.2    24.3    19.2     .0     7.2     3.6
 2036   169.1     5.3      54.2    24.5    19.2     .0     7.2     3.8
 2041   178.0     5.2      54.2    24.6    19.2     .0     7.2     4.0
 2046   186.8     5.0      54.2    24.8    19.2     .0     7.2     4.1
 2051   195.6     4.7      54.2    24.9    19.2     .0     7.2     4.3

-------------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.


MEDS-E TABLE 4:   PRODUCTIVITY MEASURES
                  ID:  No Mandatory Retirement            DATE:  7JUL2005
-------------------------------------------------------------------------------
         GDP/ETOT              GDP/KTOT              KTOT/ETOT
        ---------------      ---------------       ---------------
 Year   index  % growth      index  % growth       index  % growth
-------------------------------------------------------------------------------

 2001   100.0      .         100.0      .          100.0      .
 2006   106.3     6.3         97.6    -2.4         108.9     8.9
 2011   117.5    10.5         93.0    -4.7         126.3    16.0
 2016   129.7    10.4         88.0    -5.4         147.3    16.6
 2021   142.9    10.2         82.6    -6.2         173.0    17.4
 2026   155.9     9.1         77.7    -5.9         200.5    15.9
 2031   167.3     7.4         73.3    -5.7         228.2    13.8
 2036   178.2     6.5         69.8    -4.8         255.1    11.8
 2041   188.8     6.0         66.9    -4.3         282.3    10.7
 2046   199.8     5.8         64.2    -4.0         311.0    10.2
 2051   211.1     5.7         61.9    -3.7         341.3     9.7

-------------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.
```

```
MEDS-E TABLE 10:   PROJECTED EDUCATION OF POPULATION              BOTH SEXES
                   ID:  No Mandatory Retirement              DATE:  7JUL2005
------------------------------------------------------------------------------
                      15+                                  20-24
        ----------------------------------  ----------------------------------
 YEAR
        E1    E2    E3    E4    E5    E6    E7    E1    E2    E3    E4    E5    E6    E7
------------------------------------------------------------------------------
           - percentage distribution -          - percentage distribution -

 2001   9.9 17.5 19.4  9.1 28.2 10.8   5.1   1.9 11.1 23.7 25.4 28.8   8.1   1.1
 2006   7.6 16.2 18.9  9.5 29.3 12.2   6.2   1.6 11.5 22.1 27.6 28.0   8.1   1.1
 2011   5.9 14.8 18.2 10.0 30.4 13.7   7.1   1.5 11.5 21.0 29.1 27.6   8.1   1.2
 2016   4.4 13.1 17.7 10.4 31.3 15.1   7.9   1.6 11.4 19.9 30.5 27.2   8.1   1.3
 2021   3.4 11.8 17.0 10.8 32.1 16.4   8.5   1.7 11.4 18.8 31.9 26.7   8.1   1.4
 2026   2.6 11.1 16.4 11.4 32.6 17.1   8.8   1.8 11.3 17.7 33.4 26.2   8.1   1.5
 2031   2.3 10.5 15.5 12.0 33.0 17.7   9.1   1.9 11.2 16.7 34.8 25.8   8.1   1.6
 2036   2.0  9.6 14.4 12.8 33.3 18.6   9.4   1.9 11.1 15.7 36.2 25.3   8.1   1.7
 2041   1.7  8.7 12.9 13.6 33.4 19.8   9.9   2.0 11.0 14.7 37.6 24.8   8.1   1.8
 2046   1.6  7.6 11.5 14.3 34.1 20.6  10.3   2.1 10.6 13.8 39.1 24.5   8.1   1.9
 2051   1.5  6.9 10.9 15.4 33.8 20.8  10.6   2.2 10.3 12.9 40.5 24.1   8.1   2.0


------------------------------------------------------------------------------
Note:  E1 refers to grade 8 or lower, E2 to some secondary, E3 to secondary
       school graduation, E4 to some post-secondary, E5 to post-secondary
       certificate or diploma, E6 to completed bachelor's degree, and E7
       to university degree or certificate above bachelor's.
```

```
PMEDS-D TABLE 1: PROJECTION SUMMARY PART 1   CANADA
                ID: Higher Part-time Work              DATE:  7JUL2005
------------------------------------------------------------------------------
        POPULATION              LABOUR FORCE        TOTAL  HOUSE    % OF TPOP
YEAR ---------------------  -------------------     HOUSE  -HOLD   ------------
     TOTAL CHANGE GROWTH    TOTAL CHANGE GROWTH     -HOLDS  SIZE   <15     65+
     ('000) ('000)  (%)     ('000) ('000)  (%)      ('000)
------------------------------------------------------------------------------

 2001 31021.  1411.  4.76  16168.  1283.  8.62  11960.  2.59  18.9  12.6
 2006 32485.  1464.  4.72  17755.  1587.  9.81  12884.  2.52  17.3  13.2
 2011 33850.  1365.  4.20  18635.   881.  4.96  13791.  2.45  15.9  14.4
 2016 35157.  1308.  3.86  19124.   489.  2.62  14680.  2.39  15.4  16.6
 2021 36361.  1203.  3.42  19150.    26.   .14  15517.  2.34  15.2  19.0
 2026 37386.  1025.  2.82  19064.   -85.  -.45  16194.  2.31  14.9  21.7
 2031 38155.   769.  2.06  19019.   -45.  -.24  16713.  2.28  14.4  24.0
 2036 38657.   502.  1.32  19049.    30.   .16  17069.  2.26  13.9  25.1
 2041 38932.   274.   .71  19052.     3.   .02  17291.  2.25  13.5  25.7
 2046 39033.   102.   .26  18950.  -102.  -.54  17414.  2.24  13.4  26.3
 2051 39022.   -12.  -.03  18759.  -191. -1.01  17461.  2.23  13.5  26.9

------------------------------------------------------------------------------
Note:  TPOP is total population.
Note:  The growth rates show total growth over the preceding 5 years.


PMEDS-D TABLE 2: PROJECTION SUMMARY PART 2   CANADA
                ID: Higher Part-time Work              DATE:  7JUL2005
------------------------------------------------------------------------------
         IMMI-   EMI-   CHANGE   NET    BIRTHS  DEATHS  NAT-    RATIO OF TPOP
         GRA-    GRA-    IN      IN-                    URAL       TO--
YEAR     TION    TION    NPR     FLOW                   INC-   -------------
                                                       REASE   P20-64    LF
------------------------------------------------------------------------------

 2001   253.0   55.2   36.0   233.8   332.6  225.1   107.5   1.62   1.92
 2006   230.0   48.4     .0   181.6   330.2  234.6    95.6   1.59   1.83
 2011   230.0   50.8     .0   179.2   342.0  251.3    90.7   1.58   1.82
 2016   230.0   53.2     .0   176.8   349.4  271.3    78.1   1.60   1.84
 2021   230.0   55.5     .0   174.5   350.2  295.3    54.9   1.65   1.90
 2026   230.0   57.5     .0   172.5   340.8  326.9    13.9   1.72   1.96
 2031   230.0   59.2     .0   170.8   328.5  367.4   -38.9   1.77   2.01
 2036   230.0   60.5     .0   169.5   324.0  412.9   -88.9   1.79   2.03
 2041   230.0   61.4     .0   168.6   326.5  455.8  -129.3   1.80   2.04
 2046   230.0   62.0     .0   168.0   329.2  487.7  -158.5   1.81   2.06
 2051   230.0   62.4     .0   167.6   328.4  504.6  -176.2   1.83   2.08

------------------------------------------------------------------------------
Note:  NPR is non-permanent residents; TPOP is total population;
       P20-64 is population aged 20 to 64; LF is total labour force.
       All numbers of persons are in thousands.
```

```
PMEDS-D TABLE 3: PROJECTION SUMMARY PART 3   CANADA
                ID: Higher Part-time Work                DATE:  7JUL2005
-----------------------------------------------------------------------------
        TOTAL  CRUDE  CRUDE   NAT-    LIFE EXPECTANCY AT --       LF    LF
        FERT-  BIRTH  DEATH   URAL   --------------------------  PART   %
 YEAR   ILITY  RATE   RATE    INC-      AGE 0         AGE 65     RATE FEMALE
        RATE                 REASE    M      F       M      F
-----------------------------------------------------------------------------

 2001   1.53   10.8   7.3     3.5    76.9   81.9    16.7   20.4   66.0   46.0
 2006   1.50   10.2   7.3     3.0    78.4   82.6    17.5   20.8   67.8   46.7
 2011   1.50   10.1   7.5     2.7    79.5   83.2    18.1   21.2   67.3   46.9
 2016   1.50   10.0   7.7     2.2    80.4   83.8    18.5   21.5   66.1   46.9
 2021   1.50    9.7   8.1     1.5    81.0   84.2    18.9   21.8   64.0   46.7
 2026   1.50    9.1   8.8      .4    81.5   84.6    19.1   22.1   61.8   46.6
 2031   1.50    8.6   9.6    -1.0    81.8   85.0    19.4   22.4   60.2   46.7
 2036   1.50    8.4  10.7    -2.3    82.1   85.3    19.5   22.6   59.2   46.7
 2041   1.50    8.4  11.7    -3.3    82.4   85.6    19.7   22.8   58.6   46.6
 2046   1.50    8.4  12.5    -4.1    82.6   85.9    19.9   23.0   58.1   46.6
 2051   1.50    8.4  12.9    -4.5    82.8   86.1    20.0   23.2   57.6   46.6


-----------------------------------------------------------------------------
Note:  LF is total labour force.


PMEDS-D TABLE 4: PROJECTION SUMMARY PART 4   CANADA
                ID: Higher Part-time Work                DATE:  7JUL2005
-----------------------------------------------------------------------------
          MEDIAN AGE OF POPULATION         MEDIAN AGE OF LF        U
 YEAR   -----------------------------------  -------------------   RATE
        TOTAL   MALE  FEMALE    AGE    AGE   TOTAL   MALE  FEMALE   (%)
                                20-64  65+
-----------------------------------------------------------------------------

 2001   37.2    36.3   38.0    40.9   73.9   39.1    39.3   38.8    7.2
 2006   38.9    37.9   39.8    42.3   74.4   40.5    40.7   40.2    7.2
 2011   40.3    39.4   41.2    43.0   73.9   41.0    41.3   40.7    7.2
 2016   41.4    40.6   42.3    43.1   73.2   41.2    41.5   40.9    7.2
 2021   42.6    41.8   43.4    43.1   73.3   41.4    41.8   41.0    7.2
 2026   43.8    43.1   44.6    43.3   73.6   41.7    42.1   41.2    7.2
 2031   45.0    44.2   45.7    43.4   74.3   41.9    42.3   41.4    7.2
 2036   46.0    45.2   46.7    43.8   75.4   42.3    42.7   41.8    7.2
 2041   46.8    45.9   47.7    44.1   76.3   42.5    42.9   42.0    7.2
 2046   47.2    46.2   48.2    44.0   76.4   42.3    42.8   41.8    7.2
 2051   47.2    46.2   48.3    43.7   76.1   42.1    42.6   41.6    7.2


-----------------------------------------------------------------------------
Note:  LF is total labour force; U RATE is total unemployment rate.
```

```
MEDS-E TABLE 1:   MAJOR DEMOGRAPHIC AND ECONOMIC AGGREGATES
                  ID:  Higher Part-time Work              DATE:  7JUL2005
-----------------------------------------------------------------------------
                                        Gross            Fixed    Gov't   Fixed
          Popula-   Labour   Employ  Domestic Consump  Invest  Current Capital
           tion      Force    -ment   Product  -tion    -ment   Expend.  Stock
   YEAR    POPTOT    LFTOT     ETOT      GDP    CONSUM    ITOT     GOVC    KTOT
-----------------------------------------------------------------------------
                                   - levels -

   2001    31021.   16168.   15004.   1036.0   550.2    206.3   193.9   2744.3
   2006    32485.   17755.   16476.   1203.7   652.4    274.0   231.0   3284.0
   2011    33850.   18635.   17294.   1384.1   750.1    320.9   265.7   3990.1
   2016    35157.   19124.   17747.   1565.4   848.3    368.0   300.4   4762.5
   2021    36361.   19150.   17771.   1724.6   934.6    410.8   331.0   5584.1
   2026    37386.   19064.   17692.   1871.5  1014.2    450.7   359.2   6431.2
   2031    38155.   19019.   17650.   2003.2  1085.6    487.2   384.5   7288.6
   2036    38657.   19049.   17677.   2134.7  1156.9    522.8   409.7   8147.8
   2041    38932.   19052.   17680.   2260.7  1225.2    557.0   433.9   9006.3
   2046    39034.   18950.   17586.   2378.0  1288.7    589.0   456.4   9858.2
   2051    39022.   18759.   17408.   2487.1  1347.9    619.0   477.4  10696.9


-----------------------------------------------------------------------------
Note:  Numbers of persons are in thousands; income/expenditure figures
       are in billions of 1997 dollars.


MEDS-E TABLE 2:   MAJOR DEMOGRAPHIC AND ECONOMIC AGGREGATES
                  ID:  Higher Part-time Work              DATE:  7JUL2005
-----------------------------------------------------------------------------
                                        Gross            Fixed    Gov't   Fixed
          Popula-   Labour   Employ  Domestic Consump  Invest  Current Capital
           tion      Force    -ment   Product  -tion    -ment   Expend.  Stock
   YEAR    POPTOT    LFTOT     ETOT      GDP    CONSUM    ITOT     GOVC    KTOT
-----------------------------------------------------------------------------
                             - percentage growth rates -

   2006     4.7      9.8      9.8     16.2     18.6     32.8     19.2    19.7
   2011     4.2      5.0      5.0     15.0     15.0     17.1     15.0    21.5
   2016     3.9      2.6      2.6     13.1     13.1     14.7     13.1    19.4
   2021     3.4       .1       .1     10.2     10.2     11.6     10.2    17.3
   2026     2.8      -.4      -.4      8.5      8.5      9.7      8.5    15.2
   2031     2.1      -.2      -.2      7.0      7.0      8.1      7.0    13.3
   2036     1.3       .2       .2      6.6      6.6      7.3      6.6    11.8
   2041      .7       .0       .0      5.9      5.9      6.5      5.9    10.5
   2046      .3      -.5      -.5      5.2      5.2      5.7      5.2     9.5
   2051      .0     -1.0     -1.0      4.6      4.6      5.1      4.6     8.5


-----------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.
```

```
MEDS-E TABLE 3:  RATIOS OF AGGREGATE VARIABLES
                ID:  Higher Part-time Work              DATE:  7JUL2005
-------------------------------------------------------------------------------
        GDP/POPTOT           Percent of GDP--           URATE   KTOT
       ---------------   -------------------------------  (%)    ----
Year                                                              GDP
       index % growth   CONSUM   ITOT    GOVC   TRADEBAL
-------------------------------------------------------------------------------

2001   100.0      .      53.1    19.9    18.7     5.8     7.2     2.6
2006   111.0    11.0     54.2    22.8    19.2      .0     7.2     2.7
2011   122.4    10.3     54.2    23.2    19.2      .0     7.2     2.9
2016   133.3     8.9     54.2    23.5    19.2      .0     7.2     3.0
2021   142.0     6.5     54.2    23.8    19.2      .0     7.2     3.2
2026   149.9     5.5     54.2    24.1    19.2      .0     7.2     3.4
2031   157.2     4.9     54.2    24.3    19.2      .0     7.2     3.6
2036   165.4     5.2     54.2    24.5    19.2      .0     7.2     3.8
2041   173.9     5.2     54.2    24.6    19.2      .0     7.2     4.0
2046   182.4     4.9     54.2    24.8    19.2      .0     7.2     4.1
2051   190.9     4.6     54.2    24.9    19.2      .0     7.2     4.3

-------------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.


MEDS-E TABLE 4:  PRODUCTIVITY MEASURES
                ID:  Higher Part-time Work              DATE:  7JUL2005
-------------------------------------------------------------------------------
          GDP/ETOT             GDP/KTOT             KTOT/ETOT
       ---------------      ---------------      ---------------
Year
       index   % growth     index   % growth     index   % growth
-------------------------------------------------------------------------------

2001   100.0       .        100.0       .        100.0       .
2006   105.8      5.8        97.1     -2.9        109.0      9.0
2011   115.9      9.5        91.9     -5.4        126.1     15.8
2016   127.7     10.2        87.1     -5.2        146.7     16.3
2021   140.6     10.0        81.8     -6.0        171.8     17.1
2026   153.2      9.0        77.1     -5.8        198.7     15.7
2031   164.4      7.3        72.8     -5.6        225.8     13.6
2036   174.9      6.4        69.4     -4.7        252.0     11.6
2041   185.2      5.9        66.5     -4.2        278.5     10.5
2046   195.8      5.8        63.9     -3.9        306.5     10.0
2051   206.9      5.7        61.6     -3.6        335.9      9.6

-------------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.
```

```
MEDS-E TABLE 10:   PROJECTED EDUCATION OF POPULATION              BOTH SEXES
                   ID:  Higher Part-time Work              DATE:  7JUL2005
-----------------------------------------------------------------------------
                    15+                              20-24
  YEAR   ---------------------------------   ---------------------------------
         E1   E2   E3   E4   E5   E6   E7    E1   E2   E3   E4   E5   E6   E7
-----------------------------------------------------------------------------
          - percentage distribution -          - percentage distribution -

  2001   9.9 17.5 19.4  9.1 28.2 10.8  5.1   1.9 11.1 23.7 25.4 28.8  8.1  1.1
  2006   7.6 16.2 18.9  9.5 29.3 12.2  6.2   1.6 11.5 22.1 27.6 28.0  8.1  1.1
  2011   5.9 14.8 18.2 10.0 30.4 13.7  7.1   1.5 11.5 21.0 29.1 27.6  8.1  1.2
  2016   4.4 13.1 17.7 10.4 31.3 15.1  7.9   1.6 11.4 19.9 30.5 27.2  8.1  1.3
  2021   3.4 11.8 17.0 10.8 32.1 16.4  8.5   1.7 11.4 18.8 31.9 26.7  8.1  1.4
  2026   2.6 11.1 16.4 11.4 32.6 17.1  8.8   1.8 11.3 17.7 33.4 26.2  8.1  1.5
  2031   2.3 10.5 15.5 12.0 33.0 17.7  9.1   1.9 11.2 16.7 34.8 25.8  8.1  1.6
  2036   2.0  9.6 14.4 12.8 33.3 18.6  9.4   1.9 11.1 15.7 36.2 25.3  8.1  1.7
  2041   1.7  8.7 12.9 13.6 33.4 19.8  9.9   2.0 11.0 14.7 37.6 24.8  8.1  1.8
  2046   1.6  7.6 11.5 14.3 34.1 20.6 10.3   2.1 10.6 13.8 39.1 24.5  8.1  1.9
  2051   1.5  6.9 10.9 15.4 33.8 20.8 10.6   2.2 10.3 12.9 40.5 24.1  8.1  2.0


-----------------------------------------------------------------------------
Note:  E1 refers to grade 8 or lower, E2 to some secondary, E3 to secondary
       school graduation, E4 to some post-secondary, E5 to post-secondary
       certificate or diploma, E6 to completed bachelor's degree, and E7
       to university degree or certificate above bachelor's.
```

```
PMEDS-D TABLE 1: PROJECTION SUMMARY PART 1   CANADA
                ID: Lower Part-time Work                DATE:  7JUL2005
-----------------------------------------------------------------------------
         POPULATION            LABOUR FORCE        TOTAL  HOUSE   % OF TPOP
 YEAR  --------------------  --------------------   HOUSE  -HOLD  ------------
       TOTAL CHANGE GROWTH   TOTAL CHANGE GROWTH   -HOLDS  SIZE    <15    65+
       ('000) ('000)  (%)    ('000) ('000)  (%)    ('000)
-----------------------------------------------------------------------------

 2001  31021.  1411.  4.76   16168.  1283.  8.62   11960.  2.59  18.9   12.6
 2006  32485.  1464.  4.72   17755.  1587.  9.81   12884.  2.52  17.3   13.2
 2011  33850.  1365.  4.20   18635.   881.  4.96   13791.  2.45  15.9   14.4
 2016  35157.  1308.  3.86   19124.   489.  2.62   14680.  2.39  15.4   16.6
 2021  36361.  1203.  3.42   19150.    26.   .14   15517.  2.34  15.2   19.0
 2026  37386.  1025.  2.82   19064.   -85.  -.45   16194.  2.31  14.9   21.7
 2031  38155.   769.  2.06   19019.   -45.  -.24   16713.  2.28  14.4   24.0
 2036  38657.   502.  1.32   19049.    30.   .16   17069.  2.26  13.9   25.1
 2041  38932.   274.   .71   19052.     3.   .02   17291.  2.25  13.5   25.7
 2046  39033.   102.   .26   18950.  -102.  -.54   17414.  2.24  13.4   26.3
 2051  39022.   -12.  -.03   18759.  -191. -1.01   17461.  2.23  13.5   26.9

-----------------------------------------------------------------------------
Note:  TPOP is total population.
Note:  The growth rates show total growth over the preceding 5 years.


PMEDS-D TABLE 2: PROJECTION SUMMARY PART 2   CANADA
                ID: Lower Part-time Work                DATE:  7JUL2005
-----------------------------------------------------------------------------
        IMMI-   EMI-  CHANGE   NET   BIRTHS  DEATHS   NAT-   RATIO OF TPOP
        GRA-    GRA-    IN     IN-                    URAL        TO--
        TION    TION   NPR    FLOW                    INC-   -------------
 YEAR                                                 REASE  P20-64    LF
-----------------------------------------------------------------------------

 2001   253.0   55.2   36.0   233.8   332.6   225.1   107.5   1.62    1.92
 2006   230.0   48.4    .0    181.6   330.2   234.6    95.6   1.59    1.83
 2011   230.0   50.8    .0    179.2   342.0   251.3    90.7   1.58    1.82
 2016   230.0   53.2    .0    176.8   349.4   271.3    78.1   1.60    1.84
 2021   230.0   55.5    .0    174.5   350.2   295.3    54.9   1.65    1.90
 2026   230.0   57.5    .0    172.5   340.8   326.9    13.9   1.72    1.96
 2031   230.0   59.2    .0    170.8   328.5   367.4   -38.9   1.77    2.01
 2036   230.0   60.5    .0    169.5   324.0   412.9   -88.9   1.79    2.03
 2041   230.0   61.4    .0    168.6   326.5   455.8  -129.3   1.80    2.04
 2046   230.0   62.0    .0    168.0   329.2   487.7  -158.5   1.81    2.06
 2051   230.0   62.4    .0    167.6   328.4   504.6  -176.2   1.83    2.08

-----------------------------------------------------------------------------
Note:  NPR is non-permanent residents; TPOP is total population;
       P20-64 is population aged 20 to 64; LF is total labour force.
       All numbers of persons are in thousands.
```

```
PMEDS-D TABLE 3: PROJECTION SUMMARY PART 3   CANADA
               ID: Lower Part-time Work                     DATE:  7JUL2005
---------------------------------------------------------------------------------
          TOTAL  CRUDE  CRUDE   NAT-    LIFE EXPECTANCY AT --     LF     LF
          FERT-  BIRTH  DEATH   URAL   -------------------------  PART   %
  YEAR    ILITY  RATE   RATE    INC-     AGE 0        AGE 65      RATE  FEMALE
          RATE                  REASE   M      F     M      F
---------------------------------------------------------------------------------

  2001    1.53   10.8    7.3    3.5   76.9   81.9   16.7   20.4   66.0   46.0
  2006    1.50   10.2    7.3    3.0   78.4   82.6   17.5   20.8   67.8   46.7
  2011    1.50   10.1    7.5    2.7   79.5   83.2   18.1   21.2   67.3   46.9
  2016    1.50   10.0    7.7    2.2   80.4   83.8   18.5   21.5   66.1   46.9
  2021    1.50    9.7    8.1    1.5   81.0   84.2   18.9   21.8   64.0   46.7
  2026    1.50    9.1    8.8     .4   81.5   84.6   19.1   22.1   61.8   46.6
  2031    1.50    8.6    9.6   -1.0   81.8   85.0   19.4   22.4   60.2   46.7
  2036    1.50    8.4   10.7   -2.3   82.1   85.3   19.5   22.6   59.2   46.7
  2041    1.50    8.4   11.7   -3.3   82.4   85.6   19.7   22.8   58.6   46.6
  2046    1.50    8.4   12.5   -4.1   82.6   85.9   19.9   23.0   58.1   46.6
  2051    1.50    8.4   12.9   -4.5   82.8   86.1   20.0   23.2   57.6   46.6

---------------------------------------------------------------------------------
Note:  LF is total labour force.


PMEDS-D TABLE 4: PROJECTION SUMMARY PART 4   CANADA
               ID: Lower Part-time Work                     DATE:  7JUL2005
---------------------------------------------------------------------------------
            MEDIAN AGE OF POPULATION          MEDIAN AGE OF LF          U
  YEAR    ----------------------------------  --------------------     RATE
          TOTAL   MALE   FEMALE   AGE    AGE   TOTAL   MALE   FEMALE    (%)
                                  20-64  65+
---------------------------------------------------------------------------------

  2001    37.2    36.3    38.0   40.9   73.9   39.1   39.3   38.8     7.2
  2006    38.9    37.9    39.8   42.3   74.4   40.5   40.7   40.2     7.2
  2011    40.3    39.4    41.2   43.0   73.9   41.0   41.3   40.7     7.2
  2016    41.4    40.6    42.3   43.1   73.2   41.2   41.5   40.9     7.2
  2021    42.6    41.8    43.4   43.1   73.3   41.4   41.8   41.0     7.2
  2026    43.8    43.1    44.6   43.3   73.6   41.7   42.1   41.2     7.2
  2031    45.0    44.2    45.7   43.4   74.3   41.9   42.3   41.4     7.2
  2036    46.0    45.2    46.7   43.8   75.4   42.3   42.7   41.8     7.2
  2041    46.8    45.9    47.7   44.1   76.3   42.5   42.9   42.0     7.2
  2046    47.2    46.2    48.2   44.0   76.4   42.3   42.8   41.8     7.2
  2051    47.2    46.2    48.3   43.7   76.1   42.1   42.6   41.6     7.2

---------------------------------------------------------------------------------
Note:  LF is total labour force; U RATE is total unemployment rate.
```

```
MEDS-E TABLE 1:   MAJOR DEMOGRAPHIC AND ECONOMIC AGGREGATES
                  ID:   Lower Part-time Work              DATE:   7JUL2005
-------------------------------------------------------------------------
                                   Gross            Fixed   Gov't   Fixed
            Popula-  Labour  Employ Domestic Consump Invest Current Capital
            tion     Force   -ment  Product  -tion   -ment  Expend. Stock
     YEAR   POPTOT   LFTOT   ETOT   GDP      CONSUM  ITOT    GOVC    KTOT
-------------------------------------------------------------------------
                              - levels -

     2001   31021.   16168.  15004.  1036.0   550.2   206.3   193.9  2744.3
     2006   32485.   17755.  16476.  1215.7   658.8   276.3   233.3  3285.0
     2011   33850.   18635.  17294.  1423.1   771.2   328.7   273.1  4014.0
     2016   35157.   19124.  17747.  1614.2   874.8   378.4   309.8  4821.3
     2021   36361.   19150.  17771.  1782.6   966.0   423.7   342.1  5681.9
     2026   37386.   19064.  17692.  1937.4  1049.9   465.8   371.8  6570.6
     2031   38155.   19019.  17650.  2075.7  1124.9   504.2   398.4  7470.5
     2036   38657.   19049.  17677.  2214.4  1200.1   541.8   425.0  8372.6
     2041   38932.   19052.  17680.  2347.3  1272.1   577.8   450.5  9274.5
     2046   39034.   18950.  17586.  2470.8  1339.0   611.6   474.2 10170.1
     2051   39022.   18759.  17408.  2585.8  1401.3   643.1   496.3 11051.8

-------------------------------------------------------------------------
Note:   Numbers of persons are in thousands; income/expenditure figures
        are in billions of 1997 dollars.


MEDS-E TABLE 2:   MAJOR DEMOGRAPHIC AND ECONOMIC AGGREGATES
                  ID:   Lower Part-time Work              DATE:   7JUL2005
-------------------------------------------------------------------------
                                   Gross            Fixed   Gov't   Fixed
            Popula-  Labour  Employ Domestic Consump Invest Current Capital
            tion     Force   -ment  Product  -tion   -ment  Expend. Stock
     YEAR   POPTOT   LFTOT   ETOT   GDP      CONSUM  ITOT    GOVC    KTOT
-------------------------------------------------------------------------
                          - percentage growth rates -

     2006    4.7      9.8     9.8    17.3     19.7    33.9    20.4    19.7
     2011    4.2      5.0     5.0    17.1     17.1    19.0    17.1    22.2
     2016    3.9      2.6     2.6    13.4     13.4    15.1    13.4    20.1
     2021    3.4       .1      .1    10.4     10.4    12.0    10.4    17.9
     2026    2.8      -.4     -.4     8.7      8.7     9.9     8.7    15.6
     2031    2.1      -.2     -.2     7.1      7.1     8.2     7.1    13.7
     2036    1.3       .2      .2     6.7      6.7     7.5     6.7    12.1
     2041     .7       .0      .0     6.0      6.0     6.6     6.0    10.8
     2046     .3      -.5     -.5     5.3      5.3     5.8     5.3     9.7
     2051     .0     -1.0    -1.0     4.7      4.7     5.2     4.7     8.7

-------------------------------------------------------------------------
Note:   The growth rates show total growth over the preceding 5 years.
```

```
MEDS-E TABLE 3:   RATIOS OF AGGREGATE VARIABLES
                  ID:   Lower Part-time Work                    DATE:  7JUL2005
-------------------------------------------------------------------------------
           GDP/POPTOT           Percent of GDP--            URATE    KTOT
         ---------------   -------------------------------   (%)     ----
 Year                                                                 ----
         index % growth   CONSUM    ITOT    GOVC  TRADEBAL            GDP
-------------------------------------------------------------------------------

 2001    100.0       .     53.1    19.9    18.7      5.8      7.2     2.6
 2006    112.1    12.1     54.2    22.7    19.2       .0      7.2     2.7
 2011    125.9    12.3     54.2    23.1    19.2       .0      7.2     2.8
 2016    137.5     9.2     54.2    23.4    19.2       .0      7.2     3.0
 2021    146.8     6.8     54.2    23.8    19.2       .0      7.2     3.2
 2026    155.2     5.7     54.2    24.0    19.2       .0      7.2     3.4
 2031    162.9     5.0     54.2    24.3    19.2       .0      7.2     3.6
 2036    171.5     5.3     54.2    24.5    19.2       .0      7.2     3.8
 2041    180.5     5.3     54.2    24.6    19.2       .0      7.2     4.0
 2046    189.5     5.0     54.2    24.8    19.2       .0      7.2     4.1
 2051    198.4     4.7     54.2    24.9    19.2       .0      7.2     4.3

-------------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.


MEDS-E TABLE 4:   PRODUCTIVITY MEASURES
                  ID:   Lower Part-time Work                    DATE:  7JUL2005
-------------------------------------------------------------------------------
           GDP/ETOT            GDP/KTOT             KTOT/ETOT
         ---------------    ---------------      ---------------
 Year
         index   % growth    index   % growth     index   % growth
-------------------------------------------------------------------------------

 2001    100.0       .       100.0       .        100.0       .
 2006    106.9     6.9        98.0    -2.0        109.0     9.0
 2011    119.2    11.5        93.9    -4.2        126.9    16.4
 2016    131.7    10.5        88.7    -5.6        148.5    17.0
 2021    145.3    10.3        83.1    -6.3        174.8    17.7
 2026    158.6     9.2        78.1    -6.0        203.0    16.2
 2031    170.3     7.4        73.6    -5.8        231.4    14.0
 2036    181.4     6.5        70.1    -4.8        258.9    11.9
 2041    192.3     6.0        67.0    -4.3        286.8    10.8
 2046    203.5     5.8        64.4    -4.0        316.2    10.2
 2051    215.1     5.7        62.0    -3.7        347.1     9.8

-------------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.
```

```
MEDS-E TABLE 10:   PROJECTED EDUCATION OF POPULATION              BOTH SEXES
                   ID:   Lower Part-time Work                  DATE:   7JUL2005
-------------------------------------------------------------------------------
                      15+                                20-24
      YEAR  ---------------------------------   ---------------------------------
            E1    E2    E3    E4    E5    E6    E7   E1    E2    E3    E4    E5    E6    E7
-------------------------------------------------------------------------------
              - percentage distribution -          - percentage distribution -

      2001   9.9  17.5  19.4   9.1  28.2  10.8   5.1   1.9  11.1  23.7  25.4  28.8   8.1   1.1
      2006   7.6  16.2  18.9   9.5  29.3  12.2   6.2   1.6  11.5  22.1  27.6  28.0   8.1   1.1
      2011   5.9  14.8  18.2  10.0  30.4  13.7   7.1   1.5  11.5  21.0  29.1  27.6   8.1   1.2
      2016   4.4  13.1  17.7  10.4  31.3  15.1   7.9   1.6  11.4  19.9  30.5  27.2   8.1   1.3
      2021   3.4  11.8  17.0  10.8  32.1  16.4   8.5   1.7  11.4  18.8  31.9  26.7   8.1   1.4
      2026   2.6  11.1  16.4  11.4  32.6  17.1   8.8   1.8  11.3  17.7  33.4  26.2   8.1   1.5
      2031   2.3  10.5  15.5  12.0  33.0  17.7   9.1   1.9  11.2  16.7  34.8  25.8   8.1   1.6
      2036   2.0   9.6  14.4  12.8  33.3  18.6   9.4   1.9  11.1  15.7  36.2  25.3   8.1   1.7
      2041   1.7   8.7  12.9  13.6  33.4  19.8   9.9   2.0  11.0  14.7  37.6  24.8   8.1   1.8
      2046   1.6   7.6  11.5  14.3  34.1  20.6  10.3   2.1  10.6  13.8  39.1  24.5   8.1   1.9
      2051   1.5   6.9  10.9  15.4  33.8  20.8  10.6   2.2  10.3  12.9  40.5  24.1   8.1   2.0


-------------------------------------------------------------------------------
Note:  E1 refers to grade 8 or lower, E2 to some secondary, E3 to secondary
       school graduation, E4 to some post-secondary, E5 to post-secondary
       certificate or diploma, E6 to completed bachelor's degree, and E7
       to university degree or certificate above bachelor's.
```

```
PMEDS-D TABLE 1: PROJECTION SUMMARY PART 1   CANADA
                 ID: Immigrant Education Same as Rest        DATE:  7JUL2005
-------------------------------------------------------------------------------
         POPULATION              LABOUR FORCE        TOTAL  HOUSE    % OF TPOP
      --------------------   -------------------     HOUSE  -HOLD   ------------
YEAR                                                 -HOLDS SIZE    <15    65+
      TOTAL CHANGE GROWTH    TOTAL CHANGE GROWTH      ('000)
      ('000) ('000)  (%)     ('000) ('000)  (%)
-------------------------------------------------------------------------------

 2001 31021. 1411.  4.76    16168. 1283.  8.62       11960.  2.59  18.9  12.6
 2006 32485. 1464.  4.72    17755. 1587.  9.81       12884.  2.52  17.3  13.2
 2011 33850. 1365.  4.20    18635.  881.  4.96       13791.  2.45  15.9  14.4
 2016 35157. 1308.  3.86    19124.  489.  2.62       14680.  2.39  15.4  16.6
 2021 36361. 1203.  3.42    19150.   26.   .14       15517.  2.34  15.2  19.0
 2026 37386. 1025.  2.82    19064.  -85.  -.45       16194.  2.31  14.9  21.7
 2031 38155.  769.  2.06    19019.  -45.  -.24       16713.  2.28  14.4  24.0
 2036 38657.  502.  1.32    19049.   30.   .16       17069.  2.26  13.9  25.1
 2041 38932.  274.   .71    19052.    3.   .02       17291.  2.25  13.5  25.7
 2046 39033.  102.   .26    18950. -102.  -.54       17414.  2.24  13.4  26.3
 2051 39022.  -12.  -.03    18759. -191. -1.01       17461.  2.23  13.5  26.9

-------------------------------------------------------------------------------
Note:  TPOP is total population.
Note:  The growth rates show total growth over the preceding 5 years.


PMEDS-D TABLE 2: PROJECTION SUMMARY PART 2   CANADA
                 ID: Immigrant Education Same as Rest        DATE:  7JUL2005
-------------------------------------------------------------------------------
        IMMI-   EMI-   CHANGE    NET    BIRTHS  DEATHS   NAT-    RATIO OF TPOP
        GRA-    GRA-     IN      IN-                     URAL       TO--
        TION    TION    NPR      FLOW                    INC-   -------------
YEAR                                                    REASE   P20-64    LF
-------------------------------------------------------------------------------

 2001   253.0   55.2    36.0    233.8   332.6   225.1   107.5    1.62    1.92
 2006   230.0   48.4     .0     181.6   330.2   234.6    95.6    1.59    1.83
 2011   230.0   50.8     .0     179.2   342.0   251.3    90.7    1.58    1.82
 2016   230.0   53.2     .0     176.8   349.4   271.3    78.1    1.60    1.84
 2021   230.0   55.5     .0     174.5   350.2   295.3    54.9    1.65    1.90
 2026   230.0   57.5     .0     172.5   340.8   326.9    13.9    1.72    1.96
 2031   230.0   59.2     .0     170.8   328.5   367.4   -38.9    1.77    2.01
 2036   230.0   60.5     .0     169.5   324.0   412.9   -88.9    1.79    2.03
 2041   230.0   61.4     .0     168.6   326.5   455.8  -129.3    1.80    2.04
 2046   230.0   62.0     .0     168.0   329.2   487.7  -158.5    1.81    2.06
 2051   230.0   62.4     .0     167.6   328.4   504.6  -176.2    1.83    2.08

-------------------------------------------------------------------------------
Note:  NPR is non-permanent residents; TPOP is total population;
       P20-64 is population aged 20 to 64; LF is total labour force.
       All numbers of persons are in thousands.
```

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```
PMEDS-D TABLE 3: PROJECTION SUMMARY PART 3   CANADA
               ID: Immigrant Education Same as Rest        DATE:  7JUL2005
-----------------------------------------------------------------------------
          TOTAL  CRUDE  CRUDE   NAT-    LIFE EXPECTANCY AT --      LF    LF
          FERT-  BIRTH  DEATH   URAL   -------------------------  PART   %
   YEAR   ILITY  RATE   RATE    INC-     AGE 0         AGE 65     RATE FEMALE
          RATE                  REASE   M      F      M      F
-----------------------------------------------------------------------------

   2001   1.53   10.8    7.3     3.5   76.9   81.9   16.7   20.4   66.0   46.0
   2006   1.50   10.2    7.3     3.0   78.4   82.6   17.5   20.8   67.8   46.7
   2011   1.50   10.1    7.5     2.7   79.5   83.2   18.1   21.2   67.3   46.9
   2016   1.50   10.0    7.7     2.2   80.4   83.8   18.5   21.5   66.1   46.9
   2021   1.50    9.7    8.1     1.5   81.0   84.2   18.9   21.8   64.0   46.7
   2026   1.50    9.1    8.8      .4   81.5   84.6   19.1   22.1   61.8   46.6
   2031   1.50    8.6    9.6    -1.0   81.8   85.0   19.4   22.4   60.2   46.7
   2036   1.50    8.4   10.7    -2.3   82.1   85.3   19.5   22.6   59.2   46.7
   2041   1.50    8.4   11.7    -3.3   82.4   85.6   19.7   22.8   58.6   46.6
   2046   1.50    8.4   12.5    -4.1   82.6   85.9   19.9   23.0   58.1   46.6
   2051   1.50    8.4   12.9    -4.5   82.8   86.1   20.0   23.2   57.6   46.6

-----------------------------------------------------------------------------
Note:  LF is total labour force.


PMEDS-D TABLE 4: PROJECTION SUMMARY PART 4   CANADA
               ID: Immigrant Education Same as Rest         DATE:  7JUL2005
-----------------------------------------------------------------------------
           MEDIAN AGE OF POPULATION          MEDIAN AGE OF LF        U
   YEAR   -----------------------------------  --------------------  RATE
          TOTAL   MALE   FEMALE   AGE    AGE   TOTAL   MALE  FEMALE   (%)
                                  20-64   65+
-----------------------------------------------------------------------------

   2001    37.2   36.3    38.0   40.9   73.9    39.1   39.3   38.8    7.2
   2006    38.9   37.9    39.8   42.3   74.4    40.5   40.7   40.2    7.2
   2011    40.3   39.4    41.2   43.0   73.9    41.0   41.3   40.7    7.2
   2016    41.4   40.6    42.3   43.1   73.2    41.2   41.5   40.9    7.2
   2021    42.6   41.8    43.4   43.1   73.3    41.4   41.8   41.0    7.2
   2026    43.8   43.1    44.6   43.3   73.6    41.7   42.1   41.2    7.2
   2031    45.0   44.2    45.7   43.4   74.3    41.9   42.3   41.4    7.2
   2036    46.0   45.2    46.7   43.8   75.4    42.3   42.7   41.8    7.2
   2041    46.8   45.9    47.7   44.1   76.3    42.5   42.9   42.0    7.2
   2046    47.2   46.2    48.2   44.0   76.4    42.3   42.8   41.8    7.2
   2051    47.2   46.2    48.3   43.7   76.1    42.1   42.6   41.6    7.2

-----------------------------------------------------------------------------
Note:  LF is total labour force; U RATE is total unemployment rate.
```

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```
MEDS-E TABLE 1:   MAJOR DEMOGRAPHIC AND ECONOMIC AGGREGATES
                  ID:   Immigrant Education Same as Rest      DATE:   7JUL2005
------------------------------------------------------------------------------
                                        Gross            Fixed   Gov't    Fixed
           Popula-  Labour  Employ  Domestic Consump Invest  Current Capital
           tion     Force   -ment   Product  -tion   -ment   Expend.  Stock
   YEAR    POPTOT   LFTOT   ETOT     GDP      CONSUM  ITOT    GOVC     KTOT
------------------------------------------------------------------------------
                                   - levels -

   2001    31021.   16168.  15004.  1036.0   550.2   206.3   193.9    2744.3
   2006    32485.   17755.  16476.  1203.3   652.1   273.9   230.9    3282.3
   2011    33850.   18635.  17294.  1391.0   753.8   322.2   267.0    3992.2
   2016    35157.   19124.  17747.  1570.2   851.0   369.1   301.4    4769.7
   2021    36361.   19150.  17771.  1726.3   935.5   411.3   331.3    5593.6
   2026    37386.   19064.  17692.  1868.8  1012.8   450.4   358.7    6439.4
   2031    38155.   19019.  17650.  1995.7  1081.5   485.7   383.0    7291.5
   2036    38657.   19049.  17677.  2122.8  1150.4   520.4   407.4    8142.1
   2041    38932.   19052.  17680.  2243.7  1216.0   553.4   430.6    8989.0
   2046    39034.   18950.  17586.  2354.5  1276.0   583.9   451.9    9825.9
   2051    39022.   18759.  17408.  2455.8  1330.9   612.0   471.3   10645.2


------------------------------------------------------------------------------
Note:   Numbers of persons are in thousands; income/expenditure figures
        are in billions of 1997 dollars.


MEDS-E TABLE 2:   MAJOR DEMOGRAPHIC AND ECONOMIC AGGREGATES
                  ID:   Immigrant Education Same as Rest      DATE:   7JUL2005
------------------------------------------------------------------------------
                                        Gross            Fixed   Gov't    Fixed
           Popula-  Labour  Employ  Domestic Consump Invest  Current Capital
           tion     Force   -ment   Product  -tion   -ment   Expend.  Stock
   YEAR    POPTOT   LFTOT   ETOT     GDP      CONSUM  ITOT    GOVC     KTOT
------------------------------------------------------------------------------
                             - percentage growth rates -

   2006     4.7      9.8     9.8    16.2     18.5    32.8    19.1     19.6
   2011     4.2      5.0     5.0    15.6     15.6    17.7    15.6     21.6
   2016     3.9      2.6     2.6    12.9     12.9    14.5    12.9     19.5
   2021     3.4       .1      .1     9.9      9.9    11.4     9.9     17.3
   2026     2.8      -.4     -.4     8.3      8.3     9.5     8.3     15.1
   2031     2.1      -.2     -.2     6.8      6.8     7.9     6.8     13.2
   2036     1.3       .2      .2     6.4      6.4     7.1     6.4     11.7
   2041      .7       .0      .0     5.7      5.7     6.3     5.7     10.4
   2046      .3      -.5     -.5     4.9      4.9     5.5     4.9      9.3
   2051      .0     -1.0    -1.0     4.3      4.3     4.8     4.3      8.3


------------------------------------------------------------------------------
Note:   The growth rates show total growth over the preceding 5 years.
```

```
MEDS-E TABLE 3:  RATIOS OF AGGREGATE VARIABLES
                ID:  Immigrant Education Same as Rest      DATE:  7JUL2005
--------------------------------------------------------------------------------
         GDP/POPTOT              Percent of GDP--          URATE    KTOT
       ---------------   ------------------------------    (%)      ----
 Year   index % growth   CONSUM   ITOT   GOVC  TRADEBAL             GDP
--------------------------------------------------------------------------------

 2001   100.0      .      53.1    19.9   18.7    5.8        7.2      2.6
 2006   110.9    10.9     54.2    22.8   19.2     .0        7.2      2.7
 2011   123.1    10.9     54.2    23.2   19.2     .0        7.2      2.9
 2016   133.7     8.7     54.2    23.5   19.2     .0        7.2      3.0
 2021   142.2     6.3     54.2    23.8   19.2     .0        7.2      3.2
 2026   149.7     5.3     54.2    24.1   19.2     .0        7.2      3.4
 2031   156.6     4.6     54.2    24.3   19.2     .0        7.2      3.7
 2036   164.4     5.0     54.2    24.5   19.2     .0        7.2      3.8
 2041   172.6     5.0     54.2    24.7   19.2     .0        7.2      4.0
 2046   180.6     4.7     54.2    24.8   19.2     .0        7.2      4.2
 2051   188.5     4.3     54.2    24.9   19.2     .0        7.2      4.3


--------------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.


MEDS-E TABLE 4:  PRODUCTIVITY MEASURES
                ID:  Immigrant Education Same as Rest      DATE:  7JUL2005
--------------------------------------------------------------------------------
         GDP/ETOT              GDP/KTOT              KTOT/ETOT
       ---------------     ---------------       ----------------
 Year   index  % growth     index  % growth       index  % growth
--------------------------------------------------------------------------------

 2001   100.0      .        100.0      .          100.0      .
 2006   105.8     5.8        97.1    -2.9         108.9     8.9
 2011   116.5    10.1        92.3    -5.0         126.2    15.9
 2016   128.1    10.0        87.2    -5.5         146.9    16.4
 2021   140.7     9.8        81.8    -6.3         172.1    17.1
 2026   153.0     8.7        76.9    -6.0         199.0    15.6
 2031   163.8     7.0        72.5    -5.7         225.9    13.5
 2036   173.9     6.2        69.1    -4.7         251.8    11.5
 2041   183.8     5.7        66.1    -4.3         278.0    10.4
 2046   193.9     5.5        63.5    -4.0         305.5     9.9
 2051   204.3     5.4        61.1    -3.7         334.3     9.4


--------------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.
```

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```
MEDS-E TABLE 10:  PROJECTED EDUCATION OF POPULATION              BOTH SEXES
                  ID:  Immigrant Education Same as Rest      DATE:  7JUL2005
--------------------------------------------------------------------------------
                        15+                                20-24
         -----------------------------------   ----------------------------------
  YEAR
         E1    E2    E3    E4    E5    E6    E7    E1    E2    E3    E4    E5    E6    E7
--------------------------------------------------------------------------------
            - percentage distribution -          - percentage distribution -

  2001   9.9  17.5  19.4   9.1  28.2  10.8   5.1   1.9  11.1  23.7  25.4  28.8   8.1   1.1
  2006   7.5  16.3  19.2   9.6  30.0  11.9   5.5   1.3  11.2  22.4  27.4  28.5   8.1   1.0
  2011   5.7  14.9  18.8  10.1  31.7  13.1   5.7   1.1  10.9  21.6  28.6  28.6   8.1   1.0
  2016   4.2  13.3  18.4  10.6  33.0  14.2   6.1   1.1  10.6  20.8  29.8  28.6   8.0   1.1
  2021   3.2  12.1  17.9  11.0  34.3  15.1   6.3   1.1  10.3  19.9  31.0  28.6   8.0   1.1
  2026   2.4  11.3  17.5  11.7  35.2  15.6   6.4   1.1  10.0  19.1  32.1  28.6   8.0   1.1
  2031   2.0  10.8  16.7  12.3  35.8  16.0   6.4   1.1   9.7  18.3  33.3  28.6   7.9   1.1
  2036   1.7   9.9  15.6  13.1  36.5  16.7   6.5   1.1   9.4  17.5  34.4  28.6   7.9   1.1
  2041   1.4   9.0  14.2  14.0  37.0  17.7   6.7   1.1   9.1  16.7  35.5  28.6   7.9   1.1
  2046   1.3   7.9  12.9  14.8  38.0  18.3   6.9   1.0   8.5  16.0  36.6  28.7   7.9   1.1
  2051   1.2   7.2  12.4  15.9  38.2  18.2   6.9   1.0   8.0  15.3  37.8  28.8   7.9   1.1


--------------------------------------------------------------------------------
Note:  E1 refers to grade 8 or lower, E2 to some secondary, E3 to secondary
       school graduation, E4 to some post-secondary, E5 to post-secondary
       certificate or diploma, E6 to completed bachelor's degree, and E7
       to university degree or certificate above bachelor's.
```

```
PMEDS-D TABLE 1: PROJECTION SUMMARY PART 1  CANADA
                ID: Higher Education of Population        DATE: 12JUL2005
------------------------------------------------------------------------
        POPULATION            LABOUR FORCE        TOTAL  HOUSE   % OF TPOP
YEAR  --------------------  --------------------  HOUSE  -HOLD  -----------
      TOTAL CHANGE GROWTH   TOTAL CHANGE GROWTH   -HOLDS SIZE    <15   65+
      ('000) ('000)  (%)    ('000) ('000)  (%)    ('000)
------------------------------------------------------------------------

 2001 31021.  1411.  4.76  16168.  1283.  8.62  11960.  2.59  18.9  12.6
 2006 32485.  1464.  4.72  17755.  1587.  9.81  12884.  2.52  17.3  13.2
 2011 33850.  1365.  4.20  18635.   881.  4.96  13791.  2.45  15.9  14.4
 2016 35157.  1308.  3.86  19124.   489.  2.62  14680.  2.39  15.4  16.6
 2021 36361.  1203.  3.42  19150.    26.   .14  15517.  2.34  15.2  19.0
 2026 37386.  1025.  2.82  19064.   -85.  -.45  16194.  2.31  14.9  21.7
 2031 38155.   769.  2.06  19019.   -45.  -.24  16713.  2.28  14.4  24.0
 2036 38657.   502.  1.32  19049.    30.   .16  17069.  2.26  13.9  25.1
 2041 38932.   274.   .71  19052.     3.   .02  17291.  2.25  13.5  25.7
 2046 39033.   102.   .26  18950.  -102.  -.54  17414.  2.24  13.4  26.3
 2051 39022.   -12.  -.03  18759.  -191. -1.01  17461.  2.23  13.5  26.9

------------------------------------------------------------------------
Note:  TPOP is total population.
Note:  The growth rates show total growth over the preceding 5 years.


PMEDS-D TABLE 2: PROJECTION SUMMARY PART 2  CANADA
                ID: Higher Education of Population        DATE: 12JUL2005
------------------------------------------------------------------------
        IMMI-  EMI-   CHANGE   NET    BIRTHS  DEATHS  NAT-    RATIO OF TPOP
        GRA-   GRA-    IN      IN-                    URAL       TO--
        TION   TION    NPR     FLOW                  INC-    -------------
YEAR                                                 REASE   P20-64   LF
------------------------------------------------------------------------

 2001  253.0  55.2   36.0   233.8   332.6  225.1   107.5    1.62   1.92
 2006  230.0  48.4    .0    181.6   330.2  234.6    95.6    1.59   1.83
 2011  230.0  50.8    .0    179.2   342.0  251.3    90.7    1.58   1.82
 2016  230.0  53.2    .0    176.8   349.4  271.3    78.1    1.60   1.84
 2021  230.0  55.5    .0    174.5   350.2  295.3    54.9    1.65   1.90
 2026  230.0  57.5    .0    172.5   340.8  326.9    13.9    1.72   1.96
 2031  230.0  59.2    .0    170.8   328.5  367.4   -38.9    1.77   2.01
 2036  230.0  60.5    .0    169.5   324.0  412.9   -88.9    1.79   2.03
 2041  230.0  61.4    .0    168.6   326.5  455.8  -129.3    1.80   2.04
 2046  230.0  62.0    .0    168.0   329.2  487.7  -158.5    1.81   2.06
 2051  230.0  62.4    .0    167.6   328.4  504.6  -176.2    1.83   2.08

------------------------------------------------------------------------
Note:  NPR is non-permanent residents; TPOP is total population;
       P20-64 is population aged 20 to 64; LF is total labour force.
       All numbers of persons are in thousands.
```

```
PMEDS-D TABLE 3: PROJECTION SUMMARY PART 3   CANADA
                 ID: Higher Education of Population        DATE: 12JUL2005
----------------------------------------------------------------------------
         TOTAL  CRUDE  CRUDE   NAT-    LIFE EXPECTANCY AT --      LF    LF
         FERT-  BIRTH  DEATH   URAL   --------------------------  PART   %
 YEAR    ILITY  RATE   RATE    INC-     AGE 0        AGE 65      RATE FEMALE
         RATE                  REASE    M      F     M      F
----------------------------------------------------------------------------

 2001    1.53   10.8    7.3    3.5    76.9   81.9   16.7   20.4   66.0   46.0
 2006    1.50   10.2    7.3    3.0    78.4   82.6   17.5   20.8   67.8   46.7
 2011    1.50   10.1    7.5    2.7    79.5   83.2   18.1   21.2   67.3   46.9
 2016    1.50   10.0    7.7    2.2    80.4   83.8   18.5   21.5   66.1   46.9
 2021    1.50    9.7    8.1    1.5    81.0   84.2   18.9   21.8   64.0   46.7
 2026    1.50    9.1    8.8     .4    81.5   84.6   19.1   22.1   61.8   46.6
 2031    1.50    8.6    9.6   -1.0    81.8   85.0   19.4   22.4   60.2   46.7
 2036    1.50    8.4   10.7   -2.3    82.1   85.3   19.5   22.6   59.2   46.7
 2041    1.50    8.4   11.7   -3.3    82.4   85.6   19.7   22.8   58.6   46.6
 2046    1.50    8.4   12.5   -4.1    82.6   85.9   19.9   23.0   58.1   46.6
 2051    1.50    8.4   12.9   -4.5    82.8   86.1   20.0   23.2   57.6   46.6


----------------------------------------------------------------------------
Note:  LF is total labour force.


PMEDS-D TABLE 4: PROJECTION SUMMARY PART 4   CANADA
                 ID: Higher Education of Population        DATE: 12JUL2005
----------------------------------------------------------------------------
            MEDIAN AGE OF POPULATION          MEDIAN AGE OF LF        U
 YEAR    -----------------------------------  --------------------  RATE
         TOTAL   MALE   FEMALE   AGE    AGE    TOTAL   MALE  FEMALE  (%)
                                20-64   65+
----------------------------------------------------------------------------

 2001    37.2    36.3    38.0    40.9   73.9   39.1   39.3   38.8    7.2
 2006    38.9    37.9    39.8    42.3   74.4   40.5   40.7   40.2    7.2
 2011    40.3    39.4    41.2    43.0   73.9   41.0   41.3   40.7    7.2
 2016    41.4    40.6    42.3    43.1   73.2   41.2   41.5   40.9    7.2
 2021    42.6    41.8    43.4    43.1   73.3   41.4   41.8   41.0    7.2
 2026    43.8    43.1    44.6    43.3   73.6   41.7   42.1   41.2    7.2
 2031    45.0    44.2    45.7    43.4   74.3   41.9   42.3   41.4    7.2
 2036    46.0    45.2    46.7    43.8   75.4   42.3   42.7   41.8    7.2
 2041    46.8    45.9    47.7    44.1   76.3   42.5   42.9   42.0    7.2
 2046    47.2    46.2    48.2    44.0   76.4   42.3   42.8   41.8    7.2
 2051    47.2    46.2    48.3    43.7   76.1   42.1   42.6   41.6    7.2


----------------------------------------------------------------------------
Note:  LF is total labour force; U RATE is total unemployment rate.
```

```
MEDS-E TABLE 1:   MAJOR DEMOGRAPHIC AND ECONOMIC AGGREGATES
                  ID:  Higher Education of Population       DATE: 12JUL2005
-----------------------------------------------------------------------------
                                        Gross             Fixed   Gov't   Fixed
           Popula-  Labour  Employ  Domestic Consump  Invest Current Capital
           tion     Force   -ment   Product  -tion    -ment  Expend. Stock
  YEAR     POPTOT   LFTOT   ETOT    GDP      CONSUM    ITOT   GOVC    KTOT
-----------------------------------------------------------------------------
                                 - levels -

  2001     31021.   16168.  15004.  1036.0    550.2   206.3  193.9   2744.3
  2006     32485.   17755.  16476.  1211.3    656.5   275.5  232.5   3285.1
  2011     33850.   18635.  17294.  1412.0    765.2   326.5  271.0   4006.3
  2016     35157.   19124.  17747.  1609.3    872.2   377.2  308.9   4806.9
  2021     36361.   19150.  17771.  1787.9    968.9   424.4  343.1   5668.7
  2026     37386.   19064.  17692.  1957.6   1060.9   469.7  375.7   6569.1
  2031     38155.   19019.  17650.  2116.6   1147.1   512.4  406.2   7494.6
  2036     38657.   19049.  17677.  2279.2   1235.2   555.5  437.5   8438.3
  2041     38932.   19052.  17680.  2435.1   1319.7   596.9  467.4   9397.4
  2046     39034.   18950.  17586.  2576.2   1396.1   635.2  494.4  10361.2
  2051     39022.   18759.  17408.  2703.7   1465.2   670.4  518.9  11316.0


-----------------------------------------------------------------------------
Note:   Numbers of persons are in thousands; income/expenditure figures
        are in billions of 1997 dollars.


MEDS-E TABLE 2:   MAJOR DEMOGRAPHIC AND ECONOMIC AGGREGATES
                  ID:  Higher Education of Population       DATE: 12JUL2005
-----------------------------------------------------------------------------
                                        Gross             Fixed   Gov't   Fixed
           Popula-  Labour  Employ  Domestic Consump  Invest Current Capital
           tion     Force   -ment   Product  -tion    -ment  Expend. Stock
  YEAR     POPTOT   LFTOT   ETOT    GDP      CONSUM    ITOT   GOVC    KTOT
-----------------------------------------------------------------------------
                          - percentage growth rates -

  2006      4.7      9.8     9.8    16.9      19.3    33.5   19.9    19.7
  2011      4.2      5.0     5.0    16.6      16.6    18.5   16.6    22.0
  2016      3.9      2.6     2.6    14.0      14.0    15.5   14.0    20.0
  2021      3.4       .1      .1    11.1      11.1    12.5   11.1    17.9
  2026      2.8      -.4     -.4     9.5       9.5    10.7    9.5    15.9
  2031      2.1      -.2     -.2     8.1       8.1     9.1    8.1    14.1
  2036      1.3       .2      .2     7.7       7.7     8.4    7.7    12.6
  2041       .7       .0      .0     6.8       6.8     7.5    6.8    11.4
  2046       .3      -.5     -.5     5.8       5.8     6.4    5.8    10.3
  2051       .0     -1.0    -1.0     4.9       4.9     5.5    4.9     9.2


-----------------------------------------------------------------------------
Note:   The growth rates show total growth over the preceding 5 years.
```

```
MEDS-E TABLE 3:   RATIOS OF AGGREGATE VARIABLES
                  ID:  Higher Education of Population        DATE: 12JUL2005
------------------------------------------------------------------------------
           GDP/POPTOT          Percent of GDP--            URATE   KTOT
        ---------------   ------------------------------    (%)    ----
  Year  index % growth   CONSUM   ITOT    GOVC   TRADEBAL           GDP
------------------------------------------------------------------------------

  2001   100.0      .     53.1    19.9    18.7     5.8      7.2     2.6
  2006   111.7    11.7    54.2    22.7    19.2      .0      7.2     2.7
  2011   124.9    11.9    54.2    23.1    19.2      .0      7.2     2.8
  2016   137.1     9.7    54.2    23.4    19.2      .0      7.2     3.0
  2021   147.2     7.4    54.2    23.7    19.2      .0      7.2     3.2
  2026   156.8     6.5    54.2    24.0    19.2      .0      7.2     3.4
  2031   166.1     5.9    54.2    24.2    19.2      .0      7.2     3.5
  2036   176.6     6.3    54.2    24.4    19.2      .0      7.2     3.7
  2041   187.3     6.1    54.2    24.5    19.2      .0      7.2     3.9
  2046   197.6     5.5    54.2    24.7    19.2      .0      7.2     4.0
  2051   207.5     5.0    54.2    24.8    19.2      .0      7.2     4.2

------------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.


MEDS-E TABLE 4:   PRODUCTIVITY MEASURES
                  ID:  Higher Education of Population        DATE: 12JUL2005
------------------------------------------------------------------------------
           GDP/ETOT           GDP/KTOT            KTOT/ETOT
        ---------------    ---------------    ---------------
  Year  index  % growth    index  % growth    index  % growth
------------------------------------------------------------------------------

  2001  100.0      .       100.0      .       100.0      .
  2006  106.5     6.5       97.7    -2.3      109.0     9.0
  2011  118.3    11.1       93.4    -4.4      126.7    16.2
  2016  131.3    11.1       88.7    -5.0      148.1    16.9
  2021  145.7    10.9       83.6    -5.8      174.4    17.8
  2026  160.3    10.0       78.9    -5.5      203.0    16.4
  2031  173.7     8.4       74.8    -5.2      232.2    14.4
  2036  186.7     7.5       71.6    -4.4      261.0    12.4
  2041  199.5     6.8       68.6    -4.1      290.6    11.3
  2046  212.2     6.4       65.9    -4.0      322.1    10.8
  2051  224.9     6.0       63.3    -3.9      355.4    10.3

------------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.
```

```
MEDS-E TABLE 10:   PROJECTED EDUCATION OF POPULATION              BOTH SEXES
                   ID:  Higher Education of Population          DATE: 12JUL2005
------------------------------------------------------------------------------
                     15+                                 20-24
   YEAR   ---------------------------------   ---------------------------------
          E1    E2    E3    E4    E5    E6    E7    E1    E2    E3    E4    E5    E6    E7
------------------------------------------------------------------------------
           - percentage distribution -          - percentage distribution -

   2001   9.9 17.5 19.4  9.1 28.2 10.8   5.1  1.9 11.1 23.7 25.4 28.8  8.1  1.1
   2006   7.6 15.0 18.7  9.3 30.2 12.7   6.5  1.2   .1 23.2 30.2 33.9 10.0  1.4
   2011   5.8 13.0 17.5  9.0 32.2 14.8   7.7  1.2   .1 20.7 30.9 34.8 10.6  1.6
   2016   4.2 11.1 16.1  8.4 34.0 17.1   9.1  1.2   .1 18.7 31.8 35.3 11.1  1.8
   2021   3.2  9.7 14.7  7.9 35.5 18.9  10.1  1.3   .1 17.3 33.7 34.5 11.1  2.0
   2026   2.4  8.8 13.5  7.8 36.5 20.1  10.9  1.4   .1 15.9 35.6 33.8 11.1  2.1
   2031   2.1  8.0 12.0  7.7 37.5 21.2  11.5  1.4   .1 14.6 37.5 33.0 11.1  2.2
   2036   1.9  6.9 10.3  7.6 38.4 22.7  12.2  1.5   .1 13.4 39.2 32.4 11.1  2.3
   2041   1.6  5.8  8.4  7.4 39.2 24.5  13.1  1.5   .1 12.1 40.9 31.7 11.2  2.5
   2046   1.4  4.4  6.5  6.8 40.7 26.0  14.2  1.6   .1 11.3 42.3 30.9 11.2  2.6
   2051   1.4  3.3  5.2  5.8 41.7 27.5  15.2  1.6   .1 10.8 43.6 30.1 11.1  2.7


------------------------------------------------------------------------------
Note:  E1 refers to grade 8 or lower, E2 to some secondary, E3 to secondary
       school graduation, E4 to some post-secondary, E5 to post-secondary
       certificate or diploma, E6 to completed bachelor's degree, and E7
       to university degree or certificate above bachelor's.
```

```
PMEDS-D TABLE 1: PROJECTION SUMMARY PART 1   CANADA
                 ID: Higher Productivity                DATE:  7JUL2005
------------------------------------------------------------------------
        POPULATION            LABOUR FORCE       TOTAL  HOUSE   % OF TPOP
   YEAR --------------------  -------------------  HOUSE  -HOLD  -----------
        TOTAL CHANGE GROWTH  TOTAL CHANGE GROWTH  -HOLDS  SIZE   <15   65+
        ('000) ('000)  (%)   ('000) ('000)  (%)   ('000)
------------------------------------------------------------------------

   2001 31021.  1411.  4.76  16168.  1283.  8.62  11960.  2.59  18.9  12.6
   2006 32485.  1464.  4.72  17755.  1587.  9.81  12884.  2.52  17.3  13.2
   2011 33850.  1365.  4.20  18635.   881.  4.96  13791.  2.45  15.9  14.4
   2016 35157.  1308.  3.86  19124.   489.  2.62  14680.  2.39  15.4  16.6
   2021 36361.  1203.  3.42  19150.    26.   .14  15517.  2.34  15.2  19.0
   2026 37386.  1025.  2.82  19064.   -85.  -.45  16194.  2.31  14.9  21.7
   2031 38155.   769.  2.06  19019.   -45.  -.24  16713.  2.28  14.4  24.0
   2036 38657.   502.  1.32  19049.    30.   .16  17069.  2.26  13.9  25.1
   2041 38932.   274.   .71  19052.     3.   .02  17291.  2.25  13.5  25.7
   2046 39033.   102.   .26  18950.  -102.  -.54  17414.  2.24  13.4  26.3
   2051 39022.   -12.  -.03  18759.  -191. -1.01  17461.  2.23  13.5  26.9

------------------------------------------------------------------------
Note:  TPOP is total population.
Note:  The growth rates show total growth over the preceding 5 years.


PMEDS-D TABLE 2: PROJECTION SUMMARY PART 2   CANADA
                 ID: Higher Productivity                DATE:  7JUL2005
------------------------------------------------------------------------
        IMMI-  EMI-   CHANGE   NET    BIRTHS  DEATHS  NAT-   RATIO OF TPOP
        GRA-   GRA-     IN     IN-                    URAL       TO--
        TION   TION    NPR    FLOW                    INC-   -------------
   YEAR                                               REASE  P20-64   LF
------------------------------------------------------------------------

   2001  253.0  55.2   36.0   233.8   332.6  225.1   107.5   1.62   1.92
   2006  230.0  48.4    .0    181.6   330.2  234.6    95.6   1.59   1.83
   2011  230.0  50.8    .0    179.2   342.0  251.3    90.7   1.58   1.82
   2016  230.0  53.2    .0    176.8   349.4  271.3    78.1   1.60   1.84
   2021  230.0  55.5    .0    174.5   350.2  295.3    54.9   1.65   1.90
   2026  230.0  57.5    .0    172.5   340.8  326.9    13.9   1.72   1.96
   2031  230.0  59.2    .0    170.8   328.5  367.4   -38.9   1.77   2.01
   2036  230.0  60.5    .0    169.5   324.0  412.9   -88.9   1.79   2.03
   2041  230.0  61.4    .0    168.6   326.5  455.8  -129.3   1.80   2.04
   2046  230.0  62.0    .0    168.0   329.2  487.7  -158.5   1.81   2.06
   2051  230.0  62.4    .0    167.6   328.4  504.6  -176.2   1.83   2.08

------------------------------------------------------------------------
Note:  NPR is non-permanent residents; TPOP is total population;
       P20-64 is population aged 20 to 64; LF is total labour force.
       All numbers of persons are in thousands.
```

```
PMEDS-D TABLE 3: PROJECTION SUMMARY PART 3   CANADA
                ID: Higher Productivity                    DATE:  7JUL2005
-------------------------------------------------------------------------------
         TOTAL  CRUDE  CRUDE   NAT-    LIFE EXPECTANCY AT --       LF    LF
         FERT-  BIRTH  DEATH   URAL    -------------------------  PART   %
 YEAR    ILITY  RATE   RATE    INC-      AGE 0        AGE 65      RATE FEMALE
         RATE                  REASE   M      F      M      F
-------------------------------------------------------------------------------

 2001    1.53   10.8   7.3     3.5    76.9   81.9   16.7   20.4   66.0   46.0
 2006    1.50   10.2   7.3     3.0    78.4   82.6   17.5   20.8   67.8   46.7
 2011    1.50   10.1   7.5     2.7    79.5   83.2   18.1   21.2   67.3   46.9
 2016    1.50   10.0   7.7     2.2    80.4   83.8   18.5   21.5   66.1   46.9
 2021    1.50    9.7   8.1     1.5    81.0   84.2   18.9   21.8   64.0   46.7
 2026    1.50    9.1   8.8      .4    81.5   84.6   19.1   22.1   61.8   46.6
 2031    1.50    8.6   9.6    -1.0    81.8   85.0   19.4   22.4   60.2   46.7
 2036    1.50    8.4  10.7    -2.3    82.1   85.3   19.5   22.6   59.2   46.7
 2041    1.50    8.4  11.7    -3.3    82.4   85.6   19.7   22.8   58.6   46.6
 2046    1.50    8.4  12.5    -4.1    82.6   85.9   19.9   23.0   58.1   46.6
 2051    1.50    8.4  12.9    -4.5    82.8   86.1   20.0   23.2   57.6   46.6

-------------------------------------------------------------------------------
Note:  LF is total labour force.


PMEDS-D TABLE 4: PROJECTION SUMMARY PART 4   CANADA
                ID: Higher Productivity                    DATE:  7JUL2005
-------------------------------------------------------------------------------
            MEDIAN AGE OF POPULATION          MEDIAN AGE OF LF          U
 YEAR    -----------------------------------  --------------------    RATE
         TOTAL   MALE   FEMALE   AGE    AGE    TOTAL   MALE  FEMALE     (%)
                                20-64   65+
-------------------------------------------------------------------------------

 2001    37.2    36.3    38.0   40.9   73.9    39.1   39.3   38.8      7.2
 2006    38.9    37.9    39.8   42.3   74.4    40.5   40.7   40.2      7.2
 2011    40.3    39.4    41.2   43.0   73.9    41.0   41.3   40.7      7.2
 2016    41.4    40.6    42.3   43.1   73.2    41.2   41.5   40.9      7.2
 2021    42.6    41.8    43.4   43.1   73.3    41.4   41.8   41.0      7.2
 2026    43.8    43.1    44.6   43.3   73.6    41.7   42.1   41.2      7.2
 2031    45.0    44.2    45.7   43.4   74.3    41.9   42.3   41.4      7.2
 2036    46.0    45.2    46.7   43.8   75.4    42.3   42.7   41.8      7.2
 2041    46.8    45.9    47.7   44.1   76.3    42.5   42.9   42.0      7.2
 2046    47.2    46.2    48.2   44.0   76.4    42.3   42.8   41.8      7.2
 2051    47.2    46.2    48.3   43.7   76.1    42.1   42.6   41.6      7.2

-------------------------------------------------------------------------------
Note:  LF is total labour force; U RATE is total unemployment rate.
```

```
MEDS-E TABLE 1:   MAJOR DEMOGRAPHIC AND ECONOMIC AGGREGATES
                  ID:  Higher Productivity               DATE:  7JUL2005
-----------------------------------------------------------------------------
                                    Gross               Fixed   Gov't   Fixed
           Popula-  Labour  Employ  Domestic Consump Invest Current Capital
           tion     Force   -ment   Product  -tion   -ment  Expend. Stock
  YEAR     POPTOT   LFTOT   ETOT    GDP      CONSUM  ITOT   GOVC    KTOT
-----------------------------------------------------------------------------
                              - levels -

  2001     31021.   16168.  15004.  1036.0   550.2   206.3  193.9   2744.3
  2006     32485.   17755.  16476.  1221.9   662.2   277.4  234.5   3285.6
  2011     33850.   18635.  17294.  1456.3   789.2   335.2  279.5   4027.3
  2016     35157.   19124.  17747.  1696.9   919.6   395.2  325.7   4879.0
  2021     36361.   19150.  17771.  1927.9  1044.8   454.1  370.0   5827.0
  2026     37386.   19064.  17692.  2158.4  1169.7   513.2  414.3   6851.8
  2031     38155.   19019.  17650.  2384.4  1292.2   571.6  457.6   7941.6
  2036     38657.   19049.  17677.  2623.9  1422.0   632.7  503.6   9091.1
  2041     38932.   19052.  17680.  2870.4  1555.6   695.6  550.9  10301.9
  2046     39034.   18950.  17586.  3119.4  1690.5   759.3  598.7  11570.6
  2051     39022.   18759.  17408.  3371.5  1827.1   823.8  647.1  12891.7


-----------------------------------------------------------------------------
Note:  Numbers of persons are in thousands; income/expenditure figures
       are in billions of 1997 dollars.


MEDS-E TABLE 2:   MAJOR DEMOGRAPHIC AND ECONOMIC AGGREGATES
                  ID:  Higher Productivity               DATE:  7JUL2005
-----------------------------------------------------------------------------
                                    Gross               Fixed   Gov't   Fixed
           Popula-  Labour  Employ  Domestic Consump Invest Current Capital
           tion     Force   -ment   Product  -tion   -ment  Expend. Stock
  YEAR     POPTOT   LFTOT   ETOT    GDP      CONSUM  ITOT   GOVC    KTOT
-----------------------------------------------------------------------------
                         - percentage growth rates -

  2006      4.7      9.8     9.8    18.0     20.4    34.5   21.0    19.7
  2011      4.2      5.0     5.0    19.2     19.2    20.8   19.2    22.6
  2016      3.9      2.6     2.6    16.5     16.5    17.9   16.5    21.1
  2021      3.4       .1      .1    13.6     13.6    14.9   13.6    19.4
  2026      2.8      -.4     -.4    12.0     12.0    13.0   12.0    17.6
  2031      2.1      -.2     -.2    10.5     10.5    11.4   10.5    15.9
  2036      1.3       .2      .2    10.0     10.0    10.7   10.0    14.5
  2041       .7       .0      .0     9.4      9.4     9.9    9.4    13.3
  2046       .3      -.5     -.5     8.7      8.7     9.2    8.7    12.3
  2051       .0     -1.0    -1.0     8.1      8.1     8.5    8.1    11.4


-----------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.
```

```
MEDS-E TABLE 3:  RATIOS OF AGGREGATE VARIABLES
                ID:  Higher Productivity                    DATE:  7JUL2005
-----------------------------------------------------------------------------
         GDP/POPTOT          Percent of GDP--           URATE   KTOT
         ---------------   -------------------------------   (%)    ----
 Year
         index % growth  CONSUM    ITOT    GOVC   TRADEBAL            GDP
-----------------------------------------------------------------------------

 2001    100.0       .     53.1    19.9    18.7      5.8      7.2     2.6
 2006    112.6    12.6     54.2    22.7    19.2       .0      7.2     2.7
 2011    128.8    14.4     54.2    23.0    19.2       .0      7.2     2.8
 2016    144.5    12.2     54.2    23.3    19.2       .0      7.2     2.9
 2021    158.8     9.9     54.2    23.6    19.2       .0      7.2     3.0
 2026    172.9     8.9     54.2    23.8    19.2       .0      7.2     3.2
 2031    187.1     8.2     54.2    24.0    19.2       .0      7.2     3.3
 2036    203.3     8.6     54.2    24.1    19.2       .0      7.2     3.5
 2041    220.8     8.6     54.2    24.2    19.2       .0      7.2     3.6
 2046    239.3     8.4     54.2    24.3    19.2       .0      7.2     3.7
 2051    258.7     8.1     54.2    24.4    19.2       .0      7.2     3.8


-----------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.


MEDS-E TABLE 4:  PRODUCTIVITY MEASURES
                ID:  Higher Productivity                    DATE:  7JUL2005
-----------------------------------------------------------------------------
         GDP/ETOT            GDP/KTOT            KTOT/ETOT
         ---------------   ---------------   ---------------
 Year
         index   % growth   index   % growth   index   % growth
-----------------------------------------------------------------------------

 2001    100.0       .      100.0        .     100.0        .
 2006    107.4      7.4      98.5     -1.5     109.0      9.0
 2011    122.0     13.5      95.8     -2.8     127.3     16.8
 2016    138.5     13.5      92.1     -3.8     150.3     18.1
 2021    157.1     13.5      87.6     -4.9     179.3     19.3
 2026    176.7     12.5      83.5     -4.8     211.7     18.1
 2031    195.7     10.7      79.5     -4.7     246.0     16.2
 2036    215.0      9.9      76.5     -3.9     281.2     14.3
 2041    235.1      9.4      73.8     -3.5     318.6     13.3
 2046    256.9      9.3      71.4     -3.2     359.7     12.9
 2051    280.5      9.2      69.3     -3.0     404.9     12.6


-----------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.
```

```
MEDS-E TABLE 10:   PROJECTED EDUCATION OF POPULATION              BOTH SEXES
                   ID:   Higher Productivity                   DATE:  7JUL2005
-----------------------------------------------------------------------------
                        15+                              20-24
   YEAR    ---------------------------------   ---------------------------------
           E1    E2    E3    E4    E5    E6    E7    E1    E2    E3    E4    E5    E6    E7
-----------------------------------------------------------------------------
            - percentage distribution -          - percentage distribution -

   2001    9.9  17.5  19.4   9.1  28.2  10.8   5.1   1.9  11.1  23.7  25.4  28.8   8.1   1.1
   2006    7.6  16.2  18.9   9.5  29.3  12.2   6.2   1.6  11.5  22.1  27.6  28.0   8.1   1.1
   2011    5.9  14.8  18.2  10.0  30.4  13.7   7.1   1.5  11.5  21.0  29.1  27.6   8.1   1.2
   2016    4.4  13.1  17.7  10.4  31.3  15.1   7.9   1.6  11.4  19.9  30.5  27.2   8.1   1.3
   2021    3.4  11.8  17.0  10.8  32.1  16.4   8.5   1.7  11.4  18.8  31.9  26.7   8.1   1.4
   2026    2.6  11.1  16.4  11.4  32.6  17.1   8.8   1.8  11.3  17.7  33.4  26.2   8.1   1.5
   2031    2.3  10.5  15.5  12.0  33.0  17.7   9.1   1.9  11.2  16.7  34.8  25.8   8.1   1.6
   2036    2.0   9.6  14.4  12.8  33.3  18.6   9.4   1.9  11.1  15.7  36.2  25.3   8.1   1.7
   2041    1.7   8.7  12.9  13.6  33.4  19.8   9.9   2.0  11.0  14.7  37.6  24.8   8.1   1.8
   2046    1.6   7.6  11.5  14.3  34.1  20.6  10.3   2.1  10.6  13.8  39.1  24.5   8.1   1.9
   2051    1.5   6.9  10.9  15.4  33.8  20.8  10.6   2.2  10.3  12.9  40.5  24.1   8.1   2.0


-----------------------------------------------------------------------------
Note:  E1 refers to grade 8 or lower, E2 to some secondary, E3 to secondary
       school graduation, E4 to some post-secondary, E5 to post-secondary
       certificate or diploma, E6 to completed bachelor's degree, and E7
       to university degree or certificate above bachelor's.
```

```
PMEDS-D TABLE 1: PROJECTION SUMMARY PART 1   CANADA
                 ID: Rapid Economic Growth              DATE: 11JUL2005
-----------------------------------------------------------------------
         POPULATION            LABOUR FORCE       TOTAL  HOUSE   % OF TPOP
  YEAR ---------------------  ---------------------  HOUSE  -HOLD   ------------
       TOTAL CHANGE GROWTH   TOTAL CHANGE GROWTH  -HOLDS  SIZE    <15    65+
       ('000) ('000)  (%)    ('000) ('000)  (%)   ('000)
-----------------------------------------------------------------------

  2001 31021.  1411.  4.76  16168.  1283.  8.62  11960.  2.59   18.9   12.6
  2006 32485.  1464.  4.72  17820.  1652. 10.22  12884.  2.52   17.3   13.2
  2011 33850.  1365.  4.20  19020.  1200.  6.74  13791.  2.45   15.9   14.4
  2016 35157.  1308.  3.86  19925.   905.  4.76  14680.  2.39   15.4   16.6
  2021 36361.  1203.  3.42  19978.    53.   .26  15517.  2.34   15.2   19.0
  2026 37386.  1025.  2.82  19879.   -99.  -.49  16194.  2.31   14.9   21.7
  2031 38155.   769.  2.06  19805.   -74.  -.37  16713.  2.28   14.4   24.0
  2036 38657.   502.  1.32  19838.    33.   .17  17069.  2.26   13.9   25.1
  2041 38932.   274.   .71  19856.    18.   .09  17291.  2.25   13.5   25.7
  2046 39033.   102.   .26  19757.   -99.  -.50  17414.  2.24   13.4   26.3
  2051 39022.   -12.  -.03  19565.  -193.  -.97  17461.  2.23   13.5   26.9

-----------------------------------------------------------------------
Note:  TPOP is total population.
Note:  The growth rates show total growth over the preceding 5 years.


PMEDS-D TABLE 2: PROJECTION SUMMARY PART 2   CANADA
                 ID: Rapid Economic Growth              DATE: 11JUL2005
-----------------------------------------------------------------------
         IMMI-   EMI-   CHANGE   NET    BIRTHS  DEATHS  NAT-    RATIO OF TPOP
         GRA-    GRA-     IN     IN-                    URAL        TO--
         TION    TION    NPR    FLOW                    INC-    -------------
  YEAR                                                  REASE   P20-64   LF
-----------------------------------------------------------------------

  2001   253.0   55.2   36.0   233.8   332.6   225.1   107.5    1.62   1.92
  2006   230.0   48.4     .0   181.6   330.2   234.6    95.6    1.59   1.82
  2011   230.0   50.8     .0   179.2   342.0   251.3    90.7    1.58   1.78
  2016   230.0   53.2     .0   176.8   349.4   271.3    78.1    1.60   1.76
  2021   230.0   55.5     .0   174.5   350.2   295.3    54.9    1.65   1.82
  2026   230.0   57.5     .0   172.5   340.8   326.9    13.9    1.72   1.88
  2031   230.0   59.2     .0   170.8   328.5   367.4   -38.9    1.77   1.93
  2036   230.0   60.5     .0   169.5   324.0   412.9   -88.9    1.79   1.95
  2041   230.0   61.4     .0   168.6   326.5   455.8  -129.3    1.80   1.96
  2046   230.0   62.0     .0   168.0   329.2   487.7  -158.5    1.81   1.98
  2051   230.0   62.4     .0   167.6   328.4   504.6  -176.2    1.83   1.99

-----------------------------------------------------------------------
Note:  NPR is non-permanent residents; TPOP is total population;
       P20-64 is population aged 20 to 64; LF is total labour force.
       All numbers of persons are in thousands.
```

```
PMEDS-D TABLE 3: PROJECTION SUMMARY PART 3   CANADA
              ID: Rapid Economic Growth                  DATE: 11JUL2005
----------------------------------------------------------------------------
       TOTAL  CRUDE  CRUDE    NAT-    LIFE EXPECTANCY AT --      LF    LF
       FERT-  BIRTH  DEATH    URAL   --------------------------  PART   %
YEAR   ILITY  RATE   RATE     INC-     AGE 0        AGE 65      RATE  FEMALE
       RATE                   REASE   M      F      M      F
----------------------------------------------------------------------------

2001   1.53   10.8   7.3      3.5    76.9   81.9   16.7   20.4   66.0   46.0
2006   1.50   10.2   7.3      3.0    78.4   82.6   17.5   20.8   68.1   46.6
2011   1.50   10.1   7.5      2.7    79.5   83.2   18.1   21.2   68.7   46.9
2016   1.50   10.0   7.7      2.2    80.4   83.8   18.5   21.5   68.9   47.0
2021   1.50    9.7   8.1      1.5    81.0   84.2   18.9   21.8   66.7   46.9
2026   1.50    9.1   8.8       .4    81.5   84.6   19.1   22.1   64.5   46.8
2031   1.50    8.6   9.6     -1.0    81.8   85.0   19.4   22.4   62.7   46.8
2036   1.50    8.4  10.7     -2.3    82.1   85.3   19.5   22.6   61.7   46.8
2041   1.50    8.4  11.7     -3.3    82.4   85.6   19.7   22.8   61.1   46.8
2046   1.50    8.4  12.5     -4.1    82.6   85.9   19.9   23.0   60.6   46.7
2051   1.50    8.4  12.9     -4.5    82.8   86.1   20.0   23.2   60.1   46.7


----------------------------------------------------------------------------
Note:  LF is total labour force.


PMEDS-D TABLE 4: PROJECTION SUMMARY PART 4   CANADA
              ID: Rapid Economic Growth                  DATE: 11JUL2005
----------------------------------------------------------------------------
          MEDIAN AGE OF POPULATION        MEDIAN AGE OF LF        U
YEAR   ------------------------------    --------------------    RATE
       TOTAL   MALE  FEMALE   AGE    AGE  TOTAL   MALE  FEMALE    (%)
                             20-64   65+
----------------------------------------------------------------------------

2001   37.2   36.3   38.0    40.9   73.9   39.1   39.3   38.8    7.2
2006   38.9   37.9   39.8    42.3   74.4   40.5   40.7   40.2    7.2
2011   40.3   39.4   41.2    43.0   73.9   41.0   41.3   40.7    7.2
2016   41.4   40.6   42.3    43.1   73.2   41.4   41.7   41.1    7.2
2021   42.6   41.8   43.4    43.1   73.3   41.6   42.0   41.2    7.2
2026   43.8   43.1   44.6    43.3   73.6   41.9   42.3   41.4    7.2
2031   45.0   44.2   45.7    43.4   74.3   42.1   42.5   41.6    7.2
2036   46.0   45.2   46.7    43.8   75.4   42.5   42.9   42.0    7.2
2041   46.8   45.9   47.7    44.1   76.3   42.7   43.1   42.2    7.2
2046   47.2   46.2   48.2    44.0   76.4   42.5   43.0   42.0    7.2
2051   47.2   46.2   48.3    43.7   76.1   42.3   42.8   41.8    7.2


----------------------------------------------------------------------------
Note:  LF is total labour force; U RATE is total unemployment rate.
```

```
MEDS-E TABLE 1:   MAJOR DEMOGRAPHIC AND ECONOMIC AGGREGATES
                  ID:  Rapid Economic Growth              DATE: 11JUL2005
-----------------------------------------------------------------------------
                                        Gross            Fixed   Gov't   Fixed
           Popula-   Labour   Employ  Domestic Consump  Invest  Current Capital
            tion     Force    -ment   Product   -tion    -ment  Expend.  Stock
   YEAR    POPTOT    LFTOT     ETOT      GDP    CONSUM    ITOT     GOVC    KTOT
-----------------------------------------------------------------------------
                                    - levels -

   2001    31021.   16168.   15004.   1036.0    550.2    206.3   193.9   2744.3
   2006    32485.   17820.   16537.   1232.9    668.1    279.5   236.6   3286.9
   2011    33850.   19020.   17651.   1514.8    820.9    346.8   290.7   4055.0
   2016    35157.   19925.   18490.   1825.1    989.1    421.3   350.3   4977.8
   2021    36361.   19978.   18539.   2115.2   1146.3    493.9   406.0   6048.3
   2026    37386.   19879.   18448.   2402.3   1301.9    566.8   461.1   7231.1
   2031    38155.   19805.   18379.   2686.3   1455.8    639.5   515.6   8508.3
   2036    38657.   19838.   18410.   2993.8   1622.5    717.1   574.6   9875.2
   2041    38932.   19856.   18427.   3313.8   1795.9    797.8   636.0  11336.9
   2046    39034.   19757.   18335.   3630.9   1967.7    878.7   696.9  12886.9
   2051    39022.   19565.   18156.   3945.1   2138.0    959.4   757.2  14510.0


-----------------------------------------------------------------------------
Note:   Numbers of persons are in thousands; income/expenditure figures
        are in billions of 1997 dollars.


MEDS-E TABLE 2:   MAJOR DEMOGRAPHIC AND ECONOMIC AGGREGATES
                  ID:  Rapid Economic Growth              DATE: 11JUL2005
-----------------------------------------------------------------------------
                                        Gross            Fixed   Gov't   Fixed
           Popula-   Labour   Employ  Domestic Consump  Invest  Current Capital
            tion     Force    -ment   Product   -tion    -ment  Expend.  Stock
   YEAR    POPTOT    LFTOT     ETOT      GDP    CONSUM    ITOT     GOVC    KTOT
-----------------------------------------------------------------------------
                              - percentage growth rates -

   2006       4.7     10.2     10.2     19.0     21.4     35.5    22.1    19.8
   2011       4.2      6.7      6.7     22.9     22.9     24.1    22.9    23.4
   2016       3.9      4.8      4.8     20.5     20.5     21.5    20.5    22.8
   2021       3.4       .3       .3     15.9     15.9     17.2    15.9    21.5
   2026       2.8      -.5      -.5     13.6     13.6     14.7    13.6    19.6
   2031       2.1      -.4      -.4     11.8     11.8     12.8    11.8    17.7
   2036       1.3       .2       .2     11.4     11.4     12.1    11.4    16.1
   2041        .7       .1       .1     10.7     10.7     11.3    10.7    14.8
   2046        .3      -.5      -.5      9.6      9.6     10.1     9.6    13.7
   2051        .0     -1.0     -1.0      8.7      8.7      9.2     8.7    12.6


-----------------------------------------------------------------------------
Note:   The growth rates show total growth over the preceding 5 years.
```

```
MEDS-E TABLE 3:  RATIOS OF AGGREGATE VARIABLES
                 ID:  Rapid Economic Growth              DATE: 11JUL2005
------------------------------------------------------------------------
        GDP/POPTOT           Percent of GDP--          URATE   KTOT
       ---------------   -------------------------------  (%)   ----
Year                                                           ----
       index % growth  CONSUM   ITOT    GOVC   TRADEBAL          GDP
------------------------------------------------------------------------

2001   100.0      .     53.1    19.9    18.7     5.8     7.2    2.6
2006   113.6    13.6    54.2    22.7    19.2      .0     7.2    2.7
2011   134.0    17.9    54.2    22.9    19.2      .0     7.2    2.7
2016   155.5    16.0    54.2    23.1    19.2      .0     7.2    2.7
2021   174.2    12.1    54.2    23.4    19.2      .0     7.2    2.9
2026   192.4    10.5    54.2    23.6    19.2      .0     7.2    3.0
2031   210.8     9.6    54.2    23.8    19.2      .0     7.2    3.2
2036   231.9    10.0    54.2    24.0    19.2      .0     7.2    3.3
2041   254.9     9.9    54.2    24.1    19.2      .0     7.2    3.4
2046   278.5     9.3    54.2    24.2    19.2      .0     7.2    3.5
2051   302.7     8.7    54.2    24.3    19.2      .0     7.2    3.7


------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.


MEDS-E TABLE 4:  PRODUCTIVITY MEASURES
                 ID:  Rapid Economic Growth              DATE: 11JUL2005
------------------------------------------------------------------------
          GDP/ETOT            GDP/KTOT            KTOT/ETOT
       ---------------     ---------------     ---------------
Year
       index   % growth    index   % growth    index   % growth
------------------------------------------------------------------------

2001   100.0       .       100.0       .       100.0       .
2006   108.0      8.0       99.4     -.6       108.7      8.7
2011   124.3     15.1       99.0     -.4       125.6     15.6
2016   143.0     15.0       97.1    -1.8       147.2     17.2
2021   165.2     15.6       92.6    -4.6       178.4     21.2
2026   188.6     14.1       88.0    -5.0       214.3     20.1
2031   211.7     12.2       83.6    -5.0       253.1     18.1
2036   235.5     11.3       80.3    -4.0       293.3     15.9
2041   260.5     10.6       77.4    -3.6       336.4     14.7
2046   286.8     10.1       74.6    -3.6       384.3     14.2
2051   314.7      9.7       72.0    -3.5       436.9     13.7


------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.
```

```
MEDS-E TABLE 10:  PROJECTED EDUCATION OF POPULATION              BOTH SEXES
                  ID:  Rapid Economic Growth              DATE: 11JUL2005
------------------------------------------------------------------------------
                        15+                              20-24
        ----------------------------------  ----------------------------------
  YEAR
        E1   E2   E3   E4   E5   E6   E7    E1   E2   E3   E4   E5   E6   E7
------------------------------------------------------------------------------
          - percentage distribution -         - percentage distribution -

  2001  9.9 17.5 19.4  9.1 28.2 10.8  5.1   1.9 11.1 23.7 25.4 28.8  8.1  1.1
  2006  7.6 15.0 18.7  9.3 30.2 12.7  6.5   1.2   .1 23.2 30.2 33.9 10.0  1.4
  2011  5.8 13.0 17.5  9.0 32.2 14.8  7.7   1.2   .1 20.7 30.9 34.8 10.6  1.6
  2016  4.2 11.1 16.1  8.4 34.0 17.1  9.1   1.2   .1 18.7 31.8 35.3 11.1  1.8
  2021  3.2  9.7 14.7  7.9 35.5 18.9 10.1   1.3   .1 17.3 33.7 34.5 11.1  2.0
  2026  2.4  8.8 13.5  7.8 36.5 20.1 10.9   1.4   .1 15.9 35.6 33.8 11.1  2.1
  2031  2.1  8.0 12.0  7.7 37.5 21.2 11.5   1.4   .1 14.6 37.5 33.0 11.1  2.2
  2036  1.9  6.9 10.3  7.6 38.4 22.7 12.2   1.5   .1 13.4 39.2 32.4 11.1  2.3
  2041  1.6  5.8  8.4  7.4 39.2 24.5 13.1   1.5   .1 12.1 40.9 31.7 11.2  2.5
  2046  1.4  4.4  6.5  6.8 40.7 26.0 14.2   1.6   .1 11.3 42.3 30.9 11.2  2.6
  2051  1.4  3.3  5.2  5.8 41.7 27.5 15.2   1.6   .1 10.8 43.6 30.1 11.1  2.7

------------------------------------------------------------------------------
Note:  E1 refers to grade 8 or lower, E2 to some secondary, E3 to secondary
       school graduation, E4 to some post-secondary, E5 to post-secondary
       certificate or diploma, E6 to completed bachelor's degree, and E7
       to university degree or certificate above bachelor's.
```

```
PMEDS-D TABLE 1: PROJECTION SUMMARY PART 1   CANADA
                ID: Slow Economic Growth            DATE:  7JUL2005
--------------------------------------------------------------------------------
       POPULATION            LABOUR FORCE       TOTAL  HOUSE    % OF TPOP
 YEAR --------------------  -------------------  HOUSE  -HOLD   ------------
      TOTAL CHANGE GROWTH   TOTAL CHANGE GROWTH  -HOLDS  SIZE    <15    65+
      ('000) ('000)  (%)    ('000) ('000)  (%)   ('000)
--------------------------------------------------------------------------------

 2001 31021.  1411.  4.76   16168.  1283.  8.62  11960.  2.59   18.9   12.6
 2006 32485.  1464.  4.72   17755.  1587.  9.81  12884.  2.52   17.3   13.2
 2011 33850.  1365.  4.20   18635.   881.  4.96  13791.  2.45   15.9   14.4
 2016 35157.  1308.  3.86   19124.   489.  2.62  14680.  2.39   15.4   16.6
 2021 36361.  1203.  3.42   19150.    26.   .14  15517.  2.34   15.2   19.0
 2026 37386.  1025.  2.82   19064.   -85.  -.45  16194.  2.31   14.9   21.7
 2031 38155.   769.  2.06   19019.   -45.  -.24  16713.  2.28   14.4   24.0
 2036 38657.   502.  1.32   19049.    30.   .16  17069.  2.26   13.9   25.1
 2041 38932.   274.   .71   19052.     3.   .02  17291.  2.25   13.5   25.7
 2046 39033.   102.   .26   18950.  -102.  -.54  17414.  2.24   13.4   26.3
 2051 39022.   -12.  -.03   18759.  -191. -1.01  17461.  2.23   13.5   26.9

--------------------------------------------------------------------------------
Note:  TPOP is total population.
Note:  The growth rates show total growth over the preceding 5 years.


PMEDS-D TABLE 2: PROJECTION SUMMARY PART 2   CANADA
                ID: Slow Economic Growth            DATE:  7JUL2005
--------------------------------------------------------------------------------
        IMMI-   EMI-  CHANGE   NET   BIRTHS  DEATHS  NAT-   RATIO OF TPOP
        GRA-    GRA-    IN    IN-                    URAL      TO--
        TION    TION   NPR    FLOW                  INC-   -------------
 YEAR                                               REASE  P20-64   LF
--------------------------------------------------------------------------------

 2001   253.0   55.2   36.0  233.8  332.6  225.1   107.5   1.62   1.92
 2006   230.0   48.4     .0  181.6  330.2  234.6    95.6   1.59   1.83
 2011   230.0   50.8     .0  179.2  342.0  251.3    90.7   1.58   1.82
 2016   230.0   53.2     .0  176.8  349.4  271.3    78.1   1.60   1.84
 2021   230.0   55.5     .0  174.5  350.2  295.3    54.9   1.65   1.90
 2026   230.0   57.5     .0  172.5  340.8  326.9    13.9   1.72   1.96
 2031   230.0   59.2     .0  170.8  328.5  367.4   -38.9   1.77   2.01
 2036   230.0   60.5     .0  169.5  324.0  412.9   -88.9   1.79   2.03
 2041   230.0   61.4     .0  168.6  326.5  455.8  -129.3   1.80   2.04
 2046   230.0   62.0     .0  168.0  329.2  487.7  -158.5   1.81   2.06
 2051   230.0   62.4     .0  167.6  328.4  504.6  -176.2   1.83   2.08

--------------------------------------------------------------------------------
Note:  NPR is non-permanent residents; TPOP is total population;
       P20-64 is population aged 20 to 64; LF is total labour force.
       All numbers of persons are in thousands.
```

```
PMEDS-D TABLE 3: PROJECTION SUMMARY PART 3   CANADA
                 ID: Slow Economic Growth                    DATE:  7JUL2005
--------------------------------------------------------------------------------
          TOTAL  CRUDE  CRUDE   NAT-     LIFE EXPECTANCY AT --        LF    LF
          FERT-  BIRTH  DEATH   URAL   -------------------------    PART    %
  YEAR    ILITY  RATE   RATE    INC-       AGE 0         AGE 65     RATE  FEMALE
          RATE                  REASE    M      F       M      F
--------------------------------------------------------------------------------

  2001    1.53   10.8    7.3     3.5    76.9   81.9    16.7   20.4   66.0   46.0
  2006    1.50   10.2    7.3     3.0    78.4   82.6    17.5   20.8   67.8   46.7
  2011    1.50   10.1    7.5     2.7    79.5   83.2    18.1   21.2   67.3   46.9
  2016    1.50   10.0    7.7     2.2    80.4   83.8    18.5   21.5   66.1   46.9
  2021    1.50    9.7    8.1     1.5    81.0   84.2    18.9   21.8   64.0   46.7
  2026    1.50    9.1    8.8      .4    81.5   84.6    19.1   22.1   61.8   46.6
  2031    1.50    8.6    9.6    -1.0    81.8   85.0    19.4   22.4   60.2   46.7
  2036    1.50    8.4   10.7    -2.3    82.1   85.3    19.5   22.6   59.2   46.7
  2041    1.50    8.4   11.7    -3.3    82.4   85.6    19.7   22.8   58.6   46.6
  2046    1.50    8.4   12.5    -4.1    82.6   85.9    19.9   23.0   58.1   46.6
  2051    1.50    8.4   12.9    -4.5    82.8   86.1    20.0   23.2   57.6   46.6

--------------------------------------------------------------------------------
Note:  LF is total labour force.


PMEDS-D TABLE 4: PROJECTION SUMMARY PART 4   CANADA
                 ID: Slow Economic Growth                    DATE:  7JUL2005
--------------------------------------------------------------------------------
            MEDIAN AGE OF POPULATION          MEDIAN AGE OF LF         U
  YEAR    ---------------------------------   ---------------------   RATE
          TOTAL   MALE   FEMALE   AGE    AGE   TOTAL   MALE   FEMALE   (%)
                                  20-64  65+
--------------------------------------------------------------------------------

  2001    37.2    36.3    38.0    40.9   73.9   39.1   39.3    38.8    7.2
  2006    38.9    37.9    39.8    42.3   74.4   40.5   40.7    40.2    7.2
  2011    40.3    39.4    41.2    43.0   73.9   41.0   41.3    40.7    7.2
  2016    41.4    40.6    42.3    43.1   73.2   41.2   41.5    40.9    7.2
  2021    42.6    41.8    43.4    43.1   73.3   41.4   41.8    41.0    7.2
  2026    43.8    43.1    44.6    43.3   73.6   41.7   42.1    41.2    7.2
  2031    45.0    44.2    45.7    43.4   74.3   41.9   42.3    41.4    7.2
  2036    46.0    45.2    46.7    43.8   75.4   42.3   42.7    41.8    7.2
  2041    46.8    45.9    47.7    44.1   76.3   42.5   42.9    42.0    7.2
  2046    47.2    46.2    48.2    44.0   76.4   42.3   42.8    41.8    7.2
  2051    47.2    46.2    48.3    43.7   76.1   42.1   42.6    41.6    7.2

--------------------------------------------------------------------------------
Note:  LF is total labour force; U RATE is total unemployment rate.
```

```
MEDS-E TABLE 1:   MAJOR DEMOGRAPHIC AND ECONOMIC AGGREGATES
                  ID: Slow Economic Growth                  DATE:  7JUL2005
-------------------------------------------------------------------------------
                                       Gross           Fixed   Gov't   Fixed
            Popula-  Labour   Employ  Domestic Consump  Invest Current Capital
            tion     Force    -ment   Product  -tion    -ment  Expend.  Stock
   YEAR     POPTOT   LFTOT    ETOT     GDP     CONSUM   ITOT    GOVC     KTOT
-------------------------------------------------------------------------------
                                     - levels -

   2001     31021.   16168.   15004.  1036.0   550.2   206.3   193.9   2744.3
   2006     32485.   17755.   16476.  1197.7   649.1   272.9   229.9   3283.5
   2011     33850.   18635.   17294.  1358.9   736.5   315.9   260.8   3977.9
   2016     35157.   19124.   17747.  1515.3   821.2   357.7   290.8   4721.1
   2021     36361.   19150.   17771.  1645.0   891.5   393.9   315.7   5493.4
   2026     37386.   19064.   17692.  1758.2   952.9   426.2   337.5   6269.9
   2031     38155.   19019.   17650.  1853.2  1004.3   453.9   355.7   7035.0
   2036     38657.   19049.   17677.  1944.0  1053.6   480.0   373.1   7780.0
   2041     38932.   19052.   17680.  2026.4  1098.2   503.6   388.9   8502.2
   2046     39034.   18950.   17586.  2097.6  1136.8   524.4   402.6   9196.2
   2051     39022.   18759.   17408.  2158.7  1169.9   542.5   414.3   9856.4


-------------------------------------------------------------------------------
Note:   Numbers of persons are in thousands; income/expenditure figures
        are in billions of 1997 dollars.


MEDS-E TABLE 2:   MAJOR DEMOGRAPHIC AND ECONOMIC AGGREGATES
                  ID: Slow Economic Growth                  DATE:  7JUL2005
-------------------------------------------------------------------------------
                                       Gross           Fixed   Gov't   Fixed
            Popula-  Labour   Employ  Domestic Consump  Invest Current Capital
            tion     Force    -ment   Product  -tion    -ment  Expend.  Stock
   YEAR     POPTOT   LFTOT    ETOT     GDP     CONSUM   ITOT    GOVC     KTOT
-------------------------------------------------------------------------------
                              - percentage growth rates -

   2006      4.7      9.8      9.8    15.6     18.0    32.3    18.6    19.6
   2011      4.2      5.0      5.0    13.5     13.5    15.8    13.5    21.1
   2016      3.9      2.6      2.6    11.5     11.5    13.2    11.5    18.7
   2021      3.4       .1       .1     8.6      8.6    10.1     8.6    16.4
   2026      2.8      -.4      -.4     6.9      6.9     8.2     6.9    14.1
   2031      2.1      -.2      -.2     5.4      5.4     6.5     5.4    12.2
   2036      1.3       .2       .2     4.9      4.9     5.7     4.9    10.6
   2041       .7       .0       .0     4.2      4.2     4.9     4.2     9.3
   2046       .3      -.5      -.5     3.5      3.5     4.1     3.5     8.2
   2051       .0     -1.0     -1.0     2.9      2.9     3.5     2.9     7.2


-------------------------------------------------------------------------------
Note:   The growth rates show total growth over the preceding 5 years.
```

```
MEDS-E TABLE 3:  RATIOS OF AGGREGATE VARIABLES
                ID: Slow Economic Growth                   DATE:  7JUL2005
--------------------------------------------------------------------------------
        GDP/POPTOT          Percent of GDP--              URATE   KTOT
       ---------------   ------------------------------    (%)    ----
Year                                                              
       index % growth   CONSUM   ITOT    GOVC   TRADEBAL          GDP
--------------------------------------------------------------------------------

2001   100.0      .      53.1    19.9    18.7     5.8      7.2    2.6
2006   110.4    10.4     54.2    22.8    19.2      .0      7.2    2.7
2011   120.2     8.9     54.2    23.2    19.2      .0      7.2    2.9
2016   129.1     7.4     54.2    23.6    19.2      .0      7.2    3.1
2021   135.5     5.0     54.2    23.9    19.2      .0      7.2    3.3
2026   140.8     4.0     54.2    24.2    19.2      .0      7.2    3.6
2031   145.4     3.3     54.2    24.5    19.2      .0      7.2    3.8
2036   150.6     3.5     54.2    24.7    19.2      .0      7.2    4.0
2041   155.9     3.5     54.2    24.9    19.2      .0      7.2    4.2
2046   160.9     3.2     54.2    25.0    19.2      .0      7.2    4.4
2051   165.7     2.9     54.2    25.1    19.2      .0      7.2    4.6

--------------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.


MEDS-E TABLE 4:  PRODUCTIVITY MEASURES
                ID: Slow Economic Growth                   DATE:  7JUL2005
--------------------------------------------------------------------------------
        GDP/ETOT            GDP/KTOT             KTOT/ETOT
       ---------------    ---------------     ---------------
Year                                                          
       index  % growth    index  % growth     index  % growth
--------------------------------------------------------------------------------

2001   100.0      .       100.0      .        100.0      .
2006   105.3     5.3       96.6    -3.4       109.0     9.0
2011   113.8     8.1       90.5    -6.3       125.8    15.4
2016   123.7     8.7       85.0    -6.0       145.4    15.7
2021   134.1     8.4       79.3    -6.7       169.0    16.2
2026   143.9     7.4       74.3    -6.4       193.8    14.6
2031   152.1     5.7       69.8    -6.1       217.9    12.5
2036   159.3     4.7       66.2    -5.1       240.6    10.4
2041   166.0     4.2       63.1    -4.6       262.9     9.3
2046   172.8     4.1       60.4    -4.3       285.9     8.7
2051   179.6     4.0       58.0    -4.0       309.5     8.3

--------------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.
```

```
EDS-E TABLE 10:   PROJECTED EDUCATION OF POPULATION              BOTH SEXES
                  ID: Slow Economic Growth                DATE:  7JUL2005
-----------------------------------------------------------------------------
                      15+                              20-24
  YEAR    --------------------------------   --------------------------------
          E1   E2   E3   E4   E5   E6   E7    E1   E2   E3   E4   E5   E6   E7
-----------------------------------------------------------------------------
           - percentage distribution -         - percentage distribution -

  2001    9.9 17.5 19.4  9.1 28.2 10.8  5.1   1.9 11.1 23.7 25.4 28.8  8.1  1.1
  2006    7.6 16.2 18.9  9.5 29.3 12.2  6.2   1.6 11.5 22.1 27.6 28.0  8.1  1.1
  2011    5.9 14.8 18.2 10.0 30.4 13.7  7.1   1.5 11.5 21.0 29.1 27.6  8.1  1.2
  2016    4.4 13.1 17.7 10.4 31.3 15.1  7.9   1.6 11.4 19.9 30.5 27.2  8.1  1.3
  2021    3.4 11.8 17.0 10.8 32.1 16.4  8.5   1.7 11.4 18.8 31.9 26.7  8.1  1.4
  2026    2.6 11.1 16.4 11.4 32.6 17.1  8.8   1.8 11.3 17.7 33.4 26.2  8.1  1.5
  2031    2.3 10.5 15.5 12.0 33.0 17.7  9.1   1.9 11.2 16.7 34.8 25.8  8.1  1.6
  2036    2.0  9.6 14.4 12.8 33.3 18.6  9.4   1.9 11.1 15.7 36.2 25.3  8.1  1.7
  2041    1.7  8.7 12.9 13.6 33.4 19.8  9.9   2.0 11.0 14.7 37.6 24.8  8.1  1.8
  2046    1.6  7.6 11.5 14.3 34.1 20.6 10.3   2.1 10.6 13.8 39.1 24.5  8.1  1.9
  2051    1.5  6.9 10.9 15.4 33.8 20.8 10.6   2.2 10.3 12.9 40.5 24.1  8.1  2.0


-----------------------------------------------------------------------------
Note:  E1 refers to grade 8 or lower, E2 to some secondary, E3 to secondary
       school graduation, E4 to some post-secondary, E5 to post-secondary
       certificate or diploma, E6 to completed bachelor's degree, and E7
       to university degree or certificate above bachelor's.
```

```
PMEDS-D TABLE 1: PROJECTION SUMMARY PART 1   CANADA
                ID: Rapid Growth                      DATE: 11JUL2005
---------------------------------------------------------------------------
         POPULATION            LABOUR FORCE        TOTAL  HOUSE   % OF TPOP
      --------------------  -------------------    HOUSE  -HOLD   -----------
YEAR
      TOTAL CHANGE GROWTH   TOTAL CHANGE GROWTH   -HOLDS   SIZE   <15    65+
      ('000) ('000)  (%)    ('000) ('000)  (%)    ('000)
---------------------------------------------------------------------------

 2001 31021.  1411.  4.76  16168.  1283.  8.62  11960.   2.59  18.9   12.6
 2006 32642.  1621.  5.22  17850.  1682. 10.40  12906.   2.53  17.6   13.2
 2011 34717.  2076.  6.36  19210.  1360.  7.62  13926.   2.49  17.3   14.1
 2016 37014.  2297.  6.62  20292.  1082.  5.63  14952.   2.48  18.4   15.8
 2021 39250.  2236.  6.04  20581.   289.  1.43  15943.   2.46  19.3   17.7
 2026 41335.  2085.  5.31  20934.   353.  1.72  16794.   2.46  19.3   19.9
 2031 43226.  1892.  4.58  21551.   616.  2.94  17552.   2.46  18.5   21.7
 2036 45012.  1786.  4.13  22372.   822.  3.81  18310.   2.46  18.0   22.4
 2041 46802.  1790.  3.98  23188.   815.  3.64  19070.   2.45  18.0   22.5
 2046 48597.  1795.  3.84  23886.   698.  3.01  19780.   2.46  18.5   22.6
 2051 50349.  1753.  3.61  24563.   676.  2.83  20435.   2.46  19.0   22.7

---------------------------------------------------------------------------
Note:  TPOP is total population.
Note:  The growth rates show total growth over the preceding 5 years.


PMEDS-D TABLE 2: PROJECTION SUMMARY PART 2   CANADA
                ID: Rapid Growth                      DATE: 11JUL2005
---------------------------------------------------------------------------
        IMMI-  EMI-  CHANGE   NET   BIRTHS  DEATHS  NAT-   RATIO OF TPOP
        GRA-   GRA-    IN    IN-                    URAL       TO--
        TION   TION   NPR    FLOW                   INC-   -------------
YEAR                                               REASE   P20-64    LF
---------------------------------------------------------------------------

 2001   253.0  55.2   36.0   233.8  332.6  225.1  107.5    1.62    1.92
 2006   280.0  48.5    .0    231.5  376.8  234.2  142.6    1.59    1.83
 2011   280.0  51.9    .0    228.1  464.7  250.0  214.7    1.61    1.81
 2016   280.0  55.7    .0    224.3  501.4  268.1  233.3    1.66    1.82
 2021   280.0  59.6    .0    220.4  507.0  289.3  217.7    1.73    1.91
 2026   280.0  63.3    .0    216.7  501.8  317.3  184.5    1.82    1.97
 2031   280.0  66.7    .0    213.3  506.4  354.1  152.3    1.87    2.01
 2036   280.0  70.0    .0    210.0  542.6  397.3  145.2    1.87    2.01
 2041   280.0  73.3    .0    206.7  593.5  440.3  153.3    1.87    2.02
 2046   280.0  76.7    .0    203.3  628.3  474.7  153.6    1.89    2.03
 2051   280.0  80.0    .0    200.0  642.4  496.2  146.2    1.90    2.05

---------------------------------------------------------------------------
Note:  NPR is non-permanent residents; TPOP is total population;
       P20-64 is population aged 20 to 64; LF is total labour force.
       All numbers of persons are in thousands.
```

```
PMEDS-D TABLE 3: PROJECTION SUMMARY PART 3   CANADA
               ID: Rapid Growth                       DATE: 11JUL2005
------------------------------------------------------------------------
       TOTAL  CRUDE  CRUDE   NAT-    LIFE EXPECTANCY AT --     LF    LF
       FERT-  BIRTH  DEATH   URAL   -------------------------  PART   %
YEAR   ILITY  RATE   RATE    INC-     AGE 0        AGE 65      RATE FEMALE
       RATE                  REASE   M      F      M      F
------------------------------------------------------------------------

2001   1.53   10.8    7.3    3.5   76.9   81.9   16.7   20.4   66.0   46.0
2006   1.74   11.6    7.2    4.4   78.4   82.7   17.5   20.8   68.1   46.6
2011   2.04   13.5    7.2    6.2   79.7   83.4   18.1   21.3   68.8   46.9
2016   2.10   13.6    7.3    6.3   80.6   84.0   18.7   21.7   69.0   47.1
2021   2.10   13.0    7.4    5.6   81.4   84.7   19.1   22.1   66.9   46.9
2026   2.10   12.2    7.7    4.5   82.1   85.3   19.5   22.6   64.7   46.9
2031   2.10   11.8    8.2    3.5   82.6   85.9   19.8   23.0   63.2   46.9
2036   2.10   12.1    8.9    3.2   83.1   86.4   20.2   23.4   62.7   46.9
2041   2.10   12.7    9.4    3.3   83.5   86.9   20.5   23.7   62.5   46.9
2046   2.10   13.0    9.8    3.2   83.9   87.4   20.7   24.1   62.4   46.9
2051   2.10   12.8    9.9    2.9   84.3   87.8   21.0   24.4   62.3   46.8

------------------------------------------------------------------------
Note:  LF is total labour force.


PMEDS-D TABLE 4: PROJECTION SUMMARY PART 4   CANADA
               ID: Rapid Growth                       DATE: 11JUL2005
------------------------------------------------------------------------
         MEDIAN AGE OF POPULATION         MEDIAN AGE OF LF        U
YEAR   -----------------------------------  -------------------   RATE
       TOTAL   MALE  FEMALE   AGE    AGE   TOTAL   MALE  FEMALE   (%)
                             20-64   65+
------------------------------------------------------------------------

2001    37.2   36.3   38.0   40.9   73.9   39.1   39.3   38.8    7.2
2006    38.7   37.8   39.7   42.3   74.4   40.5   40.7   40.2    7.2
2011    39.5   38.6   40.4   42.9   73.9   40.9   41.2   40.6    7.2
2016    39.9   39.1   40.7   42.9   73.2   41.3   41.6   40.9    7.2
2021    40.4   39.7   41.2   43.0   73.3   41.4   41.8   41.0    7.2
2026    41.0   40.3   41.8   43.0   73.7   41.4   41.9   40.9    7.2
2031    41.5   40.7   42.3   42.8   74.3   41.2   41.6   40.7    7.2
2036    41.8   40.9   42.7   42.6   75.4   40.9   41.4   40.5    7.2
2041    41.4   40.4   42.5   42.1   76.4   40.3   40.8   39.9    7.2
2046    40.6   39.5   41.6   41.3   76.5   39.7   40.1   39.3    7.2
2051    40.3   39.3   41.3   41.1   76.3   39.7   40.0   39.3    7.2

------------------------------------------------------------------------
Note:  LF is total labour force; U RATE is total unemployment rate.
```

```
MEDS-E TABLE 1:   MAJOR DEMOGRAPHIC AND ECONOMIC AGGREGATES
                  ID:  Rapid Growth                      DATE: 11JUL2005
------------------------------------------------------------------------
                                    Gross             Fixed   Gov't  Fixed
            Popula-   Labour  Employ Domestic Consump Invest Current Capital
             tion     Force   -ment  Product  -tion   -ment  Expend. Stock
   YEAR     POPTOT    LFTOT   ETOT    GDP     CONSUM   ITOT    GOVC    KTOT
------------------------------------------------------------------------
                                - levels -

   2001    31021.   16168.  15004.  1036.0   550.2    206.3   193.9  2744.3
   2006    32642.   17850.  16565.  1234.5   669.0    279.8   236.9  3286.9
   2011    34717.   19210.  17827.  1527.0   827.5    349.1   293.1  4059.9
   2016    37014.   20292.  18831.  1853.0  1004.2    427.0   355.6  4998.1
   2021    39250.   20581.  19099.  2164.9  1173.2    504.3   415.5  6097.9
   2026    41335.   20934.  19427.  2485.4  1346.9    584.4   477.0  7329.2
   2031    43226.   21551.  19999.  2822.9  1529.8    668.6   541.8  8684.5
   2036    45012.   22373.  20762.  3215.1  1742.4    764.6   617.1 10177.4
   2041    46802.   23188.  21518.  3656.3  1981.5    871.9   701.8 11836.8
   2046    48597.   23886.  22166.  4129.7  2238.1    987.7   792.6 13678.5
   2051    50349.   24563.  22794.  4638.5  2513.8   1112.5   890.3 15707.0


------------------------------------------------------------------------
Note:   Numbers of persons are in thousands; income/expenditure figures
        are in billions of 1997 dollars.


MEDS-E TABLE 2:   MAJOR DEMOGRAPHIC AND ECONOMIC AGGREGATES
                  ID:  Rapid Growth                      DATE: 11JUL2005
------------------------------------------------------------------------
                                    Gross             Fixed   Gov't  Fixed
            Popula-   Labour  Employ Domestic Consump Invest Current Capital
             tion     Force   -ment  Product  -tion   -ment  Expend. Stock
   YEAR     POPTOT    LFTOT   ETOT    GDP     CONSUM   ITOT    GOVC    KTOT
------------------------------------------------------------------------
                        - percentage growth rates -

   2006       5.2     10.4    10.4    19.2    21.6     35.6    22.2    19.8
   2011       6.4      7.6     7.6    23.7    23.7     24.8    23.7    23.5
   2016       6.6      5.6     5.6    21.3    21.3     22.3    21.3    23.1
   2021       6.0      1.4     1.4    16.8    16.8     18.1    16.8    22.0
   2026       5.3      1.7     1.7    14.8    14.8     15.9    14.8    20.2
   2031       4.6      2.9     2.9    13.6    13.6     14.4    13.6    18.5
   2036       4.1      3.8     3.8    13.9    13.9     14.3    13.9    17.2
   2041       4.0      3.6     3.6    13.7    13.7     14.0    13.7    16.3
   2046       3.8      3.0     3.0    12.9    12.9     13.3    12.9    15.6
   2051       3.6      2.8     2.8    12.3    12.3     12.6    12.3    14.8


------------------------------------------------------------------------
Note:   The growth rates show total growth over the preceding 5 years.
```

```
MEDS-E TABLE 3:  RATIOS OF AGGREGATE VARIABLES
                ID:  Rapid Growth                           DATE: 11JUL2005
-----------------------------------------------------------------------------
         GDP/POPTOT          Percent of GDP--            URATE   KTOT
        ---------------   ------------------------------  (%)    ----
 Year                                                            
        index % growth  CONSUM   ITOT    GOVC  TRADEBAL           GDP
-----------------------------------------------------------------------------

 2001   100.0       .     53.1   19.9   18.7     5.8      7.2    2.6
 2006   113.2    13.2     54.2   22.7   19.2      .0      7.2    2.7
 2011   131.7    16.3     54.2   22.9   19.2      .0      7.2    2.7
 2016   149.9    13.8     54.2   23.0   19.2      .0      7.2    2.7
 2021   165.2    10.2     54.2   23.3   19.2      .0      7.2    2.8
 2026   180.1     9.0     54.2   23.5   19.2      .0      7.2    2.9
 2031   195.6     8.6     54.2   23.7   19.2      .0      7.2    3.1
 2036   213.9     9.4     54.2   23.8   19.2      .0      7.2    3.2
 2041   233.9     9.4     54.2   23.8   19.2      .0      7.2    3.2
 2046   254.5     8.8     54.2   23.9   19.2      .0      7.2    3.3
 2051   275.9     8.4     54.2   24.0   19.2      .0      7.2    3.4


-----------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.


MEDS-E TABLE 4:  PRODUCTIVITY MEASURES
                ID:  Rapid Growth                           DATE: 11JUL2005
-----------------------------------------------------------------------------
         GDP/ETOT            GDP/KTOT            KTOT/ETOT
        ---------------    ---------------     ---------------
 Year                                                       
        index   % growth   index   % growth    index   % growth
-----------------------------------------------------------------------------

 2001   100.0       .      100.0       .       100.0       .
 2006   107.9     7.9       99.5     -.5       108.5     8.5
 2011   124.1    14.9       99.6      .1       124.5    14.8
 2016   142.5    14.9       98.2    -1.4       145.1    16.5
 2021   164.2    15.2       94.0    -4.2       174.6    20.3
 2026   185.3    12.9       89.8    -4.5       206.3    18.2
 2031   204.4    10.3       86.1    -4.1       237.4    15.1
 2036   224.3     9.7       83.7    -2.8       268.0    12.9
 2041   246.1     9.7       81.8    -2.2       300.7    12.2
 2046   269.8     9.6       80.0    -2.3       337.4    12.2
 2051   294.7     9.2       78.2    -2.2       376.7    11.7


-----------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.
```

```
MEDS-E TABLE 10:  PROJECTED EDUCATION OF POPULATION                 BOTH SEXES
                 ID:  Rapid Growth                              DATE: 11JUL2005
--------------------------------------------------------------------------------
                       15+                              20-24
        --------------------------------- ---------------------------------
  YEAR
        E1   E2   E3   E4   E5   E6   E7   E1   E2   E3   E4   E5   E6   E7
--------------------------------------------------------------------------------
         - percentage distribution -        - percentage distribution -

  2001  9.9 17.5 19.4  9.1 28.2 10.8  5.1  1.9 11.1 23.7 25.4 28.8  8.1  1.1
  2006  7.6 15.0 18.7  9.3 30.1 12.7  6.5  1.2   .1 23.2 30.2 33.9 10.0  1.4
  2011  5.7 12.9 17.5  9.0 32.0 14.9  7.9  1.3   .1 20.6 31.0 34.7 10.7  1.7
  2016  4.2 11.1 16.0  8.3 33.8 17.2  9.4  1.3   .1 18.5 32.0 35.0 11.1  1.9
  2021  3.2  9.8 14.5  8.0 35.1 19.1 10.4  1.4   .1 17.1 34.0 34.2 11.2  2.0
  2026  2.4  9.4 13.2  8.1 35.7 20.1 11.1  1.4   .1 15.8 36.0 33.3 11.2  2.2
  2031  2.1  8.9 11.7  8.5 36.3 21.0 11.6  1.5   .1 14.5 37.9 32.6 11.2  2.3
  2036  1.8  7.6 10.0  8.6 37.1 22.5 12.3  1.5   .1 13.2 39.6 31.9 11.2  2.4
  2041  1.6  6.5  8.0  8.4 37.7 24.4 13.4  1.6   .1 12.0 41.2 31.4 11.2  2.5
  2046  1.4  5.1  6.2  7.8 38.9 25.9 14.6  1.6   .1 11.2 42.6 30.7 11.2  2.6
  2051  1.4  4.1  4.9  6.9 39.6 27.3 15.7  1.6   .1 10.7 43.7 29.9 11.2  2.7


--------------------------------------------------------------------------------
Note:  E1 refers to grade 8 or lower, E2 to some secondary, E3 to secondary
       school graduation, E4 to some post-secondary, E5 to post-secondary
       certificate or diploma, E6 to completed bachelor's degree, and E7
       to university degree or certificate above bachelor's.
```

```
PMEDS-D TABLE 1: PROJECTION SUMMARY PART 1   CANADA
                ID: Slow Growth                      DATE:  7JUL2005
--------------------------------------------------------------------------
          POPULATION            LABOUR FORCE        TOTAL  HOUSE   % OF TPOP
     -------------------- -------------------- HOUSE  -HOLD  ------------
YEAR TOTAL CHANGE GROWTH  TOTAL CHANGE GROWTH -HOLDS  SIZE   <15    65+
     ('000) ('000)  (%)   ('000) ('000)  (%)  ('000)
--------------------------------------------------------------------------

 2001 31021.  1411.  4.76  16168.  1283.  8.62  11960.  2.59  18.9   12.6
 2006 32381.  1359.  4.38  17725.  1557.  9.63  12865.  2.52  17.1   13.3
 2011 33259.   878.  2.71  18448.   723.  4.08  13669.  2.43  15.2   14.6
 2016 33936.   677.  2.04  18766.   318.  1.73  14434.  2.35  13.8   17.0
 2021 34480.   544.  1.60  18586.  -180.  -.96  15130.  2.28  12.9   19.8
 2026 34824.   344.  1.00  18186.  -399. -2.15  15646.  2.23  12.4   22.9
 2031 34882.    58.   .17  17719.  -468. -2.57  15960.  2.19  12.0   25.6
 2036 34617.  -265.  -.76  17290.  -428. -2.42  16021.  2.16  11.5   27.0
 2041 34053.  -564. -1.63  16842.  -448. -2.59  15878.  2.14  11.0   27.8
 2046 33271.  -782. -2.30  16305.  -537. -3.19  15616.  2.13  10.7   28.7
 2051 32376.  -896. -2.69  15673.  -631. -3.87  15274.  2.12  10.5   29.6

--------------------------------------------------------------------------
Note:  TPOP is total population.
Note:  The growth rates show total growth over the preceding 5 years.


PMEDS-D TABLE 2: PROJECTION SUMMARY PART 2   CANADA
                ID: Slow Growth                      DATE:  7JUL2005
--------------------------------------------------------------------------
        IMMI-   EMI-   CHANGE   NET    BIRTHS  DEATHS  NAT-   RATIO OF TPOP
        GRA-    GRA-     IN     IN-                    URAL       TO--
        TION    TION    NPR    FLOW                   INC-   -------------
YEAR                                                  REASE  P20-64    LF
--------------------------------------------------------------------------

 2001   253.0   55.2    36.0   233.8   332.6   225.1   107.5   1.62   1.92
 2006   180.0   48.3     .0    131.7   306.7   235.0    71.7   1.59   1.83
 2011   180.0   50.1     .0    129.9   279.5   252.8    26.7   1.57   1.80
 2016   180.0   51.5     .0    128.5   272.0   274.6    -2.6   1.57   1.81
 2021   180.0   52.8     .0    127.2   270.1   301.5   -31.4   1.61   1.86
 2026   180.0   53.8     .0    126.2   259.0   336.9   -77.9   1.66   1.91
 2031   180.0   54.3     .0    125.7   241.7   381.4  -139.7   1.72   1.97
 2036   180.0   54.4     .0    125.6   225.3   429.3  -204.1   1.75   2.00
 2041   180.0   54.0     .0    126.0   212.6   472.0  -259.4   1.76   2.02
 2046   180.0   53.1     .0    126.9   205.5   501.0  -295.4   1.78   2.04
 2051   180.0   52.1     .0    127.9   200.9   512.6  -311.7   1.79   2.07

--------------------------------------------------------------------------
Note:  NPR is non-permanent residents; TPOP is total population;
       P20-64 is population aged 20 to 64; LF is total labour force.
       All numbers of persons are in thousands.
```

```
PMEDS-D TABLE 3: PROJECTION SUMMARY PART 3   CANADA
                ID: Slow Growth                        DATE:  7JUL2005
---------------------------------------------------------------------------
          TOTAL  CRUDE  CRUDE   NAT-    LIFE EXPECTANCY AT --      LF    LF
          FERT-  BIRTH  DEATH   URAL   -------------------------  PART   %
  YEAR    ILITY  RATE   RATE    INC-      AGE 0        AGE 65     RATE FEMALE
          RATE                  REASE   M      F      M      F
---------------------------------------------------------------------------

  2001    1.53   10.8    7.3     3.5   76.9   81.9   16.7   20.4   66.0   46.0
  2006    1.38    9.5    7.3     2.2   78.4   82.6   17.4   20.8   67.8   46.7
  2011    1.23    8.4    7.6      .8   79.4   83.1   18.0   21.1   67.2   46.8
  2016    1.20    8.0    8.1     -.1   80.1   83.5   18.4   21.4   65.9   46.9
  2021    1.20    7.8    8.8     -.9   80.6   83.8   18.6   21.5   63.7   46.7
  2026    1.20    7.4    9.7    -2.2   80.8   84.0   18.8   21.7   61.5   46.6
  2031    1.20    6.9   10.9    -4.0   80.9   84.1   18.8   21.7   59.7   46.5
  2036    1.20    6.5   12.4    -5.9   81.0   84.2   18.9   21.8   58.5   46.5
  2041    1.20    6.2   13.8    -7.6   81.1   84.2   18.9   21.8   57.6   46.5
  2046    1.20    6.2   15.0    -8.9   81.1   84.3   18.9   21.9   56.9   46.5
  2051    1.20    6.2   15.8    -9.6   81.1   84.3   18.9   21.9   56.1   46.4

---------------------------------------------------------------------------
Note:  LF is total labour force.


PMEDS-D TABLE 4: PROJECTION SUMMARY PART 4   CANADA
                ID: Slow Growth                        DATE:  7JUL2005
---------------------------------------------------------------------------
            MEDIAN AGE OF POPULATION          MEDIAN AGE OF LF        U
  YEAR    ----------------------------------  -------------------    RATE
          TOTAL   MALE   FEMALE   AGE    AGE   TOTAL   MALE  FEMALE   (%)
                                  20-64  65+
---------------------------------------------------------------------------

  2001    37.2    36.3    38.0    40.9   73.9   39.1   39.3   38.8    7.2
  2006    39.0    38.0    39.9    42.3   74.4   40.5   40.7   40.3    7.2
  2011    40.7    39.8    41.6    43.2   73.9   41.1   41.4   40.8    7.2
  2016    42.4    41.5    43.3    43.3   73.2   41.4   41.7   41.1    7.2
  2021    43.9    43.1    44.7    43.3   73.3   41.6   41.9   41.2    7.2
  2026    45.5    44.7    46.3    43.5   73.6   42.0   42.4   41.5    7.2
  2031    47.0    46.2    47.8    43.8   74.2   42.5   42.9   42.0    7.2
  2036    48.3    47.4    49.1    44.5   75.3   43.2   43.6   42.7    7.2
  2041    49.5    48.7    50.3    45.3   76.2   43.8   44.2   43.3    7.2
  2046    50.5    49.6    51.4    45.6   76.2   44.0   44.5   43.5    7.2
  2051    51.2    50.2    52.1    45.6   75.9   44.0   44.6   43.4    7.2

---------------------------------------------------------------------------
Note:  LF is total labour force; U RATE is total unemployment rate.
```

```
MEDS-E TABLE 1:   MAJOR DEMOGRAPHIC AND ECONOMIC AGGREGATES
                  ID:   Slow Growth                        DATE:   7JUL2005
------------------------------------------------------------------------------
                                      Gross              Fixed   Gov't   Fixed
             Popula-  Labour  Employ Domestic Consump Invest  Current Capital
             tion     Force   -ment  Product  -tion   -ment   Expend. Stock
     YEAR    POPTOT   LFTOT   ETOT   GDP      CONSUM  ITOT    GOVC    KTOT
------------------------------------------------------------------------------
                                   - levels -

     2001    31021.   16168.  15004.  1036.0   550.2   206.3   193.9   2744.3
     2006    32381.   17725.  16448.  1196.1   648.2   272.6   229.6   3283.5
     2011    33259.   18448.  17119.  1347.9   730.5   313.8   258.7   3973.3
     2016    33936.   18766.  17415.  1491.9   808.5   352.9   286.3   4703.2
     2021    34480.   18586.  17248.  1606.0   870.4   385.7   308.2   5451.8
     2026    34824.   18186.  16877.  1698.7   920.6   413.4   326.0   6192.2
     2031    34882.   17719.  16443.  1766.5   957.3   435.1   339.0   6905.5
     2036    34617.   17290.  16045.  1822.2   987.5   453.2   349.7   7578.5
     2041    34053.   16842.  15629.  1861.1  1008.6   466.9   357.2   8204.0
     2046    33271.   16305.  15131.  1882.3  1020.1   476.0   361.3   8773.2
     2051    32376.   15673.  14545.  1887.9  1023.1   481.0   362.3   9278.5


------------------------------------------------------------------------------
Note:   Numbers of persons are in thousands; income/expenditure figures
        are in billions of 1997 dollars.


MEDS-E TABLE 2:   MAJOR DEMOGRAPHIC AND ECONOMIC AGGREGATES
                  ID:   Slow Growth                        DATE:   7JUL2005
------------------------------------------------------------------------------
                                      Gross              Fixed   Gov't   Fixed
             Popula-  Labour  Employ Domestic Consump Invest  Current Capital
             tion     Force   -ment  Product  -tion   -ment   Expend. Stock
     YEAR    POPTOT   LFTOT   ETOT   GDP      CONSUM  ITOT    GOVC    KTOT
------------------------------------------------------------------------------
                              - percentage growth rates -

     2006     4.4      9.6     9.6    15.5     17.8    32.1    18.4    19.6
     2011     2.7      4.1     4.1    12.7     12.7    15.1    12.7    21.0
     2016     2.0      1.7     1.7    10.7     10.7    12.5    10.7    18.4
     2021     1.6     -1.0    -1.0     7.6      7.6     9.3     7.6    15.9
     2026     1.0     -2.1    -2.1     5.8      5.8     7.2     5.8    13.6
     2031      .2     -2.6    -2.6     4.0      4.0     5.3     4.0    11.5
     2036     -.8     -2.4    -2.4     3.2      3.2     4.2     3.2     9.7
     2041    -1.6     -2.6    -2.6     2.1      2.1     3.0     2.1     8.3
     2046    -2.3     -3.2    -3.2     1.1      1.1     2.0     1.1     6.9
     2051    -2.7     -3.9    -3.9      .3       .3     1.0      .3     5.8


------------------------------------------------------------------------------
Note:   The growth rates show total growth over the preceding 5 years.
```

```
MEDS-E TABLE 3:   RATIOS OF AGGREGATE VARIABLES
                  ID:  Slow Growth                              DATE:  7JUL2005
-------------------------------------------------------------------------------
          GDP/POPTOT         Percent of GDP--              URATE    KTOT
  Year  ---------------  ------------------------------     (%)     ----
        index % growth   CONSUM   ITOT    GOVC  TRADEBAL                GDP
-------------------------------------------------------------------------------

  2001  100.0       .      53.1    19.9    18.7     5.8      7.2      2.6
  2006  110.6    10.6      54.2    22.8    19.2      .0      7.2      2.7
  2011  121.4     9.7      54.2    23.3    19.2      .0      7.2      2.9
  2016  131.6     8.5      54.2    23.7    19.2      .0      7.2      3.2
  2021  139.5     5.9      54.2    24.0    19.2      .0      7.2      3.4
  2026  146.1     4.7      54.2    24.3    19.2      .0      7.2      3.6
  2031  151.7     3.8      54.2    24.6    19.2      .0      7.2      3.9
  2036  157.6     3.9      54.2    24.9    19.2      .0      7.2      4.2
  2041  163.7     3.8      54.2    25.1    19.2      .0      7.2      4.4
  2046  169.4     3.5      54.2    25.3    19.2      .0      7.2      4.7
  2051  174.6     3.1      54.2    25.5    19.2      .0      7.2      4.9

-------------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.


MEDS-E TABLE 4:   PRODUCTIVITY MEASURES
                  ID:  Slow Growth                              DATE:  7JUL2005
-------------------------------------------------------------------------------
          GDP/ETOT            GDP/KTOT            KTOT/ETOT
  Year  ---------------    ---------------    ----------------
        index   % growth   index   % growth   index   % growth
-------------------------------------------------------------------------------

  2001  100.0       .      100.0       .      100.0       .
  2006  105.3     5.3       96.5    -3.5      109.1     9.1
  2011  114.0     8.3       89.9    -6.9      126.9    16.3
  2016  124.1     8.8       84.0    -6.5      147.6    16.4
  2021  134.9     8.7       78.0    -7.1      172.8    17.0
  2026  145.8     8.1       72.7    -6.9      200.6    16.1
  2031  155.6     6.7       67.8    -6.7      229.6    14.5
  2036  164.5     5.7       63.7    -6.0      258.2    12.5
  2041  172.5     4.9       60.1    -5.7      287.0    11.1
  2046  180.2     4.5       56.8    -5.4      317.0    10.5
  2051  188.0     4.3       53.9    -5.2      348.8    10.0

-------------------------------------------------------------------------------
Note:  The growth rates show total growth over the preceding 5 years.
```

```
EDS-E TABLE 10:   PROJECTED EDUCATION OF POPULATION              BOTH SEXES
                  ID:   Slow Growth                         DATE:   7JUL2005
-----------------------------------------------------------------------------
                      15+                              20-24
        ----------------------------------    ----------------------------------
  YEAR
        E1    E2    E3    E4    E5    E6    E7    E1    E2    E3    E4    E5    E6    E7
-----------------------------------------------------------------------------
          - percentage distribution -           - percentage distribution -

  2001   9.9  17.5  19.4   9.1  28.2  10.8   5.1   1.9  11.1  23.7  25.4  28.8   8.1   1.1
  2006   7.6  16.2  18.9   9.5  29.4  12.2   6.2   1.6  11.5  22.1  27.6  28.0   8.1   1.1
  2011   5.9  14.8  18.3  10.0  30.6  13.6   6.9   1.5  11.4  21.0  29.0  27.7   8.1   1.2
  2016   4.4  13.2  17.8  10.4  31.5  14.9   7.7   1.5  11.3  20.0  30.4  27.4   8.1   1.3
  2021   3.4  11.8  17.2  10.8  32.5  16.2   8.2   1.6  11.2  19.0  31.7  27.0   8.0   1.4
  2026   2.6  10.7  16.7  11.3  33.2  16.9   8.6   1.7  11.1  18.0  33.1  26.6   8.0   1.5
  2031   2.2  10.0  15.8  11.7  33.8  17.6   8.8   1.8  11.0  17.0  34.5  26.2   8.0   1.5
  2036   2.0   9.1  14.7  12.3  34.3  18.5   9.1   1.8  10.9  15.9  35.9  25.7   8.0   1.6
  2041   1.7   8.3  13.2  13.2  34.5  19.7   9.5   1.9  10.8  14.9  37.3  25.3   8.0   1.7
  2046   1.5   7.2  11.8  13.9  35.2  20.5   9.9   2.0  10.4  14.0  38.8  24.9   8.1   1.8
  2051   1.5   6.5  11.3  14.9  35.1  20.6  10.1   2.1  10.1  13.1  40.2  24.5   8.1   1.9


-----------------------------------------------------------------------------
Note:  E1 refers to grade 8 or lower, E2 to some secondary, E3 to secondary
       school graduation, E4 to some post-secondary, E5 to post-secondary
       certificate or diploma, E6 to completed bachelor's degree, and E7
       to university degree or certificate above bachelor's.
```

REFERENCES

Becker, Gary (1960) "An Economic Analysis of Fertility," in *Demographic and Economic Change in Developed Countries, Conference of the Universities-National Bureau Committee for Economic Research*, *a Report of the National Bureau of Economic Research* (Princeton, N.J.: Princeton University Press), pp. 209-40.

Becker, Gary (1992) "Fertility and the Economy," *Journal of Population Economics* 5 (no. 3): 185-201.

Denton, Frank T and Byron G Spencer (1973) "A Simulation Analysis of the Effects of Population Change on a Neoclassical Economy," *Journal of Political Economy*, Vol. 81, No. 2, Part 1, pp. 356-375, March/April.

Denton, Frank T, Christine H. Feaver, and Byron G Spencer (1986) "Prospective Aging of the Population and Its Implications for the Labour Force and Government Expenditures," *Canadian Journal on Aging*, Vol. 5, No. 2, pp. 75-98.

Denton, Frank T., Christine H. Feaver, and Byron G Spencer (1987) "The Canadian Population and Labour Force: Retrospect and Prospect," in Victor W. Marshall, ed., Aging in Canada (Fitzhenry and Whiteside, second edition).

Denton, Frank T., Christine H. Feaver, and Byron G Spencer (1994) "Economic-Demographic Projection and Simulation: A Description of the MEDS System of Models," in K. Vaninadha Rao and Jerry W. Wicks, eds., Studies in Applied Demography: Proceedings of the International Conference on Applied Demography (Population and Society Research Center, Bowling Green State University).

Denton, Frank T., Christine H. Feaver, and Byron G Spencer (1998a) "The Future Population of Canada: Its Age Distribution and Dependency Relations," Canadian Journal on Aging, Vol. 17, No. 1, pp. 83-109, 1998. Reprinted in Frank T. Denton, Deborah A. Fretz, and Byron G. Spencer (eds.), Independence and Economic Security in Old Age, University of British Columbia Press, 2000.

Denton, Frank T., Christine H. Feaver, and Byron G Spencer (1998b) *Population Change in Atlantic Canada: Looking at the Past, Thinking About the Future*, Atlantic Institute for Market Studies, Research Report Series.

Denton, Frank T., Christine H. Feaver, and Byron G Spencer (1999) "Immigration and Population Aging," Canadian Business Economics, Vol. 7, No. 1, pp. 39-57.

Denton, Frank T., Christine H. Feaver, and Byron G Spencer (2002) "Alternative Pasts, Possible Futures: A "What If" Study of the Effects of Fertility on the Canadian Population and Labour Force," Canadian Public Policy, Vol. 28, No. 3, pp. 443-459.

Denton, Frank T., S Neno Li, and Byron G Spencer (1987) "How Will Population Aging Affect the Future Costs of Maintaining Health Care Standards?" in Victor W. Marshall, ed., Aging in Canada (Fitzhenry and Whiteside, second edition).

Denton, Frank T and Byron G Spencer (1983) "Macroeconomic Aspects of the Transition to Zero Population Growth," in Christopher Garbacz (ed.) Economic Resources for the Elderly: Prospects for the Future (Westview Press).

Denton, Frank T and Byron G Spencer (1984) "The Time Path of the Economy as the Population Moves Towards a Stationary State," in Gunter Steinmann (ed.) Economic Consequences of Population Change In Industrialized Countries (Springer-Verlag).

Denton, Frank T and Byron G Spencer (1987) "Changes in the Canadian Population and Labour Force: Prospects and Implications," Canadian Studies in Population, Vol. 14, No. 2.

Denton, Frank T and Byron G Spencer (1988) "Endogenous versus Exogenous Fertility: What Difference for the Macroeconomy?" in Ronald D. Lee, W. Brian Arthur and Gerry Rodgers, eds., Economics of Changing Age Distributions in Developed Countries (Oxford University Press)

Denton, Frank T and Byron G Spencer (1989) "Macro-Effects of Changes in Household Preferences for Children: Simulated History and Future Time Paths," Journal of Population Economics, Vol. 2, No. 3, pp. 165-188.

Denton, Frank T and Byron G Spencer (1995) "Demographic Change and the Cost of Publicly Funded Health Care," Canadian Journal on Aging, Vol. 14, No. 2, pp. 174-192.

Denton, Frank T and Byron G Spencer (1997) "Population Aging and the Maintenance of Social Support Systems," Canadian Journal on Aging, Vol. 16, No. 3, pp. 485-498.

Denton, Frank T and Byron G Spencer (1998a) "Demographic Trends, Labour Force Participation, and Long-Term Growth," in Thomas J. Courchene and Thomas A. Wilson (eds.), Fiscal Targets and Economic Growth, Queen's University John Deutsch Institute.

Denton, Frank T and Byron G Spencer (1998b) "Population, Labour Force and Long-term Economic Growth", Policy Options, Vol. 19, No. 1, pp. 3-9.

Easterlin, Richard A (1961) "The American Baby Boom in Historical Perspective," The American Economic Review, LI:5 (December), 1961, 869-911.

Easterlin, Richard A (1978) "What Will 1984 Be Like? Socioeconomic Implications of the Recent Twists in Age Structure," Demography 15:4, November 1978, 397-432.

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