

ECONOMIC PROJECTIONS FOR OASDHI COST AND INCOME ESTIMATES: 1987

ACTUARIAL STUDY NO. 101

by Stephen C. Goss, A.S.A.

Milton P. Glanz, A.S.A.

Esperanza Lopez

U. S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Social Security Administration
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FOREWORD

Actuarial Study No. 101 describes the economic assumptions and projections of the 1987 Trustees Report. This is an update of Actuarial Study No. 98 released about a year ago. Newer data are included, methods and assumptions have been slightly modified.

We continue to welcome comments from readers.

Francisco R. Bayo, A.S.A.
Deputy Chief Actuary

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ECONOMIC PROJECTIONS FOR OASDI COST AND INCOME ESTIMATES: 1987

I. INTRODUCTION

Estimating the long-range financial status of the Old-Age and Survivors Insurance and Disability Insurance (OASDI) Trust Funds and of the Hospital Insurance (HI) Trust Fund requires projection of numerous parameters, which can be classified in three groups: demographic parameters, economic parameters, and programmatic parameters. The purpose of this study is to present and describe, in some detail, the projections of economic parameters utilized in developing the long-range estimates of the financial status of the OASDI and HI programs included in the 1987 Annual Reports of the Boards of Trustees.

The interested reader will find detailed presentations of the projection of demographic and programmatic parameters in recent Actuarial Studies Numbers 99 and 100, respectively. The demographic projections presented in Actuarial Study Number 99, *Social Security Area Population Projections, 1987*, by Alice H. Wade, relate to the estimates included in the 1987 Trustees Report. The beneficiary projections presented in Actuarial Study Number 100, *OASDI Long-Range Beneficiary Projections, 1987*, by John C. Wilkin, relate to estimates included in the 1987 Trustees Report.

The charts on pages 6 and 7 provide a succinct preview of the contents of this whole study. All of the economic parameters of the study—input parameters, assumption parameters, and derived parameters—are subsumed, along with two schematics for the order of computations.

An important characteristic of each economic parameter in this study is whether (a) the parameter relates to the total economy or (b) it refers specifically to the OASDI or HI system. Examples of economic parameters that relate to the total economy are: Gross National Product, productivity, labor force, average earnings, and national price levels. Some economic parameters that apply specifically to the OASDI or HI program are: workers in covered employment, taxable earnings, and effective taxable payroll.

Examples of how estimates of the financial status of the OASDI and HI programs depend on these parameters include: (1) the projected number of persons who are insured and eligible to receive benefits each year and its direct relationship to the numbers of covered workers for past years, (2) the average OASDI benefit level for each year and its direct relationship to both the level of average covered earnings and covered worker rates for past years, (3) the level of the unit cost of health services covered by the HI program and its relationship to average employee compensation levels, and (4) the amount of contribution income each year and its direct relationship to the size of the taxable payroll for the year.

Projection of these various economic parameters is accomplished with a combination of **assumptions** for the most basic parameters, **input values** from non-economic projections (such as demographic), and **methods** utilized to project parameters that are derived in relation to more basic parameters. Recommended assumptions for the most basic parameters are developed by the Office

of the Actuary taking into account historical experience, expected future changes in the structure of the economy, and consistency with other assumptions. Final assumptions actually used for the Trustees Report represent the collective judgement of the Trustees and their staffs. Methods used to project the derived economic parameters are developed primarily on the basis of analysis of historical relationships among parameters, by the Office of the Actuary and the Office of Research and Statistics in the Social Security Administration.

Because none of the parameters used in estimating the long-range financial status of the OASDI program can be projected with certainty, perhaps least of all economic parameters, four separate sets of assumptions were developed for estimates in the 1987 Trustees Report in order to present a range of possible outcomes. These are alternative I, the most optimistic set in terms of impact on the financial status of the OASDI and HI programs; alternatives II-A and II-B, the intermediate sets which differ from each other only in that alternative II-A reflects more rapid economic growth than assumed for alternative II-B; and alternative III, the most pessimistic set of assumptions presented in the 1987 Annual Report.

II. BASIC CONCEPTS

A. Covered Economy versus Total U.S. Economy

Work resulting in earnings that are covered (i.e., totally or partially taxable) under the OASDI (or HI) program comprises the covered economy. Although the covered economy largely overlaps the total U.S. economy, there are significant differences between them. Among the types of work in the total U.S. economy that are not included in the covered economy are some state and local government employment, full-time civilian Federal Government employment for most workers hired before 1984 (for HI only work performed before 1983), work performed for some nonprofit institutions prior to 1984, and self-employment resulting in annual net earnings of less than \$400. On the other hand, employment of residents of outlying areas¹ and of U.S. citizens working for U.S. companies overseas is included in the covered economy even though it is not part of the U.S. economy.

Naturally, a far more extensive history of basic economic data is available for the U.S. economy than for the covered economy. For this reason, most economic parameters relating to the covered economy are not projected directly but in relation to projections of more widely considered parameters for the U.S. economy. One of the benefits of this approach is that projections of economic parameters for OASDI estimates can be more easily compared with projections made by economists whose focus is the U.S. economy.

B. Economic Parameters Related to the Total U.S. Economy

The economic parameters for the U.S. economy discussed in this study represent four areas: employment, average earnings, Gross National Product (GNP), and price levels.

¹The term "outlying areas" refers to the areas not normally considered to be part of the United States, such as Puerto Rico, the Virgin Islands, Guam, and American Samoa, but which are covered by the Social Security program.

1. Employment

Every month the Bureau of Labor Statistics (BLS) of the Department of Labor publishes survey-based estimates of total labor-force-participation rates and both total and civilian unemployment rates for the noninstitutionalized U.S. population². Annual figures shown in this study are based on the averages of the monthly numbers. The BLS estimates for years prior to 1983 relate to the U.S. population including all armed forces, while estimates for 1983 and later years relate to the population including only those armed forces residing in the United States.

Because all armed forces are covered under the OASDI program, figures in this study for the U.S. population, the labor force, labor-force-participation rates, and unemployment rates include all armed forces residing in the U.S. and abroad. The U.S. population by age group and sex on July 1 of years 1947 through 1985 was developed by the Bureau of the Census and published by the Bureau of Labor Statistics in *Employment and Earnings*. The U.S. population for years 1986 through 2065 was obtained by multiplying the projected Social Security Area population (Table A1) by age-sex specific factors, which were based on the historical relationship between the two population groups. Table A2 shows the resulting estimates of the U.S. population for historical and projected periods for Alternatives I, II, and III.

For historical years, average total U.S. employment during each year is calculated as the product of the U.S. population on July 1, the average total labor force participation rate (including military residing abroad), and the complement of the average unemployment rate (1.0 minus the unemployment rate). Separate numbers for wage and salary workers and the self-employed add to more than the total, because workers with more than one job may be counted more than once.

The historical numbers of wage and salary workers presented in this study were developed by the Bureau of Economic Analysis (BEA) of the Department of Commerce, based on establishment data compiled by the BLS. Establishment data are collected by surveying employers and thus count "wage items" which represent individual jobs. Because many individuals have more than one wage or salary job at a time, the number of wage items is greater than the total number of persons with some wage or salary employment.

The historical numbers of self-employed persons in this study were developed by the BEA based on the Current Population Survey (CPS), a household survey of individuals which counts an individual as self-employed only if the majority of the individual's hours worked were in self-employment. Some persons counted as self-employed also hold a wage or salary job, and are thus counted both as self-employed and as wage and salary workers.

Both household and establishment data are collected monthly and, in general, reflect the number of workers with any work during one selected week in each survey month. The annual employment estimates are calculated

²In this study, the term "U.S. population" refers to the noninstitutionalized population of the U.S., rather than the resident U.S. population that is most often quoted by the Bureau of the Census.

as the average of the survey-week employment figures for the 12 survey months and thus represent average weekly employment during the year.

Average total weekly U.S. employment during each year, described above, is estimated based on household data and thus includes no multiple counting of workers. A discussion of the development of employment projections is included in Section V., Methods.

2. Average Earnings

Data for aggregate earnings in the U.S. economy are developed by the Bureau of Economic Analysis (BEA) of the Department of Commerce on a quarterly basis. Aggregate earnings are available separately for wage and salary workers and for the self-employed (net proprietors income). Average annual earnings (per worker) are estimated for historical years by dividing the total earnings during each year by the average weekly U.S. employment during the year. As a result, average annual earnings for the total U.S. economy are actually equal to average weekly earnings multiplied by the potential number of paid-work-weeks for each year and thus reflect an average earnings level for steady employment throughout the year. The potential number of paid-work-weeks for a given year depends on the number of paychecks receivable, and varies between 52 and 53 for individual workers. The number of paychecks in a given year depends on the exact timing of pay (i.e., Friday vs. Thursday, weekly vs. bi-weekly) and thus may be different for different workers. For this reason, and because variation in the number of weeks per year is not very important when averaging growth rates in average earnings over several years, as is done in our historical analysis, we generally assume 52 potential paid-work-weeks for each year.

Projections are made for increases in average real earnings and for the CPI separately. A more thorough discussion of the development of average earnings estimates and projections, as well as the related concepts of compensation and productivity, is presented in Section IV., Assumptions.

3. Gross National Product

Analysis of past trends and projection of future levels of the Gross National Product in 1982 dollars (GNP82) are difficult because of the cyclical nature of economic growth. A useful concept for these purposes is the potential GNP82, which is defined as the output in constant dollars (base 1982) that the economy would produce with the existing (or expected) plant and technology under assumed conditions of high but sustainable use of the factors of production—labor, capital, and natural resources. The Council of Economic Advisors estimated potential GNP72 through 1980 based on (1) an overall civilian unemployment rate that takes into account the changing age and sex distribution of the labor force and has thus changed gradually from 4.0 percent in 1955 to 4.9 percent in 1976, and (2) a manufacturing-capacity-utilization index (as calculated by the Department of Commerce) of 86 percent. Since 1980, these estimates have been adjusted to reflect the rebenchmarking to GNP82 in 1986, and have been extended to later years in a manner that is consistent with the CEA derived relationships among actual GNP, potential GNP and unemployment rates. With these assumptions, potential GNP82 increases in accordance

with changes in the size of the labor force, the amount of capital available, and the state of technology, and thus grows relatively smoothly through time.

In order to project potential GNP82, we estimate future changes in the labor force, the average number of hours paid per year, and labor productivity (defined as output per hour paid). In this approach, the labor productivity parameter includes both the capital and technology factors of production.

The primary advantages of the potential GNP82 concept are that it is relatively easy to project because of its smooth historical trend and that, once projected, it defines the context in which actual GNP82 is projected. Actual GNP82 can be estimated for any year in relation to potential GNP82, based on the assumed levels of the unemployment rate and the manufacturing-capacity-utilization index.

In addition, the use of potential GNP82 rather than the actual GNP82 as a fundamental concept facilitates consistency of long-range projections for each year's Trustees Report with those for succeeding years. When the economy's position in the business cycle changes significantly from one year to the next, the estimated future levels of potential GNP82 are generally affected little, if at all. The change in the economy's position in the business cycle is reflected in the changing ratio of actual to potential GNP82. Use of potential GNP82 as a fundamental concept assures that the ultimate projected levels of GNP82 are changed only when changes in underlying assumptions are deemed appropriate.

C. Economic Parameters Related to the OASDI Covered Economy

The most important economic parameters related to the OASDI covered economy are the number of covered workers, their average covered earnings, and the total effective taxable payroll.

1. Covered Workers

The number of covered workers for a calendar year is defined as the number of workers who pay some Social Security taxes for the year. Every year, the Social Security Administration compiles data on the number of covered workers. From these data the coverage rates—defined as the ratio of covered workers during a year (Table A7) to the mid-year Social Security Area population (Table A1)—can be calculated for historical years. These rates are calculated by age group and sex, and are usually expressed in percentages.

Although there are many differences between covered worker rates and labor-force-participation rates, their values in any particular year for each age-sex group are fairly close together. Some differences tend to make covered-worker rates larger. The foremost of these is the fact that workers who are employed for only a part of the year count as covered workers for the whole year but count as labor force participants for only that portion of the year in which they were employed or actively seeking employment. Other differences tend to make covered worker rates lower. The foremost of these is the fact that not all types of employment included in the labor-force statistics are covered by the OASDI program. As shown in tables A4 and A6, higher rates for coverage than for participation have occurred in recent years for age-sex groups with relatively low participation rates, because the

effect of partial-year employment tends to predominate in these cases. Lower rates for coverage than for participation occur for age-sex groups with relatively high participation rates, because the effect of non-covered employment tends to predominate in these cases.

The number of covered workers is projected in relation to projections of other more basic parameters, based on analysis of the historical relationships among these parameters. The basic parameters necessary to project the number of covered workers are projections of the size of the Social Security area population, and the labor-force-participation and unemployment rates for the U.S. economy.

2. Average Covered Earnings

Differences between the rates of increase in average covered earnings and average earnings in the total U.S. economy have been small, even though the methods of computing the averages are quite different. Average-covered-earnings estimates are based on actual data for all workers in OASDI covered employment and reflect the average annual earnings for persons with some covered employment during the year. Average earnings for the total U.S. economy, on the other hand, are based on separate survey estimates of the number of workers and the amount of aggregate earnings. The fact that the number of workers in the U.S. economy is actually calculated as average weekly U.S. employment during the year (see Section II.B.) means that average U.S. earnings is actually calculated as average weekly earnings multiplied by 52 (see Section II.B.2.). Fortunately, these differences do not appear to have a large effect on the rates of increase in the measures of average covered earnings versus average total earnings.

An additional factor which has contributed to the difference between the rates of increase in average covered versus average total earnings is the historical trend by the OASDI program towards covering an increasing percentage of workers in the total U.S. economy. This trend will continue and is reflected in the average OASDI covered earnings, which are projected to increase slightly faster over the next 30 years, as the Federal civilian employees (who have a somewhat higher-than-average level of annual earnings) gradually become covered^a.

OASDI covered self-employment income (covered SEI), as used in this study, means total net earnings from covered self-employment for any individual that earn at least \$400 for the year. This definition of covered SEI differs from that used in the Social Security Act where SEI also reflects the effect of the earnings base. In this study, the quantity that results from applying earnings-base limitations to covered SEI is referred to as taxable SEI.

Increases in average covered earnings are projected in relation to projected increases in average earnings for the U.S. economy, taking into account any changes in the types of work included in the OASDI covered economy. A more thorough discussion of the projection of average covered earnings is included in Section IV.B.

^aThe Social Security Amendments of 1983 provide that Federal civilian employees hired after 1983 are covered under the OASDI program.

3. *Effective Taxable Payroll*

One of the most important results of the economic projections is the "effective taxable payroll," which is defined as the theoretical amount which when multiplied by the combined employee-employer OASDI (or HI) tax rate yields the actual (or projected) tax liability for the year. In presenting long-range estimates of the financial status of the OASDI (or HI) program, both the cost and income rates expressed as percentages of effective taxable payroll can be directly compared with the OASDI (or HI) tax rates with which everyone is familiar. In addition, this practice maintains a perspective on the size of the program that might be lost if cost and income estimates were expressed in terms of the inflated dollar amounts anticipated for 25, 50, and 75 years into the future.

Effective taxable payroll consists of total earnings which are subject to OASDI (or HI) taxation, including deemed military-service wage credits starting 1984, but, in the case of OASDI payroll only, not including earnings of railroad workers, for whom accrued OASDI tax and benefit amounts are transacted on a net basis each year between the Social Security Administration and the Railroad Retirement Board. These total covered earnings are adjusted to reflect the maximum amount taxable per worker each year and the fact that a lower effective tax rate than the combined employee-employer tax rate applies to income from tips and multi-employer excess wages⁴, and to self-employment income for years prior to 1984.

Starting in 1984, the OASDI Trust Funds receive income not only from taxation of earnings but also in the form of revenue transfers from the general fund of the U.S. Treasury in amounts equal to the additional federal income taxes paid because of taxation of up to one-half of OASDI benefits. The amounts of these transfers are presented in the Trustees Report as percentages of effective taxable payroll, as is done with respect to the costs of the program. A discussion of the projection of effective taxable payroll is included in Section V.E.

III. OVERVIEW OF PROJECTION

The purpose of this section is to provide the reader with a general understanding of the interrelationships among all the economic parameters considered in this study. In particular, this section outlines the flow of development from one parameter to the next, when viewed from the perspective of projecting future values for each of these parameters.

The culminating economic parameter in this study is effective taxable payroll. Projection of effective taxable payroll requires prior consideration of all the other economic parameters. On the other hand, labor productivity, most often referred to simply as productivity, is one of the initial, or most basic, economic parameters considered in this study. Assumptions about future changes in productivity represent the starting point for development of projections for many of the other parameters in our model. Productivity will be discussed in detail in Section IV., Assumptions.

⁴When a worker has more than one job, each employer must pay OASDI tax on earnings up to the taxable maximum amount, while the worker pays tax on his or her combined total earnings only to the maximum.

Projection of all the economic parameters required for estimating the financial status of the OASDI (and HI) program requires two separate tracks of development. The first of these begins with the productivity assumption and yields projections of aggregate values for potential and actual GNP⁸², and is thus referred to as the "aggregate method." The aggregate method ultimately yields projections of effective taxable payroll through the application of a series of linkages between GNP and payroll.

The second track of development also begins with the productivity assumption; it then yields projections for the average levels of earnings for workers in the total U.S. economy and for those in OASDI (or HI) covered employment, and is thus referred to as the "average method." The average method also ultimately yields projections of effective taxable payroll.

The aggregate and average methods are equivalent in the sense that they both utilize the same assumptions and yield consistent results. The need for two tracks of development lies in the need for a wide variety of economic projections. The charts on pages 6 and 7 illustrate the progression of development of parameters in each track. Entries in these charts represent projected rates of change in the various parameters which are, in general, developed in advance of, and provide the basis for, calculation of the levels of the parameters.

The double line boxes identify the basic parameters, while the single line boxes identify the derived parameters. Numbers in parentheses next to the parameters indicate table references where projected values can be found. The specific development of each derived parameter is discussed in Section V., Methods. A description of the basis for assuming values for the more basic assumptions is provided in Section IV., Assumptions.

IV. ASSUMPTIONS

The first phase of development of economic projections for the purpose of estimating the financial status of the Social Security programs is the identification of basic parameters and the selection of assumed future values for those parameters. In our analysis, we attempt to subdivide parameters into the most basic elements for which high quality data are available.

In some cases, a parameter may be treated both as a basic parameter, for which assumed future values must be adopted based on analysis of historical values and expected future trends, and as a more complex, or derived parameter, for which projected values are based on the already assumed or projected values for two or more other economic parameters. An example of this type of parameter is average real earnings. Because average real earnings for OASDI covered workers is such a fundamental parameter in the projection of both future income and future benefits, selection of future values is based on both direct analysis of historical average earnings data and on the development of assumptions for productivity and other basic parameters.

Assumed values for basic parameters are developed for three separate periods covering the next 75 years. For each of the next 10 years, values are selected which reflect, to a considerable extent, recent experience,

cycles, and trends through the first several years and a movement toward the assumed ultimate value thereafter. Assumed ultimate values represent the expected average level of a parameter that is consistent with the underlying nature of the set of assumptions being developed: optimistic (I), intermediate (II-A and II-B), or pessimistic (III). Many parameters are assumed to reach their ultimate values within the first 10 years, while others may not do so until 20 or 30 years into the future. The last assumption to be adopted refers to the transition period between the tenth year and the first year for which the ultimate assumption applies. Values for the transition period are generally chosen to produce a path that approaches the ultimate assumption smoothly.

When setting ultimate assumptions, analysis of historical data must encompass a reasonably long period of time. The values of economic parameters often fluctuate significantly from one year to the next as the economy moves through business cycles. In addition, several business cycles often take place within one longer term cycle or trend. The economic experience during specific phases of the cycles and trends can be significantly better or worse than the average over an extended period. For these reasons, we analyze the experience of selected economic parameters at least as far back as the early 1950's, to include favorable as well as unfavorable trends. Thus, although recent experience is important in establishing a starting point and the current trend for the projections, this should not be allowed to influence too heavily the choice of ultimate values.

Generally, we pay less attention to data for years prior to the early 1950's. The national economy was overwhelmed during the 1930's and 1940's first by the "Great Depression" and subsequently by World War II and the post-war recovery. Although we recognize the possibility of either an extended depression or a world war in the future, neither of these events is consistent with any of the alternative sets of assumptions developed for the Trustees Report.

The experience of the 1950's and 1960's provides an example of a period when the economy operated very favorably through several business cycles. The U.S. economy was left essentially intact in the wake of World War II and expanded rapidly in order to fill both domestic and foreign demand, with little competition from the war-ravaged nations of Europe and Asia. Inflation (as measured by the CPI-W) was low, averaging only 1.93 percent per year between 1951 and 1969, while productivity grew rapidly, averaging 2.30 percent per year. Real wage gains averaged 2.3 percent annually during the same period.

On the other hand, the experience of more recent years has been relatively unfavorable. From 1969 through 1985, inflation has averaged 6.9 percent per year, productivity has increased at the rate of 1.2 percent per year, and real wages have actually declined by 0.1 percent per year. Development of ultimate assumptions is based both on thorough analysis of this kind of data, and on expectations of future trends and

conditions which may be quite different from those of the past.

A. Productivity

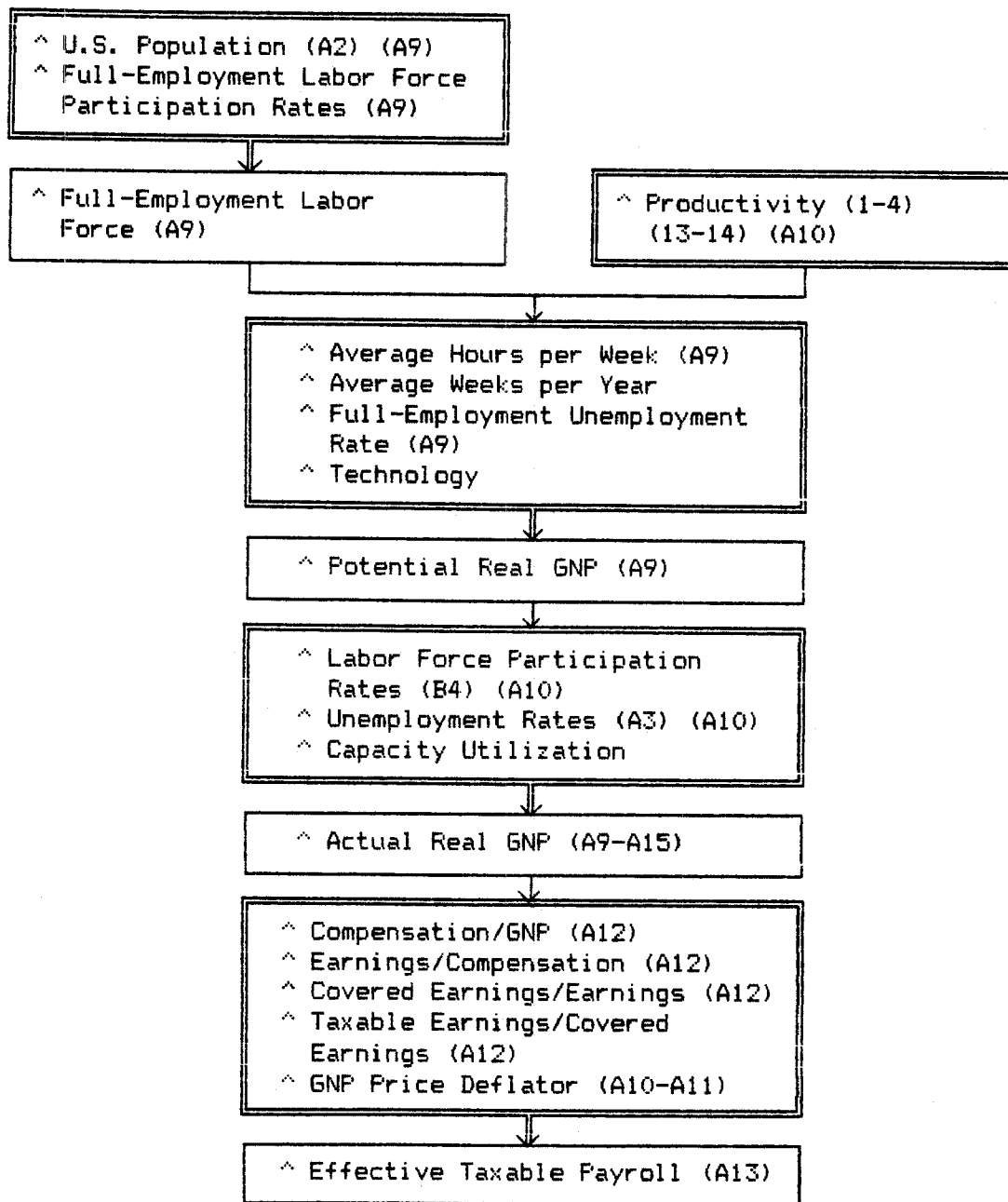
The productivity parameter is one of the first and most basic elements of both the aggregate method and the average method discussed in the previous section. Productivity, sometimes called labor productivity, is defined as the ratio of the total value of production (as measured by the GNP82) to the total number of hours of paid work. Production is measured in real terms (e.g., GNP in 1982 dollars) with the primary focus on annual percentage increase in productivity instead of on the absolute value of the ratio for each year. The number of hours of paid work includes paid vacation and sick time, and also includes some hours worked by unpaid family members.

The ultimate assumed rate of increase in productivity is developed largely on the basis of analysis of historical productivity experience combined with a qualitative assessment of future influences. This analysis is the subject of the balance of this section. For a description of the method by which productivity increases are projected between the historical period prior to 1986 and the ultimate period after 2015, see section V.C., Potential GNP82.

Historical productivity data are most widely available for the "private nonfarm business sector" as defined by the Bureau of Labor Statistics (BLS). However productivity assumptions for the 1987 Trustees Report presented in this study were based on analysis of the index of productivity for the total U.S. economy, which has more recently become available to us from the BLS. We believe that the index for the total U.S. economy is more appropriate for our purposes, because it is more in line with the OASDI (and HI) coverage. This newer measure of productivity, which refers to all types of workers, including government workers, who represent a significant proportion of the U.S. workforce and a growing proportion of the OASDI covered workforce, is more complete and useful, because the productivity parameter is utilized in both our aggregate and average methods to represent productivity for the total U.S. economy.

Productivity for the private nonfarm business sector rose at an average annual rate of 1.62 percent during the 30-year period 1955-85. (Table 2) On the other hand, productivity for the total U.S. economy rose at an average annual rate of 1.68 percent over the same period. (Table 1) The experience over the last 20 years of historical data (1965-85) was quite unfavorable, with average annual productivity changes of only 1.15 percent and 1.23 percent, according to the indexes for the private nonfarm business sector and the total U.S. economy, respectively; while the increases over the prior 10 years (1955-65) were very favorable—2.56 percent and 2.59 percent, respectively.

Development of Projected Annual Changes in
Economic Parameters : Aggregate Method



Note: The numbers in parentheses are table references, and the symbols should be interpreted as follows:

^ : annual percent change

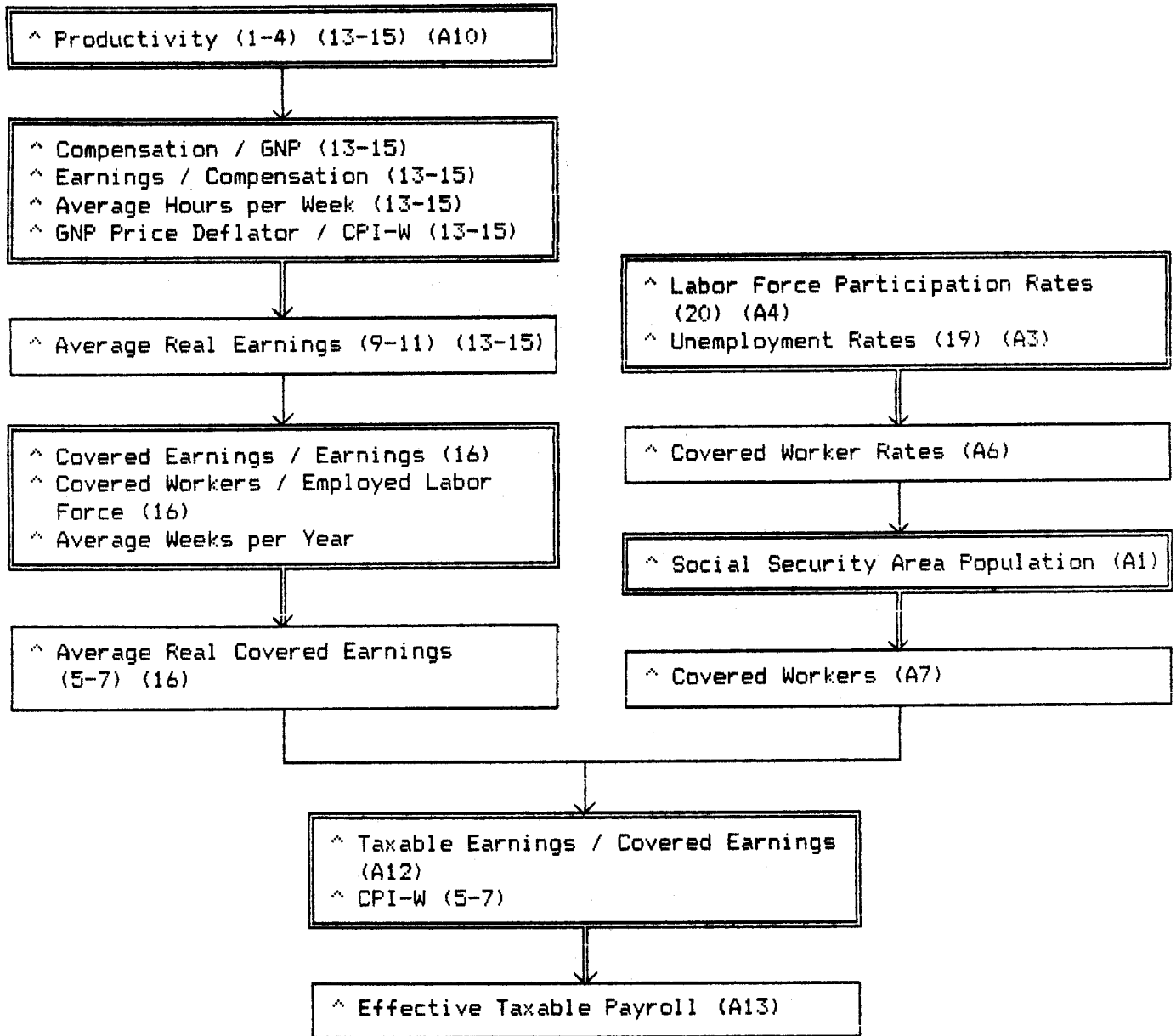
↓ : the combination of the preceding and the following

⇓ : the preceding yields the following

▭ : basic parameters

□ : derived parameters

Development of Projected Annual Changes in
Economic Parameters: Average Method



Note : The numbers in parentheses are table references, and the symbols should be interpreted as follows:

- ^ : annual percent change
- ↓ : the combination of the preceding and the following
- ⇓ : the preceding yields the following
- : basic parameters
- : derived parameters

The Trustees' assumptions of future productivity increases (summarized in table 13) reflect the belief that the very bad experience of the past 20 years does not foretell the future. Several conditions have prevailed over the past 20 years, significantly affecting productivity, which will not generally exist in the future. These include the rapid acceleration of production costs related to new environmental and safety regulations, highly volatile changes in the cost of energy, a great influx of new, inexperienced workers as more women choose to enter (or reenter) the labor force at the same time that the baby-boom generation reached working age, and rapidly aging plant and equipment.

However, it is not expected that productivity over the long-term future will return to the high post-World War II levels of the 1950's and early 1960's. Only the optimistic assumption (alternative I) reflects productivity increases approaching that level. The assumed ultimate productivity increase for the intermediate (alternative II-B) set is at about the same level as the average for 1955-85.

In addition to projecting productivity increases for all workers in the U.S. economy, we have attempted to

measure separately the past and projected future increases in productivity for wage and salary workers, and for the self-employed (proprietors and partners). In order to separate historical total productivity in this way, we: (1) obtained separate counts of hours worked by self-employed persons from the BLS, and (2) computed the portion of the GNP that is attributable to the self-employed using data in the National Income and Product Accounts (NIPA). Separate analysis of productivity for the wage and salary workers and the self-employed facilitates separate analysis of average earnings increases for these two groups. For the 1987 Trustees Report, ultimate increases in productivity were assumed to be the same for the wage and salary workers and the self-employed.

Tables 1 through 4 present historical increases in productivity indexes for the total U.S. economy, the private nonfarm business sector, and the wage-and-salary and the self-employed components of the total U.S. economy.

Table 1.—Labor Productivity: Index of output per hour for the Total Economy, Compound Annual Rates of Growth
[In percent]

To	Index	From																	
		1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	
1951.....	58.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1952.....	59.60	2.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1953.....	61.10	2.52	2.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1954.....	62.51	2.45	2.41	2.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1955.....	64.12	2.48	2.47	2.45	2.57	-	-	-	-	-	-	-	-	-	-	-	-	-	
1956.....	64.46	2.09	1.98	1.80	1.55	.53	-	-	-	-	-	-	-	-	-	-	-	-	
1957.....	66.23	2.20	2.13	2.04	1.94	1.63	2.74	-	-	-	-	-	-	-	-	-	-	-	
1958.....	68.22	2.31	2.28	2.23	2.21	2.09	2.88	3.02	-	-	-	-	-	-	-	-	-	-	
1959.....	69.89	2.33	2.30	2.27	2.25	2.17	2.73	2.73	2.44	-	-	-	-	-	-	-	-	-	
1960.....	71.07	2.26	2.22	2.18	2.16	2.08	2.47	2.38	2.06	1.69	-	-	-	-	-	-	-	-	
1961.....	73.44	2.36	2.35	2.33	2.33	2.29	2.64	2.62	2.49	3.34	3.34	-	-	-	-	-	-	-	
1962.....	75.48	2.40	2.39	2.38	2.38	2.36	2.66	2.65	2.56	2.60	3.06	2.77	-	-	-	-	-	-	
1963.....	78.09	2.49	2.49	2.48	2.50	2.49	2.78	2.79	2.74	2.81	3.12	3.12	3.46	-	-	-	-	-	
1964.....	80.83	2.57	2.57	2.58	2.60	2.61	2.87	2.89	2.87	2.95	3.27	3.24	3.48	3.50	-	-	-	-	
1965.....	82.81	2.56	2.56	2.57	2.59	2.59	2.82	2.83	2.81	2.87	3.11	3.05	3.14	2.98	2.46	-	-	-	
1966.....	84.48	2.52	2.52	2.52	2.54	2.54	2.74	2.74	2.71	2.75	2.92	2.84	2.86	2.66	2.24	2.01	-	-	
1967.....	85.51	2.44	2.44	2.43	2.44	2.43	2.60	2.59	2.54	2.55	2.68	2.57	2.53	2.29	1.89	1.61	1.22	-	
1968.....	87.53	2.44	2.43	2.43	2.43	2.42	2.58	2.57	2.52	2.53	2.64	2.54	2.50	2.31	2.01	1.86	1.79	2.37	
1969.....	87.48	2.30	2.28	2.27	2.27	2.24	2.38	2.35	2.29	2.27	2.34	2.21	2.13	1.91	1.60	1.38	1.17	1.15	
1970.....	88.93	2.26	2.25	2.23	2.23	2.20	2.32	2.29	2.23	2.21	2.27	2.15	2.07	1.87	1.60	1.43	1.29	1.32	
1971.....	91.97	2.32	2.31	2.30	2.30	2.28	2.40	2.37	2.32	2.31	2.37	2.27	2.22	2.07	1.86	1.76	1.71	1.84	
1972.....	94.33	2.33	2.32	2.31	2.31	2.30	2.41	2.39	2.34	2.33	2.39	2.30	2.25	2.12	1.95	1.88	1.86	1.98	
1973.....	96.19	2.32	2.31	2.30	2.29	2.28	2.38	2.36	2.32	2.31	2.36	2.27	2.23	2.11	1.95	1.89	1.87	1.98	
1974.....	95.29	2.17	2.16	2.14	2.13	2.11	2.20	2.16	2.11	2.09	2.12	2.02	1.96	1.83	1.66	1.57	1.52	1.56	
1975.....	96.58	2.14	2.12	2.10	2.09	2.07	2.15	2.12	2.07	2.04	2.07	1.98	1.91	1.79	1.63	1.55	1.50	1.53	
1976.....	98.91	2.15	2.13	2.12	2.11	2.09	2.16	2.13	2.09	2.06	2.09	2.00	1.95	1.83	1.70	1.63	1.59	1.63	
1977.....	100.00	2.11	2.09	2.07	2.06	2.04	2.11	2.08	2.03	2.01	2.03	1.95	1.89	1.78	1.65	1.58	1.55	1.58	
1978.....	100.67	2.05	2.04	2.02	2.01	1.98	2.05	2.01	1.96	1.94	1.95	1.87	1.82	1.71	1.58	1.51	1.47	1.50	
1979.....	100.47	1.97	1.95	1.93	1.92	1.89	1.95	1.91	1.86	1.83	1.84	1.76	1.70	1.59	1.46	1.39	1.34	1.35	
1980.....	100.50	1.91	1.88	1.86	1.84	1.81	1.87	1.83	1.78	1.74	1.75	1.66	1.60	1.49	1.37	1.30	1.25	1.25	
1981.....	102.19	1.90	1.88	1.85	1.84	1.81	1.86	1.82	1.77	1.74	1.74	1.67	1.61	1.51	1.39	1.32	1.28	1.28	
1982.....	101.66	1.82	1.80	1.77	1.75	1.72	1.77	1.73	1.68	1.64	1.64	1.56	1.50	1.40	1.28	1.21	1.16	1.16	
1983.....	103.74	1.83	1.80	1.78	1.76	1.73	1.78	1.74	1.69	1.66	1.66	1.58	1.53	1.43	1.32	1.26	1.22	1.22	
1984.....	105.26	1.82	1.79	1.77	1.75	1.72	1.77	1.73	1.68	1.65	1.65	1.58	1.52	1.43	1.33	1.27	1.23	1.23	
1985.....	105.66	1.77	1.75	1.73	1.71	1.68	1.72	1.68	1.63	1.60	1.60	1.53	1.47	1.38	1.28	1.23	1.18	1.18	
To	Index	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	
1968.....	87.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1969.....	87.48	-.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1970.....	88.93	.79	1.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1971.....	91.97	1.66	2.53	3.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1972.....	94.33	1.89	2.54	2.99	2.57	-	-	-	-	-	-	-	-	-	-	-	-	-	
1973.....	96.19	1.90	2.40	2.65	2.27	1.97	-	-	-	-	-	-	-	-	-	-	-	-	
1974.....	95.29	1.43	1.72	1.74	1.19	.51	-.93	-	-	-	-	-	-	-	-	-	-	-	
1975.....	96.58	1.41	1.66	1.66	1.23	.79	.20	1.35	-	-	-	-	-	-	-	-	-	-	
1976.....	98.91	1.54	1.77	1.79	1.47	1.19	.94	1.88	2.42	-	-	-	-	-	-	-	-	-	
1977.....	100.00	1.49	1.69	1.69	1.41	1.17	.98	1.62	1.76	1.10	-	-	-	-	-	-	-	-	
1978.....	100.67	1.41	1.57	1.56	1.30	1.09	.91	1.38	1.39	.88	.67	-	-	-	-	-	-	-	
1979.....	100.47	1.26	1.39	1.36	1.11	.90	.73	1.06	.99	.52	.23	-.20	-	-	-	-	-	-	
1980.....	100.50	1.16	1.27	1.23	.99	.79	.63	.89	.80	.40	.17	-.08	.03	-	-	-	-	-	
1981.....	102.19	1.20	1.30	1.27	1.06	.89	.76	1.00	.95	.65	.54	.50	.86	1.69	-	-	-	-	
1982.....	101.66	1.07	1.16	1.12	.91	.75	.62	.81	.73	.46	.33	.24	.39	.57	-.53	-	-	-	
1983.....	103.74	1.14	1.22	1.19	1.01	.87	.76	.95	.90	.68	.61	.60	.80	1.06	.75	2.05	-	-	
1984.....	105.26	1.16	1.24	1.21	1.04	.92	.82	1.00	.96	.78	.73	.75	.94	1.16	.99	1.75	1.46	-	
1985.....	105.66	1.11	1.19	1.16	1.00	.88	.79	.94	.90	.74	.69	.69	.84	1.01	.84	1.29	.92	.38	

Table 2.—Labor Productivity: Index of output per hour for the Private Non-Farm Business Sector, Compound Annual Rates of Growth
[In percent]

To	Index	From																
		1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967
1951.....	59.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1952.....	60.70	2.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1953.....	62.10	2.25	2.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1954.....	63.00	1.98	1.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1955.....	64.80	2.20	2.20	1.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1956.....	65.20	1.88	1.80	1.64	1.73	-	-	-	-	-	-	-	-	-	-	-	-	-
1957.....	66.50	1.90	1.84	1.73	1.82	1.30	1.99	-	-	-	-	-	-	-	-	-	-	-
1958.....	68.00	1.95	1.91	1.83	1.93	1.62	2.12	2.26	-	-	-	-	-	-	-	-	-	-
1959.....	70.20	2.11	2.10	2.06	2.19	2.02	2.49	2.74	3.24	-	-	-	-	-	-	-	-	-
1960.....	71.00	2.00	1.98	1.93	2.01	1.84	2.15	2.21	2.18	1.14	-	-	-	-	-	-	-	-
1961.....	73.20	2.11	2.10	2.08	2.17	2.05	2.34	2.43	2.49	2.11	3.10	-	-	-	-	-	-	-
1962.....	75.60	2.22	2.22	2.21	2.31	2.23	2.50	2.60	2.68	2.50	3.19	3.28	-	-	-	-	-	-
1963.....	78.30	2.33	2.34	2.35	2.45	2.39	2.65	2.76	2.86	2.77	3.32	3.42	3.57	-	-	-	-	-
1964.....	81.40	2.45	2.48	2.49	2.60	2.57	2.81	2.93	3.04	3.00	3.48	3.60	3.77	3.96	-	-	-	-
1965.....	83.40	2.45	2.47	2.49	2.58	2.56	2.77	2.87	2.96	2.91	3.27	3.32	3.33	3.21	2.46	-	-	-
1966.....	85.40	2.45	2.47	2.48	2.57	2.54	2.74	2.82	2.89	2.84	3.13	3.13	3.09	2.94	2.43	2.40	-	-
1967.....	87.10	2.42	2.44	2.45	2.52	2.50	2.67	2.74	2.79	2.73	2.96	2.94	2.87	2.70	2.28	2.19	1.99	-
1968.....	89.40	2.43	2.45	2.46	2.53	2.51	2.67	2.73	2.77	2.72	2.92	2.90	2.83	2.69	2.37	2.34	2.32	2.64
1969.....	89.00	2.27	2.28	2.27	2.33	2.29	2.42	2.46	2.48	2.40	2.54	2.47	2.36	2.16	1.80	1.64	1.39	1.08
1970.....	89.30	2.17	2.17	2.16	2.20	2.16	2.27	2.29	2.30	2.21	2.32	2.23	2.10	1.90	1.56	1.38	1.12	.83
1971.....	91.90	2.21	2.21	2.20	2.25	2.21	2.31	2.34	2.34	2.27	2.37	2.30	2.19	2.02	1.75	1.63	1.48	1.35
1972.....	94.70	2.25	2.25	2.25	2.29	2.26	2.36	2.38	2.39	2.33	2.43	2.37	2.28	2.14	1.91	1.83	1.74	1.69
1973.....	96.40	2.23	2.23	2.22	2.26	2.23	2.33	2.35	2.35	2.29	2.38	2.32	2.23	2.10	1.90	1.83	1.75	1.71
1974.....	94.30	2.03	2.02	2.01	2.04	1.99	2.07	2.08	2.06	1.99	2.05	1.97	1.86	1.70	1.48	1.37	1.25	1.14
1975.....	96.00	2.02	2.01	2.00	2.03	1.98	2.06	2.06	2.05	1.98	2.03	1.96	1.85	1.71	1.51	1.42	1.31	1.22
1976.....	98.50	2.04	2.04	2.03	2.05	2.01	2.08	2.09	2.08	2.01	2.07	2.00	1.91	1.78	1.60	1.52	1.44	1.38
1977.....	100.00	2.02	2.02	2.00	2.03	1.99	2.06	2.06	2.05	1.99	2.04	1.97	1.88	1.76	1.60	1.52	1.45	1.39
1978.....	100.80	1.98	1.97	1.96	1.98	1.94	2.00	2.00	1.99	1.92	1.97	1.90	1.81	1.70	1.54	1.47	1.39	1.34
1979.....	99.30	1.85	1.84	1.82	1.84	1.79	1.85	1.84	1.82	1.75	1.78	1.71	1.62	1.50	1.33	1.25	1.17	1.10
1980.....	98.80	1.77	1.76	1.73	1.75	1.70	1.75	1.74	1.71	1.64	1.67	1.59	1.50	1.38	1.22	1.14	1.05	.97
1981.....	99.80	1.74	1.73	1.71	1.72	1.67	1.72	1.71	1.68	1.61	1.63	1.56	1.47	1.36	1.21	1.13	1.04	.98
1982.....	99.20	1.67	1.65	1.63	1.63	1.59	1.63	1.61	1.59	1.51	1.53	1.46	1.37	1.25	1.10	1.03	.94	.87
1983.....	102.40	1.72	1.70	1.68	1.69	1.65	1.69	1.67	1.65	1.59	1.60	1.54	1.46	1.35	1.22	1.15	1.07	1.02
1984.....	104.30	1.72	1.71	1.69	1.69	1.65	1.69	1.68	1.66	1.60	1.62	1.55	1.47	1.37	1.25	1.18	1.12	1.07
1985.....	104.80	1.68	1.67	1.65	1.66	1.62	1.65	1.64	1.61	1.55	1.57	1.51	1.43	1.33	1.21	1.15	1.08	1.03
To	Index	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
1968.....	89.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1969.....	89.00	-.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1970.....	89.30	-.06	.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1971.....	91.90	.92	1.62	2.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1972.....	94.70	1.45	2.09	2.98	3.05	-	-	-	-	-	-	-	-	-	-	-	-	-
1973.....	96.40	1.52	2.02	2.58	2.42	1.80	-	-	-	-	-	-	-	-	-	-	-	-
1974.....	94.30	.89	1.16	1.37	.86	-.21	-	-	-	-	-	-	-	-	-	-	-	-
1975.....	96.00	1.02	1.27	1.46	1.10	.46	-.21	1.80	-	-	-	-	-	-	-	-	-	-
1976.....	98.50	1.22	1.46	1.65	1.40	.99	.72	2.20	2.60	-	-	-	-	-	-	-	-	-
1977.....	100.00	1.25	1.47	1.63	1.42	1.10	.92	1.98	2.06	1.52	-	-	-	-	-	-	-	-
1978.....	100.80	1.21	1.39	1.53	1.33	1.05	.90	1.68	1.64	1.16	-	-	-	-	-	-	-	-
1979.....	99.30	.96	1.10	1.19	.97	.68	.50	1.04	.85	.27	-.35	-1.49	-	-	-	-	-	-
1980.....	98.80	.84	.95	1.02	.81	.53	.35	.78	.58	.08	-.40	-1.00	-.50	-	-	-	-	-
1981.....	99.80	.85	.96	1.02	.83	.58	.43	.81	.65	.26	-.05	-.33	.25	1.01	-	-	-	-
1982.....	99.20	.75	.84	.88	.70	.47	.32	.64	.47	.12	-.16	-.40	-.03	.20	-.60	-	-	-
1983.....	102.40	.91	1.01	1.06	.91	.71	.61	.92	.81	.56	.40	.32	.77	1.20	1.29	3.23	-	-
1984.....	104.30	.97	1.06	1.12	.98	.81	.72	1.01	.93	.72	.60	.57	.99	1.36	1.48	2.54	1.86	-
1985.....	104.80	.94	1.03	1.07	.94	.78	.70	.96	.88	.69	.59	.56	.90	1.19	1.23	1.85	1.17	.48

Table 3.—Labor Productivity: Index of output per hour for the Wage and Salary Workers, Compound Annual Rates of Growth
[in percent]

To	Index	From																
		1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967
1951.....	59.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1952.....	61.15	2.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1953.....	63.12	2.62	3.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1954.....	65.05	2.77	3.14	3.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1955.....	66.54	2.65	2.86	2.67	2.28	-	-	-	-	-	-	-	-	-	-	-	-	-
1956.....	66.74	2.18	2.21	1.88	1.29	.31	-	-	-	-	-	-	-	-	-	-	-	-
1957.....	68.42	2.23	2.27	2.04	1.70	1.41	2.52	-	-	-	-	-	-	-	-	-	-	-
1958.....	70.14	2.27	2.31	2.13	1.90	1.77	2.52	2.52	-	-	-	-	-	-	-	-	-	-
1959.....	72.19	2.35	2.40	2.26	2.10	2.06	2.65	2.72	2.92	-	-	-	-	-	-	-	-	-
1960.....	73.35	2.27	2.30	2.17	2.02	1.97	2.39	2.35	2.26	1.61	-	-	-	-	-	-	-	-
1961.....	75.59	2.35	2.38	2.28	2.17	2.15	2.52	2.52	2.52	3.05	-	-	-	-	-	-	-	-
1962.....	77.74	2.39	2.43	2.34	2.25	2.25	2.58	2.59	2.80	2.50	2.95	2.85	-	-	-	-	-	-
1963.....	80.18	2.45	2.49	2.42	2.35	2.36	2.65	2.68	2.71	2.66	3.01	2.99	3.13	-	-	-	-	-
1964.....	82.95	2.53	2.57	2.52	2.46	2.48	2.76	2.79	2.84	2.82	3.12	3.15	3.30	3.46	-	-	-	-
1965.....	84.49	2.48	2.52	2.46	2.40	2.42	2.65	2.67	2.69	2.66	2.87	2.82	2.81	2.65	1.85	-	-	-
1966.....	85.65	2.41	2.44	2.38	2.32	2.32	2.53	2.53	2.53	2.47	2.62	2.53	2.45	2.22	1.61	1.37	-	-
1967.....	86.16	2.29	2.31	2.25	2.18	2.18	2.35	2.33	2.31	2.23	2.33	2.21	2.08	1.81	1.27	.98	.59	-
1968.....	88.32	2.31	2.32	2.26	2.21	2.20	2.36	2.35	2.33	2.27	2.35	2.25	2.15	1.95	1.58	1.49	1.55	2.51
1969.....	88.23	2.17	2.18	2.12	2.05	2.04	2.17	2.14	2.11	2.03	2.07	1.95	1.82	1.61	1.24	1.09	1.00	1.20
1970.....	89.84	2.15	2.16	2.10	2.04	2.02	2.15	2.12	2.08	2.01	2.05	1.94	1.82	1.64	1.34	1.24	1.20	1.41
1971.....	92.79	2.21	2.22	2.16	2.11	2.10	2.22	2.20	2.18	2.11	2.16	2.07	1.99	1.84	1.61	1.58	1.62	1.87
1972.....	94.67	2.20	2.21	2.16	2.11	2.10	2.21	2.19	2.17	2.11	2.15	2.07	1.99	1.86	1.67	1.64	1.68	1.90
1973.....	95.30	2.13	2.14	2.08	2.03	2.02	2.12	2.09	2.06	2.00	2.03	1.95	1.87	1.74	1.55	1.52	1.54	1.70
1974.....	95.03	2.02	2.02	1.97	1.91	1.89	1.98	1.95	1.92	1.85	1.87	1.78	1.69	1.56	1.37	1.31	1.31	1.41
1975.....	96.61	2.01	2.01	1.95	1.90	1.88	1.97	1.94	1.90	1.84	1.85	1.77	1.69	1.57	1.40	1.35	1.35	1.44
1976.....	98.96	2.03	2.03	1.97	1.92	1.91	1.99	1.96	1.93	1.87	1.89	1.81	1.74	1.63	1.48	1.45	1.45	1.55
1977.....	100.00	1.99	1.99	1.94	1.89	1.87	1.94	1.92	1.88	1.83	1.84	1.76	1.69	1.59	1.45	1.41	1.42	1.50
1978.....	100.62	1.94	1.93	1.88	1.83	1.81	1.88	1.85	1.82	1.76	1.77	1.70	1.63	1.53	1.39	1.35	1.35	1.42
1979.....	100.46	1.86	1.86	1.80	1.75	1.73	1.79	1.76	1.73	1.67	1.67	1.59	1.52	1.42	1.28	1.24	1.23	1.29
1980.....	101.70	1.84	1.83	1.78	1.73	1.71	1.77	1.74	1.70	1.65	1.65	1.57	1.50	1.41	1.28	1.24	1.23	1.28
1981.....	103.77	1.85	1.84	1.79	1.74	1.72	1.78	1.75	1.72	1.66	1.67	1.60	1.53	1.44	1.33	1.29	1.29	1.34
1982.....	104.03	1.79	1.79	1.74	1.69	1.67	1.72	1.69	1.66	1.60	1.60	1.53	1.47	1.38	1.27	1.23	1.22	1.26
1983.....	106.31	1.81	1.80	1.75	1.71	1.69	1.74	1.71	1.68	1.63	1.63	1.56	1.50	1.42	1.31	1.28	1.28	1.32
1984.....	106.84	1.77	1.76	1.71	1.67	1.65	1.69	1.66	1.63	1.58	1.58	1.52	1.46	1.38	1.27	1.24	1.24	1.27
1985.....	107.06	1.72	1.71	1.66	1.62	1.60	1.64	1.61	1.58	1.53	1.52	1.46	1.40	1.32	1.22	1.19	1.18	1.21
To	Index	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
1968.....	88.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1969.....	88.23	-.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1970.....	89.84	.86	1.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1971.....	92.79	1.66	2.55	3.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1972.....	94.67	1.75	2.38	2.65	2.03	-	-	-	-	-	-	-	-	-	-	-	-	-
1973.....	95.30	1.53	1.95	1.99	1.34	.66	-	-	-	-	-	-	-	-	-	-	-	-
1974.....	95.03	1.23	1.49	1.41	.80	.19	-.29	-	-	-	-	-	-	-	-	-	-	-
1975.....	96.61	1.29	1.52	1.46	1.01	.68	.69	1.67	-	-	-	-	-	-	-	-	-	-
1976.....	98.96	1.43	1.65	1.62	1.29	1.11	1.26	2.05	2.42	-	-	-	-	-	-	-	-	-
1977.....	100.00	1.39	1.58	1.54	1.25	1.10	1.21	1.72	1.74	1.06	-	-	-	-	-	-	-	-
1978.....	100.62	1.31	1.47	1.43	1.16	1.02	1.09	1.44	1.36	.84	.62	-	-	-	-	-	-	-
1979.....	100.46	1.18	1.31	1.25	1.00	.85	.88	1.12	.98	.50	.23	-.16	-	-	-	-	-	-
1980.....	101.70	1.18	1.30	1.25	1.02	.90	.93	1.14	1.03	.69	.56	.53	1.23	-	-	-	-	-
1981.....	103.77	1.25	1.36	1.32	1.12	1.02	1.07	1.27	1.20	.95	.93	1.03	1.63	2.04	-	-	-	-
1982.....	104.03	1.18	1.28	1.23	1.04	.95	.98	1.14	1.06	.84	.79	.84	1.17	1.14	.25	-	-	-
1983.....	106.31	1.24	1.34	1.30	1.14	1.06	1.10	1.25	1.20	1.03	1.03	1.11	1.43	1.49	1.22	2.19	-	-
1984.....	106.84	1.20	1.28	1.25	1.09	1.01	1.04	1.18	1.12	.96	.95	1.00	1.24	1.24	.98	1.34	.50	-
1985.....	107.06	1.14	1.22	1.18	1.03	.95	.97	1.09	1.03	.88	.86	.89	1.07	1.03	.78	.96	.35	.20

Table 4.—Labor Productivity: Index of output per hour for the Self-Employed, Compound Annual Rates of Growth
[In percent]

To	Index	From																
		1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967
1951.....	47.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1952.....	49.87	4.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1953.....	49.08	1.21	-1.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1954.....	48.57	.45	-1.31	-1.04	-	-	-	-	-	-	-	-	-	-	-	-	-	
1955.....	49.61	.87	-.18	.54	2.14	-	-	-	-	-	-	-	-	-	-	-	-	
1956.....	50.48	1.05	.31	.94	1.95	1.76	-	-	-	-	-	-	-	-	-	-	-	
1957.....	52.52	1.54	1.04	1.71	2.64	2.89	4.04	-	-	-	-	-	-	-	-	-	-	
1958.....	55.86	2.22	1.91	2.62	3.56	4.04	5.19	6.36	-	-	-	-	-	-	-	-	-	
1959.....	54.74	1.68	1.34	1.84	2.42	2.49	2.74	2.09	-2.00	-	-	-	-	-	-	-	-	
1960.....	55.86	1.72	1.43	1.87	2.36	2.40	2.56	2.08	.00	2.05	-	-	-	-	-	-	-	
1961.....	58.73	2.06	1.83	2.27	2.75	2.85	3.07	2.83	1.68	3.58	5.13	-	-	-	-	-	-	
1962.....	61.09	2.23	2.05	2.46	2.91	3.02	3.23	3.07	2.26	3.73	4.57	4.02	-	-	-	-	-	
1963.....	63.71	2.40	2.25	2.64	3.06	3.18	3.38	3.27	2.67	3.87	4.48	4.16	4.30	-	-	-	-	
1964.....	66.44	2.55	2.42	2.79	3.18	3.30	3.49	3.42	2.93	3.95	4.43	4.20	4.29	4.29	-	-	-	
1965.....	70.04	2.75	2.65	3.01	3.38	3.51	3.71	3.67	3.29	4.19	4.63	4.50	4.67	4.85	5.42	-	-	
1966.....	74.46	2.98	2.90	3.26	3.62	3.76	3.96	3.95	3.66	4.49	4.91	4.86	5.07	5.33	5.66	6.30	-	
1967.....	78.91	3.17	3.11	3.45	3.80	3.94	4.14	4.16	3.91	4.68	5.06	5.05	5.25	5.49	5.90	6.14	5.98	
1968.....	79.80	3.05	2.98	3.29	3.61	3.72	3.89	3.88	3.63	4.28	4.56	4.48	4.55	4.60	4.68	4.44	3.52	1.12
1969.....	80.93	2.95	2.89	3.18	3.46	3.56	3.70	3.67	3.43	3.99	4.20	4.09	4.10	4.07	4.02	3.68	2.82	1.27
1970.....	81.99	2.87	2.80	3.06	3.33	3.41	3.52	3.49	3.25	3.74	3.91	3.78	3.75	3.67	3.57	3.20	2.44	1.28
1971.....	84.74	2.89	2.83	3.08	3.33	3.40	3.51	3.48	3.26	3.71	3.86	3.73	3.70	3.63	3.53	3.22	2.62	1.80
1972.....	91.32	3.12	3.07	3.32	3.57	3.65	3.77	3.76	3.57	4.01	4.18	4.09	4.10	4.08	4.05	3.86	3.46	2.96
1973.....	102.65	3.52	3.50	3.76	4.02	4.12	4.26	4.28	4.14	4.59	4.79	4.76	4.83	4.88	4.95	4.89	4.69	4.48
1974.....	97.03	3.12	3.07	3.30	3.52	3.59	3.70	3.68	3.51	3.89	4.02	3.94	3.93	3.90	3.86	3.69	3.36	3.00
1975.....	96.50	2.96	2.91	3.12	3.32	3.38	3.47	3.44	3.27	3.61	3.71	3.61	3.58	3.52	3.45	3.26	2.92	2.55
1976.....	99.93	2.98	2.94	3.14	3.33	3.39	3.47	3.44	3.28	3.60	3.70	3.61	3.58	3.52	3.46	3.28	2.99	2.66
1977.....	100.00	2.87	2.82	3.01	3.19	3.24	3.31	3.27	3.11	3.40	3.48	3.38	3.34	3.27	3.19	3.01	2.72	2.40
1978.....	101.60	2.82	2.78	2.95	3.12	3.17	3.23	3.19	3.04	3.31	3.38	3.28	3.23	3.16	3.08	2.90	2.62	2.32
1979.....	100.38	2.68	2.62	2.79	2.95	2.98	3.03	2.99	2.83	3.08	3.13	3.02	2.96	2.88	2.79	2.60	2.32	2.03
1980.....	90.75	2.23	2.16	2.30	2.43	2.45	2.47	2.41	2.23	2.44	2.46	2.32	2.22	2.10	1.97	1.74	1.42	1.08
1981.....	89.74	2.11	2.05	2.18	2.30	2.31	2.33	2.26	2.08	2.27	2.28	2.14	2.04	1.92	1.78	1.56	1.25	.92
1982.....	82.02	1.75	1.67	1.79	1.89	1.88	1.88	1.80	1.61	1.77	1.76	1.60	1.48	1.34	1.18	.93	.61	.26
1983.....	82.22	1.70	1.63	1.73	1.83	1.82	1.82	1.74	1.56	1.71	1.69	1.54	1.42	1.28	1.13	.89	.58	.26
1984.....	91.94	1.99	1.93	2.05	2.15	2.15	2.16	2.10	1.94	2.10	2.10	1.97	1.88	1.76	1.64	1.44	1.18	.90
1985.....	94.18	2.01	1.95	2.06	2.16	2.16	2.17	2.11	1.95	2.11	2.11	1.99	1.90	1.79	1.68	1.49	1.24	.99
To	Index	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
1968.....	79.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1969.....	80.93	1.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1970.....	81.99	1.36	1.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1971.....	84.74	2.02	2.32	3.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1972.....	91.32	3.43	4.11	5.54	7.77	-	-	-	-	-	-	-	-	-	-	-	-	-
1973.....	102.65	5.17	6.12	7.78	10.06	12.41	-	-	-	-	-	-	-	-	-	-	-	-
1974.....	97.03	3.31	3.69	4.30	4.62	3.08	-5.48	-	-	-	-	-	-	-	-	-	-	-
1975.....	96.50	2.75	2.98	3.31	3.30	1.86	-3.04	-54	-	-	-	-	-	-	-	-	-	-
1976.....	99.93	2.85	3.06	3.35	3.35	2.28	-.89	1.49	3.56	-	-	-	-	-	-	-	-	-
1977.....	100.00	2.54	2.68	2.88	2.80	1.83	-.65	1.01	1.80	.07	-	-	-	-	-	-	-	-
1978.....	101.60	2.45	2.56	2.72	2.63	1.79	-.20	1.16	1.73	.83	1.60	-	-	-	-	-	-	-
1979.....	100.38	2.11	2.18	2.27	2.14	1.36	-.37	.68	.99	.15	.19	-1.20	-	-	-	-	-	-
1980.....	90.75	1.08	1.05	1.02	.76	-.08	-1.74	-1.11	-1.11	-1.22	-2.38	-3.18	-5.49	-	-	-	-	-
1981.....	89.74	.91	.86	.82	.58	-.19	-1.67	-1.11	-1.20	-2.13	-2.67	-4.06	-5.45	-1.12	-	-	-	-
1982.....	82.02	.20	.10	.00	-.30	-1.07	-2.46	-2.08	-2.30	-3.24	-3.89	-5.21	-6.51	-4.93	-8.60	-	-	-
1983.....	82.22	.20	.11	.02	-.25	-.95	-2.20	-1.82	-1.98	-2.75	-3.21	-4.15	-4.87	-3.24	-4.28	.25	-	-
1984.....	91.94	.89	.85	.82	.63	.06	-1.00	-.54	-.54	-1.04	-1.19	-1.65	-1.74	.33	.81	5.88	11.83	-
1985.....	94.18	.98	.95	.93	.76	.24	-.71	-.27	-.24	-.66	-.75	-1.08	-1.06	.75	1.22	4.72	7.03	2.44

Tables 13, 14, and 15 summarize both past and assumed future rates of increase in productivity for the total U.S. economy, wage and salary workers, and the self-employed, respectively.

The reader may notice that the assumed ultimate rates of productivity increase are not necessarily even, round values. Assumed productivity increases must be consistent with assumed increases in average real earnings, and with the linkages between productivity and earnings. Although we consider productivity to be the most fundamental economic parameter from a theoretical perspective, the assumed rates of increase in average real earnings more directly influence the financial status of the OASDI (and HI) system, and, as a result, are more frequently cited in this context. Therefore, increases in average real earnings (specifically, the real-wage differential) are projected in round, even rates for the purpose of easy citation, and productivity increases are assumed to take on uneven values so that consistency is maintained.

B. Average Real Earnings

Two different analyses are used to aid in the projection of the annual increases in average real earnings. The first is a direct analysis of the past annual increases in average real covered earnings. The second is an examination of experience on productivity, average real earnings, and the linkages between the two for the total U.S. economy. This is followed by an examination of the relationship between earnings in the U.S. economy and covered earnings. Although our primary goal is the analysis of average earnings for all workers, a subdivision into earnings of wage and salary workers and earnings of the self-employed provides additional insights into historical data and facilitates projection of future values.

1. Direct Analysis

Tables 5, 6, and 7 show historical average real OASDI covered earnings (indexed to 1967 by the CPI-W) for all workers, wage and salary workers, and the self-employed, respectively, along with the average annual increases over selected intervals.

Table 5.—Average Real Earnings for the OASDI Covered Employment (1967\$) and the Average Annual Percentage Change over Selected Intervals

Year	Average Real Earnings	Average Annual Percentage Change over the Following Number of Years:						
		1	5	10	15	20	25	30
1951.....	3292.98	-	-	-	-	-	-	-
1952.....	3372.86	2.43	-	-	-	-	-	-
1953.....	3545.98	5.13	-	-	-	-	-	-
1954.....	3583.63	1.06	-	-	-	-	-	-
1955.....	3746.94	4.56	-	-	-	-	-	-
1956.....	3936.93	5.07	3.64	-	-	-	-	-
1957.....	3934.34	-.07	3.13	-	-	-	-	-
1958.....	3917.83	-.42	2.01	-	-	-	-	-
1959.....	4072.93	3.96	2.59	-	-	-	-	-
1960.....	4125.49	1.29	1.94	-	-	-	-	-
1961.....	4149.79	.59	1.06	2.34	-	-	-	-
1962.....	4292.93	3.45	1.76	2.44	-	-	-	-
1963.....	4360.74	1.58	2.17	2.09	-	-	-	-
1964.....	4507.78	3.37	2.05	2.32	-	-	-	-
1965.....	4615.35	2.39	2.27	2.11	-	-	-	-
1966.....	4747.82	2.87	2.73	1.89	2.47	-	-	-
1967.....	4853.25	2.22	2.48	2.12	2.46	-	-	-
1968.....	4940.07	1.79	2.53	2.35	2.24	-	-	-
1969.....	4972.83	.66	1.98	2.02	2.21	-	-	-
1970.....	4909.61	-1.27	1.24	1.76	1.82	-	-	-
1971.....	4942.39	.66	.81	1.76	1.53	2.05	-	-
1972.....	5150.14	4.20	1.19	1.84	1.81	2.14	-	-
1973.....	5205.00	1.07	1.05	1.79	1.91	1.94	-	-
1974.....	5015.87	-3.63	.17	1.07	1.40	1.70	-	-
1975.....	4875.20	-2.80	-.14	.55	1.12	1.32	-	-
1976.....	4996.78	2.49	.22	.51	1.25	1.20	1.68	-
1977.....	5017.98	.42	-.52	.33	1.05	1.22	1.60	-
1978.....	5109.49	1.82	-.37	.34	1.06	1.34	1.47	-
1979.....	4994.64	-2.25	-.08	.04	.69	1.03	1.34	-
1980.....	4758.89	-4.72	-.48	-.31	.20	.72	.96	-
1981.....	4684.40	-1.57	-1.28	-.53	-.09	.61	.70	1.18
1982.....	4680.65	-.08	-1.38	-.95	-.24	.43	.70	1.10
1983.....	4776.14	2.04	-1.34	-.86	-.22	.46	.80	1.00
1984.....	4898.55	2.56	-.39	-.24	-.10	.42	.74	1.05
1985.....	4896.80	-.04	.57	.04	-.02	.30	.69	.90

Note: The average real earnings is defined as the average amount of total earnings per worker in the OASDI covered employment, divided by the CPI-W (base 1967), for each year.

Table 6.—Average Real Wages for the OASDI Covered Employment (1967\$) and the Average Annual Percentage Change over Selected Intervals

Year	Average Real Wages	Average Annual Percentage Change over the Following Number of Years:						
		1	5	10	15	20	25	30
1951.....	3117.49	-	-	-	-	-	-	-
1952.....	3216.99	3.19	-	-	-	-	-	-
1953.....	3399.82	5.68	-	-	-	-	-	-
1954.....	3445.52	1.34	-	-	-	-	-	-
1955.....	3589.30	4.17	-	-	-	-	-	-
1956.....	3759.43	4.74	3.82	-	-	-	-	-
1957.....	3769.56	.27	3.22	-	-	-	-	-
1958.....	3754.01	-.41	2.00	-	-	-	-	-
1959.....	3905.87	4.05	2.54	-	-	-	-	-
1960.....	3975.45	1.78	2.06	-	-	-	-	-
1961.....	3988.99	.34	1.19	2.50	-	-	-	-
1962.....	4127.49	3.47	1.83	2.52	-	-	-	-
1963.....	4193.82	1.61	2.24	2.12	-	-	-	-
1964.....	4331.95	3.29	2.09	2.32	-	-	-	-
1965.....	4370.92	.90	1.91	1.99	-	-	-	-
1966.....	4485.66	2.63	2.37	1.78	2.46	-	-	-
1967.....	4603.92	2.64	2.21	2.02	2.42	-	-	-
1968.....	4699.95	2.09	2.30	2.27	2.18	-	-	-
1969.....	4758.19	1.24	1.89	1.99	2.18	-	-	-
1970.....	4715.19	-.90	1.53	1.72	1.84	-	-	-
1971.....	4745.19	.64	1.13	1.75	1.56	2.12	-	-
1972.....	4929.50	3.88	1.38	1.79	1.80	2.16	-	-
1973.....	4959.96	.62	1.08	1.69	1.87	1.91	-	-
1974.....	4796.25	-3.30	.16	1.02	1.38	1.67	-	-
1975.....	4687.36	-2.27	-.12	.70	1.10	1.34	-	-
1976.....	4809.43	2.60	.27	.70	1.25	1.24	1.75	-
1977.....	4842.70	.69	-.35	.51	1.07	1.26	1.65	-
1978.....	4932.74	1.86	-.11	.48	1.09	1.37	1.50	-
1979.....	4834.09	-2.00	.16	.16	.73	1.07	1.36	-
1980.....	4647.37	-3.86	-.17	-.14	.41	.78	1.04	-
1981.....	4605.05	-.91	-.86	-.30	.18	.72	.81	1.31
1982.....	4630.26	.55	-.89	-.62	.04	.58	.83	1.22
1983.....	4720.83	1.96	-.87	-.49	.03	.59	.92	1.10
1984.....	4830.77	2.33	-.01	.07	.10	.55	.85	1.13
1985.....	4857.59	.56	.89	.36	.20	.53	.80	1.01

Note: The average real wages is defined as the average amount of total wages per worker in the OASDI covered employment, divided by the CPI-W (base 1967), for each year.

**Table 7.—Average Real Self-Employment Income for the OASDI Covered Employment (1967\$)
and the Average Annual Percentage Change over Selected Intervals**

Year	Average Real SEI	Average Annual Percentage Change over the Following Number of Years:						
		1	5	10	15	20	25	30
1951.....	5030.95	-	-	-	-	-	-	-
1952.....	4861.03	-3.38	-	-	-	-	-	-
1953.....	4884.71	.49	-	-	-	-	-	-
1954.....	4799.39	-1.75	-	-	-	-	-	-
1955.....	4481.94	-6.61	-	-	-	-	-	-
1956.....	4701.66	4.90	-1.34	-	-	-	-	-
1957.....	4716.25	.31	-.60	-	-	-	-	-
1958.....	4619.97	-2.04	-1.11	-	-	-	-	-
1959.....	4850.12	4.98	.21	-	-	-	-	-
1960.....	4795.63	-1.12	1.36	-	-	-	-	-
1961.....	4932.20	2.85	.96	-.20	-	-	-	-
1962.....	5139.29	4.20	1.73	.56	-	-	-	-
1963.....	5241.71	1.99	2.56	.71	-	-	-	-
1964.....	5577.27	6.40	2.83	1.51	-	-	-	-
1965.....	6514.21	16.80	6.32	3.81	-	-	-	-
1966.....	6822.76	4.74	6.70	3.79	2.05	-	-	-
1967.....	6926.34	1.52	6.15	3.92	2.39	-	-	-
1968.....	6779.04	-2.13	5.28	3.91	2.21	-	-	-
1969.....	6753.46	-.38	3.90	3.37	2.30	-	-	-
1970.....	6581.98	-2.54	.21	3.22	2.59	-	-	-
1971.....	6607.88	.39	-.64	2.97	2.29	1.37	-	-
1972.....	6966.77	5.43	.12	3.09	2.64	1.82	-	-
1973.....	7092.00	1.80	.91	3.07	2.90	1.88	-	-
1974.....	6662.89	-6.05	-.27	1.79	2.14	1.65	-	-
1975.....	6237.76	-6.38	-1.07	-.43	1.77	1.67	-	-
1976.....	6087.74	-2.41	-1.63	-1.13	1.41	1.30	.77	-
1977.....	5942.92	-2.38	-3.13	-1.52	.97	1.16	.81	-
1978.....	5966.13	.39	-3.40	-1.27	.87	1.29	.80	-
1979.....	5627.76	-5.67	-3.32	-1.81	.06	.75	.64	-
1980.....	4823.93	-14.28	-5.01	-3.06	-1.98	.03	.29	-
1981.....	4382.85	-9.56	-6.45	-4.07	-2.94	-.61	-.30	-.47
1982.....	3990.45	-8.54	-7.66	-5.42	-3.61	-1.26	-.67	-.66
1983.....	4054.06	1.59	-7.44	-5.44	-3.37	-1.28	-.52	-.62
1984.....	4077.26	.57	-6.24	-4.79	-3.31	-1.55	-.69	-.54
1985.....	3938.35	-3.41	-3.98	-4.49	-3.37	-2.48	-.78	-.43

Note: The average real self-employment income is defined as the average amount of total self-employment income per worker in the OASDI covered employment, divided by the CPI-W (base 1967), for each year.

The annual increase in average real earnings has fluctuated between 5.13 percent in 1953 and -4.72 percent in 1980. The moving averages shown in Table 5 reveal that the general trend since the mid-1960's has been downward. Few analysts believe that the future trend of average real earnings will be to continue downward, or even to level off at the current low level. A significant increase in average real covered earnings has already been registered for 1983 and 1984, although 1985 shows a loss of 0.04 percent.

Many factors have affected average real earnings in the past and can be expected to affect average real covered earnings in the future. It is difficult to enumer-

ate all of these factors and even more difficult to quantify their effects. We have quantified the effects of the changing age-sex composition of covered workers, albeit imperfectly. Because average earnings vary by age and sex, a change in the composition of the workforce affects the average for all workers combined. Table 8 shows the annual increases in average real covered earnings, age-sex adjusted according to the age-sex distribution of covered workers in 1970. Thus, Table 8 is a modification of Table 5 that permits us to quantify the effects of the changing age-sex composition of covered workers on average real earnings for all workers combined.

Table 8.—Average Real Earnings Age-Sex Adjusted for OASDI Covered Employment (1967\$) and the Average Annual Percentage Change over Selected Intervals

Year	Average Real Earnings	Average Annual Percentage Change over the Following Number of Years:							
		1	5	10	15	20	25	30	
1951.....	3181.27	-	-	-	-	-	-	-	-
1952.....	3234.05	1.66	-	-	-	-	-	-	-
1953.....	3374.39	4.34	-	-	-	-	-	-	-
1954.....	3384.29	.29	-	-	-	-	-	-	-
1955.....	3511.42	3.76	-	-	-	-	-	-	-
1956.....	3693.96	5.20	3.03	-	-	-	-	-	-
1957.....	3696.03	.06	2.71	-	-	-	-	-	-
1958.....	3685.00	-.30	1.78	-	-	-	-	-	-
1959.....	3835.54	4.09	2.53	-	-	-	-	-	-
1960.....	3889.74	1.41	2.07	-	-	-	-	-	-
1961.....	3907.69	.46	1.13	2.08	-	-	-	-	-
1962.....	4057.72	3.84	1.88	2.29	-	-	-	-	-
1963.....	4133.44	1.87	2.32	2.05	-	-	-	-	-
1964.....	4312.13	4.32	2.37	2.45	-	-	-	-	-
1965.....	4478.63	3.86	2.86	2.46	-	-	-	-	-
1966.....	4667.39	4.21	3.62	2.37	2.59	-	-	-	-
1967.....	4780.05	2.41	3.33	2.61	2.64	-	-	-	-
1968.....	4899.59	2.50	3.46	2.89	2.52	-	-	-	-
1969.....	4971.68	1.47	2.89	2.63	2.60	-	-	-	-
1970.....	4909.81	-1.24	1.86	2.36	2.26	-	-	-	-
1971.....	4944.70	.71	1.16	2.38	1.96	2.23	-	-	-
1972.....	5182.48	4.81	1.63	2.48	2.28	2.39	-	-	-
1973.....	5286.81	2.01	1.53	2.49	2.44	2.27	-	-	-
1974.....	5092.95	-3.67	.48	1.68	1.91	2.06	-	-	-
1975.....	4921.45	-3.37	.05	.95	1.58	1.70	-	-	-
1976.....	5054.82	2.71	.44	.80	1.73	1.58	1.87	-	-
1977.....	5087.59	.65	-.37	.63	1.52	1.61	1.83	-	-
1978.....	5171.41	1.65	-.44	.54	1.50	1.71	1.72	-	-
1979.....	5062.20	-2.11	-.12	.18	1.07	1.40	1.62	-	-
1980.....	4777.62	-5.62	-.59	-.27	.43	1.03	1.24	-	-
1981.....	4669.18	-2.27	-1.57	-.57	.00	.89	.94	1.29	-
1982.....	4611.28	-1.24	-1.95	-1.16	-.24	.64	.89	1.19	-
1983.....	4674.18	1.36	-2.00	-1.22	-.31	.62	.96	1.09	-
1984.....	4765.90	1.96	-1.20	-.66	-.28	.50	.87	1.15	-
1985.....	4737.61	-.59	-.17	-.38	-.24	.28	.79	1.00	-

Note: The average real earnings is defined as the average amount of total earnings per worker in the OASDI covered employment, divided by the CPI-W (base 1967), for each year. The age-sex adjusted average real earnings is based on the distribution of the 1970 covered worker population.

The average real earnings level for each specific age-sex group is the same in Table 8 as in Table 5, but for each year the weighting of each age-sex group in Table 8 is the number of covered workers in 1970, while the weighting in Table 5 is the number of covered workers for the specified year. Estimates of average earnings by age and sex are based on median earnings data available through 1979. Age-sex relative earnings levels are assumed to remain constant after 1979 for Table 8. The analysis shows that since 1951, the changing composition of the workforce has had a dampening effect on increases in average real earnings. The average annual increase over the 30-year period 1955-85 was 0.90 percent, but it was 1.00 percent on the age-sex adjusted basis. It also shows that this demographic effect on average real earnings has recently reversed. Our analysis, based on the expected future age-sex distribution of covered workers, shows that there will be a favorable trend from now until 1995, adding roughly 0.5 percent to the annual increase in average real earnings, and that

after 1995, the demographic effects should be of little consequence.

This demographic labor force composition effect (which has depressed the growth in average real earnings in the past but will likely aid in its growth in the near future) is the result of the increasing labor-force participation of women and the movement through the various working ages of the large baby-boom generation. Past increases in the labor force participation of women and the coming of working age by the baby-boom generation have introduced large numbers of inexperienced workers, thus bringing down the average earnings level. As the increases in the labor-force-participation rates for women decelerate, the depressing effect of the earlier rapid increases on average real earnings will diminish. Average real earnings have also been depressed while the baby-boom generation was entering the labor force, but will be enhanced as the baby-boom generation reaches the age of prime earning power.

**Table 9.—Average Real Earnings for the Total U.S. Economy (1967\$)
and the Average Annual Percentage Change over Selected Intervals**

Year	Average Real Earnings	Average Annual Percentage Change over the Following Number of Years:						
		1	5	10	15	20	25	30
1951.....	4390.60	-	-	-	-	-	-	-
1952.....	4521.24	2.98	-	-	-	-	-	-
1953.....	4660.62	3.08	-	-	-	-	-	-
1954.....	4705.06	.95	-	-	-	-	-	-
1955.....	4911.35	4.38	-	-	-	-	-	-
1956.....	5068.65	3.20	2.91	-	-	-	-	-
1957.....	5115.45	.92	2.50	-	-	-	-	-
1958.....	5138.85	.46	1.97	-	-	-	-	-
1959.....	5310.12	3.33	2.45	-	-	-	-	-
1960.....	5367.60	1.08	1.79	-	-	-	-	-
1961.....	5470.49	1.92	1.54	2.22	-	-	-	-
1962.....	5647.78	3.24	2.00	2.25	-	-	-	-
1963.....	5757.12	1.84	2.30	2.14	-	-	-	-
1964.....	5947.11	3.30	2.29	2.37	-	-	-	-
1965.....	6151.05	3.43	2.76	2.28	-	-	-	-
1966.....	6354.75	3.31	3.04	2.29	2.50	-	-	-
1967.....	6427.26	1.14	2.62	2.31	2.37	-	-	-
1968.....	6611.89	2.87	2.81	2.55	2.36	-	-	-
1969.....	6683.95	1.09	2.36	2.33	2.37	-	-	-
1970.....	6634.71	-.74	1.53	2.14	2.03	-	-	-
1971.....	6731.28	1.46	1.16	2.10	1.91	2.16	-	-
1972.....	6954.41	3.31	1.59	2.10	2.07	2.18	-	-
1973.....	7118.50	2.36	1.49	2.15	2.20	2.14	-	-
1974.....	6778.76	-4.77	.28	1.32	1.64	1.84	-	-
1975.....	6623.77	-2.29	-.03	.74	1.41	1.51	-	-
1976.....	6693.58	1.05	-.11	.52	1.35	1.40	1.70	-
1977.....	6709.72	.24	-.71	.43	1.16	1.37	1.59	-
1978.....	6756.27	.69	-1.04	.22	1.07	1.38	1.50	-
1979.....	6574.50	-2.69	-.61	-.16	.67	1.07	1.35	-
1980.....	6199.57	-5.70	-1.31	-.68	.05	.72	.94	-
1981.....	6077.31	-1.97	-1.91	-1.02	-.30	.53	.73	1.09
1982.....	6001.65	-1.24	-2.21	-1.46	-.46	.30	.64	.95
1983.....	6094.06	1.54	-2.04	-1.54	-.54	.28	.68	.90
1984.....	6267.72	3.18	-.89	-.75	-.41	.28	.68	.97
1985.....	6371.92	1.34	.55	-.39	-.27	.18	.69	.87

Note: The average real earnings is defined as the average amount of total earnings per worker in the total U.S. economy, divided by the CPI-W (base 1967), for each year.

**Table 10.—Average Real Wages for the Total U.S. Economy (1967\$)
and the Average Annual Percentage Change over Selected Intervals**

Year	Average Real Wages	Average Annual Percentage Change over the Following Number of Years:						
		1	5	10	15	20	25	30
1951.....	3897.06	-	-	-	-	-	-	-
1952.....	4029.71	3.40	-	-	-	-	-	-
1953.....	4194.76	4.10	-	-	-	-	-	-
1954.....	4254.46	1.42	-	-	-	-	-	-
1955.....	4456.19	4.74	-	-	-	-	-	-
1956.....	4598.39	3.19	3.37	-	-	-	-	-
1957.....	4625.83	.60	2.80	-	-	-	-	-
1958.....	4635.85	.22	2.02	-	-	-	-	-
1959.....	4820.97	3.99	2.53	-	-	-	-	-
1960.....	4899.89	1.64	1.92	-	-	-	-	-
1961.....	4968.39	1.40	1.56	2.46	-	-	-	-
1962.....	5102.34	2.70	1.98	2.39	-	-	-	-
1963.....	5214.83	2.20	2.38	2.20	-	-	-	-
1964.....	5387.09	3.30	2.25	2.39	-	-	-	-
1965.....	5510.70	2.29	2.38	2.15	-	-	-	-
1966.....	5582.56	1.30	2.36	1.96	2.43	-	-	-
1967.....	5670.63	1.58	2.13	2.06	2.30	-	-	-
1968.....	5819.87	2.63	2.22	2.30	2.21	-	-	-
1969.....	5892.19	1.24	1.81	2.03	2.19	-	-	-
1970.....	5926.83	.59	1.47	1.92	1.92	-	-	-
1971.....	6032.74	1.79	1.56	1.96	1.83	2.21	-	-
1972.....	6228.73	3.25	1.90	2.01	2.00	2.20	-	-
1973.....	6230.60	.03	1.37	1.80	1.99	2.00	-	-
1974.....	6020.14	-3.38	.43	1.12	1.49	1.75	-	-
1975.....	5919.84	-1.67	-.02	.72	1.27	1.43	-	-
1976.....	6015.73	1.62	-.06	.75	1.28	1.35	1.75	-
1977.....	6033.93	.30	-.63	.62	1.12	1.34	1.63	-
1978.....	6024.36	-.16	-.67	.35	.97	1.32	1.46	-
1979.....	5865.40	-2.64	-.52	-.05	.57	.99	1.29	-
1980.....	5645.20	-3.75	-.95	-.49	.16	.71	.95	-
1981.....	5590.08	-.98	-1.46	-.76	.01	.59	.78	1.21
1982.....	5617.05	.48	-1.42	-1.03	-.06	.48	.78	1.11
1983.....	5712.73	1.70	-1.06	-.86	-.12	.46	.84	1.03
1984.....	5781.88	1.21	-.29	-.40	-.13	.35	.73	1.03
1985.....	5822.62	.70	.62	-.17	-.12	.28	.69	.90

Note: The average real wages is defined as the average amount of total wages per worker in the total U.S. economy, divided by the CPI-W (base 1967), for each year.

Table 11.—Average Real Self-Employment Income for the Total U.S. Economy (1967\$) and the Average Annual Percentage Change over Selected Intervals

Year	Average Real SEI	Average Annual Percentage Change over the Following Number of Years:						
		1	5	10	15	20	25	30
1951.....	5831.04	-	-	-	-	-	-	-
1952.....	5790.18	-.70	-	-	-	-	-	-
1953.....	5712.03	-1.35	-	-	-	-	-	-
1954.....	5794.56	1.44	-	-	-	-	-	-
1955.....	6182.00	6.69	-	-	-	-	-	-
1956.....	6411.46	3.71	1.92	-	-	-	-	-
1957.....	6568.81	2.45	2.56	-	-	-	-	-
1958.....	6912.53	5.23	3.89	-	-	-	-	-
1959.....	7025.10	1.63	3.93	-	-	-	-	-
1960.....	7078.11	.75	2.74	-	-	-	-	-
1961.....	7413.01	4.73	2.95	2.43	-	-	-	-
1962.....	7797.69	5.19	3.49	3.02	-	-	-	-
1963.....	8142.27	4.42	3.33	3.61	-	-	-	-
1964.....	8504.28	4.45	3.90	3.91	-	-	-	-
1965.....	9158.30	7.69	5.29	4.01	-	-	-	-
1966.....	9840.93	7.45	5.83	4.38	3.55	-	-	-
1967.....	9894.45	.54	4.88	4.18	3.64	-	-	-
1968.....	10172.13	2.81	4.55	3.94	3.92	-	-	-
1969.....	10029.52	-1.40	3.35	3.62	3.73	-	-	-
1970.....	9715.89	-3.13	1.19	3.22	3.06	-	-	-
1971.....	10022.64	3.16	.37	3.06	3.02	2.75	-	-
1972.....	10847.46	8.23	1.86	3.36	3.40	3.19	-	-
1973.....	12224.35	12.69	3.74	4.15	3.87	3.88	-	-
1974.....	10683.08	-12.61	1.27	2.31	2.83	3.11	-	-
1975.....	10361.99	-3.01	1.30	1.24	2.57	2.62	-	-
1976.....	10776.78	4.00	1.46	.91	2.53	2.63	2.49	-
1977.....	10856.39	.74	.02	.93	2.23	2.54	2.55	-
1978.....	11111.32	2.35	-1.89	.89	2.09	2.40	2.70	-
1979.....	10475.88	-5.72	-.39	.44	1.40	2.02	2.40	-
1980.....	8450.09	-19.34	-4.00	-1.39	-.54	.89	1.26	-
1981.....	7836.25	-7.26	-6.17	-2.43	-1.51	.28	.81	.99
1982.....	6814.35	-13.04	-8.89	-4.54	-2.46	-.67	.15	.54
1983.....	6967.99	2.25	-8.91	-5.47	-2.49	-.78	.03	.66
1984.....	8182.70	17.43	-4.82	-2.63	-1.35	-1.19	.61	1.16
1985.....	8564.21	4.66	.27	-1.89	-.84	-.33	.77	1.09

Note: The average real self-employment income is defined as the average amount of total self-employment income per worker in the total U.S. economy, divided by the CPI-W (base 1967), for each year.

Table 12.—Average Annual Percentage Change in Productivity and Average Real Earnings for Total U.S. Economy by Alternative

Period	Productivity		Average Real Earnings (Total U.S. Economy)		Average Real Earnings (OASDI Covered)	
	Differential	Growth	Differential	Growth	Differential	Growth
Past Experience:						
1955-1965.....	2.65	2.59	2.31	2.28	2.14	2.11
1965-1975.....	1.64	1.55	.78	.74	.58	.55
1975-1985.....	.96	.90	-.41	-.39	.05	.04
1955-1985.....	1.76	1.68	.91	.87	.94	.90
Assumptions for 1985-1996:						
Alternative I.....	1.95	1.90	1.84	1.80	2.25	2.20
Alternative II-A.....	1.70	1.65	1.42	1.38	1.83	1.78
Alternative II-B.....	1.39	1.34	.91	.88	1.33	1.29
Alternative III.....	.85	.81	.13	.12	.54	.52
Ultimate Assumptions:						
Alternative I.....	2.41	2.36	2.51	2.46	2.50	2.45
Alternative II-A.....	2.11	2.05	2.02	1.96	2.01	1.95
Alternative II-B.....	1.77	1.70	1.53	1.47	1.51	1.46
Alternative III.....	1.59	1.51	1.04	.99	1.02	.97

2. Analysis in Relation to Productivity

Because, over a long period of time, increases in average real earnings are only possible if productivity increases, our second analysis of annual increase in average real earnings is based on the analysis of the productivity of workers and of the linkages between their productivity and their average real earnings. Because productivity and related data are available for the total U.S. economy, but not for the OASDI covered economy, this analysis is done in two stages. First we analyze the historical relationship between productivity and average real earnings in the U.S. economy, and then we examine the relationship between average real earnings in the U.S. economy and average real earnings of OASDI covered workers.

a. Productivity and average earnings in the U.S. economy

The relationship between productivity (production per hour paid) and average real earnings for the U.S. economy⁵ can be summarized in the following formula:

$$(\text{Production/Hour}) \times (\text{Compensation/Production}) \times (\text{Earnings/Compensation}) \times (\text{Hours per Worker/Week}) \times (\text{GNP Deflator/CPI-W}) \times 52 = (\text{Real Earnings per Worker/Week}) \times 52.$$

From this equation additional insight into increases in average real earnings can be obtained by analyzing increases in productivity and changes over time in each of the above linkages. Table 13 summarizes the average annual changes in each of these factors over the period 1955 to 1985. Tables 1 and 9 show historical levels and rates of increase in productivity and average real earnings for the U.S. economy.

⁵Data considerations described in Section II.B.2. require analysis of average earnings per week for the U.S. economy.

Tables 13, 14, and 15 show that the decline in the growth of average real earnings has been the result of declines in the growth of productivity and declines in the linkages. The first linkage is the ratio of compensation to production. This ratio is calculated by dividing the total worker compensation in the U.S. economy by the Gross National Product. Compensation is measured by the Bureau of Economic Analysis (BEA) of the

Department of Commerce and is reported in the National Income and Product Accounts (NIPA) as total employee compensation, for wage and salary workers, and as net proprietors income, for the self-employed. The method we use to subdivide GNP into the component attributed to wage and salary workers and that attributed to the self-employed is described in Section V.D, Actual GNP82.

Table 13.—Average Annual Percentage Change in Average Real Earnings, Productivity, and their Linkages, for Total U.S. Economy

Period	Productivity (1)	Total Linkages (2)	Compenstn per Production (3)	Earnings per Compenstn (4)	Hours per Week (5)	Price Adjustment (6)	Residual (7)	Average Real Earnings (8)
Historical:								
1955-1965	2.59	-.31	-.14	-.27	-.46	.55	.01	2.28
1965-1975	1.55	-.79	-.19	-.52	-.74	.27	.01	.74
1975-1985 .....	.90	-1.28	-.24	-.33	-.22	-.49	.00	-.39
1955-1985	1.68	-.79	-.06	-.38	-.47	.11	.01	.87
Assumed for 1985-1996:								
Alternative I	1.90	-.10	-.16	-.19	.10	.15	.00	1.80
Alternative II-A	1.65	-.27	-.14	-.20	.00	.07	.00	1.38
Alternative II-B	1.34	-.46	-.11	-.21	-.05	-.08	.00	.88
Alternative III .....	.81	-.69	-.05	-.22	-.25	-.16	.00	.12
Ultimate:								
Alternative I	2.36	.10	.00	.00	.10	.00	.00	2.46
Alternative II-A	2.05	-.09	.00	-.09	.00	.00	.00	1.96
Alternative II-B	1.70	-.23	.00	-.18	-.05	.00	.00	1.47
Alternative III	1.51	-.51	.00	-.26	-.25	.00	.00	.99

Table 14.—Average Annual Percentage Change in Average Real Wages, Productivity, and their Linkages, for Total U.S. Economy

Period	Productivity (1)	Total Linkages (2)	Compenstn per Production (3)	Wages per Compenstn (4)	Hours per Week (5)	Price Adjustment (6)	Residual (7)	Average Real Wages (8)
Historical:								
1955-1965	2.42	-.26	-.06	-.30	-.45	.55	.00	2.15
1965-1975	1.35	-.62	.38	-.58	-.69	.27	.00	.72
1975-1985	1.03	-1.19	-.17	-.34	-.19	-.49	.00	-.17
1955-1985	1.60	-.69	.05	-.40	-.45	.11	.00	.90
Assumed for 1985-1996:								
Alternative I	2.08	-.08	-.14	-.19	.10	.15	.00	2.00
Alternative II-A	1.81	-.25	-.12	-.20	.00	.07	.00	1.55
Alternative II-B	1.49	-.44	-.10	-.21	-.05	-.08	.00	1.03
Alternative III .....	.91	-.69	-.04	-.24	-.25	-.16	.00	.21
Ultimate:								
Alternative I	2.36	.10	.00	.00	.10	.00	.00	2.46
Alternative II-A	2.05	-.10	.00	-.10	.00	.00	.00	1.95
Alternative II-B	1.70	-.25	.00	-.20	-.05	.00	.00	1.45
Alternative III	1.51	-.55	.00	-.30	-.25	.00	.00	.95

Table 15.—Average Annual Percentage Change in Average Real Self-Employment Income(SEI), Productivity, and their Linkages, for Total U.S. Economy

Period	Productivity (1)	Total Linkages (2)	Compenstn per Production (3)	SEI per Compenstn (4)	Hours per Week (5)	Price Adjustment (6)	Residual (7)	Average Real SEI (8)
Historical:								
1955-1965	3.51	.48	-.22	.00	.15	.55	.00	4.01
1965-1975	3.26	-1.95	-.98	.00	-1.25	.27	.00	1.24
1975-1985	-.24	-1.65	-.73	.00	-.43	-.49	.00	-1.89
1955-1985	2.16	-1.05	-.65	.00	-.51	.11	.00	1.09
Assumed for 1985-1996:								
Alternative I	-.76	-.02	-.26	.00	.10	.15	.00	-.77
Alternative II-A	-.84	-.17	-.24	.00	.00	.07	.00	-1.01
Alternative II-B	-.98	-.36	-.22	.00	-.05	-.08	.00	-1.34
Alternative III	-.97	-.57	-.16	.00	-.25	-.16	.00	-1.54
Ultimate:								
Alternative I	2.36	.10	.00	.00	.10	.00	.00	2.46
Alternative II-A	2.05	.00	.00	.00	.00	.00	.00	2.05
Alternative II-B	1.70	-.05	.00	.00	-.05	.00	.00	1.65
Alternative III	1.51	-.25	.00	.00	-.25	.00	.00	1.26

Table A17 provides a detailed presentation of the historical and projected values of the ratio of compensation to GNP. The ratio of compensation to production for wage and salary workers was 0.64 in 1955; then the ratio followed a rather consistent upward path until it peaked at 0.68 in 1974, and moved down again to 0.65 in 1981 where it has remained, approximately, through 1985. For the self-employed there has been a significant decline—from 0.82 in 1955 to 0.68 in 1985.

The projected values of the ratio of compensation to production for wage and salary workers increase to a peak of about 0.66 in 1986 or 1987; then, for all four alternatives, this ratio goes down to a low of about 0.64 or 0.65 in 1996 or 1997, and up to the ultimate level of about 0.65 in 2015. (The reader will note that the differences among alternatives are very slight.) The projected values of the ratio of compensation to production for self-employed workers increase to a near-term peak of about 0.68 or 0.69 in 1986 or 1987; then they

decline, for the most part, to the same ultimate values in 2015 as are projected for wage and salary workers.

The second linkage is the ratio of earnings to compensation. For the self-employed, compensation and earnings are by definition equal, so that no change in this ratio can occur. For wage and salary workers total employee compensation includes fringe benefits in addition to wages and salaries. The ratio of wages to compensation (Table A12) has declined from 0.94 in 1951 to 0.83 in 1985, and thus has had a depressing effect on the growth of average earnings (Table 13). The decline in the ratio of wages to compensation is the result of fringe benefits increasing at a faster rate than wages. Because fringe benefits offer both employers and employees many advantages, they are expected to continue to grow faster than wages.

In many cases, fringe benefits are more desirable to employees than wages, because fringe benefits are often afforded better tax treatment and because they often provide, on a group basis, benefits that are either unavailable or much more expensive on an individual basis. Fringe benefits can also help employers to compete for new employees and to retain experienced ones. Therefore, more workers can be expected to be covered by fringe-benefit plans in the future, and most of those that are covered can expect an expansion in the types of benefits provided. In addition, the costs of many types of benefits, such as health insurance, pension plans, and Social insurance are rising faster than wages even without a liberalization in plan provisions. For all of these reasons, we believe that there is still much potential for continued faster growth in fringe benefits relative to wages.⁶ The assumed ultimate rate of decline in the ratio of wages to compensation is 0.0, -0.1, -0.2, and -0.3 percent for alternatives I, II-A, II-B, and III, respectively. These declines are less than our annual rates of decline for the 1986 Trustees Report because of the less favorable treatment accorded certain fringe benefits under the Tax Reform Act of 1986, and because of the recent slowdown observed in the rate of decline in the ratio of wages to employee compensation (Table A12).

The third linkage is the number of hours paid per week, which has also had a depressing effect on the growth in average real earnings over the past 30 years. In the analysis of the average number of hours paid per week, we used, for the first time, unpublished data from the BLS for total hours worked in the U.S. economy—the same values used in developing productivity values for the total U.S. economy. As a result, there is now almost total consistency among the values in Tables 13, 14, and 15 as can be seen from the negligible residual values. The decline in the number of hours paid per week has been fairly steady over the last 30 years. Some of the factors contributing to this decline are the relative increase in young workers and female workers in the labor force (both groups work fewer hours than

the average), the relative increase in employment of service industries versus manufacturing, and a desire by labor to work fewer hours (particularly when their average real earnings are increasing). However, steady recent economic growth has resulted in an increase in the average number of hours paid per week for years 1983 through 1985. Reflecting this observation, the 1987 Trustees Report assumes an ultimate annual rate of change of 0.10, 0.00, -0.05, and -0.25 percent for alternatives I, II-A, II-B, and III, respectively (Table 13).

The fourth linkage, referred to as “price adjustment,” is the ratio of the GNP price deflator index to the Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W). This linkage is necessary because productivity and real earnings are customarily expressed in constant, or real, dollars by dividing by the GNP price deflator and the CPI-W, respectively. Thus, an adjustment for the difference in these price indexes is necessary when comparing (real) productivity with real earnings. Although these two indexes may indicate different rates of price increase over relatively short periods, they tend to rise at about the same rate over an extended period. For this reason, we assume that these indexes will ultimately rise at the same rate.

A final factor which must be included in the historical analysis is the residual. It includes the errors due to any inconsistencies in the other linkages as well as any statistical discrepancies among the other figures. The residual amounted to an increase of only 0.01 percent per year between average productivity and real earnings increases over the past 30 years (Table 13). Future assumptions are, of course, assumed to include no error, and no statistical discrepancy, and thus the residual is assumed to be zero.

b. Average earnings in the U.S. economy versus average earnings for OASDI covered workers

Four factors contribute to the differences between our measures of average real earnings for the U.S. versus those for OASDI covered workers. First, over the years since the Social Security Act was passed in 1935, many changes in the types of work included in covered employment have been made. These changes have sometimes resulted in increases in the average covered earnings level relative to the level for the U.S. economy and have sometimes resulted in decreases. The second factor is the changing relative earnings levels of workers in different sectors, covered vs. noncovered, of the economy. These changes can cause average covered earnings to rise or fall relative to average U.S. earnings even when Social Security coverage is stable. Third, the fact that average earnings in the U.S. economy are actually calculated as average weekly earnings multiplied by 52 (see section II.B.2.) means that any change in the average number of weeks worked per year will cause a similar change in the level of average covered earnings relative to the level of U.S. earnings. Fourth, statistical discrepancies are inevitable because of the different sources of data for these two measures of average earnings.

⁶Wilkin, Gresch, and Glanz, “Growth in Fringe Benefits,” Actuarial Note Number 113, Social Security Administration, Baltimore, MD, June 1982.

Table 16.—Average Percentage Change in Average Real Earnings: Comparison of Total U.S. Economy to OASDI Covered Economy by Alternative
[In Percent]

Period	Average Real Earnings for U.S. Economy (1)	Total Linkages (2) ¹	Ratio of Employed Labor Force to Covered Workers (3)	Ratio of Covered Earnings to U.S. Earnings (4)	OASDI Covered Average Real Earnings (5) ²
Past Experience:					
1955-1965.....	2.28	-.17	-.89	.73	2.11
1965-1975.....	.74	-.19	-.41	.21	.55
1975-1985.....	-.39	.43	.22	.21	.04
1955-1985.....	.87	.02	-.36	.38	.90
Assumed for 1985-1996:					
Alternative I.....	1.80	.39	.05	.34	2.20
Alternative II-A.....	1.38	.40	.06	.34	1.78
Alternative II-B.....	.88	.41	.07	.33	1.29
Alternative III.....	.12	.40	.10	.30	.52
Ultimate:					
Alternative I.....	2.46	.00	.00	.00	2.45
Alternative II-A.....	1.96	.00	.00	.00	1.95
Alternative II-B.....	1.47	.00	.00	.00	1.46
Alternative III.....	.99	.00	.00	.00	.97

¹ (2) = $((1+(3)/100.) \times (1+(4)/100.) - 1) \times 100$.

² (5) = $((1+(2)/100.) \times (1+(1)/100.) - 1) \times 100$.

Over the past 30 years, average real covered earnings have increased at an average annual rate of 0.90 percent (Table 5) compared with an average increase of 0.87 percent for U.S. earnings (Table 9). Increases for these two measures of average earnings over shorter periods are generally not this close because there is less time for differences to tend to offset each other.

Because we have not as yet successfully quantified the four factors mentioned above, we present Table 16, which compares changes in average earnings in the U.S. with changes in average covered earnings through two descriptive, although not necessarily explanatory, linkages. The first, the ratio of average weekly U.S. employed labor force to annual covered employment, has declined by 0.36 percent per year from 1955 to 1985 as Social Security coverage has been increased. The second, the ratio of total covered earnings to total U.S. earnings has increased at the rate of 0.38 percent per year over the same period, for largely the same reason. Over the next 30 years, both of these trends are expected to continue for the OASDI program as the group of Federal Civilian employees hired after 1983, which is included in the OASDI covered economy, expands to its mature size. By the year 2015, such changes in coverage are expected to be essentially complete, and thereafter the relative distribution of types of workers in the U.S. and the OASDI covered economies are assumed to stabilize. Average weeks worked per year is assumed to be stable after 1985. As a result, ultimate increases in average earnings are assumed to occur at essentially⁷ the same rate in both the U.S. and OASDI covered economies. Because all federal civilian employees are included in the HI covered economy starting 1983, average HI covered earnings are expected to rise at essentially the same rate as for the U.S. economy throughout the projection period.

3. Summary

Based on the direct analysis of expected future increases in average real covered earnings and the parallel

⁷Ultimately average self-employment income (SEI) is assumed to rise slightly faster than average wage and salary earnings in the U.S. economy. The assumed ultimate percentage of U.S. earnings that is covered is lower for SEI than for wages and salaries. The lower assumed rate of coverage for the self-employed who have a higher assumed rate of earnings increase depresses very slightly the assumed overall rate of earnings increase for all covered workers relative to the assumed rate of increase for all total U.S. workers.

analysis in relation to productivity, ultimate average annual real wage “differentials” of 2.5 percent, 2.0 percent, 1.5 percent, and 1.0 percent were adopted for the 1987 Trustees Report assumptions, alternatives I, II-A, II-B, and III, respectively. Translated into compound annual real rates of growth, ultimate increases in average real covered wages were assumed to be 2.45 percent, 1.94 percent, 1.44 percent, and 0.95 percent, respectively. The corresponding ultimate compound real rates of growth in average covered earnings are 2.45 percent, 1.95 percent, 1.46 percent, and 0.97 percent, respectively. (Table 16) All of these ultimate rates apply to both OASDI (after 2015) and HI covered earnings (after 1995).

C. Price Indexes

Two price indexes play roles in our economic projections. These are the Consumer Price Index (CPI) and the GNP price deflator. Although these indexes measure price changes for different items, their growth rates over an extended period tend to be similar. The difference in the average annual increase in these indexes from 1955 to 1985 was only 0.11 percent (see “price adjustment” in Table 14). For this reason, and because the CPI plays a more directly important role in the financial status of the OASDI program, we focus our analysis primarily on the CPI. Ultimate rates of increase for the GNP price deflator are assumed to be the same as those assumed for the CPI.

The CPI is a measure of the average change in prices over time in a fixed market basket of goods and services that people buy for day-to-day living. It has been published monthly since 1913 by the Bureau of Labor Statistics (BLS). In 1978, the BLS began publishing CPI's for two population groups: (1) a new CPI for all Urban Consumers (CPI-U), which covers approximately 80 percent of the total noninstitutionalized civilian population; and (2) a revised CPI for Urban Wage Earners and Clerical Workers (CPI-W), which represents about half the population covered by the CPI-U. Although the CPI-U is the index most often quoted by the BLS, the CPI-W is consistent with the CPI as it existed in 1972 when the Social Security automatic-adjustment provisions were enacted, and it is the index currently used to adjust Social Security benefits.⁸

⁸Refer to Title 20, part 404.272 of the Code of Federal Regulations.

Therefore, the CPI-W is the index projected in this study.

Beginning with January 1985, the BLS changed the way that homeowner costs are measured in the CPI-W to rental equivalence. This change was already made for the CPI-U as of January 1983. The rental-equivalence approach calculates homeowner costs on the basis of the estimated rent that owners would have to pay to rent the homes they own. The old method calculated homeowner costs on the basis of newly purchased homes and included the prices of homes, mortgage interest costs and property taxes, insurance, and maintenance and repair. The weights for home purchase and mortgage interest represented only persons who purchased homes in the base period. Although from the

late 1960's through 1981, the rental-equivalence index generally rose more slowly than the old homeowner cost index, the opposite has been true more recently. We believe that the impact of this change on the CPI-W will be small enough so that analysis of past experience in the CPI-W will continue to be a valid basis for projecting future long-range trends.

In the period from 1913 to 1986, the CPI has increased at an average annual rate of 3.3 percent. The annual increases have fluctuated widely between +17.4 percent in 1918 and -10.7 percent in 1921, making the detection and projection of trends difficult. In order to obtain a smoother time series, average annual increases over selected intervals have been calculated. These increases in the CPI are shown in Table 17.

Table 17.—CPI-W and the Average Annual Percentage Change Over Selected Intervals
[In percent]

Year	CPI-W	Average Annual Percentage Change Over the Following Number of Years								
		1	5	10	15	20	25	30	50	
1951.....	77.8	7.91	5.87	5.84	4.28	2.71	1.55	1.25	-	
1952.....	79.6	2.28	3.53	5.01	4.19	3.38	1.72	1.55	-	
1953.....	80.2	.78	2.15	4.47	4.37	3.70	1.80	1.51	-	
1954.....	80.5	.35	2.42	4.32	4.50	3.54	1.82	1.52	-	
1955.....	80.3	-.25	2.17	4.06	4.41	3.40	1.91	1.43	-	
1956.....	81.4	1.47	.92	3.37	4.17	3.43	2.35	1.44	-	
1957.....	84.2	3.40	1.14	2.33	3.70	3.42	2.93	1.62	-	
1958.....	86.5	2.73	1.53	1.84	3.48	3.65	3.26	1.76	-	
1959.....	87.3	.92	1.65	2.03	3.42	3.78	3.16	1.79	-	
1960.....	88.6	1.50	2.00	2.09	3.37	3.80	3.12	1.93	-	
1961.....	89.6	1.07	1.92	1.42	2.88	3.61	3.13	2.28	-	
1962.....	90.6	1.17	1.48	1.31	2.04	3.14	3.03	2.69	-	
1963.....	91.8	1.26	1.19	1.36	1.62	2.90	3.16	2.91	2.28	
1964.....	93.0	1.31	1.26	1.45	1.78	2.88	3.27	2.84	2.28	
1965.....	94.4	1.59	1.28	1.64	1.82	2.84	3.29	2.81	2.29	
1966.....	97.3	2.99	1.66	1.79	1.50	2.57	3.21	2.88	2.20	
1967.....	100.0	2.78	1.98	1.73	1.53	2.03	2.91	2.85	1.93	
1968.....	104.2	4.21	2.57	1.87	1.76	1.86	2.83	3.06	1.69	
1969.....	109.8	5.42	3.39	2.32	2.10	2.18	2.98	3.29	1.51	
1970.....	116.3	5.90	4.25	2.76	2.50	2.42	3.12	3.45	1.33	
1971.....	121.3	4.26	4.51	3.07	2.69	2.24	2.96	3.43	1.65	
1972.....	125.3	3.31	4.62	3.29	2.68	2.30	2.54	3.19	1.85	
1973.....	133.1	6.22	5.02	3.79	2.91	2.56	2.48	3.19	1.93	
1974.....	147.7	11.03	6.11	4.74	3.57	3.08	2.95	3.50	2.14	
1975.....	161.2	9.13	6.75	5.49	4.07	3.55	3.27	3.72	2.27	
1976.....	170.5	5.74	7.05	5.77	4.38	3.76	3.19	3.63	2.36	
1977.....	181.5	6.49	7.70	6.15	4.74	3.91	3.35	3.38	2.53	
1978.....	195.3	7.60	7.98	6.49	5.17	4.16	3.63	3.38	2.71	
1979.....	217.7	11.43	8.06	7.08	5.83	4.67	4.06	3.79	2.93	
1980.....	247.0	13.48	8.90	7.82	6.62	5.26	4.60	4.19	3.25	
1981.....	272.3	10.26	9.82	8.43	7.10	5.72	4.95	4.26	3.64	
1982.....	288.6	5.98	9.72	8.70	7.32	5.96	5.05	4.39	3.99	
1983.....	297.4	3.03	8.77	8.37	7.24	6.05	5.06	4.47	4.16	
1984.....	307.6	3.44	7.16	7.61	7.11	6.17	5.17	4.57	4.16	
1985.....	318.5	3.53	5.21	7.04	6.95	6.27	5.25	4.70	4.18	
1986.....	323.4	1.56	3.50	6.61	6.76	6.19	5.27	4.70	4.19	

Note: The CPI-W for each year is the average of the twelve monthly values of the consumer price index for urban wage earners and clerical workers in the United States.

The 10-year moving average does a good job of smoothing out the fluctuations of the annual increases in the CPI. The 10-year average ending in 1986 of 6.61 percent is substantially below the recent peak of 8.70 percent for the period ending 1982. However, this averaging also reveals that there has been a cyclical pattern of about 30 years duration. Thus, the 30-year moving average is a good choice in trying to discern whether or not there has been a long-range underlying trend in the CPI. This average shows a steady upward trend from 1.25 percent for the 30 years ending in 1951 to 4.70 percent for the 30 years ending in 1986. The decreases in the 10-year average experienced since 1982 may foretell a slowing and eventually a leveling off of the upward trend in the 30-year average. Incomplete figures for 1987 indicate that this may indeed be the case.

Of course, a numerical review of historical figures is only the first step in making projections for the future. Although the 30-year average increase in CPI has been steadily increasing since the end of World War II, we must look behind these trends and try to determine the underlying factors that have caused them. This is particularly the case when the factors that had a controlling effect in the past are not expected to do so in the future.

While past experience (as in the 1950's) has shown that restrictive fiscal and monetary policies are effective (although not perfect) tools for fighting inflation, these restrictive policies also result in an increase in unemployment. During "demand-pull" inflation, which occurs when demand exceeds the productive capacity of the economy, and when unemployment is low, restrictive policies can be applied relatively painlessly while

effectively lowering inflation. These policies are less effective and certainly less desirable, however, in the face of "cost-push" inflation (as was experienced during the 1970's), when unemployment may already be high.

Of course, one of the purposes of government spending is to provide the public with needed income, goods, and services that would not otherwise be available. This obligation limits the government's ability to influence aggregate demand in the economy in order to optimize levels of employment and price inflation. The effectiveness of fiscal policy will always be tempered by competing social objectives.

The primary objective of monetary growth is to accommodate real economic growth, at least in the long-run. The experience of the early 1980's has shown us that a tight monetary policy, while very effective at lowering demand and thus lowering inflation, also has a depressing effect on growth in real GNP. On the other hand, continued loose monetary policy results in unsustainable economic growth and inflation.

We see continued limitations on the government's ability to effectively regulate inflation in the future through fiscal and monetary policy. Moreover, problems such as large federal deficits and foreign debts held by U.S. banks will require continued consideration of accommodative monetary policies in the future with the consequent risk of higher inflation.

The effectiveness of the OPEC oil cartel in raising oil prices during the 1970's shows that "cost-push" inflation can be started by events outside of our country, and outside of our control. We should be aware that similar episodes of price hikes by foreign producers of various goods and materials could occur at any time with significant, and somewhat uncontrollable, effects on inflation. However, we do not believe that the impact of such occasional disturbances will be as great in the future, on average, as was the impact of oil prices

during the 1970's. This point is especially well made by the low rate of inflation experienced since 1982, largely because of the decline in oil prices back to levels more consistent with those that prevailed prior to the price hikes of the 1970's.

The demographic shift in covered workers during the 1970's has already begun to turn around (see the preceding section on average earnings). The fiscal and monetary accommodation for the purpose of job creation that was warranted during the 1970's should be lessened in the future, thus reducing inflationary pressure.

In the past, inflation has not been a totally bad phenomenon. Its effects have been helpful to some. For example, prior to indexing of Federal income tax brackets, inflation resulted in continual increases in the average tax rate without any legislation allowing the Congress and the President to occasionally cut marginal tax rates and increase exemptions and still increase overall tax revenues as a percentage of national income. Also homeowners with fixed-rate mortgages saw the size of their monthly payments decline in real terms as inflation compounded. In the future, with indexed tax brackets, and variable-rate mortgages, which now comprise a significant proportion of new mortgages, these reasons for welcoming inflation will diminish greatly.

The future course of inflation is uncertain. Overall, factors which have driven inflation in the past and those we can foresee for the future seem to be balanced and thus suggest that neither extremely high nor extremely low rates of inflation will prevail. For the 1987 Trustees Report, the assumed ultimate rates of increases in CPI-W are 2.0 percent, 3.0 percent, 4.0 percent, and 5.0 percent for alternatives I, II-A, II-B, and III, respectively. The past and projected annual increases in the CPI-W are shown in Table 18.

Table 18.—Annual Percentage Change in CPI-W by Alternative

Year	Annual Percentage Change in CPI-W			
1914.....				1.3
1915.....				1.0
1916.....				7.6
1917.....				17.4
1918.....				17.4
1919.....				14.9
1920.....				15.8
1921.....				-10.7
1922.....				-6.3
1923.....				1.8
1924.....				-.2
1925.....				2.5
1926.....				1.0
1927.....				-1.9
1928.....				-1.3
1929.....				.0
1930.....				-2.5
1931.....				-8.8
1932.....				-10.3
1933.....				-5.1
1934.....				3.4
1935.....				2.5
1936.....				1.0
1937.....				3.6
1938.....				-1.9
1939.....				-1.4
1940.....				1.0
1941.....				5.0
1942.....				10.7
1943.....				6.1
1944.....				1.7
1945.....				2.3
1946.....				8.5
1947.....				14.4
1948.....				7.8
1949.....				-1.0
1950.....				1.0
1951.....				7.9
1952.....				2.3
1953.....				.8
1954.....				-.3
1955.....				-.2
1956.....				1.5
1957.....				3.4
1958.....				2.7
1959.....				.9
1960.....				1.5
1961.....				1.1
1962.....				1.2
1963.....				1.3
1964.....				1.3
1965.....				1.6
1966.....				3.0
1967.....				2.8
1968.....				4.2
1969.....				5.4
1970.....				5.9
1971.....				4.3
1972.....				3.3
1973.....				6.2
1974.....				11.0
1975.....				9.1
1976.....				5.7
1977.....				6.5
1978.....				7.6
1979.....				11.4
1980.....				13.5
1981.....				10.3
1982.....				6.0
1983.....				3.0
1984.....				3.4
1985.....				3.5
	ALT I	ALT II-A	ALT II-B	ALT III
1986.....	2.4	2.9	3.2	4.2
1987.....	2.6	3.0	3.2	3.4
1988.....	3.1	3.6	4.5	5.4
1989.....	3.0	3.6	4.3	6.0
1990.....	2.7	3.2	4.5	5.7
1991.....	2.2	3.0	4.3	5.0
1992.....	2.0	3.0	4.0	5.0
1993.....	2.0	3.0	4.0	5.0
1994.....	2.0	3.0	4.0	5.0
1995.....	2.0	3.0	4.0	5.0
1996+.....	2.0	3.0	4.0	5.0

Note: The CPI-W for each year is the average of the twelve monthly values of the consumer price index for urban wage earners and clerical workers in the United States.

D. Unemployment Rate

Our aggregate projection method requires assumed future rates of unemployment for both the expected actual economy and the expected full-employment economy. The average method requires only projected actual rates.

1. Full-Employment

Full-employment unemployment rates are assumed to be fixed rates for each age-sex group, representing the lowest sustainable rates of unemployment in a normally operating economy without rising rates of inflation in prices. The total full-employment unemployment rate (shown in Table A9) thus changes through time as the age-sex distribution of the labor force changes. From 1951 through 1977, the total full-employment unemployment rate rose from 4.2 percent to 4.8 percent. This rate is projected to decline from a level of 4.5 percent for 1984 to ultimate levels of 4.4 percent, 4.2 percent, 4.2 percent, and 4.0 percent for alternatives I, II-A, II-B, and III, respectively.

The reader may note that the assumed levels of the total full-employment unemployment rates seem to be opposite to the optimistic vs. pessimistic concepts of the alternative sets of assumptions. For example, the ultimate full-employment unemployment rate is highest for alternative I (optimistic). This results from the high assumed birth rates for this alternative and the consequent higher concentration of younger persons in the labor force through the end of the 75-year projection period.

2. Actual

Since 1947, the actual unemployment rate has fluctuated between a low of 2.8 percent in 1953 and a high of 9.5 percent in 1982, as shown in Table 19. Because the unemployment rate fluctuates widely with the business cycle, it is useful to average several years of data together. Table 19 also shows the average unemployment rate over selected intervals. The high rates experienced between 1975 and 1985 have had a strong influence on even the relatively long-range periods. For example, the 15-year moving average, which was quite stable around 4.8 percent from 1961 through 1974, has since risen steadily to its current level of 6.9 percent for the period ending with 1985.

The recent high unemployment rates are the result, in part, of the changing age-sex composition of the labor force, the restructuring of the labor force to take advantage of improvements in technology, the extension of unemployment benefits, and the relatively slow growth of the U.S. economy. A large part of the reason for the relatively slow U.S. economic growth is the deterioration in our competitive position with foreign products resulting from trade barriers, health and safety regulations, and relatively high domestic labor costs.

Table 19.—Total and Age-Sex Adjusted Unemployment Rates over Selected Intervals
[In percent]

Year	Total Rate							Age-Sex Adjusted Rate						
	Annual Average over the Following Number of Years:							Annual Average over the Following Number of Years:						
	1	5	10	15	20	25	30	1	5	10	15	20	25	30
1947	3.8	-	-	-	-	-	-	3.8	-	-	-	-	-	-
1948	3.7	-	-	-	-	-	-	3.7	-	-	-	-	-	-
1949	5.8	-	-	-	-	-	-	5.8	-	-	-	-	-	-
1950	5.5	-	-	-	-	-	-	5.9	-	-	-	-	-	-
1951	3.2	4.4	-	-	-	-	-	3.4	4.5	-	-	-	-	-
1952	2.9	4.2	-	-	-	-	-	3.0	4.4	-	-	-	-	-
1953	2.8	4.0	-	-	-	-	-	2.9	4.2	-	-	-	-	-
1954	5.3	3.9	-	-	-	-	-	5.5	4.1	-	-	-	-	-
1955	4.2	3.6	-	-	-	-	-	4.4	3.9	-	-	-	-	-
1956	4.0	3.8	4.1	-	-	-	-	4.2	4.0	4.3	-	-	-	-
1957	4.1	4.1	4.1	-	-	-	-	4.3	4.3	4.3	-	-	-	-
1958	6.5	4.8	4.4	-	-	-	-	6.8	5.1	4.6	-	-	-	-
1959	5.3	4.8	4.4	-	-	-	-	5.5	5.1	4.6	-	-	-	-
1960	5.3	5.0	4.3	-	-	-	-	5.6	5.3	4.6	-	-	-	-
1961	6.5	5.5	4.7	4.6	-	-	-	6.7	5.8	4.9	4.8	-	-	-
1962	5.3	5.8	4.9	4.7	-	-	-	5.6	6.1	5.2	4.9	-	-	-
1963	5.5	5.6	5.2	4.8	-	-	-	5.8	5.8	5.5	5.0	-	-	-
1964	5.0	5.5	5.2	4.7	-	-	-	5.3	5.8	5.4	5.0	-	-	-
1965	4.4	5.3	5.2	4.7	-	-	-	4.5	5.6	5.4	4.9	-	-	-
1966	3.6	4.8	5.1	4.7	4.6	-	-	3.7	5.0	5.4	4.9	4.8	-	-
1967	3.7	4.4	5.1	4.8	4.6	-	-	3.8	4.6	5.3	5.0	4.8	-	-
1968	3.4	4.0	4.8	4.8	4.6	-	-	3.5	4.2	5.0	5.0	4.8	-	-
1969	3.4	3.7	4.6	4.7	4.5	-	-	3.4	3.8	4.8	4.9	4.7	-	-
1970	4.8	3.8	4.5	4.7	4.4	-	-	4.8	3.8	4.7	4.9	4.6	-	-
1971	5.8	4.2	4.5	4.8	4.6	4.5	-	5.7	4.3	4.6	5.0	4.8	4.7	-
1972	5.5	4.6	4.5	4.9	4.7	4.6	-	5.3	4.6	4.6	5.1	4.9	4.8	-
1973	4.8	4.8	4.4	4.8	4.8	4.6	-	4.6	4.8	4.5	4.9	5.0	4.8	-
1974	5.5	5.2	4.5	4.8	4.8	4.6	-	5.2	5.1	4.5	4.9	5.0	4.8	-
1975	8.3	5.9	4.9	5.0	5.0	4.7	-	8.0	5.8	4.8	5.1	5.1	4.9	-
1976	7.5	6.3	5.2	5.1	5.2	4.9	4.8	7.2	6.1	5.2	5.1	5.3	5.0	4.9
1977	6.9	6.6	5.6	5.2	5.3	5.1	4.9	6.6	6.3	5.4	5.2	5.4	5.2	5.0
1978	5.9	6.8	5.8	5.2	5.3	5.2	5.0	5.6	6.5	5.7	5.2	5.3	5.3	5.1
1979	5.7	6.9	6.1	5.3	5.3	5.2	5.0	5.4	6.6	5.9	5.2	5.3	5.3	5.1
1980	7.0	6.6	6.3	5.4	5.4	5.3	5.1	6.7	6.3	6.0	5.3	5.4	5.4	5.1
1981	7.5	6.6	6.5	5.7	5.5	5.5	5.2	7.2	6.3	6.2	5.5	5.4	5.5	5.2
1982	9.5	7.1	6.9	6.1	5.7	5.7	5.4	9.3	6.9	6.6	5.9	5.6	5.7	5.5
1983	9.4	7.8	7.3	6.5	5.9	5.8	5.6	9.3	7.6	7.1	6.3	5.8	5.8	5.7
1984	7.4	8.2	7.5	6.8	6.0	5.9	5.7	7.3	8.0	7.3	6.6	5.9	5.9	5.7
1985	7.1	8.2	7.4	6.9	6.1	6.0	5.8	7.0	8.0	7.2	6.7	6.0	5.9	5.8

The increase during the 1970's of the proportion of women and youth in the labor force has caused some of the increase in the aggregate unemployment rate because women and youth experience higher levels of unemployment than adult males. While the 15-year average unemployment rate (unadjusted) rose 2.2 percentage points from 4.7 to 6.9 percent in the period 1965 to 1985, the age-sex adjusted 15-year average rate rose only 1.8 percentage points—from 4.9 to 6.7 percent.

Many of the technological advances made over the past decade have resulted in new equipment and methods in the office and in the factory. Office automation and factory robotization have eliminated many clerical and blue-collar jobs, while creating many other jobs that require a higher level of technological training. This has made it necessary for the present labor force to retrain for new careers, leading to higher unemployment rates during the transition. Of course, the permanent loss of certain occupations and the creation of new ones is always a part of our dynamic economy, but the recent losses in such industries as automobiles and steel and gains in such industries as computers and telecommunications have been at historically fast rates due to both advances in technology and the need to modernize in order to meet foreign competition.

For some members of the labor force, the extension of unemployment benefits has served as a disincentive to seeking new employment. As mentioned before, the degree of poor performance of the economy during the 1970's must be viewed as atypical. To a large extent, it

was the result of such factors as the oil and food price shocks, increased regulation, and rapid growth of the labor force. Although the future will not be free of periods of poor economic performance, future experience is expected to be better, on average, than that of the 1970's.

Based on consideration of these factors, average ultimate age-sex adjusted unemployment rates of 5.0, 5.5, 6.0, and 7.0 percent were selected for alternatives I, II-A, II-B, and III, respectively. The age-sex specific rates were determined based on their past relationship with the age-sex adjusted rate. Past and projected unemployment rates by age group and sex are shown in Table A3. The difference between full-employment and actual assumed ultimate aggregate unemployment rates is 0.4 percentage points, 0.9 percentage points, 1.4 percentage points, and 2.2 percentage points for alternatives I, II-A, II-B, and III, respectively, reflecting the different levels of optimism assumed (see Tables A9 and A10).

E. Labor Force Participation Rates

As with unemployment rates, our projection methods require both assumed actual and assumed full-employment rates of labor force participation.

1. Actual

As shown in Table A4, from 1947 to 1985 the age-adjusted female labor-force-participation rate rose from 29.8 percent to 54.5 percent, a relative increase of about 80 percent. Because of this substantial increase, the

overall age-sex-adjusted total labor-force-participation rate (Table 20) rose by 16 percent, relatively, from 56.3 percent to 65.2 percent, during the period 1947-85, even while the age-adjusted labor-force-participation rate of males was dropping from 85.1 percent to 76.9 percent.

The decision to participate in the labor force depends upon many factors, including a person's marital status, the presence of a disabling condition, the state of the economy, the presence of children in the family, and for older workers, the availability and level of retirement benefits. We have compared the trend in the labor-force-participation rate for each age group and sex separately with the trend in each of these factors.

Unaccounted for to a large extent by the factors mentioned in the preceding paragraph, is the long term trend toward increased labor force participation of women. Since 1947, the labor-force participation of women has increased substantially at all ages except for ages 65 and over, with the largest increases being between ages 25 and 50. The increases have coincided with a decrease in the percentage of women who are married and a decrease in the number of children born per woman. Except for alternative III, under which fertility rates are assumed to continue to decrease, both

the percentage of women married and the number of children per woman are projected either to stay at about current levels or to increase. Therefore, these factors are not expected to continue pushing up participation rates for females to higher levels, as they have done in the past. The effect may actually be reversed. However, we believe that these factors account for only part of the recent increases and that such increases reflect fundamental changes in our society, especially with regard to the opportunities, rights, perceived abilities, and responsibilities of women. We expect this underlying trend to continue and have assumed that it will result in the labor-force-participation rates of women under age 55 being roughly 10 percentage points higher, by the year 2005, than they would be if only further changes in fertility and marital status were considered. Because recent increases in the labor-force-participation rates of the relatively young cohorts of women are likely to result in increased participation during the remainder of their working lifetimes, we believe that as these cohorts age, future increases in the labor-force-participation rates of relatively older women will be slightly higher than those of younger women.

Table 20.—Total and Age-Sex Adjusted Labor-Force-Participation Rates over Selected Intervals, 1947-1984
[In percent]

Year	Total Rate						Age-Sex Adjusted Rate							
	Annual Average over the Following Number of Years:						Annual Average over the Following Number of Years:							
	1	5	10	15	20	25	30	1	5	10	15	20	25	30
1947	58.9	-	-	-	-	-	-	56.3	-	-	-	-	-	-
1948	59.4	-	-	-	-	-	-	56.8	-	-	-	-	-	-
1949	59.6	-	-	-	-	-	-	57.1	-	-	-	-	-	-
1950	59.9	-	-	-	-	-	-	57.5	-	-	-	-	-	-
1951	60.4	59.6	-	-	-	-	-	58.1	57.1	-	-	-	-	-
1952	60.4	59.9	-	-	-	-	-	58.2	57.5	-	-	-	-	-
1953	60.2	60.1	-	-	-	-	-	58.1	57.8	-	-	-	-	-
1954	60.0	60.2	-	-	-	-	-	58.0	58.0	-	-	-	-	-
1955	60.4	60.3	-	-	-	-	-	58.5	58.2	-	-	-	-	-
1956	61.0	60.4	60.0	-	-	-	-	59.2	58.4	57.8	-	-	-	-
1957	60.6	60.4	60.2	-	-	-	-	58.8	58.5	58.0	-	-	-	-
1958	60.4	60.5	60.3	-	-	-	-	58.7	58.6	58.2	-	-	-	-
1959	60.2	60.5	60.3	-	-	-	-	58.6	58.8	58.4	-	-	-	-
1960	60.2	60.5	60.4	-	-	-	-	58.8	58.8	58.5	-	-	-	-
1961	60.2	60.3	60.4	60.1	-	-	-	58.8	58.7	58.6	58.1	-	-	-
1962	59.7	60.1	60.3	60.2	-	-	-	58.6	58.7	58.6	58.2	-	-	-
1963	59.6	60.0	60.2	60.2	-	-	-	58.6	58.7	58.7	58.4	-	-	-
1964	59.6	59.9	60.2	60.2	-	-	-	58.7	58.7	58.7	58.5	-	-	-
1965	59.7	59.8	60.1	60.2	-	-	-	59.0	58.8	58.8	58.6	-	-	-
1966	60.1	59.8	60.0	60.2	60.0	-	-	59.5	58.9	58.8	58.7	58.3	-	-
1967	60.6	59.9	60.0	60.2	60.1	-	-	60.0	59.2	58.9	58.8	58.5	-	-
1968	60.7	60.1	60.1	60.2	60.2	-	-	60.2	59.5	59.1	58.9	58.6	-	-
1969	61.1	60.5	60.2	60.3	60.3	-	-	60.6	59.9	59.3	59.1	58.8	-	-
1970	61.3	60.8	60.3	60.3	60.3	-	-	60.9	60.2	59.5	59.3	59.0	-	-
1971	61.0	60.9	60.3	60.3	60.3	60.2	-	60.6	60.5	59.7	59.4	59.1	58.7	-
1972	61.1	61.0	60.5	60.4	60.4	60.3	-	60.9	60.6	59.9	59.5	59.3	58.9	-
1973	61.4	61.2	60.7	60.4	60.4	60.4	-	61.2	60.8	60.2	59.7	59.4	59.1	-
1974	61.8	61.3	60.9	60.5	60.5	60.5	-	61.7	61.1	60.5	59.9	59.6	59.3	-
1975	61.8	61.4	61.1	60.6	60.6	60.5	-	61.7	61.2	60.7	60.1	59.8	59.4	-
1976	62.1	61.6	61.3	60.8	60.7	60.6	60.4	62.1	61.5	61.0	60.3	59.9	59.6	59.2
1977	62.8	62.0	61.5	61.0	60.8	60.7	60.6	62.8	61.9	61.3	60.6	60.1	59.8	59.4
1978	63.6	62.4	61.8	61.2	60.9	60.8	60.7	63.6	62.4	61.6	60.9	60.4	60.0	59.6
1979	64.1	62.9	62.1	61.5	61.1	61.0	60.9	64.2	62.9	62.0	61.3	60.6	60.3	59.9
1980	64.2	63.4	62.4	61.8	61.3	61.2	61.0	64.3	63.4	62.3	61.6	60.9	60.5	60.1
1981	64.3	63.8	62.7	62.1	61.5	61.3	61.1	64.5	63.9	62.7	62.0	61.2	60.7	60.3
1982	64.4	64.1	63.1	62.4	61.8	61.4	61.3	64.6	64.2	63.1	62.3	61.5	60.9	60.5
1983	64.5	64.3	63.4	62.6	62.0	61.6	61.4	64.6	64.4	63.4	62.6	61.8	61.2	60.7
1984	64.8	64.4	63.7	62.9	62.3	61.8	61.6	64.8	64.5	63.7	62.8	62.1	61.4	61.0
1985	65.2	64.7	64.0	63.1	62.5	62.0	61.7	65.3	64.7	64.1	63.1	62.4	61.7	61.2

The labor-force-participation rates of men declined between 1947 and 1986 for every age group 25 and over, with the largest relative decrease occurring at the highest ages. The rates dropped by about 3 percent, relatively, for ages 25 through 54, but by about 42 percent, relatively, for ages 55 and over. The relatively small decreases for the prime working ages may be the result of the increasing competition from females, the ability of married men to be more selective in accepting jobs because of wife working, and increased amounts of time necessary for retraining between jobs. The large decreases at the older ages occurred both because of these factors and because of the general trend toward earlier retirement. This latter trend, which is also displayed in the participation rates of older females, has been facilitated by more prevalent and richer retirement and disability pension plans (including Social Security) and by increased personal savings.

In our projection for the future, we are not assuming any underlying trend in the participation rates of males between ages 25 and 45. For males age 45 and above we are assuming that a continuation of the trend toward earlier retirement along with a continuation in the trend toward longer periods of training between jobs will result in future participation rates that are a few percentage points lower than would be indicated by the other factors considered. Projected rates also reflect an increase in the labor-force participation of workers aged 62 and over beginning in the year 2000, because of the provision in the Social Security Amendments of 1983 that raises the normal retirement age from 65 to 67

during the period 2000 to 2022.

The past and projected labor-force-participation rates by age group, sex, and alternative are shown in Table A4. The total rate for all persons age 16 and over is projected to change from 65.8 percent in 1986 to 62.4 percent, 57.6 percent, 57.3 percent, and 48.9 percent in 2065 for alternatives I, II-A, II-B, and III, respectively. The total rate decreases for each alternative, even though large increases are assumed for most of the age-specific rates for women. This results from the large increase in the portion of the population that is age 65 and over, where the rates are low. On an age-sex-adjusted basis, however, the rates increase significantly for three of the four alternatives: from 65.8 percent in 1986 to 67.1 percent, 66.3 percent, 66.0 percent, and 65.1 percent in 2065 for alternatives I, II-A, II-B, and III, respectively.

2. Full Employment

The relationship between full-employment and actual labor-force-participation rates is analyzed for past years in relation to differences between the full-employment and actual unemployment rates. Based on this relationship and assumed future rates of actual labor-force participation, actual unemployment, and full-employment unemployment, the assumed aggregate rates of full-employment labor-force participation for the year 2065 are 62.4 percent, 57.6 percent, 57.2 percent, and 48.8 percent for alternatives I, II-A, II-B, and III, respectively (see Table A9).

F. Real Interest Rate

The assets held by the OASDI Trust Funds are generally invested in special U.S. government securities. The rate of interest paid on the OASDI Trust Funds' investments play a significant role in the future financial status of the program.

Over the 30-year period 1957 through 1986, the average of the annualized real interest rates for monthly new issues was 1.9 percent. For the purpose of analysis, those years can be split into four fairly distinct periods. For 1957 through 1958, the average real rate was -0.6 percent; for 1959 through 1972, the average real rate was 2.0 percent; for the years 1973 through 1980, the average real rate was -1.4 percent; and for 1981 through 1986 the average real rate was 8.8 percent. We believe that future real interest rates will be somewhat higher, on average, than over the past 30 years, consistent with the assumed higher rate of growth in productivity (which presumes higher capital expenditures) and the likelihood of continued federal borrowing needs.

The ultimate assumed rates of real interest are 3.0 percent, 2.5 percent, 2.0 percent, and 1.5 percent for alternatives I, II-A, II-B, and III, respectively. Past and projected real interest rates are shown in Tables 21 and 22.

Table 21.—Interest Rates for Special Public Debt Obligations Issuable to the OASI and DI Trust Funds
[In percent]

Year	Average Annual Nominal Interest Rate	Annual Percentage Rate	Annual Percentage Change in CPI-W from Year to Year + 1	Real Annual Percentage Rate
Past Experience				
1937	3.0000	3.0225	-1.8605	4.9755
1938	3.0000	3.0225	-1.4218	4.5084
1939	3.0000	3.0225	.9615	2.0413
1940	2.5000	2.5156	5.0000	-2.3661
1941	2.4583	2.4734	10.6576	-7.3959
1942	2.2292	2.2416	6.1475	-3.6797
1943	1.9167	1.9258	1.7375	-.1852
1944	1.8750	1.8838	2.2770	-.3845
1945	1.8750	1.8838	8.5343	-6.1276
1946	1.9271	1.9364	14.3590	-10.8628
1947	2.0313	2.0416	7.7728	-5.3179
1948	2.1250	2.1363	-.9709	3.1376
1949	2.1250	2.1363	.9804	1.1447
1950	2.1250	2.1363	7.9057	-5.3467
1951	2.1875	2.1995	2.2751	-.0739
1952	2.2500	2.2627	.7792	1.4720
1953	2.3542	2.3680	.3492	2.0118
1954	2.3021	2.3153	-.2485	2.5703
1955	2.2917	2.3048	1.4700	.8227
1956	2.4688	2.4840	3.4009	-.8867
1957	2.5000	2.5156	2.7309	-.2096
1958	2.5625	2.5789	.9246	1.6391
1959	2.6250	2.6422	1.5002	1.1251
1960	2.9167	2.9379	1.0719	1.8463
1961	3.8125	3.8488	1.1721	2.6457
1962	3.8542	3.8913	1.2579	2.6007
1963	3.9063	3.9444	1.3076	2.6027
1964	4.1250	4.1675	1.5919	2.5353

Table 21.—Interest Rates for Special Public Debt Obligations Issuable to the OASI and DI Trust Funds —Continued
[In percent]

Year	Average Annual Nominal Interest Rate	Annual Percentage Rate	Annual Percentage Change in CPI-W from Year to Year + 1	Real Annual Percentage Rate
Past Experience (Cont.)				
1965	4.1979	4.2420	2.9857	1.2198
1966	4.9479	5.0091	2.7758	2.1730
1967	4.9583	5.0198	4.2113	-.7759
1968	5.4896	5.5649	5.4233	.1343
1969	6.5938	6.7024	5.9000	.7577
1970	7.2604	7.3922	4.2559	3.0083
1971	5.9792	6.0685	3.3069	2.6732
1972	5.9271	6.0149	6.2186	-.1917
1973	6.6458	6.7562	11.0326	-3.8515
1974	7.4896	7.6298	9.1309	-1.3755
1975	7.3958	7.5326	5.7371	1.6980
1976	7.1458	7.2735	6.4876	.7380
1977	7.0833	7.2088	7.6016	-.3651
1978	8.1979	8.3659	11.4262	-2.7465
1979	9.1146	9.3223	13.4751	-3.6597
1980	11.0000	11.3025	10.2636	.9422
1981	13.3333	13.7778	5.9815	7.3563
1982	12.7613	13.1897	3.0281	9.8629
1983	11.0313	11.3355	3.4402	7.6327
1984	12.3958	12.7800	3.5273	8.9374
1985	10.7813	11.0718	3.1967	7.6312
Alternative I:				
1986	8.0833	8.2466	3.2268	4.8629
1987	7.5313	7.6731	3.2240	4.3102
1988	7.0938	7.2196	2.7980	4.3012
1989	6.8854	7.0039	2.4894	4.4048
1990	6.3125	6.4121	2.1202	4.2028
1991	5.5729	5.6505	2.0013	3.5777
1992	4.9688	5.0305	2.0014	2.9697
1993	4.8333	4.8917	1.9981	2.8369
1994	4.9063	4.9665	2.0018	2.9065
1995	5.0000	5.0625	2.0000	3.0024
1996+	4.9976	5.0600	2.0000	3.0000
Alternative II-A:				
1986	8.1354	8.3009	3.9111	4.2245
1987	7.8333	7.9867	3.7316	4.1021
1988	7.5625	7.7055	3.2971	4.2677
1989	7.3958	7.5325	3.0246	4.3756
1990	6.7708	6.8854	2.9970	3.7753
1991	6.1875	6.2832	3.0028	3.1848
1992	5.7500	5.8327	3.0006	2.7496
1993	5.6250	5.7041	3.0009	2.6245
1994	5.6250	5.7041	2.9986	2.6268
1995	5.6250	5.7041	3.0000	2.6253
1996+	5.4994	5.5750	3.0000	2.5000
Alternative II-B:				
1986	8.1667	8.3334	4.3818	3.7857
1987	8.0313	8.1926	4.3815	3.6510
1988	7.9896	8.1492	4.9377	3.0603
1989	8.2813	8.4527	4.6388	3.6448
1990	8.0521	8.2142	4.1051	3.9471
1991	7.6354	7.7811	4.0019	3.6339
1992	7.0104	7.1333	4.0006	3.0122
1993	6.6146	6.7240	4.0003	2.6189
1994	6.4271	6.5304	3.9984	2.4346
1995	6.1979	6.2939	4.0000	2.2057
1996+	5.9903	6.0800	4.0000	2.0000
Alternative III:				
1986	8.2188	8.3877	5.7923	2.4533
1987	8.5521	8.7349	5.1276	3.4314
1988	8.8125	9.0066	5.2704	3.5492
1989	8.9271	9.1263	5.7299	3.2124
1990	8.6354	8.8218	4.7498	3.8873
1991	8.2292	8.3985	4.9714	3.2648
1992	7.8542	8.0084	4.9994	2.8657
1993	7.4063	7.5434	4.9997	2.4226
1994	7.0938	7.2196	5.0006	2.1133
1995	6.7708	6.8854	5.0000	1.7956
1996+	6.4703	6.5750	5.0000	1.5000

Note: Interest on special public debt obligations is compounded semiannually.

Table 22.—Real Interest Rates (base 1967) and the Compound Average Annual Real Yield Over Selected Intervals

Year	Index	Average Annual Percentage Change over the Following Number of Years:						
		1	5	10	15	20	25	30
1951.....	88.5	-5.35	-3.58	-3.55	-	-	-	-
1952.....	88.4	-.07	-1.35	-2.82	-1.81	-	-	-
1953.....	89.7	1.47	.02	-2.31	-2.03	-	-	-
1954.....	91.5	2.01	-.20	-2.13	-2.19	-	-	-
1955.....	93.9	2.57	.08	-1.85	-2.15	-	-	-
1956.....	94.7	.82	1.36	-1.14	-1.94	-	-	-
1957.....	93.8	-.89	1.19	-.09	-1.50	-1.07	-	-
1958.....	93.6	-.21	.85	.44	-1.27	-1.32	-	-
1959.....	95.2	1.64	.78	.29	-1.17	-1.45	-	-
1960.....	96.2	1.13	.49	.29	-1.07	-1.50	-	-
1961.....	98.0	1.85	.70	1.03	-.53	-1.29	-	-
1962.....	100.6	2.65	1.40	1.30	.41	-.78	-.58	-
1963.....	103.2	2.60	1.97	1.41	.95	-.47	-.67	-
1964.....	105.9	2.60	2.16	1.47	.91	-.35	-.74	-
1965.....	108.6	2.54	2.45	1.47	1.00	-.20	-.72	-
1966.....	109.9	1.22	2.32	1.51	1.46	.17	-.58	-
1967.....	112.3	2.17	2.22	1.81	1.61	.86	-.19	-.12
1968.....	113.2	.78	1.86	1.91	1.56	1.17	-.01	-.25
1969.....	113.3	.13	1.36	1.76	1.43	1.02	-.01	-.39
1970.....	114.2	.76	1.01	1.73	1.31	1.00	.04	-.44
1971.....	117.6	3.01	1.36	1.84	1.46	1.43	.41	-.26
1972.....	120.8	2.67	1.46	1.84	1.70	1.57	.98	.09
1973.....	120.5	-.19	1.27	1.56	1.70	1.49	1.19	.20
1974.....	115.9	-3.85	.45	.91	1.32	1.19	.91	.07
1975.....	114.3	-1.38	.02	.51	1.15	.99	.81	.03
1976.....	116.2	1.70	-.24	-.56	1.14	1.03	1.10	.30
1977.....	117.1	.74	-.62	-.42	1.02	1.11	1.13	.71
1978.....	116.7	-.37	-.65	.30	.82	1.11	1.06	.88
1979.....	113.5	-2.75	-.42	.01	.46	.88	.86	.69
1980.....	109.3	-3.66	-.89	-.44	.04	.64	.61	.52
1981.....	110.3	.94	-1.04	-.64	.03	.59	.61	.74
1982.....	118.5	7.36	.23	-.19	.36	.82	.94	.98
1983.....	130.2	9.86	2.21	.77	.94	1.17	1.33	1.25
1984.....	140.1	7.63	4.30	1.91	1.42	1.41	1.56	1.43
1985.....	152.6	8.94	6.90	2.93	1.95	1.72	1.86	1.63
1986.....	166.9	9.36	8.63	3.68	2.36	2.11	2.15	1.91

Note: The index for each year is the accumulated value in that year of an investment made in the prior year in the amount of the prior year's index, with interest paid at the average rate for special public debt obligations issuable to the OASI and DI Trust Funds during the prior year.

V. METHODS

Two separate tracks of development are utilized in order to interrelate all the various economic parameters necessary to make projections of the financial status of the OASDI (and the HI) program. These tracks, the aggregate method and the average method, were outlined and discussed in general terms in Section III.

The primary advantage of the aggregate method is that the development of actual GNP82 from the relatively smoothly growing potential GNP82 permits careful analysis of historical and possible future economic cycles. For more distant future periods when actual GNP82 is assumed to grow in tandem with potential GNP82, consideration of cycles is unnecessary, and the average method becomes a more efficient means to the ultimate projection of effective taxable payroll.

Historically, the aggregate method has been the dominant approach for projecting economic parameters for the first 10 projection years. The aggregate method facilitates continuation of the current economic cycle and the transition toward a stable rate of economic growth the development of economic cycle and transition toward a stable rate of growth is conveniently measured by the ratio of the actual GNP82 to potential GNP82. Continuation of economic projections for later years (when steady, average growth rates are assumed with no attempt to model business cycles) has historically been made with an emphasis on the average method. The relationship between actual and potential GNP is projected to stabilize by, or soon after, the tenth projection year, and thus be of less significance for subsequent projections.

In the final analysis, neither track of development should be seen as fundamental, because for all projection years, the impact of each assumption is considered in the context of both methods, and the assumption or the method is adjusted when unreasonable or inconsistent projections result from either method. In this way, the two tracks of development become valuable checks on the accuracy and reasonableness of the overall results of our economic projections. We believe, however, that the aggregate method is more useful in preparing short-run projections, while the average method yields better dividends in the preparation of long-run projections.

The descriptions that follow in this section show how values for the derived economic parameters in both the aggregate and average methods are developed, based on the assumptions for more basic parameters, which have been described in Section IV.

A. Employment

The basic employment parameters that are utilized in our projections are the labor force and the employed labor force for the total U.S. economy and the covered workers, i.e., workers with some OASDI (or HI) taxable earnings at any time during the year, for the OASDI (or HI) covered economy. Labor force and employed labor force, on the other hand, reflect actual average weekly numbers for each year (see Section II.B.2.). This distinction is important when comparing numbers of covered workers to the employed labor force, as shown for the historical period in Table 16.

1. Labor Force and Employed Labor Force

The average (weekly) numbers of persons in the labor force (including the military both at home and abroad) for both full-employment and actual conditions are determined by multiplying the age-sex-specific labor-force-participation rates (Section IV.E.) by the corresponding numbers of persons in the U.S. noninstitutionalized population (Table A2). Past and projected labor force by age-group, sex, and alternative is shown in Table A5.

The average employed labor force for a year is computed for both full-employment and actual conditions by multiplying the total (average weekly) labor force by the complement of the total (average weekly) unemployment rate. Projections of total employed labor force are shown for full-employment and actual conditions in Tables A9 and A10, respectively.

2. Covered-Worker Rates

The projected covered worker rates for each year are calculated by age and sex with regression equations on the actual labor-force-participation rates and the age-sex-adjusted actual unemployment rate. The regression analyses are based on data for years 1964 through 1984, the last year for which complete data on covered workers were available. In the regression analyses, more weight is given to the more recent years so as to more accurately reflect the effect of several minor changes in coverage that have occurred since 1965 and to provide for a smoother junction between historical rates and projected rates. For example, the data for the starting year are given one-half of the weight given to data for the final year of 1984.

Covered worker rates for future years were derived by applying regression equations to projected labor-force participation and unemployment rates. The results were adjusted to reflect coverage of federal civilian employees and employees of nonprofit organizations which were not included in historical data. Table A6 shows the past and projected OASDI covered-worker rates by age, sex, and alternative. HI covered worker rates are the same as for the OASDI program before 1983. After 1983, HI covered worker rates (not shown in this study) are higher because all civilian federal employees are covered by the HI program beginning 1983, while this change in coverage occurs only gradually under the OASDI program, beginning in 1984 and reaching substantial completion by 2015, and, in addition, all State and local employees hired after March, 1986 will be HI covered while about 30 percent of all State and local employees are projected to continue not being covered by OASDI.

3. Covered Workers

The average (annual) numbers of OASDI (and HI) covered workers for each year are determined by multiplying the age-sex-specific covered-worker rates (Table A6) by the corresponding numbers of persons in the Social Security area population (Table A1).

Past and projected numbers of OASDI covered workers by age group, sex, and alternative are shown in Table A7.

B. Average Real Earnings and Average Real Covered Earnings

Although average real earnings and average real covered earnings are shown as derived parameters in

the outline of the average method (Section III.) projected values were selected based on both direct analysis of the historical series and development of the more basic parameters. A discussion of this method has been presented in Section IV.B.

C. Potential GNP82

When analyzing and projecting aggregate economic experience, we have found the basic concept of potential GNP82 to be a very useful tool. This concept has the important characteristic of providing a smooth baseline series, which can be projected more easily than a series that fluctuates with economic cycles. Of course, the usefulness of potential GNP82 goes beyond mere smoothness and ease of projection. Once the potential GNP82 series is developed, the ratio of actual GNP82 to potential GNP82 is a readily understood measure, which reflects the position of the economy within the business cycle.

Table A9 shows estimated historical potential GNP82. Estimates for years 1951 through 1980 have been estimated in basis of the ratio of actual to potential GNP prior to the rebenchmarking to 1982\$ in 1986. This ratio of actual to potential GNP (1972\$) was based on the potential GNP estimates produced through 1980 by the Council of Economic Advisors. For years after 1980, estimates have been based on the relationships inherent in the earlier CEA estimates. Potential GNP is presented as the product of four factors. The first factor is the average full-employment employed labor force during the year, which is labeled "Employment" in the table. The second factor is the average level of real output per hour paid (or productivity) during the year for the full-employment employed labor force. The third factor is the average number of hours paid per worker per week, as measured by the BLS for the total private nonfarm sector of the economy. The fourth factor is the 52 weeks in a year (see Section II.B.2.). For the historical data, the productivity factor was calculated as the residual. As such, this factor represents the average full-employment productivity for the entire U.S. economy, in contrast with the figures for the actual productivity shown in Table 1.

For the purpose of projecting potential GNP82, the assumed values for the four factors described above (see section IV. Assumptions) are combined. In order to make a meaningful projection of potential GNP82 for the years between 1984 (the last historical, estimated year) and 2015 (the beginning of the ultimate period during which the ultimate productivity assumption is assumed to prevail) a Cobb-Douglas production function is utilized. In this function labor productivity is subdivided into the components of capital stock, energy, and research and development stock. Future values for these factors are selected to reflect recent past experience and are assumed to trend so that convergence to the ultimate productivity increase assumption is achieved by 2015.

Projections of potential GNP82 by the aggregate method are summarized in Table A9.

D. Actual GNP82

For the first few years of the projection, percentage rates of change in actual GNP82 are postulated by calendar quarter for each alternative, taking into ac-

count the current status of the economy within the business cycle and the plausible change in this status which is consistent with the outlook for that alternative. For 1987, the resulting ratios of actual GNP82 to potential GNP82 ranged from 95.7 percent for alternative I to 92.2 percent for alternative III. Since 1950, this ratio has fluctuated between 103.1 percent (in 1951) and 90.5 percent (in 1982), averaging about 98 percent. When the economy is operating at its deemed full-employment level, the actual-to-potential ratio is by definition 100 percent. Regression analysis of age-sex-specific unemployment rates on the actual-to-potential ratio shows that ratios of 99.1 percent, 98.2 percent, 97.3 percent, and 95.4 percent correspond to the ultimate age-sex-adjusted unemployment rates of 5.0 percent, 5.5 percent, 6.0 percent, and 7.0 percent assumed for alternatives I, II-A, II-B, and III, respectively. After extending the current economic cycle through about 1988, actual GNP82 is assumed to grow at an annual rate of 4.0 percent, 3.6 percent, and 3.0 percent for alternatives I, II-A, and II-B respectively, until the ratio of actual to potential GNP82 reaches its ultimate level during 1991 or 1992. For alternative III, a second economic cycle is modeled through first quarter of 1992, after which a steady growth rate of 2.2 percent is assumed for actual GNP82 until the ultimate ratio of actual to potential GNP82 is achieved for the third quarter of 1996. Once the ultimate value for this ratio is obtained, actual GNP82 is assumed to increase at the same rate as potential GNP82.

For each alternative, projected actual nominal GNP is obtained by multiplying the actual GNP82 by the projected GNP implicit price deflator. The deflator is assumed to increase at the same rate as the CPI after the first few years of the projection period.

Table A10 shows the employment, productivity, and hours per week that correspond with the actual GNP82. The actual employment for projection years prior to reaching ultimate values is obtained by first deriving the actual unemployment rates from the ratio of actual to potential GNP82 using an historically-based regression equation. Then actual labor-force-participation rates are projected in relation to full-employment participation rates, based on the relationship between projected actual and potential GNP82, again using historically-based regression equations. Finally, the actual participation rates and unemployment rates are applied to the non-institutionalized U.S. population to determine the projected actual level of employment. Average hours paid per week are projected as described on Section IV.B.2. and are assumed to be the same as for full-employment conditions. Average weeks per year are assumed constant at 52 (see Section II.B.2.). Productivity rates shown in these tables are calculated as the residual and thus show some year-by-year variation although, over the ultimate period 2015 through 2065, the average rate of increase is, of course, consistent with the assumed values discussed on Section IV.A. The residually-determined values for actual productivity for historical years do not exactly match those computed based on BLS data for the total economy, because of the simplified representation of changes in hours worked adopted for these tables.

We have separated GNP into components attributable to the work of wage and salary workers and to the work of proprietors and partners. These separate values are shown in Table A11. Separate components of GNP are necessary for separate historical analysis of productivity for the wage and salary workers and for the self-employed workers, as discussed in Section IV.A.

E. Effective Taxable Payroll

Effective taxable payroll reflects covered earnings of wage and salary workers and self-employed workers, plus deemed military service wage credits for both the OASDI and HI programs. For HI effective taxable payroll only, taxable earnings of railroad workers are also included. Railroad earnings are reflected in OASDI program financial estimates through the net railroad transfer which is included as a separate component of the total estimated income for the program.

Deemed military wage credits for 1984 and later are between \$3 billion and \$4 billion. These projected values were estimated by assuming a small increase in the number of the uniformed military services through 1996 with no increases thereafter. (See table A16; however, historical values are not shown.) For 1983, the deemed military wage credit value was \$61 billion; this larger value is not a regular accrued value, but reflects the accruals of many prior years for which reimbursements to the OASDI program were not made because the wage credits were not reflected in taxable payroll. These deemed military service wage credits are added to the projections of effective taxable payroll based on covered earnings, which are described in the balance of this section. Projected values for deemed military wage credits and railroad effective taxable payroll are shown in Table A16. Historical and projected values for effective taxable payroll are shown in Table A13 for the OASDI program and in Table A15 for the HI program. It should be noted that figures shown for HI effective taxable payroll through the year 2011 represent official estimates used for the HI Trustees Report. Because explicit values for HI effective taxable payroll were not used for years after 2011, the values shown in Table A15 are presented for illustrative purposes only.

1. Aggregate Method

Projection of effective taxable payroll under the aggregate method is accomplished by analyzing several linkages between GNP and effective taxable payroll. These include the ratios of compensation to GNP, earnings to compensation, OASDI covered earnings to earnings, and OASDI taxable earnings to covered earnings. Historical and projected values for these ratios of linkages are shown in Table A12, for the OASDI program, and in Table A14 for the HI program. These linkages are the analogs to the linkages between productivity and average covered earnings analyzed for the average method.

a. Wage and Salary Workers

In the analysis of the effective taxable wages it is useful to start with total employee compensation—that is, the employees' share of the total value of production in the United States. The ratio of employee compensation to GNP rose from 55 percent in 1951 to 58 percent in 1961, and to 60.7 percent in 1970. Since 1969, this ratio has generally remained between 59 and 61 percent.

Much of the past growth in this ratio appears to be the result of a shift in the percentage of GNP attributable to wage and salary workers (as opposed to that portion of GNP attributable to self-employed workers) from 84 percent of GNP in 1951 to 93 percent of GNP in 1984. For this reason, and because we assume that the percent of GNP that is attributable to wage and salary workers will stabilize in the future, we do not anticipate any long-range trend away from the current ratio of employee compensation to total GNP. Therefore, we are projecting this ratio to remain essentially between 59 and 60 percent during the long-range projection period for all four alternatives.

Because, in general, only the wage portion of employee compensation is subject to immediate taxation, it is useful to analyze the ratio of wages to compensation. This ratio has declined fairly steadily over the last 30 years at an average annual rate of 0.4 percent. This means that other forms of compensation, generally referred to as fringe benefits, have been growing faster than wages. Of course, for our purposes the term 'fringe benefits' refers only to that portion of total compensation not subject to Social Security taxes, such as employer contributions for group insurance and pension plans. Cash items, such as vacation pay, which are treated as a continuation of wages and are taxed, are not included in fringe benefits. The average annual rates of change in this ratio were analyzed in the real-earnings section (IV.B.2.). The ultimate rate of decline in the ratio of wages to employee compensation is assumed to be 0.0 percent, 0.1 percent, 0.2 percent, and 0.3 percent for alternatives I, II-A, II-B, and III, respectively.

Not all wages in the U.S. economy are paid for employment that is covered by the OASDI (OSHI) program, and vice versa. Therefore, it is necessary to analyze the ratio of covered wages to total wages. (Table A12) This ratio is highly dependent upon the types of employment that the law specifies as being covered. This ratio rose from 77.3 percent in 1951 to 86.5 percent in 1959, as a result of the expanded coverage provided by several laws enacted during the 1950's. The most significant new groups were farm and domestic workers and the armed forces. Coverage was also expanded several times during the 1960's and 1970's, although to much smaller segments of the labor force, so that the ratio of OASDI covered wages to total wages increased to 87.7 percent in 1970 and to 90.5 percent in 1985. These increases occurred even while some State and local governments dropped their coverage under Social Security. The ratio of HI covered wages to total wages rose to 94 percent in 1983, in which year all federal civilian employees became covered under the HI program.

Future increases in the ratio of OASDI covered wages to total wages can be expected as a result of the enactment of the Social Security Amendments of 1983. This law makes coverage of all newly hired civilian Federal employees mandatory after 1983. It also prohibits State and local governments from withdrawing their coverage in the future. Subsequent legislation provided for HI coverage for all State and local government employees hired after March, 1986. On the basis of these provisions, OASDI and HI covered wages are projected to increase to about 94 and 98 percent,

respectively, of total wages after the turn of the century for all four alternatives.

Covered wages above the contribution and benefit base (earnings base) are not taxed (except for the employer tax on excess multiple-employer wages). Therefore, it is necessary to analyze the ratio of taxable wages to covered wages. In the distant past, when there were only infrequent *ah hoc* increases in the earnings base, this ratio tended to drift downward as the average wages increased and then to spike up in the year of an earnings-base increase. Since the earnings base has been indexed to increase automatically with average U.S. wages, this ratio has become more stable. The automatic-adjustment provision of present law should keep this ratio fairly stable in the future. Therefore, the ratio of taxable wages to covered wages is assumed to remain between 91 and 92 percent in the future for all four alternatives.

Taxable wages consist of all wages subject to FICA tax. In general, employers and employees are each taxed on these wages. However, there are two major exceptions. Only the employee tax is applied to tips representing remuneration above the Federal minimum-wage level and only the employer tax is applied to "multiple-employer excess wages." Multiple-employer excess wages occur when an employee receives wages from more than one employer during a calendar year and the combined wages exceed the maximum taxable earnings base. During the year, each employer will remit taxes for both himself and the employee up to the maximum taxable amount, independently of any wages paid to the employee by another employer. After the end of the year, the employee can file to receive a refund on any employee taxes withheld from pay and remitted for him that are in excess of the total taxes payable for a single job at maximum taxable earnings, while the employers receive no such refund.

Taxable wages on which the employee tax is applied are referred to as employee taxable wages. These include all declared tips and exclude multiple-employer excess wages. Taxable wages on which the employer tax is applied are referred to as employer taxable wages. These include multiple-employer excess wages and exclude tips representing remuneration above the minimum wage level (but include implied tips, to the extent necessary, so that the sum of tips and wages are at least equal to the minimum hourly wage). The ratios of employee taxable wages to taxable wages and employer taxable wages to taxable wages are both just under 1.0. The employer wages are higher than the employee taxable wages because the total amount of employer "excess wages" at the current earnings base is larger than the total amount of tips in excess of the Federal minimum wage. Effective taxable wages are the average of the employee taxable wages and the employer taxable wages.

b. Self-Employed Workers

When projecting the relationship between GNP and effective taxable self-employment income, essentially the same method is used as is used for wages. For the self-employed, compensation is defined as self-employment income for the U.S. economy (referred to as 'net proprietors income' in the National Income and Product Accounts developed by BEA of the Department of

Commerce). The ratio of self-employment income to total GNP has declined from 13 percent in 1951 to 6.4 percent in 1985, (Table A12) while the proportion of total GNP that is attributable to the self-employed dropped from 16 percent to 9 percent. (Calculated from Table A17.)

Much of the drop in the ratio of self-employment income to total GNP has been in net farm income, which was 5 percent of GNP in 1951 but less than 1 percent in 1985. Obviously, there is not much more room for farm income to decrease relative to GNP. Meanwhile, nonfarm net proprietors income dropped from 8 percent of GNP in 1951 to 6 percent in 1985. A large portion of this drop is probably the result of the increased incorporation of partnerships, especially in the legal and medical professions. Each of these factors has led to the reduction of both self-employment income and GNP attributable to the self-employed.

Another factor in the decline in the ratio of self-employment income to total GNP is the decline in self-employment income as a percentage of that portion of the GNP attributable to the self-employed; from over 84 percent in 1951 to 68 percent in 1985. (Table A17) Incorporation of many established businesses and the increase in the number of newly self-employed workers resulting from layoffs and plant closings over the past 15 years have driven this decline. We do not believe that these factors will continue at the same pace in the future.

The ratio of self-employment income to total GNP is projected to continue to decrease by a small amount for 10 more years and then to stabilize at about 5.3 to 5.9 percent for all four alternatives. (Table A12) Similarly, the ratio of self-employment GNP to total GNP is projected to decline slightly to an ultimate level of 8.2 to 9.0 percent. The ratio of self-employment income to that portion of the GNP attributed to the self-employed is projected to turn around, ultimately reaching levels of about 65 percent for all four alternatives. (Table A17)

Much self-employment income for the U.S. economy is not covered. For example, if a worker's self-employment income is less than \$400 in a calendar year, then none of this income is covered. The ratio of covered self-employment income to total U.S. self-employment income has increased in the past as more types of self-employment income have become covered. This ratio is likely to decrease slightly for a while, however, because farm income, which is covered less than nonfarm income, is likely to become a larger share of total self-employment income. The coverage ratio for self-employment income may seem lower than expected, based on the coverage provisions of the Social Security law. This results largely from discrepancies between how farm income is determined for the national income accounts and how it is determined for Social Security. This ratio is projected to drop from around 50 percent in 1985 to ultimate values reached in 1996 ranging from 51.6 percent for alternative I to 53.0 percent for alternative III.

Just as with wages, covered self-employment income above the earnings base is not taxable. The ratio of taxable self-employment income to covered self-employment income has fluctuated in the past in a pattern similar to that of the ratio of taxable wages to

covered wages. In years when the earnings base remained the same, the ratio has fallen. The taxable to covered ratio for self-employment income is lower than the corresponding ratio for wages, reflecting the higher average earnings of the self-employed. The ratio of taxable to covered self-employment income has tended to rise gradually even in years when the earnings base has increased automatically, reflecting the slower rate of increase in average self-employment income than in average wages. We are projecting this trend to continue through 1997, resulting in the ratio of taxable to covered self-employment income rising from 80 percent in 1985 to values ranging from 85 percent for alternative I to 82 percent for alternative III. After 1997, assumed faster growth rates in average self-employment income than in average wages for alternatives II-A, II-B, and III, result in declines in this ratio.

Prior to 1984, it was necessary to multiply taxable self-employment income by the ratio —(tax rate on self-employment income)/(combined employee-employer tax rate)— to obtain effective taxable self-employment income. This adjustment is not needed after 1983, since the tax rate on taxable self-employment income is now equal to the combined employer-employee tax rate for both the OASDI and HI programs. Therefore, taxable self-employment income and effective taxable self-employment income are equivalent after 1983.

c. Summary

As a result of all of these assumptions, the ratio of OASDI (HI) effective taxable payroll to GNP is projected to decrease gradually over the long-range future from 43 (44) percent in 1985 to 44 (46) percent, 41 (43) percent, 38 (40) percent, and 36 (37) percent in 2065, for alternatives I, II-A, II-B, and III respectively. (Differences between OASDI and HI ratios are due to differences in coverage under the two programs. See Section V.A.2).

During the short-range period (1986-96), effective taxable payroll is estimated from GNP by a detailed method involving the interrelationships between the two. The projection of these interrelationships and the calculation of effective taxable payroll are performed under the direction of Mr. Kenneth G. Sander of the Office of Research and Statistics, Social Security Administration. The ratios of effective taxable payroll to GNP in 1986 through 1996, shown in Tables A12 and A14, summarize the results of Mr. Sander's projections.

2. Average Method

Projection of effective taxable payroll by the average method makes use of assumed increases in average real covered earnings (Section IV.B.) and projected numbers of workers in covered employment (Section V.A.). Total amounts of taxable wages for employees and employers, and the total amount of taxable self-employment income that are projected by Mr. Sander (see subsection covering aggregate method) for 1996, are increased by the combination of projected increases in the number of covered workers and assumed increases in average covered wages and average covered self-employment income, respectively. Adjustment to reflect the minor change in ratios of taxable earnings to covered earnings between projected values which are attained in 1996 and the projected ultimate values for 1997 (these ratios are also used in the aggregate method

and are discussed in the prior subsection) yields projected taxable payroll for employers, employees, and the self-employed. The amount of deemed military service wage credits and the railroad taxable payroll are projected as described earlier in this section. Finally, projected effective taxable payroll is computed as the sum of each of these totals multiplied by the employee, employer, or self-employed tax rate, as appropriate and divided by the combined employee-employer tax rate.

VI. RESULTS

Over the past 30 years, the total U.S. labor force has increased at an average annual rate of 1.8 percent. This increase results both from the increasing working-age population and from the rapid rise in labor-force-participation rates of women. However, the total fertility rate peaked at 3.68 children per woman in 1957, and by 1974, at 1.82 children per woman, was less than half of the peak level, and has stayed at approximately that level. This decline in the total fertility rate is reflected in the corresponding rates of increase of the population age 16 to 19. From 1955 to 1980 this population increased 1.6 percent per year, but for the 1980 to 1985 period the rate of increase was down to 1.1 percent per year. The age-adjusted labor-force-participation rates of women increased at an average annual rate of 1.8 percent per year from 1960 to 1980; from 1980 to 1985 this rate increased at an average rate of only 1.2 percent. Because the increases in both the working-age population and the labor-force-participation rates of women have decelerated and because we expect them to continue to decelerate, we project much lower rates of growth in the labor force over the projection period 1985 to 2065 than over the 1955 to 1985 period: 0.56 percent, 0.23 percent, 0.22 percent, and -0.27 percent for alternatives I, II-A, II-B, and III, respectively.

The average annual increase in GNP82 for historical period 1955 to 1985 was 2.96 percent. The projected average annual increases in GNP82 for the period 1985 to 2065 are 2.99 percent, 2.24 percent, 1.85 percent, and 0.91 percent for alternatives I, II-A, II-B, and III, respectively (based on Table A11). The decreased rates of increase in the labor force, as discussed in the

preceding paragraph, are offset somewhat by faster increases in productivity as compared with the historical period 1955 to 1985 except for alternative III. The ultimate productivity increases are assumed to be 2.36 percent, 2.05 percent, 1.70 percent, and 1.51 percent for alternatives I, II-A, II-B, and III, respectively, as compared with 1.68 percent for the historical period (table 13).

However, when analyzed in terms of per capita actual GNP82, a fruitful way to measure average economic well-being, (defined as total GNP82 divided by the total number of persons in the U.S. population), we see that the experience of the past 30 years, during which the average annual growth rate was 1.78 percent, is close to the projected rate for the intermediate (alternative II-B) assumptions and is roughly in the center of the projected average annual growth rates of 2.36 percent, 1.91 percent, 1.51 percent, and 0.94 percent for the period 1985 through 2065 for alternatives I, II-A, II-B, and III, respectively.

As is the case with the labor force, the projected average annual rates of increase in the number of OASDI covered workers between 1985 and 2065 is less for each alternative (0.59 percent, 0.25 percent, 0.24 percent, and -0.25 percent for alternatives I, II-A, II-B, and III, respectively) than the average annual rate of 2.11 percent experienced between 1955 and 1985. Both historical and future rates of increase in OASDI covered workers are slightly higher than corresponding increases in labor force because of the trend toward coverage of an increasing proportion of all workers.

The combination of the slower future rate of growth in the number of workers and the slowdown in the trend toward increased coverage under the OASDI program results in projected average annual rates of increase in real effective taxable payroll (3.02 percent, 2.17 percent, 1.66 percent, and -0.62 percent for alternatives I, II-A, II-B, and III, respectively between 1985 and 2065) that are lower than the average annual growth rate of 3.6 percent experienced between 1955 and 1985.

Table A1.—July 1 Social Security Area Population by Alternative, Sex, Calendar Year and Age Group —Continued
[In thousands]

Year	Age Group											Total (16+)	
	16-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69		70+
Alternative III: (Cont.)													
Female (Cont.)													
2025.....	5,876	7,519	7,919	8,653	9,400	9,509	8,836	8,729	9,285	10,295	10,149	26,369	122,539
2030.....	5,725	7,371	7,583	7,973	8,680	9,403	9,486	8,777	8,612	9,059	9,872	30,533	123,075
2035.....	5,506	7,178	7,435	7,638	8,003	8,687	9,383	9,425	8,668	8,415	8,709	33,819	122,868
2040.....	5,205	6,890	7,243	7,491	7,669	8,012	8,672	9,328	9,315	8,484	8,107	35,326	121,740
2045.....	4,945	6,515	6,956	7,299	7,523	7,680	8,001	8,625	9,225	9,127	8,193	35,681	119,770
2050.....	4,764	6,202	6,582	7,013	7,332	7,535	7,672	7,963	8,538	9,049	8,829	35,733	117,211
2055.....	4,616	5,983	6,269	6,640	7,046	7,345	7,529	7,639	7,890	8,386	8,769	36,245	114,358
2060.....	4,451	5,798	6,051	6,328	6,674	7,061	7,342	7,500	7,574	7,758	8,141	36,744	111,420
2065.....	4,263	5,588	5,866	6,110	6,363	6,690	7,059	7,316	7,441	7,457	7,545	36,819	108,516
Total													
1986.....	15,182	21,317	22,957	21,425	18,921	15,603	12,507	11,277	11,531	11,175	9,590	19,921	191,405
1987.....	15,227	20,646	22,935	21,991	19,196	16,467	12,970	11,341	11,381	11,141	9,797	20,341	193,434
1988.....	15,120	19,975	22,754	22,404	19,516	17,261	13,543	11,515	11,183	11,117	9,964	20,784	195,137
1989.....	14,788	19,448	22,477	22,695	20,030	17,906	14,131	11,734	11,020	11,060	10,114	21,250	196,653
1990.....	14,313	19,169	22,030	22,895	20,705	18,428	14,722	11,960	10,927	10,983	10,210	21,761	198,102
1991.....	13,864	19,060	21,398	22,999	21,390	18,810	15,433	12,260	10,899	10,901	10,219	22,322	199,556
1992.....	13,628	18,900	20,692	22,949	21,941	19,080	16,288	12,717	10,967	10,771	10,204	22,895	201,033
1993.....	13,646	18,602	20,027	22,772	22,355	19,405	17,080	13,287	11,147	10,599	10,199	23,449	202,568
1994.....	13,805	18,203	19,504	22,498	22,649	19,921	17,725	13,872	11,368	10,458	10,163	24,002	204,168
1995.....	14,046	17,734	19,228	22,056	22,852	20,598	18,246	14,459	11,597	10,384	10,108	24,538	205,845
1996.....	14,360	17,313	19,121	21,429	22,960	21,284	18,630	15,165	11,896	10,371	10,046	25,035	207,610
1997.....	14,679	17,140	18,964	20,729	22,914	21,837	18,903	16,013	12,348	10,448	9,939	25,513	209,427
1998.....	14,961	17,230	18,668	20,069	22,741	22,254	19,233	16,799	12,910	10,629	9,793	25,977	211,263
1999.....	15,158	17,474	18,272	19,550	22,472	22,551	19,750	17,438	13,486	10,850	9,674	26,404	213,081
2000.....	15,254	17,813	17,807	19,277	22,035	22,757	20,427	17,954	14,064	11,077	9,618	26,792	214,674
2005.....	15,194	19,138	17,891	17,867	19,279	21,960	22,586	20,124	17,489	13,475	10,308	28,103	223,413
2010.....	14,042	18,916	19,213	17,954	17,879	19,227	21,807	22,267	19,628	16,784	12,589	29,658	229,963
2015.....	12,870	17,441	18,994	19,274	17,969	17,839	19,107	21,515	21,743	18,875	15,723	32,970	234,320
2020.....	12,268	16,049	17,528	19,058	19,286	17,933	17,737	18,871	21,035	20,947	17,736	38,678	237,127
2025.....	12,024	15,361	16,143	17,601	19,074	19,247	17,838	17,531	18,478	20,303	19,740	45,452	238,792
2030.....	11,715	15,060	15,460	16,223	17,624	19,040	19,149	17,846	17,186	17,873	19,185	52,992	239,154
2035.....	11,268	14,666	15,161	15,545	16,254	17,600	18,949	18,951	17,320	16,651	16,944	58,643	237,954
2040.....	10,651	14,078	14,771	15,249	15,580	16,240	17,525	18,764	18,617	16,816	15,825	60,907	235,021
2045.....	10,120	13,312	14,186	14,861	15,287	15,571	16,178	17,365	18,451	18,099	16,030	61,211	230,673
2050.....	9,750	12,673	13,425	14,280	14,902	15,282	15,518	16,042	17,093	17,963	17,291	61,253	225,472
2055.....	9,448	12,226	12,789	13,523	14,324	14,901	15,235	15,397	15,807	16,666	17,198	62,413	219,926
2060.....	9,110	11,848	12,344	12,890	13,571	14,328	14,860	15,124	15,186	15,435	15,990	63,619	214,303
2065.....	8,725	11,420	11,968	12,448	12,941	13,579	14,293	14,759	14,928	14,848	14,842	63,947	208,698

Note: The Social Security Area population, since 1960, is composed of all residents of the United States, Puerto Rico, Virgin Islands, Guam, and American Samoa, all members of the Armed Forces stationed in the United States and abroad, and an adjustment of the net census undercount.

Table A2.—July 1 Non-institutionalized U.S. Population by Alternative, Sex, Calendar Year and Age Group —Continued
 [In thousands]

Year	Age Group											Total (16+)	
	16-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69		70+
Alternative III: (Cont.)													
Female (Cont.)													
2035.....	5,362	6,954	7,202	7,495	8,095	8,014	9,131	9,205	8,573	8,260	8,833	29,228	116,350
2040.....	5,068	6,674	7,016	7,351	7,757	7,391	8,439	9,109	9,212	8,328	8,222	30,067	114,634
2045.....	4,816	6,311	6,737	7,163	7,609	7,084	7,787	8,424	9,124	8,959	8,310	29,985	112,315
2050.....	4,639	6,008	6,375	6,881	7,416	6,951	7,466	7,777	8,444	8,883	8,954	29,947	109,741
2055.....	4,495	5,796	6,073	6,515	7,127	6,776	7,327	7,461	7,803	8,231	8,893	30,498	106,995
2060.....	4,334	5,616	5,861	6,210	6,751	6,513	7,144	7,325	7,491	7,616	8,256	30,997	104,114
2065.....	4,151	5,413	5,682	5,996	6,436	6,171	6,870	7,145	7,359	7,319	7,652	30,919	101,113
Total													
1986.....	14,702	20,315	21,700	20,474	18,432	14,471	11,928	10,794	11,184	10,847	9,562	19,601	182,438
1987.....	14,896	19,669	21,696	20,956	18,464	15,615	12,400	10,827	11,039	10,787	9,797	20,049	184,557
1988.....	14,829	19,028	21,615	21,339	18,861	16,142	13,120	11,025	10,819	10,811	9,927	20,515	186,329
1989.....	14,515	18,535	21,460	21,626	19,326	16,856	13,644	11,262	10,650	10,738	10,092	20,979	187,919
1990.....	14,012	18,333	21,123	21,817	19,848	17,621	14,104	11,465	10,577	10,652	10,207	21,484	189,407
1991.....	13,486	18,424	20,494	22,044	20,284	18,572	14,391	11,792	10,529	10,594	10,188	22,028	190,931
1992.....	13,234	18,289	19,855	22,045	20,761	18,610	15,525	12,261	10,570	10,466	10,143	22,587	192,391
1993.....	13,294	18,058	19,220	21,962	21,141	19,012	16,054	12,975	10,769	10,267	10,175	23,065	193,978
1994.....	13,465	17,668	18,733	21,810	21,424	19,481	16,765	13,496	11,007	10,118	10,117	23,571	195,583
1995.....	13,687	17,234	18,532	21,474	21,615	20,008	17,526	13,952	11,210	10,059	10,045	24,052	197,264
1996.....	14,088	16,664	18,625	20,847	21,841	20,449	18,467	14,239	11,536	10,023	9,999	24,461	199,055
1997.....	14,214	16,333	17,927	19,812	22,330	20,257	18,018	15,333	11,974	10,138	9,906	25,100	199,152
1998.....	14,488	16,419	17,647	19,180	22,162	20,644	18,332	16,085	12,519	10,314	9,760	25,543	200,853
1999.....	14,679	16,652	17,273	18,685	21,900	20,919	18,826	16,695	13,078	10,528	9,642	25,953	202,537
2000.....	14,772	16,975	16,832	18,424	21,475	21,110	19,473	17,182	13,642	10,748	9,585	26,327	204,193
2005.....	14,714	18,238	16,912	17,075	18,789	20,371	21,535	19,251	16,957	13,077	10,271	27,591	212,130
2010.....	13,598	18,026	18,162	17,158	17,423	17,836	20,794	21,305	19,024	16,285	12,546	29,043	218,390
2015.....	12,463	16,621	17,955	18,419	17,510	16,548	18,219	20,587	21,077	18,309	15,664	32,154	222,708
2020.....	11,880	15,294	16,569	18,213	18,794	16,636	16,912	18,057	20,392	20,321	17,663	37,501	225,423
2025.....	11,644	14,639	15,260	16,820	18,587	17,855	17,008	16,773	17,913	19,696	19,660	43,881	226,679
2030.....	11,345	14,351	14,614	15,504	17,174	17,663	18,258	16,883	16,659	17,339	19,108	50,807	226,319
2035.....	10,912	13,976	14,331	14,855	15,839	16,327	18,067	18,131	16,789	16,153	16,876	55,844	224,380
2040.....	10,314	13,415	13,962	14,572	15,181	15,065	16,709	17,952	18,046	16,312	15,760	57,723	220,794
2045.....	9,800	12,686	13,409	14,202	14,896	14,445	15,424	16,614	17,885	17,557	15,964	57,910	216,149
2050.....	9,442	12,077	12,690	13,646	14,521	14,177	14,795	15,348	16,568	17,425	17,219	58,005	211,100
2055.....	9,149	11,650	12,089	12,922	13,958	13,823	14,525	14,731	15,321	16,166	17,126	59,123	205,841
2060.....	8,822	11,290	11,668	12,318	13,223	13,291	14,167	14,469	14,719	14,972	15,923	60,104	200,406
2065.....	8,449	10,882	11,313	11,895	12,610	12,597	13,627	14,120	14,469	14,403	14,779	60,078	194,778

Note: The non-institutionalized U.S. population is the U.S. Census population excluding institutionalized convicts, alcoholics, drug addicts, and physically and mentally disabled, among others.

Table A3.—Unemployment Rates by Alternative, Sex, Calendar Year and Age Group —Continued
[In percent]

Year	Age Group												Total (16+)	Age- Sex Adjusted
	16-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70+		
Alternative II-B: (Cont.)														
Total (Cont.)														
1993	16.7	9.4	6.5	5.2	4.5	4.1	3.9	3.7	3.6	3.6	4.2	2.7	5.8	6.1
1994	16.6	9.4	6.5	5.2	4.5	4.1	3.9	3.7	3.6	3.6	4.2	2.7	5.8	6.1
1995	16.6	9.4	6.4	5.2	4.5	4.1	3.9	3.7	3.6	3.6	4.2	2.7	5.7	6.0
1996	16.6	9.4	6.4	5.2	4.5	4.1	3.9	3.7	3.6	3.6	4.2	2.7	5.7	6.0
1997	16.4	9.3	6.4	5.1	4.5	4.0	3.8	3.7	3.6	3.6	4.2	2.7	5.6	6.0
1998	16.4	9.2	6.4	5.1	4.4	4.0	3.8	3.7	3.6	3.6	4.2	2.7	5.6	6.0
1999	16.4	9.2	6.3	5.1	4.4	4.0	3.8	3.7	3.6	3.6	4.2	2.7	5.6	6.0
2000	16.4	9.2	6.3	5.1	4.4	4.0	3.8	3.7	3.6	3.6	4.2	2.6	5.6	6.0
Alternative III:														
Male														
1986	18.5	10.5	7.0	6.0	5.2	4.8	4.2	4.7	4.6	4.0	3.6	2.6	6.9	6.9
1987	19.5	12.9	8.7	6.3	5.4	4.8	4.8	4.7	4.6	4.5	4.5	2.9	7.6	7.6
1988	22.0	14.7	10.1	7.5	6.5	5.7	5.6	5.5	5.4	5.3	4.9	3.4	8.7	8.9
1989	20.8	13.9	9.6	7.1	6.2	5.4	5.3	5.3	5.1	5.1	4.7	3.2	8.2	8.4
1990	23.5	16.2	11.3	8.3	7.2	6.2	6.1	6.0	5.8	5.6	5.1	3.4	9.4	9.7
1991	21.6	14.5	10.1	7.6	6.6	5.7	5.6	5.6	5.5	5.6	4.9	3.4	8.5	8.9
1992	20.6	13.5	9.3	6.9	6.0	5.3	5.2	5.2	5.1	5.2	4.8	3.3	7.9	8.3
1993	19.9	12.8	8.7	6.5	5.7	5.0	4.9	4.9	4.9	4.9	4.7	3.2	7.4	7.8
1994	19.2	12.2	8.3	6.1	5.3	4.7	4.7	4.7	4.6	4.7	4.6	3.1	7.0	7.4
1995	18.7	11.7	7.8	5.8	5.0	4.5	4.5	4.5	4.5	4.6	4.5	3.0	6.7	7.1
1996	18.1	11.2	7.4	5.5	4.8	4.3	4.3	4.3	4.4	4.4	4.5	3.0	6.4	6.8
1997	18.3	11.2	7.4	5.5	4.8	4.3	4.3	4.2	4.3	4.4	4.5	3.0	6.3	6.8
1998	18.1	11.0	7.3	5.4	4.7	4.2	4.2	4.2	4.3	4.5	4.5	3.0	6.2	6.7
1999	17.9	10.8	7.1	5.3	4.6	4.1	4.1	4.1	4.1	4.3	4.5	2.9	6.1	6.6
2000	17.8	10.8	7.1	5.2	4.5	4.1	4.1	4.1	4.1	4.3	4.5	2.9	6.1	6.5
Female														
1986	17.9	10.6	7.8	6.9	5.4	4.7	4.9	4.4	4.0	4.0	3.2	2.2	7.3	7.3
1987	18.9	11.7	8.9	7.5	6.5	5.8	5.5	5.1	4.5	4.4	4.4	2.7	8.1	8.1
1988	20.8	13.1	9.9	8.3	7.2	6.5	6.2	5.8	5.3	5.0	4.9	3.1	9.0	9.1
1989	19.6	12.4	9.4	7.8	6.8	6.2	5.9	5.5	5.0	4.7	4.7	2.9	8.4	8.6
1990	21.5	13.9	10.6	8.8	7.6	6.9	6.6	6.2	5.6	5.3	5.1	3.1	9.3	9.6
1991	20.3	12.8	9.7	8.1	7.0	6.4	6.2	5.7	5.4	4.9	4.9	3.1	8.6	8.9
1992	19.8	12.3	9.3	7.8	6.8	6.2	5.9	5.5	5.1	4.6	4.7	3.0	8.2	8.6
1993	19.4	11.9	9.0	7.6	6.6	5.9	5.7	5.2	4.9	4.5	4.6	2.9	7.9	8.3
1994	19.0	11.6	8.7	7.4	6.4	5.8	5.5	5.0	4.7	4.3	4.5	2.9	7.6	8.1
1995	18.7	11.3	8.5	7.2	6.2	5.6	5.3	4.9	4.5	4.2	4.5	2.8	7.4	7.9
1996	18.4	11.0	8.3	7.1	6.1	5.5	5.1	4.7	4.4	4.0	4.4	2.8	7.2	7.7
1997	18.6	11.1	8.3	7.1	6.2	5.5	5.2	4.8	4.4	4.1	4.4	2.8	7.3	7.8
1998	18.5	11.0	8.3	7.1	6.1	5.5	5.1	4.7	4.3	4.0	4.4	2.8	7.2	7.7
1999	18.4	10.9	8.2	7.0	6.1	5.4	5.0	4.6	4.3	4.0	4.4	2.8	7.1	7.6
2000	18.4	10.8	8.2	7.0	6.0	5.4	5.0	4.6	4.2	4.0	4.4	2.8	7.1	7.6
Total														
1986	18.4	10.4	7.3	6.3	5.3	4.7	4.5	4.7	4.3	4.0	3.6	2.2	7.0	7.0
1987	19.2	12.3	8.8	6.8	5.9	5.3	5.1	4.9	4.6	4.4	4.4	2.8	7.8	7.9
1988	21.4	13.9	10.0	7.8	6.8	6.1	5.9	5.7	5.3	5.2	4.9	3.2	8.8	9.0
1989	20.2	13.2	9.5	7.4	6.4	5.7	5.6	5.4	5.1	4.9	4.7	3.1	8.3	8.5
1990	22.6	15.1	11.0	8.5	7.4	6.6	6.4	6.1	5.7	5.5	5.1	3.3	9.4	9.7
1991	21.0	13.7	9.9	7.8	6.8	6.0	5.9	5.7	5.4	5.3	4.9	3.3	8.5	8.9
1992	20.2	13.0	9.3	7.3	6.4	5.7	5.5	5.3	5.1	5.0	4.7	3.2	8.0	8.4
1993	19.6	12.4	8.9	7.0	6.1	5.4	5.3	5.1	4.9	4.7	4.7	3.1	7.8	8.0
1994	19.1	11.9	8.5	6.7	5.8	5.2	5.0	4.8	4.7	4.6	4.6	3.0	7.3	7.7
1995	18.7	11.5	8.1	6.5	5.6	5.0	4.9	4.7	4.5	4.4	4.5	2.9	7.0	7.4
1996	18.3	11.1	7.8	6.2	5.4	4.8	4.7	4.5	4.3	4.3	4.4	2.9	6.7	7.2
1997	18.4	11.1	7.8	6.2	5.4	4.8	4.7	4.5	4.3	4.3	4.5	2.9	6.7	7.2
1998	18.3	11.0	7.7	6.1	5.3	4.8	4.6	4.4	4.3	4.2	4.5	2.9	6.8	7.1
1999	18.1	10.8	7.6	6.1	5.3	4.7	4.5	4.4	4.2	4.2	4.5	2.9	6.8	7.0
2000	18.1	10.8	7.6	6.0	5.2	4.7	4.5	4.3	4.2	4.1	4.4	2.9	6.5	7.0

Note: The unemployment rate is the average of the unemployed as a percentage of the average total labor force during the year, which includes all military personnel in the U.S. and abroad. Age-sex adjustment is based on the distribution of the 1986 labor force.

Table A4.—Labor Force Participation Rates by Alternative, Sex, Calendar Year and Age Group —Continued
[In percent]

Year	Age Group											Total (16+)	Age- Sex Adjusted	
	16-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69			70+
Alternative III: (Cont.)														
Female (Cont.)														
2010.....	52.9	74.6	74.0	74.2	76.6	79.1	74.5	67.7	53.0	31.2	10.7	3.1	54.4	57.2
2015.....	52.9	74.5	73.9	74.4	76.4	79.0	73.8	67.2	52.5	30.4	10.4	3.1	52.2	57.0
2020.....	52.9	74.5	73.7	74.2	76.6	78.9	73.7	66.6	51.9	30.0	10.1	3.1	49.8	56.8
2025.....	52.9	74.5	73.6	73.9	76.7	79.0	73.7	66.5	51.1	29.3	9.3	3.1	47.7	56.6
2030.....	52.9	74.5	73.6	73.8	76.6	78.9	73.8	66.6	50.9	28.5	8.8	3.1	46.2	56.6
2035.....	53.0	74.5	73.7	73.8	76.5	78.8	73.7	66.6	51.1	28.3	8.5	3.0	45.2	56.5
2040.....	53.0	74.5	73.7	73.9	76.5	78.8	73.6	66.5	51.1	28.5	8.6	2.8	44.4	56.5
2045.....	53.0	74.5	73.7	73.9	76.5	78.8	73.5	66.3	50.9	28.5	8.4	2.5	43.5	56.4
2050.....	53.0	74.5	73.7	73.9	76.5	78.8	73.5	66.2	50.6	28.1	8.4	2.4	42.6	56.4
2055.....	53.0	74.5	73.6	73.9	76.5	78.8	73.5	66.2	50.5	27.8	8.2	2.4	41.9	56.3
2060.....	53.0	74.5	73.7	73.9	76.5	78.8	73.5	66.3	50.5	27.6	8.1	2.4	41.4	56.3
2065.....	53.0	74.5	73.7	73.9	76.5	78.8	73.5	66.3	50.5	27.6	8.0	2.3	41.0	56.3
Total														
1986.....	55.4	80.3	83.7	84.2	83.7	83.9	81.4	74.7	64.4	43.2	18.1	7.2	65.8	65.8
1987.....	55.0	80.3	83.6	84.2	84.3	84.8	81.7	74.9	64.4	42.9	18.1	7.2	65.9	65.9
1988.....	54.5	79.8	83.3	83.9	84.3	85.2	82.0	75.2	64.0	42.0	17.9	7.1	65.7	65.7
1989.....	55.4	80.2	83.8	84.3	84.8	85.7	82.5	76.0	64.1	41.8	17.5	7.0	66.1	66.1
1990.....	54.8	80.3	83.9	84.4	84.9	86.1	82.8	76.4	64.3	41.8	17.3	6.9	66.2	66.2
1991.....	54.5	80.4	84.0	84.6	85.2	86.4	83.1	76.8	64.3	41.8	16.9	6.8	66.3	66.2
1992.....	54.7	80.5	84.1	84.9	85.5	86.7	83.4	77.2	64.5	41.9	16.9	6.8	66.5	66.4
1993.....	54.8	80.5	84.1	85.2	85.8	86.9	83.7	77.5	64.7	41.9	16.8	6.8	66.6	66.5
1994.....	54.9	80.4	84.1	85.3	86.0	87.1	83.9	77.8	65.0	41.9	16.7	6.8	66.7	66.7
1995.....	55.0	80.5	84.2	85.4	86.1	87.3	84.1	78.0	65.2	42.0	16.6	6.8	66.8	66.7
1996.....	55.1	80.5	84.2	85.4	86.2	87.5	84.1	78.1	65.2	42.0	16.5	6.8	66.8	66.8
1997.....	55.1	80.5	84.2	85.2	86.0	87.6	84.1	77.8	65.1	42.0	16.4	6.6	66.4	66.7
1998.....	55.1	80.5	84.1	85.1	85.9	87.4	83.8	77.6	64.9	41.9	16.4	6.6	66.2	66.6
1999.....	55.1	80.4	84.0	84.9	85.8	87.3	83.6	77.4	64.7	41.8	16.3	6.5	65.9	66.5
2000.....	55.1	80.4	83.9	84.7	85.7	87.1	83.4	77.4	64.3	41.5	16.2	6.3	65.7	66.3
2005.....	55.0	80.4	83.8	84.5	85.4	86.8	83.0	76.9	64.1	41.4	15.4	5.7	64.6	66.0
2010.....	55.0	80.5	83.8	84.5	85.5	86.6	82.7	76.5	63.6	41.0	14.5	5.3	63.0	65.8
2015.....	55.0	80.5	83.7	84.5	86.5	86.6	82.5	76.2	63.1	40.3	14.3	5.3	60.7	65.7
2020.....	55.0	80.5	83.5	84.3	85.5	86.6	82.5	75.9	62.5	40.1	14.0	5.4	58.3	65.6
2025.....	55.0	80.5	83.5	84.2	85.5	86.6	82.6	75.9	62.2	39.7	12.9	5.4	56.0	65.4
2030.....	55.0	80.5	83.5	84.1	85.5	86.6	82.6	76.0	62.2	39.2	12.6	5.5	54.4	65.4
2035.....	55.0	80.5	83.5	84.2	85.4	86.5	82.5	76.0	62.5	39.1	12.4	5.3	53.3	65.4
2040.....	55.0	80.5	83.5	84.2	85.4	86.5	82.4	75.8	62.3	39.5	12.5	4.8	52.6	65.3
2045.....	55.0	80.5	83.5	84.2	85.5	86.5	82.3	75.7	62.1	39.3	12.4	4.5	51.6	65.2
2050.....	55.0	80.5	83.5	84.2	85.5	86.5	82.4	75.7	61.9	39.0	12.3	4.4	50.7	65.2
2055.....	55.0	80.5	83.5	84.2	85.4	86.5	82.4	75.7	61.9	38.7	12.1	4.5	49.9	65.2
2060.....	55.0	80.5	83.5	84.2	85.4	86.5	82.4	75.7	61.9	38.6	12.1	4.5	49.3	65.2
2065.....	55.0	80.5	83.5	84.2	85.4	86.5	82.3	75.7	61.9	38.6	12.1	4.4	48.9	65.1

Note: The labor force participation rate is the average total labor force during the year as a percentage of the non-institutionalized U.S. population. Age-sex adjustment is based on the distribution of the 1986 non-institutionalized U.S. population.

Table A5.—Labor Force by Alternative, Sex, Calendar Year and Age Group
 [In thousands]

Year	Age Group												Total (16+)
	16-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70+	
Past Experience:													
Male													
1947	3,053	5,094	5,621	4,977	4,887	4,716	4,072	3,810	3,372	2,278	1,381	995	44,256
1948	3,002	5,117	5,706	5,052	4,948	4,775	4,120	3,855	3,443	2,327	1,386	999	44,730
1949	2,899	5,198	5,774	5,112	5,018	4,842	4,155	3,888	3,435	2,320	1,426	1,028	45,095
1950	2,821	5,224	5,858	5,186	5,064	4,888	4,212	3,940	3,461	2,339	1,426	1,027	45,446
1951	2,865	5,267	5,977	5,292	5,117	4,939	4,264	3,990	3,510	2,372	1,435	1,034	46,062
1952	2,812	5,223	6,071	5,375	5,185	5,004	4,326	4,048	3,555	2,402	1,403	1,012	46,416
1953	2,777	5,084	6,083	5,386	5,429	5,240	4,449	4,163	3,568	2,411	1,478	1,066	47,134
1954	2,726	4,959	6,082	5,385	5,469	5,279	4,517	4,226	3,646	2,464	1,467	1,058	47,278
1955	2,812	4,851	6,081	5,383	5,513	5,320	4,586	4,291	3,655	2,470	1,468	1,058	47,488
1956	2,947	4,814	6,025	5,334	5,560	5,366	4,673	4,371	3,714	2,510	1,513	1,091	47,918
1957	2,985	4,781	5,966	5,281	5,621	5,425	4,754	4,447	3,716	2,511	1,439	1,038	47,964
1958	2,951	4,849	5,892	5,216	5,680	5,481	4,841	4,528	3,765	2,543	1,383	996	48,125
1959	3,042	4,987	5,824	5,157	5,717	5,518	4,902	4,586	3,790	2,560	1,349	972	48,404
1960	3,184	5,089	5,797	5,133	5,771	5,569	4,977	4,657	3,822	2,583	1,329	958	48,869
1961	3,229	5,187	5,771	5,109	5,803	5,600	5,033	4,708	3,900	2,635	1,290	930	49,195
1962	3,252	5,272	5,686	5,034	5,874	5,668	5,065	4,738	3,918	2,647	1,302	939	49,395
1963	3,406	5,471	5,641	4,994	5,897	5,692	5,127	4,796	3,986	2,693	1,241	894	49,838
1964	3,575	5,704	5,291	5,345	5,764	5,795	5,283	4,760	3,914	2,831	1,191	932	50,385
1965	3,831	5,926	5,370	5,283	5,693	5,811	5,307	4,824	3,929	2,839	1,209	922	50,944
1966	4,123	6,139	5,509	5,252	5,595	5,800	5,374	4,828	3,977	2,875	1,214	875	51,561
1967	4,214	6,546	5,749	5,252	5,509	5,773	5,446	4,849	4,055	2,889	1,257	861	52,400
1968	4,195	6,788	6,064	5,312	5,398	5,724	5,506	4,858	4,120	2,910	1,272	882	53,029
1969	4,282	7,088	6,313	5,393	5,304	5,642	5,558	4,874	4,172	2,890	1,275	895	53,686
1970	4,399	7,386	6,519	5,471	5,263	5,561	5,577	4,909	4,222	2,910	1,278	887	54,382
1971	4,499	7,647	6,726	5,622	5,221	5,478	5,553	4,958	4,235	2,920	1,229	860	54,948
1972	4,811	7,866	7,068	5,881	5,262	5,429	5,430	5,032	4,181	2,977	1,165	861	55,963
1973	5,065	8,124	7,460	6,198	5,319	5,329	5,388	5,072	4,153	2,878	1,101	813	56,900
1974	5,225	8,240	7,748	6,507	5,412	5,291	5,351	5,120	4,176	2,888	1,118	813	57,889
1975	5,172	8,353	8,099	6,693	5,489	5,204	5,329	5,110	4,207	2,818	1,112	803	58,389
1976	5,232	8,621	8,484	6,907	5,620	5,171	5,244	5,086	4,260	2,760	1,053	772	59,210
1977	5,378	8,855	8,582	7,386	5,851	5,207	5,181	5,016	4,356	2,743	1,085	771	60,411
1978	5,455	9,075	8,749	7,682	6,192	5,251	5,104	5,019	4,422	2,729	1,126	809	61,613
1979	5,389	9,279	8,986	8,011	6,464	5,345	5,062	4,983	4,440	2,774	1,131	812	62,676
1980	5,277	9,342	9,211	8,376	6,674	5,437	4,994	4,949	4,436	2,810	1,098	797	63,401
1981	5,055	9,395	9,386	8,725	6,868	5,567	4,976	4,928	4,405	2,768	1,080	787	63,940
1982	4,721	9,373	9,624	8,821	7,295	5,765	4,971	4,850	4,414	2,761	1,056	789	64,440
1983	4,531	9,372	9,809	8,903	7,626	6,064	5,040	4,744	4,325	2,795	1,033	809	65,051
1984	4,352	9,360	10,023	9,160	8,007	6,335	5,145	4,670	4,267	2,784	983	772	65,858
1985	4,371	9,058	10,038	9,476	8,221	6,591	5,279	4,636	4,251	2,819	1,013	723	66,476
Female													
1947	1,835	2,725	2,047	1,703	1,818	1,858	1,407	1,323	940	582	274	171	16,683
1948	1,835	2,721	2,150	1,790	1,881	1,923	1,532	1,441	967	598	316	198	17,352
1949	1,813	2,662	2,186	1,820	1,975	2,018	1,598	1,502	1,037	641	342	214	17,808
1950	1,714	2,681	2,238	1,863	2,060	2,106	1,715	1,613	1,136	703	359	225	18,413
1951	1,733	2,670	2,350	1,955	2,130	2,177	1,822	1,713	1,188	735	339	212	19,024
1952	1,758	2,519	2,366	1,969	2,198	2,246	1,875	1,762	1,255	777	363	227	19,315
1953	1,713	2,447	2,279	1,896	2,309	2,359	1,898	1,784	1,265	783	426	267	19,426
1954	1,688	2,441	2,305	1,919	2,332	2,383	1,971	1,853	1,337	827	410	256	19,722
1955	1,729	2,458	2,325	1,936	2,378	2,430	2,142	2,013	1,477	914	480	300	20,582
1956	1,868	2,467	2,339	1,946	2,491	2,545	2,272	2,135	1,612	998	505	316	21,494
1957	1,866	2,453	2,327	1,936	2,533	2,588	2,380	2,238	1,625	1,006	500	313	21,765
1958	1,838	2,510	2,293	1,908	2,567	2,623	2,506	2,356	1,685	1,042	506	316	22,150
1959	1,902	2,484	2,235	1,861	2,588	2,644	2,620	2,463	1,781	1,102	514	322	22,516
1960	2,062	2,590	2,259	1,881	2,625	2,683	2,722	2,558	1,845	1,141	558	349	23,273
1961	2,148	2,708	2,265	1,886	2,668	2,726	2,786	2,619	1,918	1,187	570	356	23,837
1962	2,152	2,814	2,244	1,867	2,710	2,769	2,775	2,608	1,976	1,222	560	351	24,048
1963	2,238	2,970	2,282	1,899	2,772	2,832	2,838	2,667	2,058	1,274	557	348	24,735
1964	2,321	3,220	2,137	2,050	2,588	3,030	2,984	2,698	2,132	1,315	583	383	25,441
1965	2,519	3,375	2,212	2,124	2,648	3,076	3,019	2,695	2,209	1,378	585	391	26,231
1966	2,880	3,601	2,340	2,176	2,657	3,104	3,080	2,805	2,287	1,440	581	382	27,333
1967	2,897	3,981	2,568	2,285	2,682	3,165	3,130	2,856	2,370	1,485	592	386	28,397
1968	2,948	4,251	2,763	2,341	2,675	3,194	3,236	2,896	2,398	1,540	603	396	29,241
1969	3,109	4,615	2,932	2,469	2,716	3,189	3,386	3,002	2,539	1,538	628	428	30,551
1970	3,250	4,899	3,125	2,590	2,758	3,210	3,452	3,080	2,549	1,609	644	412	31,578
1971	3,308	5,117	3,305	2,685	2,778	3,178	3,454	3,119	2,570	1,684	644	416	32,238
1972	3,587	5,386	3,746	2,872	2,845	3,182	3,369	3,186	2,566	1,692	671	418	33,520
1973	3,824	5,689	4,146	3,182	2,994	3,160	3,335	3,231	2,558	1,670	642	419	34,850
1974	4,025	5,961	4,558	3,442	3,163	3,199	3,359	3,341	2,569	1,653	619	385	36,274
1975	4,085	6,232	4,978	3,712	3,274	3,232	3,376	3,307	2,661	1,662	645	399	37,563
1976	4,188	6,477	5,411	4,032	3,500	3,318	3,398	3,291	2,735	1,666	683	387	39,086
1977	4,321	6,780	5,696	4,481	3,769	3,403	3,408	3,312	2,805	1,670	680	397	40,722
1978	4,522	7,109	6,025	4,897	4,064	3,601	3,469	3,338	2,893	1,689	707	427	42,751
1979	4,548	7,305	6,314	5,278	4,411	3,745	3,457	3,432	2,944	1,774	734	426	44,368
1980	4,406	7,392	6,589	5,716	4,678	3,953	3,513	3,491	2,953	1,789	730	431	45,641
1981	4,239	7,537	6,831	6,139	4,913	4,138	3,628	3,474	3,003	1,796	724	451	46,873
1982	4,081	7,568	7,147	6,311	5,296	4,362	3,701	3,404	3,007	1,881	730	455	47,943
1983	3,889	7,544	7,358	6,510	5,604	4,618	3,735	3,370	2,938	1,935	726	473	48,700
1984	3,829	7											

Table A5.—Labor Force by Alternative, Sex, Calendar Year and Age Group —Continued
(in thousands)

Year	Age Group												Total (16+)
	16-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70+	
Alternative II-A: (Cont.) Female (Cont.)													
2035	3,950	6,853	6,773	6,901	7,285	7,245	7,314	6,701	4,776	2,647	860	861	62,167
2040	3,898	6,809	6,921	7,110	7,303	7,018	7,103	6,745	5,141	2,705	800	801	62,352
2045	3,885	6,723	6,877	7,265	7,519	7,040	6,880	6,549	5,170	2,911	809	730	62,357
2050	3,925	6,711	6,789	7,219	7,683	7,248	6,905	6,347	5,014	2,919	873	712	62,346
2055	3,973	6,785	6,776	7,128	7,638	7,402	7,111	6,373	4,860	2,823	876	746	62,491
2060	3,991	6,863	6,849	7,114	7,544	7,357	7,261	6,564	4,884	2,735	848	777	62,786
2065	3,983	6,888	6,929	7,190	7,528	7,268	7,216	6,702	5,032	2,749	821	769	63,077
Total													
1986	8,143	16,307	18,156	17,242	15,419	12,145	9,710	8,060	7,206	4,688	1,735	1,293	120,104
1987	8,222	15,804	18,143	17,658	15,577	13,252	10,139	8,116	7,108	4,630	1,777	1,327	121,753
1988	8,266	15,289	18,083	17,985	15,985	13,784	10,797	8,329	6,951	4,586	1,815	1,376	123,246
1989	8,203	14,948	18,049	18,304	16,461	14,483	11,294	8,590	6,864	4,531	1,833	1,401	124,961
1990	7,949	14,801	17,798	18,533	16,988	15,219	11,734	8,817	6,842	4,482	1,844	1,434	126,442
1991	7,626	14,886	17,260	18,790	17,426	16,114	12,020	9,122	6,828	4,453	1,832	1,475	127,832
1992	7,472	14,776	16,723	18,848	16,917	16,191	13,021	9,530	6,873	4,405	1,812	1,512	129,051
1993	7,496	14,581	16,188	18,815	18,258	16,585	13,506	10,132	7,031	4,325	1,802	1,533	130,253
1994	7,575	14,256	15,781	18,694	18,534	17,039	14,119	10,575	7,214	4,265	1,775	1,558	131,385
1995	7,695	13,903	15,617	18,408	18,715	17,543	14,750	10,965	7,339	4,244	1,748	1,581	132,508
1996	7,916	13,444	15,701	17,866	18,926	17,962	15,538	11,208	7,540	4,231	1,725	1,595	133,652
1997	8,058	13,331	15,334	17,206	19,521	17,947	15,237	12,081	7,845	4,287	1,698	1,591	134,136
1998	8,218	13,414	15,114	16,673	19,406	18,312	15,505	12,675	8,207	4,362	1,663	1,587	135,137
1999	8,333	13,615	14,813	16,254	19,212	18,581	15,929	13,167	8,565	4,452	1,634	1,580	136,134
2000	8,394	13,891	14,451	16,042	18,872	18,777	16,482	13,578	8,914	4,552	1,619	1,570	137,143
2005	8,485	14,958	14,564	14,959	16,576	18,227	18,258	15,205	11,076	5,533	1,650	1,437	140,928
2010	8,259	15,047	15,676	15,069	15,462	16,043	17,697	16,814	12,376	6,839	1,885	1,360	142,528
2015	7,965	14,598	15,775	16,221	15,552	14,977	15,583	16,290	13,653	7,596	2,305	1,522	142,036
2020	7,962	14,127	15,320	16,344	16,731	15,106	14,553	14,366	13,200	8,442	2,553	1,841	140,544
2025	8,198	14,175	14,832	15,882	16,852	16,234	14,992	13,424	11,643	8,173	2,663	2,096	138,864
2030	8,404	14,608	14,884	15,383	16,382	16,348	15,785	13,582	10,887	7,191	2,570	2,500	138,523
2035	8,365	14,924	15,334	15,436	15,873	15,892	15,893	14,585	11,050	6,720	2,269	2,537	138,979
2040	8,255	14,831	15,665	15,898	15,924	15,407	15,450	14,683	11,860	6,867	2,124	2,455	139,419
2045	8,227	14,647	15,568	16,238	16,393	15,462	14,983	14,274	11,935	7,367	2,165	2,300	139,561
2050	8,312	14,622	15,376	16,140	16,742	15,918	15,043	13,852	11,599	7,403	2,304	2,221	139,531
2055	8,414	14,781	15,351	15,945	16,646	16,252	15,487	13,913	11,263	7,182	2,322	2,336	139,894
2060	8,453	14,953	15,517	15,920	16,449	16,159	15,811	14,327	11,323	6,978	2,260	2,432	140,581
2065	8,436	15,008	15,697	16,091	16,422	15,971	15,723	14,630	11,664	7,018	2,200	2,418	141,278
Alternative II-B: Male													
1986	4,300	8,906	10,311	9,795	8,651	6,696	5,424	4,611	4,206	2,730	1,016	799	67,444
1987	4,334	8,536	10,212	9,938	8,692	7,258	5,615	4,603	4,154	2,693	1,043	824	67,902
1988	4,346	8,194	10,102	10,049	8,874	7,496	5,943	4,689	4,053	2,665	1,074	863	68,347
1989	4,306	7,980	10,027	10,184	9,093	7,824	6,176	4,791	3,976	2,624	1,083	876	68,943
1990	4,171	7,899	9,858	10,274	9,345	8,176	6,376	4,873	3,937	2,595	1,089	894	69,489
1991	3,998	7,944	9,557	10,384	9,559	8,618	6,496	5,005	3,905	2,587	1,082	920	70,053
1992	3,913	7,901	9,251	10,386	9,790	8,630	7,010	5,198	3,908	2,560	1,073	944	70,564
1993	3,930	7,801	8,949	10,344	9,971	8,815	7,241	5,501	3,976	2,515	1,070	959	71,072
1994	3,971	7,634	8,715	10,271	10,105	9,032	7,557	5,714	4,057	2,482	1,055	975	71,569
1995	4,032	7,452	8,621	10,103	10,192	9,282	7,895	5,896	4,121	2,470	1,042	991	72,097
1996	4,148	7,208	8,662	9,803	10,298	9,489	8,319	6,002	4,229	2,465	1,031	1,001	72,656
1997	4,223	7,162	8,470	9,419	10,469	9,741	8,339	6,315	4,393	2,487	1,014	1,002	73,034
1998	4,307	7,209	8,353	9,135	10,394	9,938	8,484	6,629	4,592	2,535	996	1,002	73,572
1999	4,367	7,316	8,191	8,915	10,277	10,080	8,698	6,923	4,769	2,589	980	1,001	74,105
2000	4,399	7,461	7,998	8,806	10,084	10,179	8,930	7,260	4,908	2,651	971	995	74,641
2005	4,447	8,043	8,097	8,231	8,895	9,851	9,801	8,239	6,192	3,215	995	931	76,936
2010	4,331	8,112	8,718	8,323	8,319	8,695	9,483	9,040	7,009	4,026	1,125	897	78,077
2015	4,179	7,885	8,790	8,943	8,406	8,136	8,378	8,746	7,673	4,557	1,404	1,009	78,105
2020	4,177	7,634	8,543	9,008	9,022	8,217	7,846	7,735	7,411	5,017	1,571	1,216	77,396
2025	4,301	7,659	8,278	8,757	9,085	8,814	7,930	7,247	6,564	4,869	1,637	1,451	76,592
2030	4,410	7,892	8,309	8,490	8,834	8,875	8,502	7,336	6,157	4,317	1,563	1,574	76,358
2035	4,389	8,063	8,559	8,522	8,569	8,633	8,561	7,864	6,250	4,038	1,403	1,755	76,607
2040	4,332	8,015	8,740	8,775	8,601	8,376	8,330	7,918	6,694	4,127	1,318	1,834	76,861
2045	4,317	7,917	8,688	8,959	8,854	8,409	8,087	7,706	6,739	4,418	1,338	1,552	76,984
2050	4,362	7,903	8,584	8,907	9,039	8,656	8,121	7,485	6,560	4,446	1,433	1,533	77,028
2055	4,415	7,989	8,572	8,803	8,988	8,836	8,359	7,521	6,378	4,323	1,440	1,572	77,197
2060	4,436	8,082	8,665	8,791	8,885	8,788	8,532	7,743	6,415	4,207	1,406	1,636	77,587
2065	4,427	8,113	8,765	8,886	8,874	8,689	8,489	7,907	6,607	4,233	1,373	1,630	77,993
Female													
1986	3,842	7,401	7,845	7,447	6,769	5,449	4,285	3,449	3,001	1,958	719	494	52,660
1987	3,880	7,265	7,928	7,717	6,881	5,993	4,523	3,512	2,954	1,937	733	501	53,823
1988	3,896	7,083	7,972	7,926	7,101	6,283	4,849	3,636	2,894	1,915	735	506	54,795
1989	3,861	6,956	8,006	8,104	7,353	6,651	5,111	3,792	2,881	1,895	739	514	55,864
1990	3,733	6,890	7,935	8,239	7,621	7,034	5,348	3,935	2,897	1,873	739	524	56,768
1991	3,578	6,930	7,699	8,382	7,842	7,486	5,513	4,106	2,913	1,862	731	537	57,577
1992	3,514	6,863	7,468	8,438	8,074	7,550	5,999	4,319	2,954	1,840	721	549	58,290
1993	3,524	6,769	7,235	8,452	8,262	7,758	6,252	4,617	3,044	1,806	715	556	58,990
1994	3,561	6,612	7,061	8,405	8,406	7,993	6,561	4,845	3,148	1,779	702	563	59,636
1995	3,620	6,442	6,992	8,288	8,500	8,245	6,855	5,049	3,215	1,769	687	569	60,232
1996	3,722	6,227	7,035	8,047	8,605	8,457	7,219</						

Table A5.—Labor Force by Alternative, Sex, Calendar Year and Age Group —Continued
 [In thousands]

Year	Age Group											Total (16+)	
	16-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69		70+
Alternative III: (Cont.)													
Female (Cont.)													
2035	2,839	5,184	5,307	5,533	6,191	6,317	6,733	6,133	4,382	2,337	751	864	52,571
2040	2,684	4,974	5,171	5,432	5,931	5,822	6,210	6,057	4,710	2,377	705	830	50,903
2045	2,550	4,703	4,966	5,295	5,821	5,581	5,723	5,585	4,643	2,549	702	750	48,867
2050	2,457	4,477	4,696	5,087	5,674	5,478	5,488	5,150	4,273	2,499	752	728	46,758
2055	2,381	4,319	4,472	4,813	5,454	5,339	5,388	4,942	3,940	2,286	728	731	44,793
2060	2,295	4,186	4,317	4,586	5,164	5,132	5,253	4,853	3,785	2,105	668	754	43,099
2065	2,198	4,034	4,187	4,429	4,922	4,861	5,050	4,734	3,720	2,022	614	722	41,492
Total													
1986	8,143	16,307	18,156	17,242	15,419	12,145	9,710	8,060	7,206	4,688	1,735	1,293	120,104
1987	8,189	15,787	18,131	17,645	15,563	13,246	10,133	8,110	7,105	4,627	1,773	1,322	121,633
1988	8,078	15,189	18,011	17,908	15,905	13,747	10,760	8,295	6,923	4,545	1,772	1,329	122,464
1989	8,038	14,872	17,985	18,232	16,386	14,452	11,260	8,558	6,831	4,491	1,769	1,341	124,214
1990	7,686	14,723	17,732	18,413	16,860	15,167	11,674	8,762	6,798	4,449	1,767	1,353	125,385
1991	7,348	14,812	17,206	18,654	17,283	16,053	11,953	9,057	6,768	4,429	1,722	1,366	126,651
1992	7,233	14,717	16,688	18,716	17,755	16,130	12,952	9,461	6,814	4,382	1,716	1,412	127,977
1993	7,285	14,529	16,166	18,701	18,130	16,521	13,436	10,058	6,971	4,303	1,711	1,437	129,247
1994	7,387	14,213	15,763	18,611	18,416	16,971	14,074	10,494	7,156	4,244	1,689	1,463	130,480
1995	7,528	13,866	15,602	18,337	18,618	17,473	14,744	10,881	7,313	4,224	1,665	1,487	131,738
1996	7,765	13,412	15,688	17,806	18,838	17,891	15,538	11,124	7,525	4,214	1,648	1,505	132,952
1997	7,835	13,143	15,092	16,884	19,211	17,737	15,145	11,927	7,792	4,260	1,621	1,509	132,156
1998	7,986	13,209	14,843	16,313	19,044	18,047	15,368	12,479	8,130	4,324	1,602	1,546	132,891
1999	8,091	13,395	14,514	15,859	18,798	18,257	15,744	12,927	8,461	4,399	1,574	1,532	133,551
2000	8,135	13,648	14,121	15,607	18,408	18,391	16,242	13,295	8,778	4,464	1,552	1,521	134,162
2005	8,097	14,672	14,164	14,436	16,041	17,689	17,874	14,812	10,862	5,415	1,583	1,419	137,064
2010	7,484	14,510	15,216	14,490	14,897	15,446	17,201	16,306	12,102	6,669	1,823	1,384	137,526
2015	6,859	13,376	15,021	15,559	14,964	14,333	15,022	15,678	13,292	7,376	2,235	1,565	135,279
2020	6,539	12,307	13,837	15,356	16,074	14,411	13,947	13,705	12,750	8,146	2,465	1,884	131,422
2025	6,409	11,782	12,737	14,159	15,894	15,471	14,042	12,726	11,145	7,814	2,533	2,200	126,913
2030	6,244	11,553	12,201	13,044	14,677	15,294	15,075	12,839	10,357	6,804	2,405	2,595	123,088
2035	6,006	11,252	11,971	12,501	13,531	14,127	14,899	13,779	10,487	6,314	2,092	2,745	119,705
2040	5,677	10,799	11,664	12,269	12,970	13,033	13,763	13,616	11,251	6,443	1,970	2,588	116,042
2045	5,395	10,211	11,201	11,958	12,729	12,499	12,702	12,579	11,105	6,903	1,979	2,374	111,634
2050	5,197	9,721	10,597	11,489	12,408	12,269	12,187	11,617	10,253	6,794	2,116	2,336	106,982
2055	5,036	9,378	10,094	10,876	11,926	11,961	11,965	11,154	9,478	6,254	2,080	2,433	102,637
2060	4,856	9,089	9,744	10,367	11,297	11,498	11,667	10,956	9,111	5,784	1,923	2,520	98,612
2065	4,651	8,760	9,449	10,012	10,772	10,896	11,220	10,691	8,957	5,565	1,783	2,430	95,186

Note: The labor force is defined as the employed and unemployed U.S. civilians plus all members of the Armed Forces in the U.S. and abroad.

Table A6.—OASDI Covered Worker Rates by Alternative, Sex, Calendar Year and Age Group
[In percent]

Year	Age Group												Total (16+)	Age- Sex Adjusted
	16-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70+		
Past Experience:														
Male														
1947	63.8	74.0	69.6	69.6	64.5	61.9	57.1	55.7	54.6	48.1	36.9	14.5	59.5	58.6
1948	63.8	73.9	68.7	69.7	63.9	62.3	57.0	55.8	53.0	49.2	36.1	14.1	59.2	58.4
1949	53.1	68.1	66.7	66.1	62.4	60.6	57.2	53.0	50.8	46.6	35.0	13.0	56.1	55.3
1950	58.1	71.1	67.8	66.7	63.4	61.8	57.4	55.8	50.8	46.2	33.5	12.7	57.2	56.5
1951	69.3	71.2	74.7	75.7	74.5	73.8	71.7	67.9	63.7	60.8	49.7	18.3	67.0	66.0
1952	72.6	69.4	76.6	77.2	74.4	74.9	72.8	71.3	63.1	63.2	50.2	20.0	68.0	67.1
1953	73.3	70.5	77.1	78.0	76.0	76.0	74.2	71.5	65.4	62.0	50.5	19.9	68.7	67.8
1954	62.6	69.0	75.0	77.2	74.3	76.3	73.4	72.2	64.6	59.8	47.6	20.2	66.8	65.9
1955	65.7	69.8	77.3	79.8	78.1	81.8	79.6	79.0	74.0	68.5	57.7	24.2	71.6	70.4
1956	68.2	74.8	77.7	80.3	79.4	83.7	81.3	82.6	74.9	71.8	60.6	25.0	73.4	72.4
1957	73.8	93.0	84.5	84.9	83.3	84.2	82.1	83.8	76.7	70.6	55.3	23.6	77.0	76.7
1958	65.5	91.7	84.0	84.0	82.5	84.2	81.5	83.1	76.4	71.1	51.9	22.0	75.5	75.2
1959	67.5	92.7	86.1	84.5	84.0	84.1	83.2	84.6	77.2	70.5	48.4	21.4	76.1	76.0
1960	64.2	90.5	87.5	86.5	86.1	86.3	85.7	82.6	79.4	72.6	46.5	21.0	76.4	76.4
1961	62.4	89.7	87.9	85.8	84.6	86.4	85.6	81.6	80.4	71.2	45.0	20.0	75.7	75.8
1962	64.0	91.5	88.8	85.6	84.6	86.2	85.1	81.9	80.0	71.8	43.2	19.8	75.9	76.1
1963	62.1	90.7	90.0	85.0	84.7	85.0	85.7	82.2	79.8	71.8	43.0	18.9	75.5	75.8
1964	64.7	91.2	90.5	85.7	84.2	85.3	84.6	83.3	79.7	72.5	43.0	18.4	75.8	76.2
1965	71.8	91.5	91.4	86.9	85.8	85.2	85.3	84.4	80.5	74.3	44.8	18.5	77.3	77.6
1966	76.4	95.8	91.8	88.4	85.9	84.9	86.0	85.8	80.2	75.4	45.9	19.1	78.7	79.0
1967	77.1	94.0	93.7	89.4	85.8	85.3	86.2	84.9	81.0	75.8	47.8	18.8	79.1	79.3
1968	79.3	94.9	93.0	90.1	85.4	85.0	84.6	85.5	80.4	75.4	49.4	19.3	79.4	79.5
1969	82.6	95.5	92.6	90.7	86.1	84.3	84.8	83.7	81.5	74.9	48.7	18.7	79.8	79.8
1970	78.5	94.4	92.3	90.1	87.1	84.3	83.5	82.0	81.2	73.6	47.1	18.4	78.8	78.9
1971	76.0	91.6	92.3	89.1	87.2	83.1	82.1	80.8	80.9	70.6	44.7	17.6	77.4	77.7
1972	78.9	91.6	92.6	90.6	87.8	82.7	82.5	80.7	79.9	69.7	43.6	17.4	77.8	78.0
1973	84.4	92.6	92.4	91.0	89.0	82.5	83.0	79.7	81.0	68.1	42.1	17.4	78.6	78.6
1974	82.0	92.1	92.1	89.2	88.9	82.5	81.5	79.8	78.4	67.5	39.4	16.7	77.7	77.6
1975	74.7	88.6	89.4	86.7	87.0	81.9	80.4	78.1	76.2	65.8	37.1	15.9	75.1	75.1
1976	74.9	89.3	88.1	88.1	86.8	82.3	79.3	76.8	75.1	64.7	35.6	15.6	74.8	74.9
1977	77.5	89.4	88.1	88.7	88.0	82.9	78.7	76.9	74.3	63.0	34.7	15.3	75.1	75.1
1978	82.7	90.4	89.9	89.4	89.4	85.0	79.5	78.1	74.0	64.2	35.3	15.8	76.6	76.5
1979	80.7	89.4	89.8	89.6	88.2	84.8	79.6	77.0	74.0	62.8	35.5	15.8	76.0	75.9
1980	74.5	87.8	88.8	88.2	86.6	84.2	79.9	76.4	72.7	61.5	35.7	15.3	74.5	74.5
1981	71.2	85.9	87.8	86.4	87.2	83.3	80.4	75.1	71.3	60.5	34.3	14.6	73.3	73.4
1982	64.1	83.6	85.8	84.5	86.6	84.1	80.0	74.3	71.4	59.3	31.8	14.1	71.6	71.7
1983	63.3	83.9	84.8	84.2	85.1	83.9	79.8	73.7	70.2	57.5	30.4	13.4	71.0	71.0
1984	68.5	88.7	87.4	86.0	85.3	84.6	82.1	78.4	73.8	59.5	31.4	13.7	73.5	73.5
1985	71.9	90.9	89.8	88.5	86.6	85.7	83.8	79.7	74.5	59.9	31.3	13.0	75.1	75.0
Female														
1947	52.5	52.9	35.7	30.8	30.8	29.8	26.0	21.3	17.3	12.0	6.7	1.7	29.7	27.6
1948	50.4	51.0	34.4	30.9	30.0	30.5	26.0	22.2	17.2	12.4	6.8	1.8	29.0	27.1
1949	44.0	47.1	32.9	28.9	28.7	29.5	26.2	21.4	16.6	11.8	6.5	1.7	27.1	25.5
1950	45.2	47.1	33.6	30.1	29.2	30.6	26.8	23.0	17.2	12.2	6.5	1.6	27.6	26.1
1951	53.4	53.0	39.0	35.6	35.5	37.4	35.4	29.7	24.0	20.9	13.8	3.5	33.8	32.2
1952	56.0	53.8	39.7	36.3	36.8	38.9	36.4	32.3	24.8	22.2	14.7	3.9	34.8	33.3
1953	56.3	54.6	39.8	36.7	38.6	39.7	38.3	33.8	26.8	22.7	15.3	4.2	35.5	34.1
1954	49.9	53.4	37.5	35.6	37.0	39.1	38.1	34.9	27.0	22.4	15.5	4.4	34.3	33.0
1955	53.0	55.1	38.8	36.9	38.9	41.7	41.4	38.4	31.0	25.2	18.0	5.1	36.4	35.1
1956	54.1	55.8	38.6	37.2	40.1	43.3	43.3	41.6	32.4	27.3	19.7	5.5	37.5	36.2
1957	52.8	56.2	38.6	37.5	40.1	43.8	44.4	42.6	34.4	27.0	19.6	5.7	37.7	36.4
1958	46.4	54.9	37.4	36.3	39.2	43.7	43.9	43.2	34.6	27.3	18.5	5.6	36.7	35.5
1959	48.1	56.0	39.2	36.6	40.6	44.7	45.3	44.8	36.3	27.5	17.8	5.7	37.6	36.4
1960	46.8	55.5	39.8	37.2	41.3	45.2	45.8	43.3	37.4	28.9	17.3	6.0	37.8	36.5
1961	44.0	55.2	39.9	36.5	40.8	45.1	46.2	43.5	38.7	28.9	17.3	5.8	37.6	36.3
1962	44.4	57.3	40.8	37.1	41.5	45.6	46.9	44.6	39.5	29.9	17.1	5.8	38.3	37.1
1963	41.9	57.8	41.6	37.2	41.7	45.3	47.8	45.2	40.4	30.7	17.5	5.7	38.4	37.2
1964	42.9	58.1	42.3	38.8	41.6	46.4	47.8	46.0	41.1	32.7	17.8	5.6	39.1	37.9
1965	48.0	60.1	44.3	39.8	42.8	47.4	48.9	47.1	42.0	33.8	18.3	5.7	40.6	39.3
1966	52.3	64.5	47.1	42.8	44.8	48.7	51.3	48.8	43.2	35.3	18.7	5.8	42.8	41.5
1967	53.1	66.8	49.9	44.3	46.3	49.6	52.1	49.6	44.3	35.9	20.1	5.9	44.1	42.8
1968	55.9	68.7	50.5	45.9	47.1	50.3	51.9	50.9	44.4	36.6	20.7	6.0	45.0	43.8
1969	59.4	71.0	52.1	46.8	49.2	51.2	52.8	51.3	45.5	37.1	21.0	5.8	46.3	45.0
1970	57.9	70.9	53.1	47.8	49.3	51.3	52.7	51.0	46.1	37.1	21.5	5.8	46.4	45.1
1971	57.0	69.4	54.2	47.3	49.3	50.6	51.5	50.9	45.8	36.2	20.8	5.6	45.9	44.7
1972	61.0	71.2	57.2	49.9	50.3	51.6	52.1	50.5	46.3	35.8	19.8	5.5	47.1	46.0
1973	66.9	74.0	59.7	51.7	52.9	52.6	52.7	50.2	47.3	35.2	19.3	5.5	48.7	47.6
1974	66.5	75.0	62.2	52.9	54.1	53.9	53.1	50.6	46.8	35.4	18.5	5.3	49.3	48.3
1975	62.0	73.3	62.3	52.5	54.4	53.7	52.6	49.8	45.5	34.9	17.4	5.0	48.3	47.4
1976	64.0	74.3	63.8	55.7	56.2	55.1	53.3	49.6	46.1	34.8	16.9	4.9	49.3	48.5
1977	66.9	75.9	65.6	58.8	59.0	56.4	54.5	50.5	46.2	34.8	16.7	4.9	50.7	49.9
1978	71.5	78.2	68.8	61.5	61.3	59.5	55.8	51.7	46.2	35.5	17.1	4.8	52.6	51.9
1979	71.5	78.4	70.6	64.1	62.4	60.9	57.3	52.2	47.3	35.8	17.6	4.9	53.4	52.8
1980	67.4	77.0	70.6	65.2	62.9	62.1	57.8	52.8	47.4	35.9	18.1	5.0	53.2	52.7
1981	64.8	76.1	70.6	64.9	64.5	62.7	58.7	52.9	47.0	36.2	17.7	4.8	53.0	52.6
1982	58.6	74.1	69.6	64.3	64.8	64.1	58.8	53.4	47.0	36.1	17.6	4.8	52.1	51.9
1983	59.5	73.3	69.3	66.2	63.2	64.0	60.2	53.8	47.1	35.5	17.6	4.7	52.1	52.0
1984	64.3	77.5	71.6	68.9	62.7	64.0	62.0	57.3	49.8	36.7	18.2	4.8	54.0	53.9
1985	66.5	77.9	70.6	68.2	62.5	64.2	63.2	59.6	51.2	37.4	17.9	4.8	54.3	54.2
Total														
1947	58.1	63.3	52.7	50.3	48.0	46.3	42.0	39.0	36.3	30.4	21.7	7.6	44.7	42.7
1948	57.1	62.4	51.6	50.4	47.3	46.8	41.9	39.4	35.4	31.1	21.3	7.4	44.2	42.3
1949	48.6	57.5	49.8	47.6	45.9	45.5	42.1	37.5	33.9	29.4	20.5	6.8	41.6	40.0
1950	51.7	59.0	50.7	48.4	46.6	46.7	42.6	39.7	34.2	29.4	19.7	6.7	42.4	40.9

Table A6.—OASDI Covered Worker Rates by Alternative, Sex, Calendar Year and Age Group—Continued
[In percent]

Year	Age Group												Total (16+)	Age- Sex Adjusted
	16-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70+		
Past Experience: (Cont.)														
Total (Cont.)														
1951	61.4	61.8	56.7	55.6	55.3	56.1	54.0	49.1	44.0	40.9	31.3	10.2	50.3	48.6
1952	64.3	61.1	58.0	56.7	55.9	57.3	55.0	52.1	44.0	42.7	32.0	11.2	51.3	49.7
1953	64.8	62.0	58.3	57.2	57.5	58.2	56.6	52.9	46.1	42.2	32.3	11.3	51.9	50.5
1954	56.2	60.7	56.1	56.3	55.9	58.0	56.1	53.8	45.7	40.9	31.0	11.5	50.4	49.0
1955	59.5	62.6	58.2	58.4	58.8	62.1	60.8	58.9	52.4	46.4	37.1	13.6	53.9	52.3
1956	61.2	65.4	58.3	58.9	60.1	63.9	62.6	62.3	53.5	48.9	39.3	14.2	55.4	53.8
1957	63.4	74.7	61.7	61.3	62.0	64.3	63.5	63.4	55.3	48.0	36.5	13.6	57.2	56.0
1958	56.1	73.5	60.9	60.3	61.1	64.3	62.9	63.3	55.3	48.3	34.2	12.9	55.9	54.8
1959	58.0	74.5	62.8	60.6	62.5	64.6	64.4	64.8	56.5	48.0	32.2	12.6	56.7	55.6
1960	55.2	73.1	63.8	61.9	63.6	65.7	65.6	62.6	57.9	49.7	30.9	12.5	56.8	55.9
1961	53.4	72.6	64.1	61.2	62.6	65.6	65.7	62.2	58.9	49.0	30.1	11.9	56.2	55.5
1962	54.4	74.5	64.9	61.5	63.0	65.8	65.8	62.9	59.1	49.8	29.1	11.8	56.7	56.0
1963	52.2	74.4	65.9	61.3	63.2	65.0	66.6	63.4	59.5	50.1	29.1	11.3	56.6	56.0
1964	54.0	74.8	66.5	62.4	62.9	65.7	66.0	64.3	59.8	51.5	29.3	11.0	57.0	56.5
1965	60.2	75.9	67.9	63.5	64.3	66.1	66.9	65.4	60.6	52.9	30.3	11.1	58.5	57.9
1966	64.6	80.1	69.5	65.7	65.4	66.6	68.4	66.9	61.1	54.1	31.0	11.3	60.3	59.7
1967	65.3	80.6	71.8	66.9	66.1	67.3	68.9	67.0	62.0	54.6	32.6	11.2	61.1	60.5
1968	67.8	81.9	71.8	68.1	66.3	67.5	68.0	67.8	61.7	54.8	33.6	11.4	61.7	61.1
1969	71.2	83.4	72.4	68.8	67.7	67.7	68.6	67.2	62.8	54.8	33.4	11.0	62.6	61.9
1970	68.4	82.8	72.9	69.0	68.2	67.7	67.9	66.2	63.0	54.1	33.1	10.8	62.1	61.6
1971	66.7	80.7	73.4	68.3	68.2	66.8	66.6	65.5	62.6	52.2	31.6	10.4	61.2	60.7
1972	70.1	81.5	75.1	70.3	69.0	67.1	67.1	65.3	62.4	51.5	30.5	10.1	62.0	61.5
1973	75.8	83.4	76.2	71.4	70.9	67.5	67.6	64.6	63.5	50.5	29.5	10.1	63.2	62.6
1974	74.4	83.7	77.3	71.2	71.5	68.2	67.1	64.9	62.0	50.4	27.9	9.7	63.1	62.5
1975	68.5	81.1	76.0	69.7	70.7	67.8	66.3	63.6	60.3	49.3	26.2	9.2	61.3	60.9
1976	69.6	82.0	76.1	71.9	71.5	68.7	66.2	62.9	60.0	48.8	25.2	9.0	61.7	61.3
1977	72.3	82.7	77.0	73.8	73.5	69.7	66.5	63.4	59.7	48.0	24.8	8.9	62.5	62.2
1978	77.2	84.4	79.5	75.6	75.4	72.2	67.6	64.6	59.6	49.0	25.3	9.0	64.2	63.8
1979	76.2	84.0	80.3	76.9	75.3	72.9	68.4	64.3	60.1	48.4	25.6	9.1	64.4	64.1
1980	71.0	82.5	79.8	76.8	74.8	73.1	68.8	64.4	59.6	47.9	26.0	8.9	63.6	63.3
1981	68.1	81.1	79.3	75.7	75.9	73.0	69.5	63.8	58.7	47.6	25.1	8.5	62.9	62.7
1982	61.4	79.0	77.9	74.5	75.7	74.1	69.3	63.7	58.7	47.1	24.0	8.3	61.6	61.5
1983	61.4	78.7	77.2	75.4	74.0	74.0	70.0	63.6	58.2	45.9	23.4	8.0	61.3	61.2
1984	66.5	83.2	79.6	77.7	73.9	74.3	72.0	67.7	61.4	47.5	24.3	8.2	63.5	63.4
1985	69.3	84.5	80.4	78.6	74.6	74.8	73.5	69.5	62.5	48.0	24.0	7.9	64.4	64.3
Alternative I:														
Male														
1986	70.6	92.6	91.5	90.0	86.4	85.4	83.7	79.6	74.1	58.4	30.7	13.7	75.4	75.4
1987	70.9	92.3	90.8	89.0	86.9	85.6	83.4	79.3	74.1	57.7	30.6	13.7	75.0	75.1
1988	72.6	92.2	90.6	88.8	87.0	85.6	83.6	79.5	73.8	56.9	31.0	13.9	75.0	75.2
1989	74.9	93.0	91.0	89.1	87.2	85.4	83.5	79.8	73.5	56.1	30.7	13.7	75.3	75.5
1990	76.3	93.6	91.7	89.5	87.5	85.3	83.6	80.0	73.4	55.5	30.4	13.6	75.5	75.8
1991	77.3	94.4	92.6	90.1	87.9	85.4	83.8	80.3	73.3	55.0	30.2	13.6	75.8	76.2
1992	77.8	94.8	93.2	90.4	88.1	85.4	83.8	80.4	73.1	54.7	30.0	13.5	75.9	76.4
1993	77.8	94.8	93.6	90.6	88.4	85.4	83.7	80.3	72.8	54.7	29.7	13.5	75.8	76.4
1994	77.5	94.7	93.8	90.7	88.5	85.4	83.5	80.0	72.5	54.6	29.3	13.4	75.7	76.4
1995	77.5	94.8	93.9	90.9	88.7	85.5	83.4	79.8	72.3	54.5	29.1	13.3	75.6	76.4
1996	77.4	94.7	93.9	91.1	88.7	85.4	83.3	79.4	71.9	54.4	28.8	13.2	75.4	76.3
1997	77.8	94.8	94.0	91.3	88.8	85.4	83.2	79.5	71.8	54.3	28.5	12.9	75.4	76.3
1998	77.6	94.6	93.9	91.5	88.8	85.3	83.0	79.3	71.6	54.3	28.3	12.6	75.2	76.2
1999	77.4	94.4	93.9	91.5	88.9	85.3	82.8	79.0	71.4	54.1	27.8	12.4	75.0	76.1
2000	77.3	94.2	93.9	91.6	89.0	85.3	82.7	78.8	71.2	54.2	27.6	12.2	74.8	76.0
2005	77.2	93.8	93.9	91.4	89.3	85.1	82.3	78.1	70.6	54.6	26.3	11.1	74.0	75.7
2010	77.2	93.8	93.8	91.3	89.2	85.3	82.1	77.8	69.9	53.8	24.9	10.3	72.8	75.5
2015	77.3	94.0	94.3	91.4	89.4	85.6	82.7	77.8	69.6	53.5	24.2	10.2	71.5	75.6
2020	77.3	94.0	94.4	91.4	89.1	85.5	82.7	78.0	69.1	53.3	23.7	10.6	69.9	75.5
2025	77.3	94.0	94.4	91.4	89.1	85.2	82.6	78.1	69.3	53.4	22.7	10.3	68.6	75.5
2030	77.3	93.9	94.4	91.5	89.1	85.2	82.4	78.2	69.4	53.4	22.2	10.2	68.0	75.4
2035	77.3	93.9	94.4	91.5	89.2	85.2	82.3	78.0	69.5	53.5	22.6	10.2	68.2	75.5
2040	77.3	93.9	94.3	91.4	89.2	85.3	82.4	77.9	69.2	53.8	22.5	9.5	68.6	75.4
2045	77.3	93.9	94.3	91.3	89.1	85.3	82.5	78.0	69.2	53.5	22.3	9.0	68.9	75.3
2050	77.3	93.9	94.3	91.4	89.0	85.2	82.5	78.1	69.2	53.5	22.2	9.1	69.2	75.3
2055	77.3	93.9	94.4	91.4	89.1	85.2	82.4	78.1	69.3	53.5	22.3	9.4	69.5	75.4
2060	77.3	93.9	94.4	91.4	89.1	85.2	82.3	78.0	69.4	53.5	22.3	9.6	69.6	75.4
2065	77.3	93.9	94.4	91.4	89.2	85.3	82.4	78.0	69.3	53.6	22.4	9.5	69.7	75.4
Female														
1986	67.9	78.6	71.0	69.6	63.2	65.7	64.9	60.5	51.9	37.7	18.0	4.8	55.0	55.0
1987	68.1	79.8	72.1	70.5	64.5	67.0	65.8	61.3	51.5	37.3	17.8	4.8	55.5	55.6
1988	69.7	81.2	73.6	71.7	66.0	68.3	67.0	62.5	51.4	36.8	17.6	4.8	56.3	56.5
1989	71.7	82.7	75.2	72.9	67.4	69.6	68.2	63.8	51.8	36.6	17.3	4.7	57.2	57.5
1990	72.8	83.9	76.5	74.0	68.7	70.8	69.3	65.1	52.3	36.4	17.1	4.7	57.9	58.4
1991	73.6	85.2	77.7	75.2	70.1	72.1	70.4	66.2	52.8	36.3	17.0	4.7	58.7	59.2
1992	74.1	86.0	78.6	76.1	71.2	73.0	71.2	67.0	53.3	36.3	16.8	4.7	59.2	59.8
1993	74.1	86.2	79.3	76.6	72.0	73.6	71.7	67.7	53.9	36.3	16.6	4.6	59.5	60.2
1994	74.0	86.3	79.8	76.8	72.7	74.2	71.8	68.2	54.3	36.3	16.4	4.6	59.7	60.5
1995	74.0	86.5	80.3	77.2	73.3	74.8	71.9	68.6	54.2	36.3	16.1	4.5	59.8	60.7
1996	74.0	86.7	80.7	77.4	73.8	75.2	71.9	68.9	54.0	36.3	15.9	4.5	59.9	60.8
1997	74.4	87.3	81.3	77.9	74.5	75.6	72.2	69.0	54.1	36.3	15.8	4.4	60.2	61.2
1998	74.4	87.3	81.6	78.0	75.0	76.0	72.3	69.0	54.1	36.2	15.6	4.3	60.2	61.3
1999	74.3	87.2	81.9	78.2	75.6	76.3	72.5	69.1	54.2	36.3	15.5	4.2	60.3	61.4
2000	74.4	87.3	82.2	78.4	76.1	76.6	72.7	69.1	54.2	36.4	15.3	4.0	60.4	61.5
2005	74.2	86.9	81.9	78.5	75.9	76.9	72.9	69.1	54.2	36.5	14.7	3.6	59.8	61.4
2010	74.1	86.5	81.6	78.2	75.7	76.8	73.0	69.2	54.3	36.2	14.1	3.2	58.6	61.2
2015	74.1	86.5	81.5	78.6	75.2	77.0	73.0	69.4	54.5	36.3	14.0	3.3	57.3	61.2
2020	74.0	86.4	81.5	78.8	75.5	77.0	73.1	69.4	54.6	36.6	13.9	3.4	55.8	61.3

Table A6.—OASDI Covered Worker Rates by Alternative, Sex, Calendar Year and Age Group—Continued
(In percent)

Year	Age Group												Total (16+)	Age-Sex Adjusted
	16-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70+		
Alternative I: (Cont.)														
Female (Cont.)														
2025.....	74.0	86.4	81.5	78.9	75.5	77.3	73.2	69.6	54.6	36.6	13.5	3.4	54.7	61.3
2030.....	74.0	86.4	81.4	78.9	75.6	77.3	73.4	69.9	54.8	36.5	13.6	3.6	54.2	61.4
2035.....	74.1	86.3	81.4	78.8	75.6	77.3	73.5	70.1	55.2	36.7	13.5	3.5	54.2	61.4
2040.....	74.1	86.3	81.4	78.8	75.5	77.3	73.5	70.1	55.5	37.3	13.7	3.2	54.5	61.4
2045.....	74.1	86.3	81.4	78.9	75.5	77.3	73.5	70.1	55.5	37.4	13.7	3.0	54.8	61.4
2050.....	74.1	86.3	81.4	78.8	75.5	77.3	73.5	70.1	55.4	37.4	13.8	3.0	55.2	61.4
2055.....	74.1	86.3	81.4	78.8	75.5	77.3	73.5	70.1	55.4	37.3	13.8	3.1	55.5	61.4
2060.....	74.1	86.3	81.4	78.8	75.5	77.3	73.5	70.1	55.4	37.3	13.8	3.2	55.8	61.4
2065.....	74.1	86.3	81.4	78.8	75.5	77.3	73.5	70.1	55.4	37.3	13.8	3.2	56.0	61.4
Total														
1986.....	69.3	85.7	81.4	79.9	75.1	75.3	74.3	69.9	62.7	47.4	23.8	8.2	64.9	64.9
1987.....	69.5	86.1	81.6	79.9	76.0	76.1	74.6	70.2	62.4	46.9	23.7	8.2	65.0	65.1
1988.....	71.2	86.8	82.2	80.4	76.8	76.8	75.3	70.9	62.3	46.3	23.7	8.2	65.4	65.6
1989.....	73.3	88.0	83.2	81.1	77.5	77.4	75.8	71.7	62.4	45.8	23.4	8.2	66.0	66.3
1990.....	74.6	88.9	84.2	81.9	78.3	78.1	76.3	72.5	62.5	45.5	23.2	8.1	66.5	66.9
1991.....	75.5	89.9	85.3	82.7	79.1	78.9	76.9	73.2	62.8	45.2	23.0	8.1	67.0	67.5
1992.....	76.0	90.5	86.0	83.3	79.8	79.4	77.3	73.6	62.9	45.1	22.8	8.1	67.3	67.9
1993.....	76.0	90.6	86.5	83.7	80.9	79.7	77.6	73.9	63.1	45.1	22.6	8.0	67.4	68.1
1994.....	75.8	90.6	86.9	83.8	80.7	79.9	77.5	74.0	63.2	45.0	22.3	8.0	67.4	68.1
1995.....	75.8	90.7	87.2	84.2	81.1	80.2	77.6	74.1	63.0	45.0	22.1	7.9	67.5	68.3
1996.....	75.7	90.8	87.4	84.4	81.4	80.4	77.7	74.0	62.7	44.9	21.8	7.8	67.5	68.4
1997.....	76.1	91.1	87.8	84.7	81.7	80.6	77.8	74.1	62.7	44.9	21.7	7.6	67.6	68.5
1998.....	76.0	91.0	87.9	84.8	82.0	80.7	77.8	74.0	62.7	44.9	21.5	7.5	67.5	68.5
1999.....	75.9	90.9	88.0	84.9	82.3	80.8	77.8	73.9	62.6	44.9	21.2	7.3	67.4	68.5
2000.....	75.9	90.8	88.1	85.1	82.6	81.0	77.8	73.9	62.4	44.9	21.0	7.1	67.4	68.6
2005.....	75.7	90.4	88.0	85.0	82.7	81.0	77.6	73.6	62.2	45.0	20.2	6.5	66.7	68.4
2010.....	75.7	90.2	87.8	84.9	82.5	81.1	77.6	73.5	62.1	44.7	19.1	5.9	66.6	68.1
2015.....	75.7	90.3	88.0	85.1	82.4	81.4	77.8	73.6	62.0	44.8	18.8	6.0	64.2	68.2
2020.....	75.7	90.3	88.0	85.2	82.4	81.3	77.9	73.7	61.8	44.7	18.6	6.2	62.7	68.2
2025.....	75.7	90.2	88.0	85.2	82.4	81.3	78.0	73.9	61.8	44.8	17.9	6.2	61.4	68.2
2030.....	75.7	90.2	88.0	85.3	82.4	81.3	77.9	74.1	62.0	44.8	17.7	6.3	60.9	68.2
2035.....	75.7	90.2	88.0	85.3	82.5	81.3	77.9	74.0	62.3	44.9	17.8	6.2	61.0	68.2
2040.....	75.7	90.2	88.0	85.2	82.4	81.4	78.0	74.0	62.3	45.3	17.9	5.7	61.3	68.2
2045.....	75.7	90.2	88.0	85.2	82.4	81.4	78.0	74.0	62.3	45.3	17.8	5.4	61.6	68.2
2050.....	75.7	90.2	88.0	85.2	82.4	81.3	78.0	74.1	62.2	45.3	17.8	5.4	62.0	68.2
2055.....	75.7	90.2	88.0	85.2	82.4	81.3	78.0	74.1	62.3	45.2	17.9	5.6	62.3	68.2
2060.....	75.7	90.2	88.0	85.2	82.4	81.3	77.9	74.1	62.3	45.2	17.9	5.8	62.5	68.2
2065.....	75.7	90.2	88.0	85.2	82.4	81.3	77.9	74.1	62.3	45.3	17.9	5.7	62.6	68.2
Alternative II-A:														
Male														
1986.....	70.6	92.6	91.5	90.0	86.4	85.4	83.7	79.6	74.1	58.4	30.7	13.7	75.4	75.4
1987.....	70.7	92.2	90.8	89.1	87.0	85.8	83.5	79.3	74.1	57.9	30.7	13.7	75.1	75.2
1988.....	71.9	92.0	90.5	88.8	87.1	85.8	83.6	79.5	73.9	57.1	31.1	13.9	75.0	75.2
1989.....	74.0	92.7	90.9	89.1	87.3	85.6	83.6	79.7	73.6	56.3	30.7	13.8	75.2	75.4
1990.....	75.3	93.3	91.7	89.5	87.7	85.6	83.7	79.9	73.5	55.7	30.5	13.7	75.4	75.8
1991.....	76.0	94.0	92.5	90.1	88.1	85.8	83.9	80.2	73.4	55.4	30.3	13.6	75.7	76.1
1992.....	76.3	94.3	93.1	90.4	88.5	85.9	84.0	80.2	73.1	55.3	30.0	13.6	75.7	76.3
1993.....	76.2	94.4	93.5	90.6	88.8	85.9	83.9	80.1	72.9	55.3	29.8	13.5	75.7	76.4
1994.....	76.0	94.3	93.9	90.8	88.9	85.9	83.8	79.9	72.6	55.2	29.4	13.3	75.5	76.4
1995.....	76.0	94.4	94.0	91.1	89.2	86.1	83.7	79.8	72.4	55.2	29.1	13.3	75.5	76.4
1996.....	76.0	94.4	94.0	91.4	89.3	86.1	83.6	79.5	72.1	55.1	28.8	13.1	75.3	76.4
1997.....	76.2	94.4	94.0	91.5	89.3	86.0	83.4	79.4	71.9	54.9	28.5	12.8	75.1	76.3
1998.....	76.0	94.2	93.9	91.6	89.3	85.9	83.2	79.1	71.6	54.8	28.3	12.6	74.9	76.2
1999.....	75.9	94.0	93.8	91.6	89.3	85.8	83.0	78.8	71.3	54.6	28.1	12.3	74.6	76.0
2000.....	75.8	93.7	93.7	91.7	89.3	85.7	82.8	78.5	71.1	54.5	27.9	12.1	74.4	75.9
2005.....	75.4	93.1	93.3	91.2	89.4	85.3	82.2	77.6	70.2	54.5	26.5	10.9	73.2	75.4
2010.....	75.4	93.0	93.0	91.1	89.4	85.6	82.1	77.3	69.5	54.0	24.9	10.1	71.8	75.1
2015.....	75.4	93.3	93.3	91.1	89.7	86.0	82.8	77.4	69.3	53.3	24.3	10.2	70.3	75.2
2020.....	75.4	93.3	93.3	91.0	89.3	86.0	83.0	77.8	69.0	53.4	23.6	10.4	68.4	75.2
2025.....	75.4	93.3	93.4	91.0	89.3	85.7	83.0	77.9	69.2	53.4	22.3	10.2	66.7	75.1
2030.....	75.4	93.2	93.4	91.2	89.3	85.6	82.7	78.1	69.4	53.4	22.3	10.4	65.7	75.1
2035.....	75.4	93.2	93.4	91.2	89.4	85.7	82.7	77.8	69.7	53.4	22.3	10.0	65.4	75.1
2040.....	75.4	93.2	93.3	91.1	89.5	85.8	82.7	77.7	69.4	53.9	22.4	9.2	65.4	75.1
2045.....	75.4	93.3	93.3	91.0	89.4	85.8	82.8	77.7	69.2	53.6	22.5	8.9	65.4	75.0
2050.....	75.4	93.3	93.3	91.0	89.3	85.8	82.8	77.8	69.2	53.4	22.1	8.7	65.3	75.0
2055.....	75.4	93.3	93.4	91.1	89.3	85.7	82.8	77.9	69.3	53.3	22.1	9.0	65.2	75.0
2060.....	75.4	93.2	93.4	91.1	89.4	85.7	82.7	77.8	69.4	53.4	22.1	9.2	65.2	75.0
2065.....	75.4	93.2	93.3	91.1	89.4	85.7	82.7	77.7	69.3	53.4	22.2	9.0	65.1	75.0
Female														
1986.....	67.9	78.6	71.0	69.6	63.2	65.7	64.9	60.5	51.9	37.7	18.0	4.8	55.0	55.0
1987.....	67.8	79.5	71.9	70.4	64.4	66.9	65.7	61.2	51.5	37.3	17.8	4.8	55.4	55.5
1988.....	69.2	80.7	73.2	71.4	65.8	68.1	66.8	62.4	51.5	36.9	17.6	4.8	56.1	56.3
1989.....	71.0	82.1	74.8	72.5	67.2	69.4	67.9	63.7	51.9	36.6	17.3	4.7	56.9	57.3
1990.....	72.0	83.2	76.1	73.6	68.5	70.6	69.0	65.0	52.4	36.5	17.1	4.7	57.6	58.1
1991.....	72.6	84.3	77.2	74.8	69.9	71.9	70.1	66.1	52.9	36.5	17.0	4.7	58.3	58.9
1992.....	72.9	84.9	78.1	75.6	70.9	72.7	70.8	66.9	53.4	36.5	16.8	4.6	58.7	59.5
1993.....	73.0	85.2	78.8	76.2	71.8	73.4	71.4	67.5	54.1	36.6	16.6	4.6	59.0	59.9
1994.....	72.9	85.3	79.4	76.5	72.5	74.0	71.7	68.0	54.5	36.6	16.4	4.5	59.2	60.2
1995.....	72.9	85.7	79.9	76.9	73.2	74.6	71.8	68.5	54.6	36.6	16.2	4.5	59.4	60.4
1996.....	72.9	85.9	80.4	77.2	73.8	75.1	71.8	68.8	54.4	36.6	15.9	4.4	59.5	60.6
1997.....	73.1	86.2	80.8	77.4	74.3	75.4	71.9	68.7	54.3	36.4	15.8	4.3	59.6	60.8
1998.....	73.1	86.2	81.0	77.5	74.7	75.5	71.8	68.5	54.2	36.3	15.7	4.2	59.5	60.8
1999.....	73.0	86.2	81.2	77.5	75.1	75.7	71.8	68.4	54.0	36.2	15.4	4.2	59.4	60.8
2000.....	73.0	86.3	81.4	77.6	75.5	75.9	71.9	68.2	53.8	36.1	15.3	4.1	59.4	60.9
2005.....	72.7	85.7	80.8	77.3	75.1	75.8	71.6	67.7	53.3	35.7	14.5	3.5	58.3	60.5
2010.....	72.5	85.4	80.5	77.3	75.0	75.5	71.5	67.5	53.1	35.2	13.7	3.1	56.8	60.1
2015.....	72.6	85.4	80.4	77.0	74.6	75.6	71.3	67.4	52.9	34.8	1			

Table A6.—OASDI Covered Worker Rates by Alternative, Sex, Calendar Year and Age Group—Continued
[In percent]

Year	Age Group												Total (16+)	Age-Sex Adjusted
	16-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70+		
Alternative II-A: (Cont.)														
Female (Cont.)														
2020	72.6	85.4	80.4	77.0	74.7	75.5	71.3	67.1	52.7	34.7	13.4	3.4	53.3	60.0
2025	72.6	85.4	80.3	77.0	74.7	75.5	71.2	67.1	52.3	34.4	12.6	3.2	51.7	59.9
2030	72.5	85.4	80.3	77.0	74.7	75.5	71.3	67.3	52.2	33.9	12.3	3.4	50.6	59.9
2035	72.5	85.3	80.3	77.0	74.7	75.5	71.3	67.3	52.5	33.8	12.2	3.3	50.2	59.9
2040	72.6	85.3	80.3	77.0	74.6	75.5	71.2	67.3	52.6	34.2	12.1	2.9	49.9	59.9
2045	72.6	85.3	80.3	77.0	74.6	75.5	71.2	67.2	52.4	34.2	12.1	2.7	49.8	59.8
2050	72.6	85.4	80.3	77.0	74.7	75.5	71.2	67.1	52.3	34.0	12.1	2.7	49.7	59.8
2055	72.5	85.3	80.3	77.0	74.7	75.5	71.2	67.2	52.2	33.8	12.1	2.8	49.7	59.8
2060	72.5	85.3	80.3	77.0	74.7	75.5	71.2	67.2	52.3	33.8	12.0	2.9	49.8	59.8
2065	72.5	85.3	80.3	77.0	74.6	75.5	71.2	67.2	52.3	33.8	12.0	2.8	49.7	59.8
Total														
1986	69.3	85.7	81.4	79.9	75.1	75.3	74.3	69.9	62.7	47.4	23.8	8.2	64.9	64.9
1987	69.3	86.0	81.5	79.9	76.0	76.1	74.6	70.1	62.5	47.0	23.7	8.2	65.0	65.1
1988	70.6	86.5	82.0	80.2	76.8	76.8	75.2	70.8	62.3	46.4	23.8	8.3	65.3	65.5
1989	72.5	87.5	83.0	81.0	77.5	77.4	75.7	71.6	62.4	45.9	23.4	8.2	65.8	66.1
1990	73.7	88.4	84.0	81.7	78.3	78.2	76.2	72.4	62.6	45.6	23.2	8.1	66.3	66.7
1991	74.3	89.3	85.0	82.6	79.1	79.0	76.8	73.1	62.9	45.5	23.0	8.1	66.8	67.3
1992	74.6	89.7	85.7	83.1	79.8	79.5	77.2	73.5	63.0	45.5	22.8	8.1	67.0	67.6
1993	74.6	89.9	86.3	83.5	80.4	79.8	77.5	73.8	63.2	45.5	22.6	8.0	67.1	67.9
1994	74.5	89.9	86.7	83.7	80.8	80.1	77.6	73.9	63.4	45.5	22.4	7.9	67.2	68.0
1995	74.5	90.1	87.1	84.1	81.3	80.5	77.7	74.0	63.3	45.5	22.1	7.9	67.2	68.2
1996	74.5	90.2	87.3	84.4	81.6	80.6	77.8	73.9	63.1	45.4	21.9	7.8	67.2	68.3
1997	74.7	90.4	87.5	84.6	81.9	80.7	77.8	73.9	62.9	45.3	21.7	7.8	67.1	68.3
1998	74.6	90.3	87.5	84.6	82.1	80.8	77.6	73.6	62.7	45.2	21.5	7.5	67.0	68.3
1999	74.5	90.2	87.6	84.7	82.3	80.8	77.5	73.4	62.5	45.0	21.3	7.3	66.8	68.2
2000	74.4	90.1	87.7	84.7	82.5	80.8	77.4	73.3	62.1	45.0	21.2	7.2	66.7	68.2
2005	74.1	89.5	87.2	84.4	82.4	80.6	76.9	72.7	61.6	44.6	20.1	6.3	65.6	67.7
2010	74.0	89.3	86.9	84.1	82.3	80.6	76.8	72.4	61.3	44.3	18.9	5.8	64.1	67.4
2015	74.0	89.4	87.0	84.2	82.2	80.8	77.1	72.4	61.1	43.9	18.6	5.9	62.5	67.4
2020	74.0	89.4	87.0	84.1	82.1	80.8	77.2	72.5	60.8	43.9	18.3	6.2	60.7	67.4
2025	74.0	89.4	87.0	84.1	82.1	80.7	77.2	72.5	60.7	43.7	17.3	6.1	59.0	67.3
2030	74.0	89.4	87.0	84.2	82.1	80.6	77.1	72.7	60.8	43.5	17.1	6.3	58.0	67.3
2035	74.0	89.4	87.0	84.2	82.2	80.7	77.0	72.6	61.0	43.5	17.1	6.0	57.5	67.3
2040	74.0	89.4	86.9	84.2	82.2	80.7	77.0	72.5	60.9	43.9	17.1	5.5	57.4	67.2
2045	74.0	89.4	86.9	84.1	82.1	80.7	77.1	72.5	60.8	43.8	17.2	5.2	57.3	67.2
2050	74.0	89.4	86.9	84.1	82.1	80.7	77.1	72.5	60.7	43.6	17.0	5.1	57.2	67.2
2055	74.0	89.4	86.9	84.1	82.1	80.6	77.1	72.6	60.7	43.4	16.9	5.3	57.2	67.2
2060	74.0	89.4	86.9	84.2	82.1	80.6	77.0	72.5	60.8	43.4	16.9	5.4	57.2	67.2
2065	74.0	89.4	86.9	84.2	82.1	80.7	77.0	72.5	60.8	43.5	16.9	5.3	57.2	67.2
Alternative II-B:														
Male														
1986	70.6	92.6	91.5	90.0	86.4	85.4	83.7	79.6	74.1	58.4	30.7	13.7	75.4	75.4
1987	70.0	91.7	90.5	88.8	86.8	85.6	83.2	79.0	73.9	57.8	30.6	13.7	74.8	74.9
1988	70.6	91.2	90.0	88.3	86.8	85.6	83.2	78.9	73.5	57.0	31.1	13.9	74.5	74.7
1989	72.1	91.6	90.2	88.5	87.0	85.4	83.1	79.0	73.1	56.2	30.6	13.8	74.6	74.8
1990	73.0	92.0	90.8	88.8	87.3	85.4	83.2	79.1	72.9	55.7	30.3	13.6	74.7	75.0
1991	73.5	92.6	91.6	89.3	87.7	85.6	83.3	79.3	72.8	55.6	30.1	13.6	74.9	75.3
1992	74.0	93.0	92.2	89.6	88.0	85.6	83.4	79.4	72.5	55.4	29.8	13.5	75.0	75.5
1993	74.0	93.1	92.7	89.9	88.4	85.7	83.4	79.3	72.4	55.4	29.5	13.4	75.0	75.7
1994	73.8	93.1	93.1	90.0	88.6	85.7	83.2	79.1	72.1	55.3	29.2	13.3	74.9	75.7
1995	73.8	93.2	93.2	90.4	88.8	85.8	83.2	79.0	71.9	55.3	28.8	13.2	74.8	75.7
1996	73.8	93.1	93.2	90.6	88.9	85.9	83.1	78.7	71.5	55.2	28.5	13.0	74.7	75.7
1997	73.9	93.1	93.1	90.8	88.9	85.8	82.9	78.5	71.3	54.8	28.3	12.8	74.5	75.6
1998	73.9	93.0	93.1	90.9	88.9	85.7	82.7	78.2	71.1	54.6	28.1	12.6	74.2	75.5
1999	73.9	92.9	93.1	91.0	89.0	85.6	82.5	78.0	70.8	54.5	27.9	12.3	74.0	75.4
2000	73.8	92.7	93.1	91.1	89.1	85.5	82.3	77.7	70.5	54.4	27.6	12.1	73.8	75.3
2005	73.7	92.4	93.0	90.8	89.4	85.4	81.9	76.9	69.8	54.7	26.3	10.9	72.8	75.0
2010	73.7	92.4	92.7	90.8	89.4	85.7	81.9	76.7	69.2	54.0	24.9	10.1	71.5	74.8
2015	73.7	92.6	93.0	90.8	89.7	86.1	82.6	76.8	69.0	53.6	24.4	10.3	70.0	74.9
2020	73.7	92.6	93.0	90.7	89.4	86.1	82.7	77.2	68.7	53.4	23.9	10.4	68.1	74.8
2025	73.7	92.6	93.1	90.7	89.3	85.8	82.8	77.4	68.9	53.4	22.6	10.5	66.4	74.8
2030	73.7	92.5	93.1	90.9	89.3	85.8	82.5	77.5	69.1	53.5	22.3	10.4	65.4	74.8
2035	73.7	92.5	93.0	90.9	89.5	85.8	82.4	77.2	69.3	53.4	22.5	10.0	65.1	74.8
2040	73.7	92.5	93.0	90.8	89.5	85.9	82.5	77.2	69.0	53.9	22.5	9.2	65.1	74.7
2045	73.7	92.5	93.0	90.7	89.4	85.9	82.6	77.2	68.9	53.6	22.5	8.9	65.1	74.6
2050	73.7	92.5	93.0	90.7	89.3	85.9	82.6	77.3	68.9	53.4	22.4	9.0	65.1	74.6
2055	73.7	92.5	93.0	90.8	89.3	85.8	82.5	77.3	69.0	53.3	22.3	9.1	65.0	74.6
2060	73.7	92.5	93.0	90.8	89.4	85.8	82.4	77.2	69.0	53.4	22.3	9.2	64.9	74.7
2065	73.7	92.5	93.0	90.8	89.4	85.8	82.5	77.2	69.0	53.4	22.3	9.0	64.9	74.6
Female														
1986	67.9	78.6	71.0	69.6	63.2	65.7	64.9	60.5	51.9	37.7	18.0	4.8	55.0	55.0
1987	67.7	79.4	71.9	70.4	64.5	67.0	65.8	61.3	51.7	37.5	17.8	4.8	55.4	55.5
1988	68.6	80.1	72.9	71.3	65.7	68.1	66.7	62.4	51.7	37.1	17.6	4.8	55.9	56.2
1989	69.9	81.1	74.2	72.2	66.9	69.2	67.6	63.6	52.1	36.9	17.3	4.7	56.6	56.9
1990	70.6	82.0	75.4	73.1	68.2	70.3	68.6	64.8	52.6	36.8	17.1	4.7	57.2	57.7
1991	71.1	83.1	76.5	74.2	69.5	71.5	69.6	65.8	53.1	36.7	16.9	4.7	57.9	58.4
1992	71.7	83.8	77.5	75.1	70.6	72.4	70.4	66.6	53.6	36.7	16.7	4.6	58.3	59.0
1993	71.7	84.1	78.2	75.7	71.5	73.1	71.0	67.3	54.2	36.8	16.6	4.6	58.7	59.5
1994	71.6	84.3	78.8	76.1	72.2	73.7	71.4	67.8	54.7	36.7	16.4	4.5	58.9	59.8
1995	71.7	84.6	79.3	76.5	72.9	74.3	71.5	68.3	54.8	36.8	16.1	4.5	59.1	60.1
1996	71.7	84.8	79.8	76.7	73.5	74.8	71.5	68.5	54.7	36.8	15.9	4.4	59.2	60.2
1997	71.8	85.0	80.1	76.9	73.9	74.9	71.5	68.3	54.5	36.6	15.8	4.3	59.1	60.3
1998	71.7	85.1	80.3	76.9	74.2	75.0	71.4	68.1	54.3	36.5	15.6	4.3	59.1	60.3
1999	71.7	85.2	80.5	77.0	74.6	75.2	71.3	67.8	54.0	36.2	15.4	4.2	59.0	60.4
2000	71.7	85.2	80.7	77.0	75.0	75.3	71.3	67.6	53.8	36.1	15.3	4.1	58.9	60.4
2005	71.5	84.9	80.3											

Table A6.—OASDI Covered Worker Rates by Alternative, Sex, Calendar Year and Age Group —Continued
[In percent]

Year	Age Group												Total (16+)	Age- Sex Adjusted
	16-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70+		
Alternative II-B: (Cont.) Female (Cont.)														
2015.....	71.4	84.6	79.9	76.6	74.2	75.2	70.9	66.9	53.0	35.0	13.5	3.2	54.8	59.7
2020.....	71.4	84.6	79.9	76.6	74.4	75.1	70.9	66.7	52.7	34.8	13.5	3.4	53.0	59.7
2025.....	71.4	84.6	79.9	76.6	74.4	75.1	70.8	66.6	52.3	34.5	12.8	3.4	51.4	59.6
2030.....	71.4	84.6	79.8	76.6	74.4	75.1	70.9	66.8	52.3	34.1	12.5	3.4	50.4	59.5
2035.....	71.4	84.6	79.8	76.6	74.3	75.1	70.9	66.8	52.5	34.0	12.3	3.3	49.9	59.5
2040.....	71.4	84.5	79.8	76.6	74.3	75.1	70.8	66.7	52.6	34.3	12.3	3.0	49.6	59.5
2045.....	71.4	84.6	79.8	76.6	74.3	75.1	70.8	66.7	52.5	34.3	12.3	2.8	49.5	59.5
2050.....	71.4	84.6	79.8	76.6	74.3	75.1	70.8	66.6	52.3	34.2	12.4	2.8	49.4	59.4
2055.....	71.4	84.6	79.8	76.6	74.3	75.1	70.8	66.7	52.3	34.0	12.2	2.8	49.4	59.4
2060.....	71.4	84.5	79.8	76.6	74.3	75.0	70.8	66.7	52.4	33.9	12.2	2.9	49.5	59.4
2065.....	71.4	84.5	79.8	76.6	74.3	75.0	70.8	66.7	52.4	33.9	12.1	2.8	49.5	59.4
Total														
1986.....	69.3	85.7	81.4	79.9	75.1	75.3	74.3	69.9	62.7	47.4	23.8	8.2	64.9	64.9
1987.....	68.9	85.7	81.4	79.7	76.0	76.1	74.5	70.0	62.5	47.0	23.7	8.2	64.8	64.9
1988.....	69.6	85.8	81.6	79.9	76.6	76.6	74.9	70.5	62.3	46.5	23.8	8.3	65.0	65.2
1989.....	71.0	86.4	82.3	80.4	77.3	77.2	75.3	71.2	62.3	46.0	23.4	8.2	65.3	65.6
1990.....	71.8	87.1	83.2	81.1	78.0	77.9	75.7	71.8	62.5	45.7	23.1	8.1	65.7	66.1
1991.....	72.3	87.9	84.2	81.9	78.7	78.7	76.3	72.5	62.7	45.7	22.9	8.1	66.2	66.7
1992.....	72.8	88.5	84.9	82.5	79.4	79.2	76.7	72.9	62.8	45.6	22.7	8.0	66.5	67.1
1993.....	72.9	88.7	85.5	82.9	80.0	79.6	77.0	73.2	63.0	45.6	22.5	8.0	66.6	67.3
1994.....	72.7	88.8	86.0	83.2	80.5	79.9	77.2	73.4	63.2	45.6	22.2	7.9	66.7	67.5
1995.....	72.8	89.0	86.4	83.5	80.9	80.2	77.3	73.5	63.1	45.6	22.0	7.8	66.7	67.7
1996.....	72.7	89.1	86.6	83.8	81.3	80.4	77.4	73.4	62.9	45.6	21.8	7.7	66.7	67.7
1997.....	72.8	89.1	86.7	83.9	81.5	80.4	77.3	73.2	62.7	45.3	21.6	7.6	66.6	67.7
1998.....	72.8	89.1	86.8	84.0	81.7	80.4	77.1	73.0	62.5	45.2	21.4	7.5	66.4	67.7
1999.....	72.8	89.1	86.9	84.1	81.9	80.4	77.0	72.8	62.2	45.0	21.2	7.3	66.3	67.7
2000.....	72.8	89.0	87.0	84.1	82.1	80.5	76.9	72.6	61.8	44.9	21.0	7.2	66.2	67.6
2005.....	72.6	88.7	86.7	84.0	82.1	80.4	76.6	72.1	61.4	44.8	20.1	6.4	65.2	67.3
2010.....	72.6	88.6	86.5	83.7	82.1	80.4	76.5	71.9	61.1	44.4	19.0	5.8	63.8	67.0
2015.....	72.6	88.7	86.6	83.8	82.1	80.7	76.8	71.9	60.9	44.2	18.7	6.0	62.2	67.1
2020.....	72.6	88.7	86.5	83.8	82.0	80.6	76.8	71.9	60.6	43.9	18.5	6.2	60.4	67.0
2025.....	72.6	88.7	86.6	83.8	81.9	80.5	76.8	72.0	60.5	43.7	17.6	6.3	58.7	67.0
2030.....	72.6	88.6	86.6	83.8	82.0	80.5	76.7	72.1	60.6	43.6	17.2	6.3	57.7	66.9
2035.....	72.6	88.6	86.6	83.9	82.0	80.5	76.7	72.0	60.9	43.6	17.2	6.1	57.3	66.9
2040.....	72.6	88.6	86.5	83.8	82.0	80.6	76.7	72.0	60.8	43.9	17.2	5.5	57.1	66.9
2045.....	72.6	88.6	86.5	83.8	81.9	80.6	76.7	71.9	60.6	43.8	17.3	5.3	57.0	66.8
2050.....	72.6	88.6	86.5	83.8	81.9	80.5	76.8	72.0	60.6	43.7	17.3	5.3	57.0	66.8
2055.....	72.6	88.6	86.5	83.8	81.9	80.5	76.7	72.0	60.6	43.5	17.1	5.3	56.9	66.8
2060.....	72.6	88.6	86.5	83.8	81.9	80.5	76.7	72.0	60.7	43.5	17.1	5.5	57.0	66.8
2065.....	72.6	88.6	86.5	83.8	81.9	80.5	76.7	72.0	60.6	43.5	17.1	5.4	56.9	66.8
Alternative III:														
Male														
1986.....	70.6	92.6	91.5	90.0	86.4	85.4	83.7	79.6	74.1	58.4	30.7	13.7	75.4	75.4
1987.....	67.8	90.6	89.9	88.4	87.0	85.9	83.1	78.4	73.7	58.5	31.0	13.9	74.4	74.5
1988.....	63.6	87.9	88.2	86.9	86.7	86.0	82.5	77.1	72.7	57.8	31.3	14.1	73.1	73.2
1989.....	66.1	88.5	88.5	87.1	86.7	85.5	82.2	77.2	72.0	56.7	30.2	13.7	73.1	73.3
1990.....	62.2	86.7	88.0	86.6	87.1	86.0	81.9	76.1	71.5	57.6	30.6	13.9	72.5	72.7
1991.....	63.5	87.7	88.9	87.0	87.1	85.7	81.9	76.5	71.1	56.9	29.3	13.4	72.6	72.9
1992.....	65.2	88.7	89.9	87.7	87.6	85.8	82.2	77.0	71.1	56.7	29.2	13.3	73.1	73.5
1993.....	66.6	89.6	90.8	88.3	88.0	85.9	82.4	77.4	71.2	56.5	28.9	13.2	73.4	74.0
1994.....	67.6	90.2	91.6	88.9	88.4	86.0	82.6	77.6	71.2	56.4	28.5	13.0	73.6	74.3
1995.....	68.7	90.9	92.1	89.5	88.8	86.2	82.7	77.8	71.2	56.2	28.2	12.9	73.8	74.7
1996.....	69.7	91.4	92.4	90.1	89.0	86.3	82.9	77.8	71.1	56.0	27.9	12.7	73.8	74.9
1997.....	69.6	91.2	92.2	90.1	89.0	86.2	82.5	77.5	70.8	55.9	27.5	12.3	73.5	74.7
1998.....	69.8	91.2	92.2	90.2	89.0	86.0	82.3	77.3	70.5	55.7	27.6	12.3	73.3	74.7
1999.....	70.1	91.2	92.2	90.4	89.0	85.9	82.1	77.0	70.2	55.3	27.2	11.8	73.0	74.6
2000.....	70.1	91.0	92.1	90.4	89.1	85.8	81.9	76.7	69.8	54.9	27.0	11.6	72.7	74.4
2005.....	69.8	90.6	91.6	90.0	89.3	85.6	81.4	75.8	69.0	55.0	25.6	10.4	71.4	74.0
2010.....	69.7	90.6	91.0	89.9	89.3	86.0	81.5	75.6	68.3	54.4	24.4	9.8	69.9	73.7
2015.....	69.7	90.8	91.0	89.7	89.6	86.4	82.3	75.8	68.2	53.6	23.9	9.9	68.0	73.8
2020.....	69.6	90.8	91.0	89.5	89.2	86.4	82.5	76.1	67.9	53.7	23.3	10.1	65.7	73.7
2025.....	69.6	90.8	91.1	89.6	89.0	86.1	82.5	76.3	68.2	53.6	21.8	9.9	63.4	73.7
2030.....	69.6	90.8	91.2	89.8	89.1	86.0	82.2	76.4	68.3	53.5	21.7	10.0	61.6	73.7
2035.....	69.7	90.8	91.2	89.9	89.3	86.1	82.0	76.1	68.6	53.5	21.6	9.5	60.5	73.7
2040.....	69.7	90.8	91.2	89.8	89.4	86.2	82.1	75.9	68.2	53.9	21.8	8.6	59.6	73.6
2045.....	69.7	90.8	91.1	89.8	89.3	86.2	82.2	75.9	67.9	53.6	21.6	8.0	58.7	73.5
2050.....	69.7	90.8	91.2	89.7	89.2	86.2	82.2	76.0	67.8	53.2	21.4	7.9	57.7	73.4
2055.....	69.7	90.8	91.2	89.8	89.2	86.1	82.1	76.0	67.9	53.0	21.3	8.2	56.9	73.4
2060.....	69.7	90.8	91.2	89.8	89.2	86.1	82.1	75.9	67.9	53.0	21.2	8.2	56.2	73.5
2065.....	69.7	90.8	91.2	89.8	89.3	86.1	82.1	75.9	67.8	53.0	21.3	7.9	55.6	73.4
Female														
1986.....	67.9	78.6	71.0	69.6	63.2	65.7	64.9	60.5	51.9	37.7	18.0	4.8	55.0	55.0
1987.....	66.2	77.8	71.1	69.9	64.3	66.8	65.4	61.3	52.2	37.9	18.0	4.9	55.0	55.1
1988.....	63.7	75.5	70.1	69.2	64.3	66.8	65.0	61.5	52.1	37.7	17.5	4.7	54.2	54.4
1989.....	65.7	77.1	71.6	70.2	65.6	67.9	66.0	62.6	52.3	37.3	17.2	4.7	55.0	55.3
1990.....	62.9	74.8	70.9	69.6	65.9	68.2	65.7	63.2	53.2	37.7	16.9	4.6	54.4	54.9
1991.....	64.0	76.8	72.5	70.9	67.2	69.4	66.8	64.1	53.3	37.3	16.6	4.5	55.2	55.8
1992.....	65.5	78.3	74.1	72.2	68.6	70.5	68.0	65.1	53.8	37.3	16.5	4.5	56.1	56.7
1993.....	66.5	79.6	75.5	73.4	69.8	71.6	69.0	65.9	54.3	37.2	16.4	4.5	56.7	57.6
1994.....	67.4	80.7	76.7	74.3	70.9	72.5	69.9	66.6	54.8	37.2	16.2	4.4	57.3	58.3
1995.....	68.3	81.7	77.7	75.2	72.0	73.4	70.7	67.3	55.3	37.2	16.1	4.4	57.8	58.9
1996.....	69.0	82.6	78.6	75.8	72.8	74.1	71.1	67.7	55.3	37.1	15.9	4.3	58.2	59.4
1997.....	68.9	82.6	78.8	75.8	73.1	74.0	70.7	67.3	55.0	36.9	15.8	4.3	58.0	59.4
1998.....	69.0	82.9	79.1	75.9	73.5	74.1	70.6	66.9	54.6	36.6	15.6	4.2	57.9	59.4
1999.....	69.1	83.1	79.4	75.9	73.8	74.1	70.4	66.5	54.2	36.3	15.5	4.2	57.8	59.4
2000.....	69.0	83.2	79.5	75.9	74.1	74.1	70.3	66.1	53.7	35.9	15.2	4.1	57.6	59.3
2005.....	68.8	82.9	79.2	75.6	73.9	73.8	69.8	65.2	52.8	35.3	14.4	3.6	56.3	58.9

Table A6.—OASDI Covered Worker Rates by Alternative, Sex, Calendar Year and Age Group —Continued
[In percent]

Year	Age Group												Total (16+)	Age-Sex Adjusted
	16-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70+		
Alternative III: (Cont.)														
Female (Cont.)														
2010.....	68.8	82.8	79.0	75.1	74.0	73.5	69.5	64.9	52.3	34.4	13.5	3.2	54.6	58.6
2015.....	68.8	82.9	79.1	75.2	73.9	73.5	69.2	64.5	51.8	33.7	13.2	3.2	52.5	58.5
2020.....	68.9	83.0	79.0	75.0	73.9	73.4	69.1	64.1	51.3	33.3	12.8	3.3	50.2	58.4
2025.....	68.8	83.0	79.0	74.9	73.9	73.4	69.1	64.0	50.6	32.6	11.8	3.3	48.0	58.2
2030.....	68.8	83.0	79.0	74.9	73.9	73.3	69.1	64.0	50.4	31.9	11.3	3.2	46.2	58.1
2035.....	68.9	83.0	79.1	74.9	73.9	73.3	69.1	64.0	50.6	31.7	10.9	3.1	44.9	58.1
2040.....	68.9	83.0	79.1	75.0	73.9	73.3	69.0	63.9	50.6	31.9	11.0	2.8	43.9	58.1
2045.....	68.9	83.0	79.1	75.0	73.9	73.3	68.9	63.7	50.3	31.8	10.9	2.5	42.9	58.0
2050.....	68.9	83.0	79.1	75.0	73.9	73.3	68.9	63.7	50.1	31.4	10.8	2.5	41.9	57.9
2055.....	68.9	83.0	79.1	74.9	73.9	73.3	68.9	63.7	50.0	31.1	10.5	2.5	41.2	57.9
2060.....	68.9	83.0	79.1	74.9	73.9	73.3	68.9	63.7	50.0	31.0	10.4	2.5	40.7	57.9
2065.....	68.9	83.0	79.1	74.9	73.9	73.3	68.9	63.7	50.0	30.9	10.3	2.4	40.2	57.9
Total														
1986.....	69.3	85.7	81.4	79.9	75.1	75.3	74.3	69.9	62.7	47.4	23.8	8.2	64.9	64.9
1987.....	67.0	84.3	80.7	79.3	76.0	76.1	74.2	69.7	62.6	47.6	24.0	8.3	64.4	64.5
1988.....	63.7	81.8	79.3	78.2	75.9	76.2	73.7	69.2	62.1	47.2	23.8	8.3	63.4	63.6
1989.....	65.9	82.9	80.2	78.8	76.4	76.6	74.1	69.8	61.9	46.5	23.2	8.1	63.8	64.1
1990.....	62.5	80.8	79.6	78.3	76.7	77.1	73.6	69.6	62.1	47.2	23.2	8.2	63.2	63.5
1991.....	63.7	82.3	80.8	79.1	77.3	77.7	74.2	70.2	62.0	46.7	22.4	7.9	63.7	64.1
1992.....	65.3	83.6	82.1	80.1	78.2	78.4	74.9	71.0	62.2	46.5	22.3	7.9	64.3	64.9
1993.....	66.6	84.7	83.3	81.0	79.0	78.9	75.5	71.6	62.5	46.5	22.1	7.8	64.8	65.5
1994.....	67.5	85.5	84.3	81.7	79.8	79.4	76.1	72.0	62.8	46.4	21.9	7.7	65.2	66.1
1995.....	68.5	86.4	85.1	82.5	80.5	79.9	76.7	72.4	63.1	46.3	21.7	7.7	65.6	66.6
1996.....	69.4	87.1	85.7	83.0	81.0	80.3	77.1	72.6	63.1	46.2	21.5	7.6	65.8	67.0
1997.....	69.2	87.0	85.6	83.0	81.2	80.2	76.6	72.2	62.7	46.1	21.3	7.4	65.5	68.8
1998.....	69.4	87.1	85.7	83.2	81.3	80.1	76.6	71.9	62.4	45.8	21.2	7.4	65.4	68.8
1999.....	69.6	87.3	85.9	83.2	81.5	80.1	76.4	71.6	62.0	45.5	21.0	7.2	65.2	68.8
2000.....	69.6	87.2	85.9	83.3	81.7	80.0	76.2	71.3	61.5	45.1	20.7	7.0	65.0	66.7
2005.....	69.3	86.8	85.5	82.9	81.7	79.7	75.7	70.6	60.8	44.7	19.7	6.2	63.7	66.2
2010.....	69.2	86.8	85.1	82.6	81.7	79.8	75.5	70.3	60.3	44.2	18.6	5.8	62.1	65.9
2015.....	69.3	86.9	85.2	82.6	81.8	80.1	75.8	70.1	60.0	43.6	18.3	5.9	60.1	65.9
2020.....	69.3	87.0	85.1	82.4	81.7	80.0	75.9	70.1	59.5	43.3	17.9	6.1	57.8	65.8
2025.....	69.3	87.0	85.2	82.4	81.6	79.8	75.9	70.2	59.4	42.9	16.7	6.1	55.5	65.7
2030.....	69.3	87.0	85.2	82.5	81.6	79.7	75.7	70.3	59.4	42.6	16.3	6.1	53.7	65.7
2035.....	69.3	87.0	85.2	82.5	81.7	79.8	75.6	70.1	59.6	42.4	16.1	5.8	52.4	65.7
2040.....	69.3	87.0	85.2	82.5	81.7	79.8	75.6	69.9	59.4	42.8	16.3	5.3	51.4	65.6
2045.....	69.3	87.0	85.2	82.5	81.7	79.9	75.6	69.8	59.1	42.6	16.1	4.8	50.5	65.5
2050.....	69.3	87.0	85.2	82.5	81.7	79.8	75.7	69.9	58.9	42.2	16.0	4.7	49.5	65.5
2055.....	69.3	87.0	85.2	82.5	81.7	79.8	75.6	69.9	58.9	42.0	15.8	4.8	48.7	65.5
2060.....	69.3	87.0	85.3	82.5	81.7	79.8	75.6	69.9	59.0	41.9	15.7	4.9	48.1	65.5
2065.....	69.3	87.0	85.2	82.5	81.7	79.8	75.6	69.8	59.0	41.9	15.7	4.7	47.6	65.4

Note: The covered worker rate is the average total number of covered worker during the year as a percentage of the Social Security Area population. Age-sex adjustment is based on the distribution of the 1986 Social Security Area population.

Table A7.—OASDI Covered Workers by Alternative, Calendar Year, Sex and Age Group
[In thousands]

Year	Age Group											Total (16+)	
	16-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69		70+
Past Experience:													
Male													
1947	2,854	4,417	4,517	4,164	3,716	3,249	2,760	2,356	1,977	1,443	825	463	32,741
1948	2,888	4,427	4,494	4,211	3,754	3,323	2,764	2,378	1,957	1,511	824	463	32,994
1949	2,365	4,046	4,393	4,046	3,747	3,290	2,792	2,277	1,917	1,468	822	443	31,606
1950	2,530	4,215	4,497	4,135	3,889	3,419	2,827	2,417	1,951	1,478	815	447	32,620
1951	3,007	4,007	4,912	4,795	4,642	4,166	3,613	2,979	2,504	1,987	1,240	667	38,519
1952	3,135	3,644	4,976	4,966	4,671	4,281	3,742	3,137	2,500	2,101	1,282	753	39,188
1953	3,185	3,588	4,981	5,027	4,782	4,388	3,880	3,175	2,600	2,104	1,318	774	39,802
1954	2,772	3,455	4,789	5,057	4,677	4,451	3,910	3,246	2,584	2,064	1,269	812	39,086
1955	3,026	3,980	5,019	5,345	5,035	4,846	4,327	3,595	2,995	2,399	1,566	1,007	43,140
1956	3,202	4,214	4,996	5,354	5,193	5,009	4,481	3,818	3,068	2,543	1,671	1,069	44,618
1957	3,577	5,228	5,339	5,612	5,527	5,087	4,591	3,956	3,169	2,511	1,554	1,036	47,187
1958	3,294	5,225	5,178	5,532	5,493	5,132	4,622	3,991	3,211	2,523	1,492	994	46,687
1959	3,636	5,382	5,195	5,494	5,634	5,149	4,768	4,137	3,306	2,510	1,428	992	47,631
1960	3,748	5,455	5,148	5,464	5,591	5,188	4,818	4,183	3,336	2,605	1,392	972	47,900
1961	3,745	5,564	5,146	5,367	5,508	5,268	4,851	4,207	3,446	2,567	1,368	953	47,990
1962	3,883	5,895	5,197	5,292	5,496	5,348	4,861	4,279	3,520	2,605	1,312	962	48,650
1963	4,030	6,198	5,319	5,175	5,465	5,356	4,927	4,341	3,603	2,625	1,301	940	49,280
1964	4,441	6,483	5,442	5,128	5,377	5,436	4,904	4,440	3,692	2,684	1,301	932	50,260
1965	5,206	6,731	5,574	5,153	5,416	5,464	5,002	4,536	3,803	2,793	1,359	953	51,990
1966	5,842	7,197	5,759	5,221	5,360	5,451	5,116	4,649	3,853	2,891	1,396	995	53,730
1967	5,833	7,625	6,098	5,270	5,292	5,465	5,213	4,637	3,945	2,986	1,462	994	54,820
1968	6,086	7,941	6,404	5,371	5,186	5,416	5,202	4,699	3,958	3,053	1,522	1,032	55,870
1969	6,465	8,329	6,622	5,494	5,146	5,322	5,277	4,644	4,048	3,107	1,517	1,009	56,980
1970	6,308	8,639	6,760	5,564	5,126	5,287	5,242	4,671	4,064	3,122	1,522	1,005	57,330
1971	6,257	8,684	7,031	5,645	5,111	5,164	5,141	4,688	4,090	3,061	1,474	974	57,320
1972	6,645	8,832	7,449	5,971	5,154	5,080	5,132	4,776	4,057	3,074	1,471	969	58,610
1973	7,257	9,072	7,796	6,286	5,272	4,998	5,122	4,786	4,140	3,048	1,459	984	60,220
1974	7,186	9,238	8,104	6,431	5,336	4,922	4,995	4,828	4,061	3,061	1,401	957	60,520
1975	6,635	9,122	8,245	6,440	5,311	4,831	4,891	4,729	4,023	3,013	1,352	928	59,520
1976	6,711	9,429	8,428	6,794	5,434	4,829	4,783	4,635	4,055	2,988	1,326	928	60,340
1977	6,972	9,653	8,582	7,215	5,727	4,877	4,687	4,617	4,102	2,939	1,319	930	61,620
1978	7,436	9,973	8,903	7,620	6,101	5,051	4,672	4,661	4,163	3,028	1,363	989	63,960
1979	7,231	10,025	9,122	7,954	6,279	5,119	4,622	4,573	4,204	2,999	1,388	1,013	64,529
1980	6,620	9,971	9,278	8,206	6,372	5,178	4,590	4,516	4,152	2,988	1,411	1,006	64,288
1981	6,204	9,843	9,438	8,353	6,676	5,254	4,599	4,412	4,063	3,011	1,374	982	64,210
1982	5,426	9,597	9,471	8,341	6,998	5,502	4,604	4,309	4,053	3,017	1,298	970	63,586
1983	5,179	9,595	9,572	8,471	7,221	5,738	4,663	4,200	3,982	2,970	1,262	945	63,798
1984	5,428	10,055	10,031	8,878	7,568	6,014	4,887	4,402	4,173	3,113	1,323	991	66,863
1985	5,586	10,126	10,432	9,395	8,062	6,271	5,085	4,435	4,189	3,153	1,345	958	69,035
Female													
1947	2,418	3,246	2,295	1,822	1,706	1,477	1,184	852	604	346	152	65	16,167
1948	2,277	3,119	2,243	1,852	1,696	1,536	1,191	900	614	367	160	69	16,024
1949	1,947	2,861	2,172	1,757	1,658	1,514	1,208	881	609	362	158	67	15,194
1950	1,939	2,842	2,235	1,856	1,720	1,597	1,249	958	646	385	164	69	15,660
1951	2,316	3,201	2,607	2,264	2,138	2,005	1,693	1,258	930	675	361	155	19,603
1952	2,419	3,187	2,630	2,352	2,235	2,119	1,787	1,375	974	742	396	178	20,394
1953	2,448	3,158	2,621	2,399	2,361	2,202	1,927	1,457	1,063	780	425	200	21,041
1954	2,212	3,020	2,431	2,352	2,285	2,202	1,960	1,525	1,085	792	442	218	20,524
1955	2,384	3,085	2,480	2,456	2,423	2,376	2,180	1,704	1,266	917	525	264	22,060
1956	2,478	3,097	2,441	2,467	2,547	2,506	2,318	1,884	1,345	1,023	594	292	22,992
1957	2,486	3,114	2,399	2,480	2,593	2,562	2,414	1,975	1,445	1,028	611	315	23,402
1958	2,270	3,085	2,272	2,377	2,551	2,590	2,428	2,049	1,482	1,054	601	323	23,082
1959	2,512	3,206	2,329	2,364	2,672	2,677	2,541	2,170	1,589	1,074	597	336	24,067
1960	2,580	3,294	2,313	2,348	2,710	2,750	2,614	2,265	1,660	1,140	597	359	24,630
1961	2,550	3,372	2,310	2,272	2,679	2,784	2,662	2,317	1,756	1,154	610	364	24,830
1962	2,602	3,637	2,358	2,270	2,712	2,866	2,722	2,413	1,849	1,209	615	377	25,630
1963	2,623	3,880	2,433	2,238	2,705	2,896	2,800	2,474	1,948	1,249	631	383	26,260
1964	2,834	4,059	2,523	2,292	2,663	3,003	2,831	2,538	2,035	1,350	648	394	27,170
1965	3,350	4,335	2,687	2,335	2,704	3,086	2,934	2,627	2,128	1,422	668	414	28,690
1966	3,847	4,874	2,940	2,496	2,789	3,177	3,127	2,746	2,231	1,520	689	434	30,870
1967	3,867	5,300	3,228	2,589	2,840	3,227	3,241	2,818	2,322	1,594	746	448	32,220
1968	4,137	5,630	3,454	2,725	2,845	3,241	3,286	2,917	2,352	1,677	776	470	33,510
1969	4,483	6,063	3,701	2,832	2,922	3,266	3,386	2,974	2,433	1,749	801	470	35,080
1970	4,482	6,306	3,827	2,928	2,902	3,252	3,405	3,029	2,510	1,806	840	473	35,760
1971	4,523	6,396	4,061	2,975	2,888	3,163	3,320	3,084	2,504	1,798	831	477	36,020
1972	4,947	6,670	4,509	3,259	2,961	3,180	3,334	3,126	2,545	1,809	815	475	37,630
1973	5,544	7,034	4,932	3,542	3,139	3,192	3,341	3,160	2,617	1,808	818	483	39,610
1974	5,612	7,294	5,353	3,779	3,259	3,222	3,330	3,213	2,624	1,838	810	476	40,810
1975	5,304	7,297	5,607	3,864	3,333	3,166	3,266	3,167	2,603	1,819	787	467	40,680
1976	5,518	7,581	5,964	4,248	3,527	3,234	3,269	3,153	2,689	1,826	780	471	42,260
1977	5,788	7,913	6,239	4,718	3,844	3,326	3,301	3,186	2,758	1,841	786	480	44,180
1978	6,182	8,323	6,655	5,174	4,180	3,543	3,335	3,241	2,806	1,896	818	487	46,640
1979	6,163	8,476	6,991	5,611	4,435	3,683	3,379	3,241	2,902	1,931	847	512	48,171
1980	5,752	8,432	7,186	5,978	4,610	3,825	3,371	3,252	2,924	1,970	881	531	48,712
1981	5,424	8,403	7,374	6,182	4,908	3,962	3,403	3,224	2,893	2,019	866	531	49,190
1982	4,764	8,197	7,445	6,230	5,199	4,196	3,425	3,204	2,889	2,055	869	541	49,014
1983	4,673	8,070	7,559	6,372	5,460	4,381	3,559	3,170	2,882	2,055	873	548	49,602
1984	4,897	8,460	7,922										

Table A7.—OASDI Covered Workers by Alternative, Calendar Year, Sex and Age Group—Continued

[In thousands]

Year	Age Group												Total (16+)
	16-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70+	
Past Experience: (Cont.)													
Total (Cont.)													
1951	5,323	7,208	7,519	7,059	6,780	6,171	5,306	4,237	3,434	2,662	1,601	822	58,122
1952	5,554	6,831	7,606	7,318	6,906	6,400	5,529	4,512	3,474	2,843	1,678	931	59,582
1953	5,633	6,746	7,602	7,426	7,143	6,590	5,807	4,632	3,663	2,884	1,743	974	60,843
1954	4,984	6,475	7,220	7,409	6,962	6,653	5,870	4,771	3,669	2,856	1,711	1,030	59,610
1955	5,410	7,065	7,499	7,801	7,458	7,222	6,507	5,299	4,261	3,316	2,091	1,271	65,200
1956	5,680	7,311	7,437	7,821	7,740	7,515	6,799	5,702	4,413	3,566	2,265	1,361	67,610
1957	6,063	8,342	7,738	8,072	8,120	7,649	7,005	5,931	4,614	3,539	2,165	1,351	70,589
1958	5,564	8,310	7,450	7,909	8,044	7,722	7,050	6,040	4,693	3,577	2,093	1,317	69,769
1959	6,148	8,588	7,524	7,858	8,306	7,826	7,309	6,307	4,895	3,584	2,025	1,328	71,698
1960	6,328	8,749	7,461	7,812	8,301	7,938	7,432	6,448	4,996	3,745	1,989	1,331	72,530
1961	6,295	8,936	7,456	7,639	8,187	8,052	7,513	6,524	5,202	3,721	1,978	1,317	72,820
1962	6,485	9,532	7,555	7,562	8,208	8,214	7,583	6,692	5,369	3,814	1,927	1,339	74,280
1963	6,653	10,078	7,752	7,413	8,170	8,252	7,727	6,815	5,551	3,874	1,932	1,323	75,540
1964	7,275	10,542	7,965	7,420	8,040	8,439	7,795	6,978	5,727	4,034	1,949	1,326	77,630
1965	8,556	11,066	8,261	7,488	8,120	8,550	7,936	7,163	5,931	4,215	2,027	1,367	80,680
1966	9,689	12,071	8,699	7,717	8,149	8,628	8,243	7,395	6,084	4,411	2,085	1,429	84,600
1967	9,700	12,925	9,326	7,859	8,132	8,692	8,454	7,455	6,267	4,580	2,208	1,442	87,040
1968	10,223	13,571	9,858	8,096	8,031	8,657	8,488	7,616	6,310	4,730	2,298	1,502	89,380
1969	10,948	14,392	10,323	8,326	8,068	8,588	8,663	7,618	6,481	4,856	2,318	1,479	92,060
1970	10,790	14,945	10,587	8,492	8,028	8,539	8,647	7,700	6,594	4,928	2,362	1,478	93,090
1971	10,780	15,080	11,092	8,620	7,999	8,327	8,461	7,772	6,594	4,859	2,305	1,451	93,340
1972	11,592	15,502	11,958	9,230	8,115	8,260	8,466	7,902	6,602	4,883	2,286	1,444	96,240
1973	12,801	16,106	12,728	9,828	8,411	8,190	8,463	7,946	6,757	4,856	2,277	1,467	99,830
1974	12,798	16,532	13,457	10,210	8,595	8,144	8,325	8,041	6,685	4,899	2,211	1,433	101,330
1975	11,939	16,419	13,852	10,304	8,644	7,997	8,157	7,896	6,626	4,832	2,139	1,395	100,200
1976	12,229	17,010	14,392	11,042	8,961	8,063	8,052	7,788	6,744	4,814	2,106	1,399	102,600
1977	12,760	17,566	14,821	11,933	9,571	8,203	7,988	7,803	6,860	4,780	2,105	1,410	105,800
1978	13,618	18,296	15,558	12,794	10,281	8,594	8,007	7,902	6,969	4,924	2,181	1,476	110,600
1979	13,394	18,501	16,113	13,565	10,714	8,802	8,001	7,814	7,106	4,930	2,235	1,525	112,700
1980	12,372	18,403	16,464	14,184	10,982	9,003	7,961	7,768	7,076	4,958	2,292	1,537	113,000
1981	11,628	18,247	16,812	14,535	11,584	9,217	8,002	7,636	6,957	5,029	2,240	1,513	113,400
1982	10,190	17,794	16,916	14,571	12,197	9,698	8,029	7,513	6,942	5,072	2,167	1,511	112,600
1983	9,852	17,665	17,131	14,843	12,681	10,119	8,222	7,370	6,864	5,025	2,135	1,493	113,400
1984	10,325	18,514	17,954	15,557	13,290	10,605	8,617	7,724	7,194	5,266	2,238	1,565	118,849
1985	10,545	18,491	18,328	16,276	13,823	11,123	8,962	7,855	7,265	5,366	2,254	1,540	121,830
Alternative I:													
Male													
1986	5,480	10,071	10,719	9,822	8,386	6,505	5,218	4,432	4,149	3,077	1,353	1,034	70,247
1987	5,517	9,709	10,616	9,950	8,590	6,877	5,386	4,437	4,091	3,029	1,374	1,056	70,632
1988	5,618	9,413	10,530	10,137	8,760	7,224	5,640	4,525	4,013	2,986	1,416	1,098	71,361
1989	5,683	9,261	10,475	10,336	9,015	7,531	5,863	4,630	3,944	2,936	1,417	1,110	72,200
1990	5,619	9,214	10,370	10,503	9,301	7,903	6,046	4,737	3,908	2,894	1,417	1,127	73,040
1991	5,524	9,260	10,191	10,639	9,597	8,233	6,298	4,880	3,899	2,852	1,407	1,150	73,932
1992	5,480	9,239	9,943	10,678	9,873	8,405	6,652	5,068	3,915	2,809	1,394	1,172	74,629
1993	5,495	9,114	9,691	10,642	10,114	8,568	6,978	5,291	3,970	2,764	1,383	1,189	75,198
1994	5,548	8,931	9,491	10,550	10,289	8,790	7,279	5,482	4,034	2,724	1,365	1,202	75,686
1995	5,648	8,726	9,390	10,400	10,426	9,047	7,633	5,636	4,101	2,704	1,348	1,216	76,275
1996	5,771	8,534	9,352	10,150	10,506	9,287	7,929	5,831	4,187	2,697	1,327	1,222	76,792
1997	5,934	8,481	9,308	9,874	10,511	9,517	8,086	6,163	4,342	2,713	1,301	1,211	77,440
1998	6,037	8,518	9,178	9,599	10,463	9,719	8,224	6,455	4,530	2,763	1,273	1,203	77,962
1999	6,109	8,625	9,004	9,388	10,373	9,869	8,427	6,726	4,696	2,814	1,238	1,193	78,461
2000	6,152	8,781	8,801	9,290	10,209	9,978	8,648	7,041	4,826	2,873	1,222	1,181	79,003
2005	6,273	9,439	8,913	8,702	9,094	9,717	9,514	7,978	6,056	3,462	1,251	1,090	81,489
2010	6,331	9,635	9,594	8,805	8,541	8,665	9,272	8,786	6,857	4,327	1,415	1,045	83,273
2015	6,322	9,710	9,838	9,475	8,669	8,179	8,306	8,584	7,546	4,917	1,741	1,136	84,424
2020	6,514	9,719	9,900	9,662	9,284	8,269	7,820	7,672	7,329	5,418	1,958	1,399	84,945
2025	6,909	10,042	9,916	9,719	9,464	8,853	7,914	7,233	6,547	5,303	2,067	1,610	85,577
2030	7,306	10,653	10,242	9,738	9,520	9,025	8,470	7,334	6,176	4,741	1,979	1,848	87,032
2035	7,441	11,204	10,852	10,054	9,540	9,081	8,635	7,849	6,277	4,471	1,803	1,984	89,192
2040	7,554	11,400	11,395	10,639	9,846	9,102	8,690	8,004	6,711	4,569	1,698	1,848	91,456
2045	7,755	11,583	11,592	11,159	10,410	9,391	8,714	8,055	6,844	4,876	1,705	1,710	93,794
2050	8,063	11,907	11,778	11,350	10,916	9,926	8,993	8,080	6,888	4,981	1,827	1,689	96,398
2055	8,381	12,378	12,106	11,532	11,103	10,406	9,503	8,342	6,915	5,012	1,881	1,777	99,335
2060	8,637	12,851	12,577	11,849	11,279	10,585	9,960	8,817	7,145	5,034	1,893	1,856	102,482
2065	8,847	13,229	13,048	12,302	11,585	10,753	10,133	9,242	7,551	5,201	1,905	1,887	105,683
Female													
1986	5,038	8,204	7,976	7,308	5,826	5,245	4,072	3,456	3,078	2,225	933	598	53,959
1987	5,077	8,096	8,128	7,645	6,017	5,659	4,292	3,525	3,019	2,199	944	605	55,208
1988	5,174	7,997	8,257	7,928	6,257	6,048	4,567	3,651	2,964	2,165	951	612	56,572
1989	5,209	7,953	8,364	8,176	6,575	6,355	4,871	3,801	2,941	2,133	953	619	57,951
1990	5,127	7,969	8,370	8,393	6,997	6,539	5,219	3,955	2,943	2,104	950	628	59,194
1991	5,033	8,060	8,288	8,594	7,440	6,678	5,613	4,127	2,963	2,082	942	639	60,458
1992	4,991	8,072	8,138	8,704	7,776	6,822	5,997	4,333	3,007	2,053	929	649	61,470
1993	5,005	7,977	7,965	8,721	8,025	7,003	6,329	4,571	3,089	2,019	915	656	62,275
1994	5,061	7,830	7,835	8,674	8,217	7,260	6,538	4,825	3,173	1,989	896	662	62,959
1995	5,161	7,666	7,788	8,575	8,379	7,627	6,615	5,122	3,233	1,974	876	667	63,682
1996	5,279	7,514	7,794	8,386	8,501	7,993	6,636	5,438	3,305	1,966	855	668	64,335
1997	5,434	7,498	7,802	8,188	8,589	8,280	6,726	5,755	3,430	1,977	839	661	65,180
1998	5,544	7,547	7,720	7,971	8,610	8,479	6,855	6,029	3,589	2,007	814	655	65,821
1999	5,622	7,663	7,597	7,803	8,596	8,638	7,069	6,222	3,765	2,050	798	647	66,470
2000	5,672	7,828	7,447	7,734	8,520	8,773	7,392	6,296	3,971	2,097	780	621	67,130
2005	5,783	8,421	7,506	7,251	7,560	8,631	8,314	6,958	4,841	2,578	797	564	69,204
2010	5,817	8,561	8,066	7,306	7,668	7,673	8,159	7,815	5,358	3,119	937	520	70,399
2015	5,804	8,600	8,227	7,908	7,103								

Table A7.—OASDI Covered Workers by Alternative, Calendar Year, Sex and Age Group—Continued
 [In thousands]

Year	Age Group												Total (16+)
	16-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70+	
Alternative I: (Cont.) Female (Cont.)													
2035	6,827	9,910	9,047	8,405	7,877	8,081	7,620	7,061	5,084	3,224	1,189	996	75,322
2040	6,931	10,081	9,508	8,897	8,120	8,084	7,660	7,205	5,483	3,312	1,129	935	77,344
2045	7,116	10,240	9,667	9,344	8,588	8,337	7,663	7,239	5,594	3,574	1,150	861	79,372
2050	7,398	10,525	9,814	9,497	9,019	8,817	7,903	7,244	5,617	3,644	1,244	846	81,569
2055	7,689	10,940	10,081	9,640	9,167	9,251	8,358	7,473	5,620	3,654	1,269	888	84,031
2060	7,923	11,355	10,471	9,898	9,303	9,401	8,767	7,904	5,800	3,656	1,271	930	86,679
2065	8,115	11,687	10,862	10,276	9,547	9,540	8,907	8,287	6,135	3,773	1,271	942	89,343
Total													
1986	10,518	18,275	18,695	17,129	14,212	11,750	9,290	7,888	7,227	5,303	2,286	1,632	124,206
1987	10,594	17,806	18,744	17,596	14,607	12,536	9,679	7,962	7,110	5,227	2,318	1,661	125,840
1988	10,792	17,411	18,787	18,065	15,018	13,272	10,207	8,176	6,976	5,151	2,367	1,711	127,933
1989	10,892	17,214	18,839	18,511	15,591	13,886	10,734	8,431	6,885	5,070	2,370	1,730	130,151
1990	10,745	17,183	18,740	18,897	16,298	14,442	11,265	8,692	6,851	4,999	2,367	1,755	132,234
1991	10,558	17,320	18,479	19,233	17,038	14,912	11,911	9,007	6,862	4,934	2,348	1,789	134,390
1992	10,471	17,311	18,081	19,382	17,649	15,227	12,649	9,401	6,922	4,862	2,323	1,821	136,099
1993	10,500	17,091	17,656	19,363	18,139	15,570	13,308	9,861	7,059	4,784	2,298	1,845	137,473
1994	10,609	16,761	17,326	19,224	18,506	16,050	13,816	10,307	7,207	4,713	2,261	1,864	138,645
1995	10,809	16,392	17,179	18,975	18,805	16,674	14,248	10,758	7,334	4,678	2,224	1,882	139,957
1996	11,050	16,048	17,146	18,536	19,007	17,279	14,565	11,269	7,492	4,662	2,183	1,890	141,127
1997	11,368	15,980	17,110	18,062	19,100	17,797	14,813	11,917	7,772	4,690	2,140	1,872	142,620
1998	11,581	16,065	16,899	17,570	19,073	18,198	15,080	12,484	8,119	4,769	2,087	1,858	143,783
1999	11,731	16,288	16,600	17,191	18,969	18,507	15,496	12,949	8,462	4,864	2,035	1,839	144,931
2000	11,824	16,610	16,248	17,024	18,729	18,751	16,040	13,337	8,797	4,970	2,002	1,802	146,133
2005	12,056	17,860	16,418	15,953	16,655	18,348	17,827	14,935	10,897	6,040	2,048	1,655	150,693
2010	12,149	18,196	17,660	16,111	15,608	16,338	17,431	16,601	12,215	7,446	2,351	1,585	153,672
2015	12,126	18,310	18,065	17,383	15,773	15,395	15,582	16,263	13,576	8,373	2,869	1,713	155,427
2020	12,493	18,321	18,174	17,754	16,955	15,570	14,658	14,524	13,256	9,316	3,197	2,072	156,291
2025	13,250	18,928	18,190	17,863	17,294	16,727	14,839	13,680	11,832	9,134	3,420	2,390	157,546
2030	14,010	20,078	18,782	17,885	17,397	17,062	15,936	13,886	11,158	8,155	3,315	2,778	160,440
2035	14,268	21,114	19,899	18,459	17,418	17,162	16,256	14,910	11,361	7,695	2,993	2,980	164,514
2040	14,485	21,481	20,903	19,535	17,966	17,186	16,350	15,209	12,194	7,881	2,827	2,783	168,800
2045	14,871	21,823	21,258	20,503	18,998	17,728	16,377	15,294	12,437	8,449	2,856	2,571	173,166
2050	15,460	22,432	21,592	20,847	19,935	18,743	16,896	15,324	12,504	8,626	3,071	2,535	177,967
2055	16,069	23,318	22,187	21,172	20,270	19,657	17,861	15,815	12,535	8,666	3,149	2,665	183,366
2060	16,560	24,206	23,048	21,747	20,582	19,986	18,727	16,720	12,945	8,690	3,164	2,786	189,161
2065	16,962	24,917	23,911	22,578	21,133	20,294	19,039	17,529	13,685	8,974	3,176	2,829	195,026
Alternative II-A: Male													
1986	5,485	10,079	10,728	9,829	8,393	6,510	5,222	4,435	4,153	3,080	1,354	1,035	70,302
1987	5,501	9,700	10,612	9,950	8,597	6,885	5,389	4,437	4,093	3,035	1,377	1,059	70,636
1988	5,563	9,375	10,503	10,121	8,766	7,234	5,640	4,518	4,013	2,995	1,420	1,104	71,253
1989	5,605	9,205	10,431	10,307	9,018	7,544	5,862	4,620	3,943	2,946	1,420	1,116	72,018
1990	5,528	9,146	10,314	10,463	9,302	7,919	6,045	4,727	3,908	2,906	1,421	1,134	72,813
1991	5,409	9,173	10,118	10,583	9,596	8,253	6,296	4,865	3,899	2,875	1,413	1,160	73,640
1992	5,342	9,135	9,857	10,605	9,867	8,426	6,649	5,050	3,914	2,840	1,401	1,183	74,269
1993	5,354	9,009	9,600	10,561	10,105	8,591	6,979	5,275	3,972	2,797	1,390	1,202	74,894
1994	5,404	8,825	9,397	10,462	10,276	8,815	7,283	5,469	4,039	2,759	1,373	1,218	75,319
1995	5,501	8,619	9,293	10,305	10,407	9,073	7,641	5,625	4,109	2,742	1,357	1,234	75,907
1996	5,621	8,425	9,253	10,049	10,481	9,314	7,941	5,824	4,199	2,738	1,338	1,243	76,428
1997	5,763	8,353	9,185	9,749	10,466	9,531	8,085	6,145	4,348	2,753	1,314	1,238	76,930
1998	5,865	8,384	9,044	9,460	10,397	9,719	8,215	6,432	4,534	2,800	1,284	1,233	77,365
1999	5,934	8,485	8,857	9,235	10,287	9,853	8,410	6,699	4,697	2,852	1,262	1,226	77,795
2000	5,969	8,632	8,641	9,123	10,103	9,944	8,621	7,006	4,822	2,908	1,247	1,215	78,231
2005	6,003	9,234	8,682	8,479	8,915	9,603	9,433	7,909	6,039	3,486	1,276	1,134	80,193
2010	5,841	9,296	9,306	8,546	8,329	8,504	9,145	8,687	6,836	4,384	1,445	1,099	81,418
2015	5,636	9,047	9,400	9,183	8,433	7,991	8,144	8,445	7,513	4,945	1,794	1,240	81,771
2020	5,633	8,759	9,137	9,240	9,024	8,061	7,636	7,500	7,266	5,473	1,996	1,498	81,222
2025	5,800	8,786	8,858	8,987	9,082	8,626	7,713	7,038	6,452	5,314	2,084	1,739	80,479
2030	5,947	9,050	8,890	8,721	8,838	8,684	8,252	7,123	6,061	4,715	2,024	2,057	80,362
2035	5,919	9,244	9,152	8,754	8,581	8,455	8,308	7,620	6,153	4,425	1,803	2,153	80,567
2040	5,842	9,190	9,341	9,007	8,614	8,211	8,091	7,672	6,578	4,518	1,696	2,005	80,764
2045	5,822	9,079	9,287	9,190	8,859	8,243	7,861	7,472	6,621	4,831	1,734	1,988	80,898
2050	5,882	9,064	9,179	9,138	9,039	8,477	7,894	7,264	6,449	4,861	1,833	1,828	80,907
2055	5,955	9,161	9,167	9,035	8,990	8,649	8,119	7,298	6,276	4,731	1,852	1,927	81,160
2060	5,982	9,267	9,265	9,025	8,891	8,605	8,283	7,509	6,312	4,606	1,809	2,006	81,562
2065	5,971	9,303	9,371	9,121	8,882	8,512	8,243	7,664	6,496	4,635	1,766	1,998	81,963
Female													
1986	5,032	8,195	7,967	7,300	5,820	5,239	4,068	3,453	3,075	2,223	932	598	53,901
1987	5,057	8,065	8,103	7,626	6,005	5,649	4,283	3,520	3,017	2,198	944	605	55,071
1988	5,126	7,928	8,202	7,897	6,233	6,028	4,549	3,641	2,963	2,167	950	612	56,285
1989	5,145	7,864	8,289	8,119	6,542	6,329	4,847	3,788	2,941	2,137	951	619	57,573
1990	5,053	7,866	8,286	8,324	6,957	6,509	5,191	3,940	2,944	2,109	949	628	58,757
1991	4,942	7,931	8,183	8,505	7,389	6,641	5,576	4,109	2,965	2,089	941	640	59,910
1992	4,883	7,923	8,016	8,596	7,713	6,777	5,953	4,311	3,009	2,061	928	650	60,820
1993	4,895	7,828	7,840	8,612	7,957	6,957	6,286	4,548	3,091	2,028	915	658	61,614
1994	4,949	7,690	7,707	8,559	8,148	7,212	6,504	4,803	3,180	1,998	897	664	62,300
1995	5,046	7,515	7,657	8,455	8,305	7,577	6,582	5,100	3,244	1,984	877	670	63,012
1996	5,163	7,363	7,660	8,261	8,422	7,941	6,604	5,417	3,318	1,977	857	672	63,654
1997	5,296	7,322	7,641	8,031	8,479	8,198	6,669	5,713	3,433	1,981	839	668	64,269
1998	5,399	7,365	7,546	7,796	8,477	8,373	6,779	5,968	3,579	2,003	817	663	64,766
1999	5,469	7,475	7,411	7,611	8,441	8,507	6,971	6,141	3,741	2,036	794	657	65,254
2000	5,507	7,629	7,246	7,522	8,339	8,612	7,270	6,193	3,931	2,073	781	649	65,752
2005	5,540	8,170	7,254	6,972	7,325	8,373	8,098	6,780	4,749	2,518	785	571	67,133
2010	5,381	8,199	7,777	6,984	6,806	7,368	7,869	7,561	5,214	3,024	915	527	67,624
2015	5,190	7,960	7,826	7,529	6,824	6,873	6,939	7,350	5,815	3,311	1,09		

Table A7.—OASDI Covered Workers by Alternative, Calendar Year, Sex and Age Group—Continued
[In thousands]

Year	Age Group											Total (16+)	
	16-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69		70+
Alternative II-A: (Cont.) Female (Cont.)													
2035	5,448	8,127	7,593	7,156	6,967	7,282	7,056	6,562	4,686	2,902	1,061	1,000	65,838
2040	5,377	8,077	7,755	7,366	6,985	7,057	6,856	6,605	5,039	2,962	988	931	65,997
2045	5,359	7,977	7,707	7,523	7,187	7,080	6,645	6,416	5,067	3,184	1,000	848	65,993
2050	5,413	7,963	7,612	7,477	7,341	7,286	6,668	6,221	4,917	3,195	1,076	828	65,997
2055	5,479	8,049	7,599	7,386	7,299	7,438	6,864	6,246	4,768	3,092	1,080	868	66,169
2060	5,504	8,141	7,680	7,374	7,211	7,395	7,007	6,431	4,791	2,999	1,047	903	66,482
2065	5,494	8,171	7,767	7,451	7,198	7,307	6,966	6,565	4,935	3,014	1,015	895	66,778
Total													
1986	10,517	18,274	18,695	17,129	14,212	11,749	9,290	7,888	7,227	5,303	2,286	1,633	124,203
1987	10,558	17,765	18,715	17,576	14,602	12,533	9,672	7,956	7,111	5,233	2,320	1,664	125,707
1988	10,689	17,303	18,705	18,008	14,999	13,262	10,189	8,159	6,977	5,162	2,370	1,716	127,538
1989	10,750	17,069	18,721	18,426	15,561	13,873	10,709	8,408	6,885	5,084	2,372	1,734	129,591
1990	10,581	17,012	18,600	18,787	16,259	14,428	11,236	8,667	6,852	5,015	2,370	1,762	131,570
1991	10,351	17,103	18,301	19,087	16,985	14,895	11,873	8,973	6,864	4,964	2,354	1,800	133,550
1992	10,226	17,058	17,873	19,201	17,579	15,204	12,602	9,361	6,923	4,901	2,329	1,833	135,089
1993	10,250	16,836	17,440	19,172	18,062	15,548	13,265	9,823	7,063	4,825	2,304	1,859	136,448
1994	10,353	16,505	17,103	19,021	18,424	16,027	13,787	10,272	7,219	4,757	2,270	1,882	137,619
1995	10,547	16,134	16,950	18,760	18,712	16,650	14,223	10,725	7,353	4,726	2,234	1,904	138,919
1996	10,784	15,789	16,913	18,310	18,903	17,255	14,545	11,241	7,517	4,715	2,195	1,916	140,082
1997	11,060	15,675	16,825	17,780	18,944	17,730	14,754	11,857	7,781	4,734	2,153	1,905	141,198
1998	11,263	15,749	16,590	17,256	18,874	18,092	14,994	12,400	8,113	4,803	2,101	1,896	142,131
1999	11,404	15,960	16,268	16,846	18,727	18,359	15,381	12,840	8,438	4,888	2,056	1,882	143,049
2000	11,476	16,261	15,887	16,645	18,442	18,556	15,890	13,199	8,754	4,981	2,028	1,865	143,983
2005	11,542	17,404	15,936	15,451	16,240	17,975	17,531	14,689	10,788	6,004	2,061	1,705	147,326
2010	11,222	17,495	17,083	15,530	15,136	15,872	17,014	16,248	12,050	7,408	2,359	1,626	149,042
2015	10,826	17,006	17,226	16,711	15,258	14,864	15,084	15,794	13,328	8,256	2,887	1,826	149,065
2020	10,820	16,461	16,732	16,822	16,370	14,980	14,101	13,978	12,905	9,160	3,196	2,212	147,737
2025	11,140	16,512	16,209	16,353	16,481	16,067	14,229	13,076	11,407	8,875	3,347	2,531	146,227
2030	11,420	17,007	16,264	15,855	16,031	16,177	15,260	13,227	10,680	7,830	3,234	2,996	145,980
2035	11,366	17,371	16,744	15,910	15,548	15,737	15,364	14,182	10,839	7,327	2,864	3,153	146,405
2040	11,218	17,267	17,097	16,373	15,598	15,269	14,946	14,277	11,617	7,460	2,684	2,936	146,762
2045	11,181	17,056	16,994	16,713	16,047	15,322	14,506	13,887	11,889	8,015	2,734	2,746	146,891
2050	11,295	17,027	16,791	16,615	16,380	15,763	14,562	13,484	11,366	8,056	2,908	2,656	146,904
2055	11,434	17,210	16,766	16,422	16,289	16,088	14,993	13,544	11,044	7,823	2,932	2,795	147,328
2060	11,487	17,408	16,945	16,399	16,103	15,999	15,290	13,939	11,103	7,605	2,856	2,909	148,043
2065	11,464	17,474	17,138	16,572	16,080	15,819	15,209	14,229	11,431	7,648	2,781	2,893	148,740
Alternative II-B: Male													
1986	5,470	10,052	10,699	9,803	8,370	6,493	5,209	4,423	4,142	3,072	1,351	1,032	70,115
1987	5,446	9,647	10,569	9,914	8,577	6,871	5,372	4,417	4,080	3,033	1,377	1,059	70,362
1988	5,460	9,290	10,436	10,063	8,735	7,216	5,613	4,487	3,993	2,990	1,416	1,102	70,801
1989	5,459	9,091	10,346	10,232	8,985	7,527	5,828	4,578	3,918	2,943	1,417	1,115	71,439
1990	5,356	9,013	10,215	10,374	9,262	7,899	6,005	4,676	3,878	2,904	1,414	1,132	72,126
1991	5,230	9,033	10,017	10,488	9,552	8,231	6,252	4,810	3,867	2,883	1,404	1,156	72,924
1992	5,183	9,009	9,765	10,516	9,820	8,401	6,604	4,997	3,883	2,845	1,390	1,177	73,591
1993	5,200	8,888	9,514	10,475	10,060	8,567	6,934	5,222	3,941	2,803	1,380	1,196	74,179
1994	5,247	8,707	9,313	10,378	10,231	8,791	7,236	5,414	4,008	2,785	1,362	1,211	74,663
1995	5,342	8,503	9,209	10,222	10,361	9,048	7,592	5,568	4,078	2,748	1,345	1,225	75,242
1996	5,458	8,312	9,170	9,968	10,435	9,288	7,889	5,765	4,167	2,744	1,325	1,234	75,754
1997	5,588	8,236	9,101	9,670	10,424	9,508	8,031	6,077	4,313	2,747	1,303	1,232	76,230
1998	5,698	8,276	8,968	9,389	10,358	9,697	8,163	6,364	4,498	2,792	1,276	1,228	76,707
1999	5,777	8,385	8,790	9,172	10,252	9,832	8,358	6,630	4,660	2,844	1,253	1,222	77,175
2000	5,816	8,536	8,580	9,064	10,072	9,925	8,569	6,935	4,784	2,903	1,237	1,212	77,632
2005	5,865	9,157	8,645	8,447	8,911	9,609	9,400	7,847	6,005	3,501	1,269	1,134	79,790
2010	5,711	9,224	9,272	8,518	8,330	8,515	9,118	8,624	6,802	4,383	1,443	1,100	81,040
2015	5,510	8,977	9,366	9,153	8,434	8,001	8,121	8,384	7,477	4,978	1,801	1,243	81,445
2020	5,507	8,691	9,103	9,210	9,025	8,071	7,614	7,446	7,230	5,472	2,016	1,502	80,890
2025	5,671	8,719	8,826	8,958	9,083	8,637	7,691	6,988	6,421	5,314	2,112	1,793	80,211
2030	5,814	8,980	8,858	8,693	8,839	8,695	8,227	7,072	6,032	4,722	2,022	2,061	80,013
2035	5,787	9,173	9,118	8,726	8,582	8,465	8,283	7,565	6,122	4,425	1,816	2,157	80,219
2040	5,711	9,119	9,307	8,977	8,614	8,221	8,067	7,617	6,122	4,517	1,707	2,009	80,413
2045	5,692	9,009	9,253	9,160	8,860	8,253	7,838	7,418	6,589	4,830	1,733	1,901	80,536
2050	5,751	8,994	9,145	9,108	9,040	8,487	7,871	7,212	6,417	4,861	1,855	1,877	80,618
2055	5,822	9,091	9,133	9,006	8,991	8,660	8,095	7,246	6,245	4,731	1,866	1,931	80,814
2060	5,849	9,196	9,231	8,996	8,892	8,615	8,259	7,455	6,280	4,606	1,823	2,010	81,211
2065	5,837	9,231	9,336	9,091	8,883	8,522	8,219	7,609	6,464	4,635	1,780	2,002	81,609
Female													
1986	5,049	8,222	7,994	7,324	5,839	5,257	4,081	3,464	3,085	2,230	935	600	54,079
1987	5,046	8,051	8,103	7,632	6,014	5,658	4,289	3,528	3,030	2,209	947	607	55,114
1988	5,081	7,872	8,168	7,867	6,225	6,022	4,540	3,640	2,974	2,178	951	613	56,131
1989	5,069	7,772	8,226	8,075	6,520	6,311	4,825	3,782	2,953	2,151	952	619	57,255
1990	4,958	7,751	8,212	8,263	6,923	6,481	5,158	3,928	2,955	2,123	949	627	58,326
1991	4,842	7,810	8,106	8,437	7,349	6,610	5,538	4,093	2,975	2,102	940	638	59,439
1992	4,797	7,820	7,952	8,537	7,676	6,749	5,918	4,296	3,017	2,072	927	648	60,409
1993	4,813	7,729	7,781	8,559	7,922	6,930	6,251	4,532	3,099	2,038	914	656	61,224
1994	4,865	7,584	7,649	8,508	8,114	7,184	6,479	4,785	3,191	2,008	896	662	61,925
1995	4,960	7,421	7,600	8,405	8,271	7,546	6,558	5,080	3,259	1,994	876	668	62,638
1996	5,075	7,271	7,604	8,212	8,388	7,908	6,579	5,395	3,334	1,987	856	670	63,278
1997	5,195	7,219	7,574	7,973	8,432	8,152	6,632	5,679	3,444	1,990	839	668	63,797
1998	5,298	7,268	7,482	7,740	8,426	8,320	6,736	5,926	3,586	2,014	816	666	64,279
1999	5,370	7,384	7,350	7,556	8,385	8,447	6,923	6,090	3,742	2,040	794	662	64,743
2000	5,404	7,538	7,185	7,464	8,278	8,544	7,212	6,133	3,925	2,072	779	653	65,188
2005	5,446	8,091	7,207	6,992	7,284	8,320	8,045	6,722	4,747	2,522	7		

Table A7.—OASDI Covered Workers by Alternative, Calendar Year, Sex and Age Group —Continued
[in thousands]

Year	Age Group												Total (16+)
	16-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70+	
Alternative II-B: (Cont.)													
Female (Cont.)													
2035	5,359	8,051	7,548	7,118	6,933	7,242	7,016	6,512	4,690	2,916	1,070	1,015	65,470
2040	5,289	8,002	7,709	7,328	6,951	7,018	6,817	6,554	5,044	2,973	1,000	945	65,630
2045	5,271	7,903	7,662	7,484	7,152	7,040	6,607	6,367	5,072	3,196	1,017	893	65,664
2050	5,325	7,889	7,567	7,438	7,305	7,245	6,630	6,173	4,922	3,207	1,101	871	65,674
2055	5,390	7,974	7,553	7,348	7,263	7,396	6,824	6,198	4,773	3,105	1,090	881	65,796
2060	5,415	8,065	7,634	7,335	7,176	7,253	6,966	6,361	4,796	3,011	1,061	917	66,109
2065	5,404	8,095	7,721	7,412	7,162	7,266	6,926	6,515	4,940	3,026	1,028	909	66,404
Total													
1986	10,519	18,274	18,693	17,127	14,209	11,749	9,290	7,887	7,227	5,302	2,286	1,832	124,194
1987	10,492	17,698	18,672	17,546	14,591	12,529	9,660	7,945	7,110	5,242	2,323	1,667	125,476
1988	10,540	17,162	18,604	17,929	14,960	13,238	10,153	8,127	6,967	5,169	2,368	1,715	126,932
1989	10,528	16,863	18,571	18,307	15,505	13,838	10,653	8,360	6,871	5,094	2,369	1,734	128,694
1990	10,313	16,763	18,427	18,637	16,184	14,380	11,163	8,604	6,833	5,027	2,363	1,759	130,452
1991	10,072	16,843	18,123	18,926	16,901	14,840	11,791	8,904	6,842	4,985	2,344	1,794	132,363
1992	9,980	16,828	17,717	19,053	17,497	15,150	12,522	9,293	6,900	4,917	2,317	1,825	134,000
1993	10,013	16,617	17,295	19,034	17,982	15,496	13,185	9,754	7,040	4,841	2,294	1,852	135,403
1994	10,113	16,291	16,962	18,886	18,345	15,974	13,715	10,199	7,199	4,773	2,258	1,873	136,588
1995	10,302	15,925	16,810	18,627	18,633	16,594	14,149	10,648	7,337	4,742	2,221	1,893	137,880
1996	10,533	15,583	16,773	18,180	18,823	17,196	14,468	11,160	7,500	4,731	2,181	1,904	139,032
1997	10,784	15,454	16,675	17,643	18,855	17,660	14,663	11,757	7,758	4,737	2,142	1,900	140,027
1998	10,996	15,544	16,451	17,129	18,784	18,017	14,899	12,290	8,083	4,806	2,093	1,894	140,986
1999	11,147	15,770	16,140	16,728	18,637	18,279	15,281	12,720	8,402	4,884	2,046	1,884	141,918
2000	11,220	16,074	15,765	16,529	18,350	18,469	15,781	13,068	8,709	4,975	2,016	1,865	142,820
2005	11,312	17,248	15,852	15,379	16,195	17,929	17,445	14,569	10,751	6,023	2,054	1,711	146,468
2010	11,005	17,348	17,004	15,467	15,104	15,842	16,943	16,127	12,019	7,421	2,363	1,835	148,276
2015	10,617	16,864	17,147	16,644	15,227	14,837	15,022	15,679	13,296	8,306	2,898	1,838	148,375
2020	10,611	16,322	16,655	16,754	16,337	14,953	14,044	13,877	12,876	9,171	3,226	2,228	147,005
2025	10,925	16,373	16,134	16,287	16,448	16,037	14,170	12,981	11,382	8,887	3,401	2,634	145,658
2030	11,199	16,863	16,187	15,789	15,997	16,146	15,195	13,129	10,656	7,850	3,249	3,016	145,277
2035	11,146	17,225	16,666	15,844	15,514	15,707	15,299	14,077	10,813	7,341	2,886	3,172	145,689
2040	11,000	17,121	17,016	16,305	15,565	15,239	14,883	14,171	11,590	7,490	2,708	2,954	146,043
2045	10,964	16,912	16,915	16,643	16,013	15,293	14,445	13,785	11,661	8,026	2,750	2,793	146,200
2050	11,076	16,883	16,713	16,546	16,345	15,733	14,501	13,385	11,399	8,068	2,956	2,748	146,292
2055	11,212	17,064	16,687	16,353	16,254	16,056	14,919	13,443	11,018	7,836	2,956	2,812	146,609
2060	11,263	17,261	16,865	16,331	16,068	15,968	15,225	13,836	11,077	7,617	2,883	2,927	147,321
2065	11,241	17,326	17,057	16,503	16,045	15,768	15,144	14,124	11,404	7,661	2,808	2,911	148,014
Alternative III:													
Male													
1986	5,462	10,036	10,683	9,788	8,357	6,483	5,201	4,417	4,135	3,067	1,349	1,031	70,007
1987	5,268	9,523	10,496	9,871	8,596	6,895	5,360	4,382	4,071	3,065	1,394	1,075	69,996
1988	4,913	8,938	10,215	9,893	8,717	7,244	5,558	4,382	3,947	3,032	1,428	1,121	69,388
1989	4,993	8,760	10,110	10,040	8,932	7,523	5,758	4,471	3,858	2,970	1,397	1,111	69,925
1990	4,550	8,459	9,849	10,077	9,219	7,937	5,904	4,496	3,801	3,005	1,429	1,159	69,883
1991	4,499	8,512	9,656	10,163	9,449	8,222	6,135	4,635	3,773	2,955	1,371	1,148	70,519
1992	4,543	8,545	9,444	10,219	9,728	8,398	6,499	4,839	3,805	2,914	1,366	1,173	71,472
1993	4,648	8,491	9,234	10,208	9,972	8,562	6,842	5,084	3,876	2,864	1,353	1,189	72,324
1994	4,776	8,376	9,072	10,144	10,152	8,791	7,163	5,300	3,958	2,821	1,337	1,203	73,094
1995	4,936	8,224	8,997	10,012	10,286	9,050	7,533	5,475	4,041	2,800	1,319	1,216	73,892
1996	5,114	8,077	8,982	9,779	10,361	9,290	7,845	5,692	4,141	2,792	1,302	1,227	74,601
1997	5,220	7,982	8,889	9,461	10,331	9,499	7,974	5,989	4,281	2,814	1,277	1,209	74,925
1998	5,338	8,024	8,751	9,174	10,247	9,674	8,100	6,273	4,463	2,853	1,261	1,236	75,394
1999	5,426	8,135	8,568	8,950	10,123	9,794	8,290	6,536	4,623	2,898	1,233	1,211	75,787
2000	5,460	8,277	8,347	8,831	9,926	9,870	8,491	6,832	4,742	2,939	1,218	1,201	76,133
2005	5,415	8,843	8,342	8,167	8,704	9,483	9,271	7,707	5,943	3,539	1,251	1,135	77,802
2010	5,000	8,740	8,900	8,198	8,089	8,341	8,942	8,445	6,730	4,452	1,442	1,143	78,423
2015	4,583	8,081	8,801	8,787	8,163	7,796	7,909	8,164	7,385	5,024	1,805	1,308	77,805
2020	4,369	7,439	8,124	8,671	8,721	7,841	7,376	7,197	7,107	5,547	2,022	1,602	76,016
2025	4,292	7,122	7,495	8,018	8,514	8,383	7,429	6,716	6,266	5,360	2,090	1,885	73,660
2030	4,172	6,981	7,184	7,407	7,971	8,284	7,940	6,778	5,856	4,720	2,018	2,244	71,556
2035	4,013	6,799	7,045	7,105	7,368	7,670	7,845	7,246	5,933	4,405	1,781	2,364	69,575
2040	3,793	6,527	6,862	6,968	7,069	7,092	7,266	7,159	6,342	4,494	1,680	2,208	67,460
2045	3,605	6,174	6,590	6,788	6,933	6,804	6,721	6,629	6,261	4,806	1,697	2,040	65,048
2050	3,473	5,879	6,238	6,521	6,755	6,675	6,451	6,136	5,798	4,741	1,812	2,017	62,496
2055	3,365	5,671	5,945	6,178	6,492	6,505	6,330	5,895	5,373	4,386	1,797	2,135	60,071
2060	3,245	5,495	5,739	5,893	6,155	6,255	6,171	5,787	5,168	4,069	1,668	2,215	57,859
2065	3,108	5,297	5,563	5,691	5,873	5,932	5,936	5,647	5,080	3,919	1,554	2,143	55,742
Female													
1986	5,058	8,236	8,008	7,337	5,849	5,266	4,088	3,470	3,090	2,234	937	601	54,175
1987	4,935	7,887	8,005	7,569	5,987	5,638	4,264	3,526	3,057	2,237	953	614	54,671
1988	4,713	7,402	7,831	7,625	6,088	5,901	4,422	3,585	3,000	2,217	946	608	54,337
1989	4,753	7,360	7,913	7,838	6,378	6,189	4,706	3,722	2,964	2,175	945	614	55,558
1990	4,403	7,038	7,687	7,841	6,667	6,269	4,938	3,827	2,987	2,175	939	621	55,393
1991	4,339	7,180	7,634	8,026	7,080	6,393	5,310	3,976	2,980	2,131	923	622	56,594
1992	4,358	7,263	7,547	8,160	7,428	6,554	5,705	4,186	3,020	2,099	915	636	57,870
1993	4,436	7,260	7,443	8,231	7,699	6,757	6,061	4,429	3,096	2,060	905	645	59,021
1994	4,545	7,196	7,366	8,241	7,920	7,033	6,327	4,689	3,186	2,027	890	653	60,073
1995	4,687	7,099	7,358	8,175	8,110	7,4							

Table A7.—OASDI Covered Workers by Alternative, Calendar Year, Sex and Age Group —Continued
[in thousands]

Year	Age Group											Total (16+)	
	16-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69		70+
Alternative III: (Cont.)													
Female (Cont.)													
2035	3,791	5,959	5,879	5,723	5,913	6,368	6,480	6,033	4,388	2,663	952	1,050	55,200
2040	3,584	5,720	5,727	5,616	5,666	5,874	5,991	5,958	4,711	2,705	893	1,005	53,440
2045	3,406	5,409	5,500	5,472	5,558	5,630	5,516	5,496	4,644	2,898	890	909	51,329
2050	3,281	5,150	5,204	5,257	5,417	5,524	5,299	5,071	4,276	2,843	951	883	49,147
2055	3,179	4,968	4,957	4,976	5,206	5,384	5,191	4,865	3,945	2,606	922	892	47,099
2060	3,065	4,814	4,784	4,742	4,931	5,175	5,061	4,777	3,789	2,403	848	921	45,311
2065	2,936	4,639	4,639	4,579	4,701	4,903	4,865	4,659	3,723	2,308	781	883	43,616
Total													
1986	10,520	18,273	18,690	17,124	14,207	11,749	9,289	7,887	7,226	5,301	2,286	1,631	124,182
1987	10,203	17,410	18,501	17,440	14,583	12,533	9,623	7,907	7,128	5,303	2,347	1,690	124,667
1988	9,627	16,340	18,046	17,518	14,804	13,145	9,980	7,967	6,946	5,249	2,374	1,729	123,725
1989	9,746	16,121	18,023	17,878	15,310	13,712	10,464	8,193	6,823	5,146	2,342	1,725	125,483
1990	8,953	15,497	17,536	17,918	15,886	14,206	10,842	8,323	6,787	5,180	2,368	1,781	125,276
1991	8,838	15,693	17,290	18,189	16,529	14,615	11,445	8,611	6,754	5,086	2,294	1,770	127,113
1992	8,901	15,808	16,990	18,379	17,157	14,952	12,204	9,024	6,825	5,012	2,280	1,809	129,342
1993	9,084	15,752	16,676	18,439	17,671	15,320	12,904	9,512	6,972	4,923	2,258	1,834	131,345
1994	9,321	15,572	16,438	18,385	18,073	15,825	13,490	9,989	7,144	4,848	2,227	1,856	133,167
1995	9,624	15,324	16,355	18,187	18,397	16,463	13,995	10,468	7,318	4,810	2,192	1,877	135,010
1996	9,959	15,084	16,378	17,795	18,608	17,081	14,355	11,008	7,501	4,794	2,157	1,892	136,612
1997	10,164	14,913	16,233	17,213	18,596	17,503	14,511	11,568	7,744	4,813	2,113	1,881	137,252
1998	10,387	15,013	16,005	16,687	18,493	17,828	14,728	12,079	8,057	4,869	2,076	1,912	138,136
1999	10,551	15,248	15,692	16,275	18,315	18,055	15,089	12,489	8,360	4,936	2,030	1,890	138,930
2000	10,609	15,536	15,298	16,050	17,992	18,203	15,556	12,807	8,649	4,996	1,993	1,871	139,562
2005	10,524	16,618	15,293	14,811	15,748	17,511	17,087	14,201	10,632	6,023	2,033	1,747	142,227
2010	9,721	16,412	16,357	14,833	14,613	15,344	16,472	15,642	11,842	7,411	2,348	1,715	142,710
2015	8,913	15,163	16,176	15,920	14,703	14,281	14,482	15,090	13,040	8,228	2,882	1,948	140,826
2020	8,497	13,958	14,918	15,703	15,747	14,343	13,456	13,234	12,526	9,075	3,180	2,357	136,995
2025	8,328	13,363	13,751	14,500	15,562	15,362	13,536	12,298	10,969	8,714	3,290	2,760	132,433
2030	8,114	13,100	13,176	13,379	14,387	15,181	14,499	12,398	10,200	7,607	3,132	3,236	128,410
2035	7,805	12,758	12,923	12,827	13,281	14,039	14,326	13,279	10,321	7,069	2,733	3,414	124,775
2040	7,378	12,247	12,589	12,583	12,734	12,966	13,247	13,116	11,053	7,199	2,574	3,213	120,900
2045	7,011	11,584	12,090	12,260	12,491	12,435	12,237	12,125	10,905	7,704	2,586	2,949	116,376
2050	6,754	11,029	11,442	11,777	12,172	12,199	11,740	11,207	10,074	7,585	2,763	2,900	111,642
2055	6,545	10,638	10,902	11,154	11,698	11,889	11,521	10,760	9,318	6,992	2,719	3,027	107,164
2060	6,310	10,309	10,523	10,635	11,086	11,430	11,232	10,564	8,957	6,471	2,516	3,136	103,170
2065	6,044	9,936	10,202	10,270	10,573	10,835	10,802	10,306	8,803	6,226	2,335	3,026	99,358

Note: The covered workers are the wage-and-salary and self-employed workers who have earned at least \$1 in employment covered by Social Security during the year. The age group, 16-19, includes a relatively small number of workers under age 16.

Table A8.—Comparison of OASDI Covered Workers to Workers in the U.S. Economy

Year	Workers in the U.S. Economy (000)			OASDI Covered Workers (000)			Ratio of OASDI Covered Workers to Workers in the U.S. Economy		
	Wage and Salary	Self Employed	Total	Wage and Salary	Self Employed	Total	Wage and Salary	Self Employed	Total
Past Experience:									
1951	56,499	9,699	63,029	54,630	4,190	58,122	9,669	.4320	.9221
1952	57,790	9,637	63,849	56,060	4,240	59,582	9,701	.4400	.9332
1953	59,011	9,475	64,725	57,220	4,340	60,843	9,696	.4580	.9400
1954	57,484	9,329	63,468	55,940	4,350	59,610	9,731	.4663	.9392
1955	59,184	9,149	65,215	59,560	6,810	65,200	1,0064	.7443	.9998
1956	60,955	8,981	66,660	61,560	7,390	67,610	1,0099	.8228	1.0143
1957	61,424	8,821	66,872	64,730	7,150	70,589	1,0538	.8106	1.0556
1958	59,961	8,611	65,675	64,040	7,130	69,769	1,0680	.8280	1.0623
1959	61,715	8,428	67,180	66,000	7,060	71,698	1,0694	.8377	1.0673
1960	62,817	8,305	68,295	66,980	6,870	72,530	1,0663	.8272	1.0620
1961	63,024	8,177	68,320	67,360	6,790	72,820	1,0688	.8304	1.0659
1962	64,724	8,009	69,531	68,890	6,720	74,280	1,0644	.8391	1.0683
1963	65,780	7,722	70,505	70,310	6,590	75,540	1,0689	.8534	1.0714
1964	67,447	7,652	72,038	72,230	6,480	77,430	1,0709	.8468	1.0748
1965	69,877	7,526	73,808	75,430	6,550	80,680	1,0795	.8703	1.0931
1966	73,718	7,271	76,020	79,460	6,630	84,600	1,0779	.9118	1.1129
1967	75,658	7,188	77,817	82,020	6,470	87,040	1,0841	.9001	1.1185
1968	77,831	7,115	79,454	84,470	6,570	89,380	1,0853	.9234	1.1249
1969	80,091	7,199	81,406	87,200	6,350	92,060	1,0888	.8821	1.1309
1970	80,003	7,097	81,960	88,180	6,270	93,090	1,1022	.8835	1.1372
1971	79,819	7,142	82,170	88,460	6,290	93,340	1,1083	.8807	1.1359
1972	81,856	7,234	84,598	91,220	6,600	96,240	1,1144	.9124	1.1376
1973	85,484	7,316	87,385	94,610	7,100	99,830	1,1068	.9705	1.1424
1974	86,866	7,527	89,007	96,190	7,040	101,330	1,1073	.9353	1.1384
1975	85,347	7,506	88,019	94,900	7,000	100,200	1,1119	.9326	1.1384
1976	87,708	7,495	90,893	97,230	7,400	102,600	1,1086	.9873	1.1288
1977	90,734	7,758	94,148	100,450	7,480	105,800	1,1071	.9642	1.1238
1978	95,114	8,118	98,161	104,010	8,040	110,600	1,0935	.9904	1.1267
1979	98,076	8,416	100,908	106,920	8,180	112,700	1,0902	.9720	1.1169
1980	98,400	8,658	101,402	107,200	8,200	113,000	1,0894	.9471	1.1144
1981	99,205	8,753	102,538	107,500	8,290	113,303	1,0836	.9471	1.1050
1982	97,832	8,923	101,694	106,500	8,500	112,600	1,0886	.9526	1.1072
1983	98,670	9,213	103,030	107,000	9,000	113,400	1,0844	.9769	1.1007
1984	103,289	9,412	107,228	112,050	9,600	118,500	1,0848	1.0200	1.1051
1985	106,018	9,328	109,416	115,030	9,600	121,830	1,0850	1.0292	1.1135
Alternative I:									
1986	108,277	9,381	111,694	117,376	9,660	124,194	1,0840	1.0298	1.1119
1987	109,955	9,804	113,527	118,948	9,772	125,840	1,0818	.9967	1.1085
1988	111,651	10,132	115,342	120,927	9,960	127,933	1,0831	.9831	1.1092
1989	113,716	10,495	117,539	123,046	10,124	130,151	1,0820	.9647	1.1073
1990	115,530	10,842	119,480	125,060	10,261	132,234	1,0825	.9464	1.1067
1991	117,310	11,140	121,368	127,070	10,482	134,390	1,0832	.9409	1.1073
1992	118,720	11,422	122,881	128,656	10,644	136,099	1,0837	.9319	1.1076
1993	119,830	11,676	124,083	129,889	10,826	137,473	1,0839	.9272	1.1079
1994	120,849	11,929	125,195	130,906	11,026	138,645	1,0832	.9243	1.1074
1995	121,869	12,188	126,309	132,059	11,233	139,957	1,0836	.9217	1.1081
1996	122,882	12,511	127,440	133,019	11,488	141,127	1,0825	.9182	1.1074
1997	124,612	12,687	129,234	134,429	11,606	142,620	1,0788	.9147	1.1036
1998	125,678	12,796	130,339	135,528	11,696	143,783	1,0784	.9141	1.1031
1999	126,738	12,904	131,439	136,613	11,786	144,931	1,0779	.9133	1.1026
2000	127,863	13,018	132,605	137,749	11,879	146,133	1,0773	.9125	1.1020
2005	132,125	13,452	137,025	142,063	12,228	150,693	1,0752	.9090	1.0997
2010	134,564	13,701	139,555	144,886	12,448	153,672	1,0767	.9086	1.1012
2015	135,527	13,799	140,554	146,550	12,577	155,427	1,0813	.9115	1.1058
2020	135,955	13,842	140,998	147,365	12,647	156,291	1,0839	.9136	1.1085
2025	136,638	13,912	141,706	148,548	12,748	157,546	1,0872	.9164	1.1118
2030	138,874	14,140	144,025	151,277	12,983	160,440	1,0893	.9182	1.1140
2035	142,385	14,497	147,666	155,119	13,312	164,514	1,0894	.9183	1.1141
2040	146,208	14,886	151,131	159,160	13,659	168,800	1,0886	.9176	1.1132
2045	150,043	15,277	155,608	163,276	14,012	173,166	1,0882	.9172	1.1128
2050	154,166	15,697	159,884	167,803	14,401	177,967	1,0885	.9175	1.1131
2055	158,786	16,167	164,675	172,894	14,838	183,366	1,0889	.9178	1.1135
2060	163,807	16,678	169,882	178,358	15,307	189,161	1,0888	.9178	1.1135
2065	168,933	17,200	175,199	183,888	15,781	195,026	1,0885	.9175	1.1132
Alternative II-A:									
1986	108,277	9,381	111,694	117,373	9,662	124,194	1,0840	1.0300	1.1119
1987	109,847	9,798	113,416	118,822	9,754	125,707	1,0817	.9955	1.1084
1988	111,341	10,112	115,025	120,539	9,933	127,536	1,0826	.9823	1.1088
1989	113,286	10,465	117,098	122,487	10,106	129,591	1,0812	.9657	1.1067
1990	115,030	10,806	118,966	124,393	10,242	131,570	1,0814	.9478	1.1059
1991	116,669	11,093	120,710	126,230	10,448	133,550	1,0820	.9418	1.1064
1992	117,960	11,364	122,100	127,637	10,620	135,089	1,0820	.9345	1.1064
1993	119,061	11,615	123,292	128,850	10,808	136,448	1,0822	.9305	1.1067
1994	120,089	11,868	124,412	129,864	11,008	137,619	1,0814	.9275	1.1062
1995	121,102	12,125	125,519	131,006	11,214	138,919	1,0818	.9249	1.1068
1996	122,108	12,447	126,642	131,957	11,469	140,082	1,0807	.9215	1.1061
1997	122,705	12,507	127,261	133,011	11,556	141,198	1,0840	.9239	1.1095
1998	123,605	12,599	128,195	133,893	11,628	142,131	1,0832	.9230	1.1087
1999	124,503	12,691	129,126	134,761	11,700	143,049	1,0824	.9219	1.1078
2000	125,430	12,785	130,087	135,644	11,772	143,983	1,0814	.9207	1.1068
2005	128,923	13,141	133,710	138,808	12,024	147,326	1,0767	.9150	1.1018
2010	130,425	13,294	135,268	140,440	12,143	149,042	1,0768	.9134	1.1018
2015	130,013	13,252	134,841	140,471	12,132	149,065	1,0804	.9154	1.1055
2020	128,649	13,113	133,426	139,219	12,023	147,737	1,0822	.9169	1.1073
2025	127,066	12,952	131,784	137,796	11,901	146,227	1,0844	.9188	1.1096

Table A8.—Comparison of OASDI Covered Workers to Workers in the U.S. Economy —Continued

Year	Workers in the U.S. Economy (000)			OASDI Covered Workers (000)			Ratio of OASDI Covered Workers to Workers in the U.S. Economy		
	Wage and Salary	Self Employed	Total	Wage and Salary	Self Employed	Total	Wage and Salary	Self Employed	Total
Alternative II-A: (Cont.)									
2030	126,711	12,916	131,416	137,564	11,880	145,980	1.0856	.9198	1.1108
2035	127,123	12,958	131,843	137,964	11,915	146,405	1.0853	.9195	1.1104
2040	127,539	13,000	132,275	138,300	11,944	146,762	1.0844	.9188	1.1095
2045	127,678	13,014	132,419	138,422	11,955	146,891	1.0841	.9186	1.1093
2050	127,642	13,011	132,381	138,434	11,956	146,904	1.0846	.9189	1.1097
2055	127,963	13,043	132,714	138,834	11,990	147,328	1.0850	.9193	1.1101
2060	128,588	13,107	133,363	139,508	12,048	148,043	1.0849	.9192	1.1101
2065	129,233	13,173	134,032	140,164	12,105	148,740	1.0846	.9189	1.1097
Alternative II-B:									
1986	108,277	9,381	111,694	117,365	9,661	124,194	1.0839	1.0298	1.1119
1987	109,624	9,785	113,188	118,605	9,721	125,476	1.0819	.9934	1.1086
1988	110,888	10,082	114,561	119,938	9,907	126,932	1.0816	.9826	1.1080
1989	112,582	10,416	116,376	121,596	10,066	128,694	1.0801	.9664	1.1058
1990	114,179	10,744	118,093	123,270	10,210	130,452	1.0796	.9503	1.1047
1991	115,778	11,027	119,795	125,029	10,424	132,363	1.0799	.9454	1.1049
1992	117,163	11,302	121,280	126,527	10,610	134,000	1.0799	.9387	1.1049
1993	118,279	11,554	122,488	127,793	10,787	135,403	1.0804	.9336	1.1054
1994	119,314	11,806	123,615	128,820	10,991	136,588	1.0797	.9310	1.1049
1995	120,328	12,060	124,721	129,952	11,199	137,880	1.0800	.9285	1.1055
1996	121,327	12,390	125,837	130,993	11,454	139,032	1.0788	.9252	1.1049
1997	121,731	12,422	126,256	131,833	11,531	140,027	1.0830	.9283	1.1091
1998	122,568	12,507	127,124	132,739	11,606	140,986	1.0830	.9280	1.1090
1999	123,389	12,591	127,976	133,619	11,679	141,918	1.0829	.9276	1.1089
2000	124,200	12,674	126,817	134,471	11,749	142,620	1.0827	.9271	1.1087
2005	127,569	13,017	132,311	137,921	12,028	146,468	1.0811	.9240	1.1070
2010	129,067	13,170	133,865	139,639	12,155	148,276	1.0819	.9229	1.1077
2015	128,712	13,134	133,496	139,741	12,150	148,375	1.0857	.9251	1.1115
2020	127,340	12,994	132,073	138,498	12,042	147,055	1.0876	.9267	1.1134
2025	125,859	12,843	130,537	137,183	11,927	145,658	1.0900	.9287	1.1158
2030	125,406	12,797	130,068	136,824	11,896	145,277	1.0910	.9296	1.1169
2035	125,809	12,838	130,486	137,212	11,930	145,689	1.0906	.9293	1.1165
2040	126,221	12,880	130,913	137,545	11,959	146,043	1.0897	.9285	1.1156
2045	126,380	12,896	131,078	137,693	11,972	146,200	1.0895	.9283	1.1154
2050	126,407	12,899	131,106	137,780	11,979	146,292	1.0900	.9287	1.1158
2055	126,639	12,922	131,346	138,078	12,005	146,609	1.0903	.9290	1.1162
2060	127,261	12,986	131,991	138,749	12,064	147,321	1.0903	.9290	1.1161
2065	127,899	13,051	132,653	139,401	12,120	148,014	1.0899	.9287	1.1158
Alternative III:									
1986	108,277	9,381	111,694	117,354	9,661	124,194	1.0838	1.0299	1.1119
1987	108,599	9,728	112,143	117,884	9,525	124,667	1.0855	.9791	1.1117
1988	108,054	9,890	111,657	116,743	9,790	123,725	1.0804	.9899	1.1081
1989	110,159	10,247	113,892	118,378	9,976	125,483	1.0746	.9736	1.1018
1990	109,817	10,433	113,618	118,137	9,953	125,276	1.0758	.9540	1.1026
1991	111,911	10,732	115,821	119,676	10,445	127,113	1.0694	.9732	1.0975
1992	113,695	11,032	117,714	121,800	10,577	129,342	1.0713	.9587	1.0988
1993	115,273	11,311	119,393	123,663	10,780	131,345	1.0728	.9530	1.1001
1994	116,748	11,592	120,971	125,340	10,981	133,167	1.0736	.9473	1.1008
1995	118,187	11,876	122,513	127,032	11,188	135,010	1.0748	.9420	1.1020
1996	119,536	12,221	123,988	128,430	11,443	136,612	1.0744	.9363	1.1018
1997	118,817	12,148	123,242	129,035	11,492	137,252	1.0860	.9460	1.1137
1998	119,600	12,228	124,054	129,869	11,561	138,136	1.0859	.9455	1.1135
1999	120,313	12,301	124,794	130,619	11,624	138,930	1.0857	.9449	1.1133
2000	120,903	12,361	125,406	131,216	11,672	139,562	1.0853	.9443	1.1129
2005	123,563	12,633	128,165	133,737	11,874	142,227	1.0823	.9399	1.1097
2010	124,070	12,685	128,691	134,206	11,893	142,710	1.0817	.9376	1.1089
2015	122,153	12,489	126,702	132,443	11,723	140,826	1.0842	.9387	1.1115
2020	118,743	12,140	123,165	128,840	11,404	136,995	1.0850	.9394	1.1123
2025	114,687	11,726	118,958	124,550	11,025	132,433	1.0860	.9402	1.1133
2030	111,242	11,373	115,385	120,766	10,690	128,410	1.0856	.9399	1.1129
2035	108,204	11,063	112,234	117,348	10,387	124,775	1.0845	.9389	1.1117
2040	104,921	10,727	108,829	113,703	10,065	120,900	1.0837	.9382	1.1109
2045	100,952	10,321	104,712	109,449	9,688	116,376	1.0842	.9386	1.1114
2050	96,748	9,892	100,351	104,997	9,294	111,642	1.0853	.9396	1.1125
2055	92,813	9,489	96,270	100,785	8,921	107,164	1.0859	.9401	1.1132
2060	89,354	9,136	92,682	97,029	8,589	103,170	1.0859	.9401	1.1132
2065	86,078	8,801	89,284	93,444	8,271	99,358	1.0856	.9398	1.1128

Note: Totals are not equal to the sum of wage-and-salary and self-employed because workers with both types of employment during the year are included in each type.

Table A9.—Actual Gross National Product (1982\$), Potential Gross National Product (1982\$), and Related Full-Employment Components by Alternative

Year	Non-Inst. U.S. Population (16+) (000)	Full Employment ¹						Potential GNP82 (billions)	Ratio of Actual to Potential GNP82 (%)	Actual GNP82 (billions)
		Labor Force Part. Rate (%)	Labor Force (000)	Unemployment Rate (%)	Employment ² (000)	Productivity ³ (\$/hrpd)	Hours Paid per Week (hrpd/w)			
Past Experience:										
1951	107,692	60.0	64,581	4.2	61,855	9.13	43.9	1,289	103.1	1,329
1952	108,824	60.0	65,331	4.2	62,596	9.43	43.9	1,347	102.4	1,380
1953	110,599	59.8	66,182	4.1	63,446	9.69	43.9	1,404	102.2	1,435
1954	111,675	60.4	67,421	4.1	64,684	9.99	43.2	1,452	97.5	1,416
1955	112,704	60.3	67,961	4.1	65,180	10.13	43.3	1,486	100.6	1,495
1956	113,814	61.1	69,524	4.1	66,671	10.31	43.0	1,535	99.4	1,526
1957	115,066	60.9	70,124	4.1	67,262	10.70	42.4	1,586	97.8	1,551
1958	116,361	61.3	71,338	4.0	68,464	11.05	41.6	1,636	94.1	1,539
1959	117,880	60.7	71,579	4.1	68,670	11.27	42.0	1,690	96.4	1,629
1960	119,758	61.0	73,046	4.1	70,058	11.56	41.5	1,749	95.2	1,665
1961	121,342	61.1	74,097	4.1	71,060	11.88	41.2	1,809	94.4	1,709
1962	122,982	60.3	74,123	4.1	71,065	12.15	41.5	1,864	96.5	1,799
1963	125,157	60.1	75,210	4.2	72,077	12.53	41.2	1,935	96.8	1,873
1964	127,221	59.9	76,209	4.2	72,999	12.91	41.0	2,010	98.2	1,973
1965	129,232	59.7	77,136	4.3	73,816	13.13	41.3	2,084	100.2	2,088
1966	131,182	59.8	78,417	4.4	74,949	13.32	41.6	2,161	102.2	2,208
1967	133,331	60.4	80,529	4.4	76,951	13.57	41.3	2,244	101.2	2,271
1968	135,563	60.3	81,770	4.5	78,114	13.84	41.2	2,314	102.2	2,366
1969	137,841	60.9	83,905	4.5	80,125	13.92	41.2	2,388	101.5	2,423
1970	140,267	61.7	86,480	4.5	82,586	14.33	40.2	2,471	97.8	2,416
1971	143,024	61.4	87,764	4.5	83,790	14.69	39.8	2,546	97.6	2,485
1972	146,571	61.1	89,603	4.6	85,458	14.91	39.6	2,621	99.5	2,609
1973	149,417	61.1	91,357	4.7	87,047	15.11	39.5	2,702	101.6	2,744
1974	152,333	62.2	94,790	4.7	90,331	15.29	38.9	2,798	97.6	2,729
1975	155,330	62.9	97,720	4.7	93,167	15.54	38.4	2,890	93.3	2,695
1976	158,289	62.9	99,610	4.7	94,924	15.83	38.0	2,972	95.1	2,827
1977	161,166	63.3	101,940	4.8	97,096	15.88	38.0	3,049	97.0	2,959
1978	164,026	63.9	104,760	4.8	99,743	15.97	38.1	3,160	98.6	3,115
1979	166,946	64.4	107,520	4.8	102,390	16.00	38.1	3,247	98.3	3,192
1980	169,841	65.0	110,417	4.7	105,227	16.16	37.8	3,346	95.3	3,187
1981	172,272	65.2	112,292	4.7	107,063	16.38	37.5	3,421	95.0	3,249
1982	174,451	66.0	115,191	4.6	109,949	16.50	37.1	3,498	90.5	3,166
1983	176,414	65.9	116,257	4.5	111,004	16.70	37.1	3,580	91.6	3,279
1984	178,619	65.6	117,155	4.5	111,852	16.81	37.4	3,659	95.4	3,490
1985	180,465	66.0	119,170	4.5	113,807	16.96	37.5	3,766	95.2	3,585
Alternative I:										
1986	182,438	66.6	121,570	4.5	116,130	17.10	37.4	3,866	95.2	3,680
1987	184,557	66.7	123,040	4.5	117,480	17.39	37.5	3,982	95.7	3,811
1988	186,329	66.8	124,382	4.5	118,802	17.74	37.5	4,112	96.6	3,970
1989	187,919	66.8	125,593	4.4	120,008	18.11	37.6	4,244	97.4	4,134
1990	189,407	66.9	126,802	4.4	121,218	18.47	37.6	4,375	98.3	4,299
1991	190,931	67.1	128,054	4.4	122,467	18.82	37.6	4,509	99.1	4,470
1992	192,391	67.1	129,164	4.3	123,571	19.19	37.7	4,644	99.4	4,617
1993	193,978	67.2	130,298	4.3	124,684	19.57	37.7	4,784	99.4	4,755
1994	195,583	67.2	131,415	4.3	125,777	19.96	37.7	4,928	99.4	4,898
1995	197,264	67.2	132,575	4.3	126,907	20.36	37.8	5,076	99.4	5,045
1996	199,055	67.2	133,827	4.3	128,117	20.75	37.8	5,228	99.4	5,197
1997	200,859	67.5	135,495	4.3	129,718	21.17	37.9	5,404	99.3	5,367
1998	202,645	67.5	136,744	4.3	130,917	21.65	37.9	5,586	99.2	5,542
1999	204,410	67.5	137,987	4.3	132,112	22.15	37.9	5,772	99.1	5,722
2000	206,147	67.5	139,219	4.3	133,298	22.65	38.0	5,961	99.1	5,909
2005	214,765	67.0	143,833	4.2	137,740	25.34	38.2	6,926	99.1	6,865
2010	223,060	65.7	146,482	4.2	140,285	28.45	38.3	7,958	99.1	7,888
2015	230,594	64.0	147,543	4.2	141,299	32.05	38.5	9,075	99.1	8,996
2020	237,547	62.3	148,059	4.3	141,754	36.07	38.7	10,300	99.1	10,210
2025	244,204	61.0	148,898	4.3	142,478	40.63	38.9	11,719	99.1	11,617
2030	250,545	60.4	151,419	4.4	144,818	45.72	39.1	13,470	99.1	13,353
2035	256,027	60.6	155,265	4.4	148,481	51.35	39.3	15,589	99.1	15,454
2040	260,870	61.1	159,419	4.4	152,463	57.63	39.5	18,054	99.1	17,897
2045	265,913	61.5	163,595	4.4	156,459	64.70	39.7	20,905	99.1	20,723
2050	271,917	61.8	168,103	4.4	160,756	72.68	39.9	24,250	99.1	24,039
2055	278,976	62.1	173,157	4.4	165,575	81.65	40.1	28,201	99.1	27,956
2060	286,860	62.3	178,635	4.4	170,811	91.70	40.3	32,837	99.1	32,551
2065	295,210	62.4	184,214	4.4	176,155	102.96	40.5	38,212	99.1	37,880
Alternative II-A:										
1986	182,438	66.6	121,570	4.5	116,130	17.09	37.4	3,865	95.2	3,679
1987	184,557	66.7	123,015	4.5	117,457	17.36	37.4	3,969	95.4	3,788
1988	186,329	66.7	124,341	4.5	118,764	17.66	37.4	4,083	96.0	3,921
1989	187,919	66.8	125,542	4.4	119,961	17.98	37.4	4,200	96.8	4,063
1990	189,407	66.9	126,724	4.4	121,145	18.31	37.4	4,318	97.5	4,210
1991	190,931	67.0	127,977	4.4	122,395	18.62	37.4	4,437	98.1	4,353
1992	192,391	67.1	129,091	4.3	123,504	18.95	37.4	4,558	98.3	4,480
1993	193,978	67.1	130,181	4.3	124,575	19.28	37.4	4,677	98.3	4,597
1994	195,583	67.1	131,294	4.3	125,664	19.62	37.4	4,799	98.3	4,718
1995	197,264	67.2	132,465	4.3	126,805	19.95	37.4	4,925	98.3	4,841
1996	199,055	67.1	133,652	4.3	127,953	20.29	37.4	5,053	98.3	4,967
1997	200,859	67.1	134,147	4.3	128,437	20.75	37.4	5,189	98.3	5,099
1998	201,787	67.0	135,158	4.3	129,409	21.16	37.4	5,330	98.2	5,236
1999	203,519	66.9	136,166	4.3	130,378	21.57	37.4	5,475	98.2	5,376
2000	205,223	66.8	137,176	4.2	131,353	21.98	37.4	5,622	98.2	5,520
2005	213,536	66.0	140,962	4.2	135,006	24.17	37.4	6,353	98.2	6,239
2010	220,891	64.5	142,564	4.2	136,578	26.70	37.4	7,099	98.2	6,971
2015	226,907	62.6	142,075	4.2	136,142	29.61	37.4	7,847	98.2	7,706
2020	231,836	60.6	140,586	4.2	134,712	32.81	37.4	8,605	98.2	8,451

Table A9.--Actual Gross National Product (1982\$), Potential Gross National Product (1982\$), and Related Full-Employment Components by Alternative
--Continued

Year	Non-Inst. U.S. Population (16+) (000)	Full Employment ¹						Potential GNP82 (billions)	Ratio of Actual to Potential GNP82 (%)	Actual GNP82 (billions)
		Labor Force Part. Rate (%)	Labor Force (000)	Unemployment Rate (%)	Employment ² (000)	Productivity ³ (\$/hrpd)	Hours Paid per Week (hrpd/w)			
Alternative II-A: (Cont.)										
2025	235,907	58.9	138,908	4.2	133,059	36.38	37.4	9,424	98.2	9,255
2030	239,015	58.0	138,569	4.2	132,697	40.29	37.4	10,410	98.2	10,222
2035	240,857	57.7	139,024	4.2	133,131	44.57	37.4	11,552	98.2	11,344
2040	241,515	57.7	139,463	4.2	133,566	49.27	37.4	12,812	98.2	12,582
2045	241,715	57.8	139,604	4.2	133,709	54.51	37.4	14,189	98.2	13,933
2050	242,173	57.6	139,574	4.2	133,671	60.33	37.4	15,701	98.2	15,418
2055	243,031	57.6	139,938	4.2	134,009	66.78	37.4	17,422	98.2	17,109
2060	244,175	57.6	140,625	4.2	134,666	73.88	37.4	19,370	98.2	19,022
2065	245,388	57.6	141,322	4.2	135,340	81.72	37.4	21,533	98.2	21,146
Alternative II-B:										
1986	182,438	66.6	121,570	4.5	116,130	17.09	37.4	3,864	95.2	3,678
1987	184,557	66.6	122,997	4.5	117,440	17.34	37.4	3,962	95.0	3,762
1988	186,329	66.7	124,303	4.5	118,728	17.61	37.4	4,066	95.3	3,875
1989	187,919	66.8	125,483	4.4	119,906	17.88	37.4	4,168	95.7	3,987
1990	189,407	66.9	126,646	4.4	121,072	18.15	37.4	4,269	96.2	4,107
1991	190,931	67.0	127,878	4.4	122,302	18.39	37.3	4,368	96.8	4,230
1992	192,391	67.0	128,973	4.3	123,393	18.65	37.3	4,467	97.2	4,342
1993	193,978	67.1	130,065	4.3	124,466	18.92	37.3	4,568	97.2	4,440
1994	195,583	67.1	131,160	4.3	125,538	19.19	37.3	4,671	97.2	4,541
1995	197,264	67.1	132,289	4.3	126,639	19.46	37.3	4,777	97.2	4,643
1996	199,055	67.1	133,468	4.3	127,790	19.74	37.3	4,885	97.2	4,749
1997	200,037	66.9	133,817	4.3	128,124	20.13	37.2	4,993	97.2	4,854
1998	201,787	66.8	134,701	4.3	128,975	20.46	37.2	5,107	97.2	4,967
1999	203,519	66.6	135,568	4.2	129,810	20.80	37.2	5,222	97.3	5,080
2000	205,223	66.5	136,442	4.2	130,654	21.14	37.2	5,341	97.3	5,195
2005	213,536	65.6	140,107	4.2	134,192	22.92	37.1	5,932	97.3	5,771
2010	220,891	64.2	141,707	4.2	135,761	24.91	37.0	6,505	97.3	6,328
2015	226,907	62.3	141,267	4.2	135,372	27.16	36.9	7,055	97.3	6,863
2020	231,836	60.3	139,756	4.2	133,920	29.60	36.8	7,587	97.3	7,380
2025	235,907	58.6	138,177	4.2	132,365	32.26	36.7	8,154	97.3	7,932
2030	239,015	57.6	137,730	4.2	131,897	35.13	36.6	8,824	97.3	8,584
2035	240,857	57.4	138,183	4.2	132,329	38.19	36.5	9,601	97.3	9,340
2040	241,515	57.4	138,622	4.2	132,764	41.51	36.4	10,443	97.3	10,159
2045	241,715	57.4	138,786	4.2	132,930	45.14	36.4	11,343	97.3	11,035
2050	242,173	57.3	138,823	4.2	132,957	49.12	36.3	12,315	97.3	11,980
2055	243,031	57.2	139,091	4.2	133,202	53.45	36.2	13,392	97.3	13,027
2060	244,175	57.2	139,777	4.2	133,857	58.14	36.1	14,601	97.3	14,204
2065	245,388	57.2	140,471	4.2	134,529	63.22	36.0	15,917	97.3	15,484
Alternative III:										
1986	182,438	66.6	121,570	4.5	116,130	17.09	37.4	3,863	95.2	3,676
1987	184,557	66.6	122,934	4.5	117,381	17.29	37.3	3,942	92.2	3,633
1988	186,329	66.6	124,176	4.5	118,609	17.49	37.3	4,018	91.5	3,678
1989	187,919	66.7	125,303	4.4	119,737	17.69	37.2	4,094	91.5	3,745
1990	189,407	66.7	126,415	4.4	120,855	17.89	37.1	4,168	89.5	3,732
1991	190,931	66.8	127,604	4.4	122,044	18.03	37.0	4,230	91.5	3,871
1992	192,391	66.9	128,649	4.3	123,087	18.16	36.9	4,288	92.5	3,964
1993	193,978	66.9	129,697	4.3	124,118	18.30	36.8	4,346	93.2	4,051
1994	195,583	66.8	130,740	4.3	125,142	18.47	36.7	4,411	93.9	4,140
1995	197,264	66.8	131,809	4.3	126,186	18.66	36.6	4,482	94.4	4,232
1996	199,055	66.8	132,952	4.3	127,293	18.84	36.5	4,554	94.9	4,322
1997	199,152	66.3	132,100	4.2	126,492	19.29	36.4	4,622	95.1	4,395
1998	200,853	66.1	132,778	4.2	127,146	19.57	36.3	4,701	95.2	4,478
1999	202,537	65.9	133,381	4.2	127,728	19.85	36.2	4,777	95.4	4,558
2000	204,193	65.6	133,989	4.2	128,317	20.14	36.2	4,858	95.4	4,635
2005	212,130	64.5	136,884	4.2	131,124	21.61	35.7	5,260	95.4	5,019
2010	218,390	62.9	137,339	4.2	131,634	23.24	35.3	5,608	95.4	5,351
2015	222,708	60.7	135,078	4.1	129,545	25.09	34.8	5,884	95.4	5,614
2020	225,423	58.2	131,207	4.1	125,875	27.07	34.4	6,092	95.4	5,813
2025	226,679	55.9	126,687	4.1	121,543	29.21	34.0	6,269	95.4	5,982
2030	226,319	54.3	122,859	4.1	117,877	31.47	33.5	6,470	95.4	6,174
2035	224,380	53.2	119,480	4.0	114,652	33.89	33.1	6,692	95.4	6,385
2040	220,794	52.5	115,828	4.0	111,170	36.50	32.7	6,901	95.4	6,585
2045	216,149	51.6	111,429	4.0	106,959	39.36	32.3	7,071	95.4	6,747
2050	211,100	50.6	106,780	4.0	102,494	42.47	31.9	7,220	95.4	6,890
2055	205,841	49.8	102,435	4.0	98,318	45.81	31.5	7,377	95.4	7,039
2060	200,406	49.2	98,613	4.0	94,649	49.37	31.1	7,559	95.4	7,213
2065	194,778	48.8	94,996	4.0	91,181	53.20	30.7	7,749	95.4	7,394

Note:

¹Full-employment reflects the assumed maximum sustainable level of economic growth.

²Employment is the average weekly employed labor force during the year.

³Potential GNP is calculated as the product of the full-employment values of employment, productivity, hours paid per week, and a value of 52 weeks per year.

Table A10.—Actual Gross National Product (1982\$), Nominal Gross National Product, and Related Actual-Employment Components by Alternative

Year	Non-Inst. U.S. Population (16+) (000)	Actual Employment						Actual GNP82 (billions)	GNP Deflator (%)	Nominal GNP (billions)
		Labor Force Part. Rate (%)	Labor Force (000)	Unemployment Rate (%)	Employment (000)	Productivity (\$/hrpd)	Hours Paid per Week (hrpd/w)			
Past Experience:										
1951	107,692	60.4	65,086	3.2	63,029	9.24	43.9	1,329	25.1	333
1952	108,824	60.4	65,731	2.9	63,849	9.47	43.9	1,380	25.5	352
1953	110,599	60.2	66,560	2.8	64,725	9.71	43.9	1,435	25.9	372
1954	111,675	60.0	67,000	5.3	63,468	9.93	43.2	1,416	26.3	372
1955	112,704	60.4	68,070	4.2	65,215	10.19	43.3	1,495	27.2	406
1956	113,814	61.0	69,412	4.0	66,660	10.24	43.0	1,526	28.1	428
1957	115,066	60.6	69,729	4.1	66,872	10.52	42.4	1,551	29.1	451
1958	116,361	60.4	70,275	6.5	65,675	10.84	41.6	1,539	29.7	457
1959	117,880	60.2	70,920	5.3	67,180	11.10	42.0	1,629	30.5	496
1960	119,758	60.2	72,142	5.3	68,295	11.29	41.5	1,665	31.0	515
1961	121,342	60.2	73,032	6.5	68,320	11.67	41.2	1,709	31.3	534
1962	122,982	59.7	73,443	5.3	69,531	11.99	41.5	1,799	31.9	575
1963	125,157	59.6	74,573	5.5	70,505	12.41	41.2	1,873	32.4	607
1964	127,221	59.6	75,826	5.0	72,038	12.84	41.0	1,973	32.9	650
1965	129,232	59.7	77,175	4.4	73,808	13.16	41.3	2,088	33.8	705
1966	131,182	60.1	78,894	3.6	76,020	13.42	41.6	2,208	35.0	772
1967	133,331	60.6	80,797	3.7	77,817	13.59	41.3	2,271	36.0	816
1968	135,563	60.7	82,270	3.4	79,454	13.91	41.2	2,366	37.8	893
1969	137,841	61.1	84,237	3.4	81,406	13.90	41.2	2,423	39.8	964
1970	140,267	61.3	85,960	4.8	81,860	14.13	40.2	2,416	42.0	1,015
1971	143,024	61.0	87,186	5.8	82,170	14.61	39.8	2,485	44.4	1,103
1972	146,571	61.1	89,483	5.5	84,598	14.99	39.6	2,609	46.5	1,213
1973	149,417	61.4	91,750	4.8	87,385	15.28	39.5	2,744	49.6	1,359
1974	152,333	61.8	94,163	5.5	89,007	15.14	38.9	2,729	54.0	1,473
1975	155,330	61.8	95,952	8.3	88,019	15.35	38.4	2,695	59.3	1,598
1976	158,289	62.1	98,296	7.5	90,893	15.72	38.0	2,827	63.0	1,783
1977	161,166	62.8	101,133	6.9	94,148	15.89	38.0	2,959	67.3	1,990
1978	164,026	63.6	104,364	5.9	98,161	16.00	38.1	3,115	72.2	2,250
1979	166,946	64.1	107,044	5.7	100,908	15.96	38.1	3,192	78.6	2,508
1980	169,841	64.2	109,042	7.0	101,402	15.97	37.8	3,187	85.7	2,732
1981	172,272	64.3	110,813	7.5	102,538	16.24	37.5	3,249	93.9	3,053
1982	174,451	64.4	112,383	9.5	101,694	16.15	37.1	3,166	100.0	3,166
1983	176,414	64.5	113,751	9.4	103,030	16.48	37.1	3,279	103.9	3,406
1984	178,619	64.8	115,768	7.4	107,228	16.73	37.4	3,490	107.9	3,765
1985	180,465	65.2	117,720	7.1	109,416	16.79	37.5	3,585	111.5	3,998
Alternative I:										
1986	182,438	65.8	120,104	7.0	111,694	16.93	37.4	3,680	114.6	4,216
1987	184,557	66.0	121,766	6.8	113,527	17.22	37.5	3,811	118.0	4,499
1988	186,329	66.2	123,310	6.5	115,342	17.65	37.5	3,970	121.7	4,831
1989	187,919	66.5	125,060	6.0	117,539	18.01	37.6	4,134	125.3	5,181
1990	189,407	66.8	126,553	5.6	119,480	18.41	37.6	4,299	128.7	5,533
1991	190,931	67.0	127,963	5.2	121,368	18.82	37.6	4,470	131.5	5,878
1992	192,391	67.2	129,220	4.9	122,881	19.18	37.7	4,617	134.1	6,193
1993	193,978	67.2	130,430	4.9	124,083	19.55	37.7	4,755	136.8	6,506
1994	195,583	67.3	131,551	4.8	125,195	19.94	37.7	4,898	139.5	6,836
1995	197,264	67.3	132,678	4.8	126,309	20.33	37.8	5,045	142.3	7,182
1996	199,055	67.2	133,827	4.8	127,440	20.74	37.8	5,197	145.2	7,546
1997	200,859	67.4	135,466	4.6	129,234	21.10	37.9	5,367	148.1	7,948
1998	202,645	67.4	136,684	4.6	130,939	21.58	37.9	5,542	151.1	8,372
1999	204,410	67.5	137,897	4.7	131,439	22.07	37.9	5,722	154.1	8,816
2000	206,147	67.5	139,129	4.7	132,605	22.57	38.0	5,909	157.2	9,286
2005	214,765	66.9	143,739	4.7	137,025	25.25	38.2	6,885	173.5	11,913
2010	223,060	65.6	146,383	4.7	139,555	28.35	38.3	7,888	191.8	15,112
2015	230,594	63.9	147,434	4.7	140,554	31.93	38.5	8,996	211.5	19,027
2020	237,547	62.3	147,941	4.7	140,998	35.95	38.7	10,210	233.5	23,843
2025	244,204	60.9	148,771	4.7	141,706	40.50	38.9	11,617	257.8	29,952
2030	250,545	60.4	151,288	4.6	144,025	45.57	39.1	13,353	284.7	38,011
2035	256,027	60.6	155,132	4.8	147,666	51.19	39.3	15,454	314.3	48,571
2040	260,870	61.1	159,289	4.8	151,631	57.44	39.5	17,897	347.0	62,105
2045	265,913	61.5	163,465	4.8	155,608	64.49	39.7	20,723	383.1	79,396
2050	271,917	61.8	167,971	4.8	159,884	72.44	39.9	24,039	423.0	101,685
2055	278,976	62.0	173,021	4.8	164,675	81.39	40.1	27,956	467.0	130,563
2060	286,860	62.2	178,494	4.8	169,882	91.40	40.3	32,551	515.6	167,847
2065	295,210	62.4	184,070	4.8	175,199	102.62	40.5	37,880	569.3	215,653
Alternative II-A:										
1986	182,438	65.8	120,104	7.0	111,694	16.92	37.4	3,679	114.5	4,213
1987	184,557	66.0	121,753	6.8	113,416	17.15	37.4	3,788	118.2	4,476
1988	186,329	66.1	123,246	6.7	115,025	17.51	37.4	3,921	122.1	4,789
1989	187,919	66.5	124,961	6.3	117,098	17.82	37.4	4,063	126.2	5,127
1990	189,407	66.8	126,442	5.9	118,966	18.18	37.4	4,210	130.1	5,478
1991	190,931	67.0	127,832	5.6	120,710	18.52	37.4	4,353	134.0	5,835
1992	192,391	67.1	129,051	5.4	122,100	18.85	37.4	4,480	138.0	6,185
1993	193,978	67.1	130,253	5.3	123,292	19.15	37.4	4,597	142.2	6,537
1994	195,583	67.2	131,385	5.3	124,412	19.48	37.4	4,718	146.4	6,909
1995	197,264	67.2	132,508	5.3	125,519	19.81	37.4	4,841	150.8	7,302
1996	199,055	67.1	133,652	5.2	126,642	20.15	37.4	4,967	155.4	7,718
1997	200,859	67.1	134,136	5.1	127,261	20.58	37.4	5,099	160.0	8,159
1998	201,787	67.0	135,137	5.1	128,195	20.98	37.4	5,236	164.8	8,631
1999	203,519	66.9	136,134	5.1	129,126	21.39	37.4	5,376	169.8	9,127
2000	205,223	66.8	137,143	5.1	130,087	21.80	37.4	5,520	174.9	9,653
2005	213,536	66.0	140,928	5.1	133,710	23.97	37.4	6,239	202.7	12,647
2010	220,891	64.5	142,528	5.1	135,268	26.47	37.4	6,971	235.0	16,382
2015	226,907	62.6	142,036	5.1	134,841	29.35	37.4	7,706	272.4	20,994
2020	231,836	60.6	140,544	5.1	133,426	32.53	37.4	8,451	315.8	26,688

Table A10.—Actual Gross National Product (1982\$), Nominal Gross National Product, and Related Actual-Employment Components by Alternative — Continued

Year	Non-Inst. U.S. Population (16+) (000)	Actual Employment						Actual GNP82 (billions)	GNP Deflator (%)	Nominal GNP (billions)
		Labor Force Part. Rate (%)	Labor Force (000)	Unemployment Rate (%)	Employment (000)	Productivity (\$/hrpd)	Hours Paid per Week (hrpd/w)			
Alternative II-A: (Cont.)										
2025	235,907	58.9	138,864	5.1	131,784	36.07	37.4	9,255	366.1	33,883
2030	239,015	58.0	138,523	5.1	131,416	39.95	37.4	10,222	424.4	43,387
2035	240,857	57.7	138,979	5.1	131,843	44.19	37.4	11,344	492.0	55,814
2040	241,515	57.7	139,419	5.1	132,275	48.86	37.4	12,582	570.4	71,766
2045	241,715	57.7	139,561	5.1	132,419	54.05	37.4	13,933	661.2	92,134
2050	242,173	57.6	139,531	5.1	132,381	59.82	37.4	15,418	766.6	118,189
2055	243,031	57.6	139,894	5.1	132,714	66.22	37.4	17,109	888.7	152,037
2060	244,175	57.6	140,581	5.1	133,363	73.26	37.4	19,022	1030.2	195,961
2065	245,388	57.6	141,278	5.1	134,032	81.04	37.4	21,146	1194.3	252,539
Alternative II-B:										
1986	182,438	65.8	120,104	7.0	111,694	16.91	37.4	3,678	114.5	4,210
1987	184,557	66.0	121,725	7.0	113,188	17.08	37.4	3,762	117.8	4,433
1988	186,329	66.1	123,143	7.0	114,561	17.39	37.4	3,875	122.2	4,734
1989	187,919	66.4	124,807	6.8	116,376	17.62	37.4	3,987	126.5	5,044
1990	189,407	66.7	126,257	6.5	118,093	17.90	37.4	4,107	131.8	5,414
1991	190,931	66.8	127,630	6.1	119,795	18.18	37.3	4,230	137.4	5,814
1992	192,391	67.0	128,854	5.9	121,280	18.44	37.3	4,342	143.0	6,207
1993	193,978	67.0	130,062	5.8	122,488	18.68	37.3	4,440	148.7	6,602
1994	195,583	67.1	131,204	5.8	123,615	18.94	37.3	4,541	154.6	7,021
1995	197,264	67.1	132,328	5.7	124,721	19.21	37.3	4,643	160.8	7,467
1996	199,055	67.1	133,468	5.7	125,837	19.48	37.3	4,749	167.2	7,942
1997	200,037	66.9	133,825	5.7	126,256	19.86	37.2	4,854	173.9	8,443
1998	201,787	66.8	134,718	5.6	127,124	20.19	37.2	4,967	180.9	8,984
1999	203,519	66.6	135,594	5.6	127,976	20.52	37.2	5,080	188.1	9,557
2000	205,223	66.5	136,469	5.6	128,817	20.86	37.2	5,195	195.6	10,164
2005	213,536	65.6	140,134	5.6	132,311	22.62	37.1	5,771	238.0	13,737
2010	220,891	64.2	141,736	5.6	133,865	24.57	37.0	6,328	289.6	18,325
2015	228,907	62.3	141,299	5.5	133,496	26.79	36.9	6,863	352.3	24,182
2020	231,836	60.3	139,790	5.5	132,073	29.19	36.8	7,380	428.7	31,638
2025	235,907	58.6	138,213	5.6	130,537	31.83	36.7	7,932	521.6	41,369
2030	239,015	57.6	137,767	5.6	130,068	34.65	36.6	8,584	634.6	54,469
2035	240,857	57.4	138,219	5.6	130,486	37.68	36.5	9,340	772.0	72,109
2040	241,515	57.4	138,657	5.6	130,913	40.95	36.4	10,159	939.3	95,423
2045	241,715	57.4	138,820	5.6	131,078	44.53	36.4	11,035	1142.8	126,104
2050	242,173	57.3	138,858	5.6	131,106	48.46	36.3	11,980	1390.4	166,576
2055	243,031	57.2	139,127	5.6	131,346	52.73	36.2	13,027	1691.6	220,375
2060	244,175	57.3	139,813	5.6	131,991	57.36	36.1	14,204	2058.1	292,331
2065	245,388	57.3	140,507	5.6	132,653	62.37	36.0	15,484	2504.0	387,724
Alternative II:										
1986	182,438	65.8	120,104	7.0	111,694	16.90	37.4	3,676	114.4	4,206
1987	184,557	65.9	121,633	7.8	112,143	16.88	37.3	3,633	117.8	4,279
1988	186,329	65.7	122,464	8.8	111,657	17.00	37.3	3,678	122.9	4,522
1989	187,919	66.1	124,214	8.3	113,892	17.02	37.2	3,745	129.1	4,833
1990	189,407	66.2	125,385	9.4	113,618	17.04	37.1	3,732	135.9	5,072
1991	190,931	66.3	126,651	8.6	115,821	17.38	37.0	3,871	142.7	5,526
1992	192,391	66.5	127,977	8.0	117,714	17.56	36.9	3,964	149.9	5,942
1993	193,978	66.6	129,247	7.6	119,393	17.74	36.8	4,051	157.4	6,376
1994	195,583	66.7	130,480	7.3	120,971	17.94	36.7	4,140	165.2	6,842
1995	197,264	66.8	131,738	7.0	122,513	18.15	36.6	4,232	173.5	7,342
1996	199,055	66.8	132,952	6.7	123,988	18.36	36.5	4,322	182.2	7,875
1997	199,152	66.4	132,156	6.7	123,242	18.83	36.4	4,395	191.3	8,406
1998	200,853	66.2	132,891	6.6	124,054	19.10	36.3	4,478	200.8	8,993
1999	202,537	65.9	133,551	6.6	124,794	19.38	36.2	4,558	210.9	9,613
2000	204,193	65.7	134,162	6.5	125,406	19.66	36.2	4,635	221.4	10,264
2005	212,130	64.6	137,064	6.5	128,165	21.09	35.7	5,019	282.6	14,184
2010	218,390	63.0	137,526	6.4	128,691	22.88	35.3	5,351	360.7	19,300
2015	222,708	60.7	135,279	6.3	126,702	24.47	34.8	5,614	460.3	25,845
2020	225,423	58.3	131,422	6.3	123,165	26.40	34.4	5,813	587.5	34,154
2025	226,679	56.0	126,913	6.3	118,958	28.48	34.0	5,982	749.8	44,853
2030	226,319	54.4	123,088	6.3	115,385	30.68	33.5	6,174	957.0	59,081
2035	224,380	53.3	119,705	6.2	112,234	33.03	33.1	6,385	1221.4	77,988
2040	220,794	52.6	116,042	6.2	108,829	35.58	32.7	6,585	1558.9	102,655
2045	216,149	51.6	111,634	6.2	104,712	38.36	32.3	6,747	1989.5	134,237
2050	211,100	50.7	106,982	6.2	100,351	41.39	31.9	6,890	2539.2	174,940
2055	205,841	49.9	102,637	6.2	96,270	44.64	31.5	7,039	3240.7	228,120
2060	200,406	49.3	98,812	6.2	92,682	48.11	31.1	7,213	4136.1	298,347
2065	194,778	48.9	95,186	6.2	89,284	51.84	30.7	7,394	5278.8	390,324

Note: Actual reflects the level of economic growth as it actually has or is expected to occur.

Table A11.—GNP, Actual GNP (1982\$), GNP Price Deflator, and their Increases by Alternative

Year	Gross National Product (millions)			Actual GNP82 (millions)	Potential GNP82 (millions)	GNP Price Deflator	Price Deflator Increase (%)	Actual to Potential GNP82	GNP Increase (%)	Actual GNP82 Increase (%)
	Total	W&S	SE							
Past Experience:										
1951	333,400	281,194	52,206	1,328,670	1,288,770	25.10	4.58	1.0310	15.64	10.38
1952	351,600	298,535	53,065	1,380,020	1,347,400	25.50	1.59	1.0242	5.46	3.86
1953	371,600	319,202	52,398	1,435,270	1,403,970	25.90	1.57	1.0223	5.69	4.00
1954	372,500	319,717	52,783	1,416,200	1,451,830	26.30	1.54	0.9755	2.24	-1.33
1955	405,900	350,840	55,060	1,494,870	1,485,550	27.20	3.42	1.0063	8.97	5.56
1956	428,200	371,073	57,127	1,525,650	1,535,420	28.10	3.31	.9936	5.49	2.06
1957	451,000	391,518	59,482	1,551,120	1,586,280	29.10	3.56	.9778	5.32	1.67
1958	456,800	394,011	62,789	1,539,250	1,635,550	29.70	2.06	.9411	1.29	-0.77
1959	495,800	432,377	63,423	1,629,070	1,689,560	30.50	2.69	.9642	8.54	5.84
1960	515,300	450,889	64,411	1,665,220	1,749,250	31.00	1.64	.9520	3.93	2.22
1961	533,800	466,762	67,038	1,708,650	1,809,370	31.30	.97	.9443	3.59	2.61
1962	574,600	504,810	69,790	1,799,370	1,863,900	31.90	1.92	.9654	7.64	5.31
1963	606,900	535,483	71,417	1,873,300	1,934,510	32.40	1.57	.9684	5.62	4.11
1964	649,800	574,801	74,999	1,973,250	2,010,400	32.90	1.54	.9815	7.07	5.34
1965	705,100	624,409	80,691	2,087,550	2,083,730	33.80	2.74	1.0018	8.51	5.79
1966	772,000	686,378	85,622	2,208,350	2,160,590	35.00	3.55	1.0221	9.49	5.79
1967	816,400	727,523	88,877	2,271,320	2,243,920	36.00	2.86	1.0122	5.75	2.85
1968	892,700	798,452	94,248	2,365,620	2,313,970	37.00	5.00	1.0223	9.35	4.15
1969	963,900	863,814	100,086	2,423,250	2,388,490	39.80	5.29	1.0146	7.98	2.44
1970	1,015,500	912,069	103,431	2,416,170	2,471,370	42.00	5.53	.9777	5.35	-2.29
1971	1,102,700	989,070	113,630	2,484,770	2,546,470	44.40	5.71	.9758	8.59	2.84
1972	1,212,800	1,084,647	128,153	2,608,520	2,621,320	46.50	4.73	.9951	9.98	4.98
1973	1,359,300	1,204,937	154,363	2,744,020	2,701,690	49.60	6.67	1.0157	12.08	5.19
1974	1,472,800	1,312,951	159,849	2,729,320	2,797,760	54.00	8.87	.9755	8.35	-5.54
1975	1,598,400	1,426,813	171,587	2,694,970	2,899,650	59.30	9.81	.9326	8.53	-1.26
1976	1,782,800	1,594,475	188,325	2,826,670	2,972,340	63.00	6.24	.9510	11.54	4.89
1977	1,990,500	1,782,181	208,319	2,958,650	3,048,620	67.30	6.83	.9705	11.65	4.67
1978	2,249,700	2,011,658	238,042	3,115,150	3,159,970	72.20	7.28	.9858	13.02	5.29
1979	2,508,200	2,243,648	264,552	3,192,270	3,246,600	78.60	8.86	.9833	11.49	2.48
1980	2,732,000	2,469,382	262,618	3,187,170	3,345,990	85.70	9.03	.9525	8.92	-1.16
1981	3,052,600	2,768,889	283,711	3,248,720	3,421,130	93.90	9.57	.9496	11.73	1.93
1982	3,166,000	2,889,928	276,072	3,166,020	3,497,640	100.00	6.50	.9652	3.71	-2.55
1983	3,405,700	3,111,906	293,794	3,279,100	3,579,940	103.90	3.90	.9160	7.57	3.57
1984	3,765,000	3,412,141	352,859	3,489,900	3,659,150	107.90	3.85	.9537	10.55	6.43
1985	3,988,100	3,623,394	374,706	3,585,170	3,765,870	111.50	3.34	.9520	6.19	2.73
Alternative I:										
1986	4,215,636	3,799,252	416,384	3,680,475	3,865,650	114.56	2.77	.9521	5.44	2.66
1987	4,498,644	4,065,903	432,740	3,810,750	3,982,250	118.04	3.04	.9569	6.71	3.54
1988	4,831,293	4,381,667	449,626	3,970,350	4,111,925	121.67	3.08	.9656	7.29	4.11
1989	5,180,799	4,708,852	471,946	4,133,600	4,243,700	125.32	3.00	.9741	7.33	4.19
1990	5,532,597	5,032,141	500,456	4,298,925	4,375,400	128.69	2.69	.9825	6.79	4.00
1991	5,878,046	5,358,986	519,060	4,469,650	4,508,950	131.50	2.18	.9913	6.24	3.97
1992	6,192,610	5,657,342	535,268	4,616,575	4,644,400	134.13	2.00	.9940	5.35	3.29
1993	6,506,142	5,955,961	550,181	4,755,300	4,784,000	136.81	2.00	.9940	5.06	3.00
1994	6,835,611	6,267,728	567,883	4,898,100	4,927,675	139.55	2.00	.9940	5.06	3.00
1995	7,181,827	6,595,098	586,729	5,045,225	5,075,675	142.34	2.00	.9940	5.06	3.00
1996	7,545,507	6,936,745	608,762	5,196,750	5,228,150	145.19	2.00	.9940	5.06	3.00
1997	7,948,362	7,310,175	638,188	5,367,114	5,404,404	148.09	2.00	.9931	5.34	3.28
1998	8,371,839	7,698,894	672,945	5,542,221	5,585,790	151.06	2.00	.9922	5.33	3.26
1999	8,815,866	8,106,430	709,435	5,721,735	5,771,951	154.08	2.00	.9913	5.30	3.24
2000	9,286,274	8,538,141	748,133	5,908,865	5,960,724	157.16	2.00	.9913	5.34	3.27
2005	11,912,594	10,947,435	965,159	6,865,436	6,925,689	173.52	2.00	.9913	5.02	2.97
2010	15,112,016	13,880,659	1,231,357	7,888,298	7,957,528	191.58	2.00	.9913	4.82	2.76
2015	19,027,235	17,466,177	1,561,058	8,995,716	9,074,665	211.51	2.00	.9913	4.64	2.59
2020	23,843,207	21,887,030	1,956,176	10,209,955	10,299,561	233.33	2.00	.9913	4.63	2.58
2025	29,951,567	27,494,240	2,457,327	11,616,569	11,718,520	257.83	2.00	.9913	4.74	2.69
2030	38,010,738	34,892,210	3,118,528	13,352,536	13,469,722	284.67	2.00	.9913	4.97	2.91
2035	48,571,104	44,586,168	3,984,936	15,453,775	15,589,402	314.30	2.00	.9913	5.06	3.00
2040	62,105,351	57,010,020	5,095,331	17,897,186	18,054,258	347.01	2.00	.9913	5.09	3.03
2045	79,396,375	72,882,431	6,513,944	20,723,139	20,905,013	383.13	2.00	.9913	5.04	2.98
2050	101,685,492	93,342,874	8,342,618	24,038,813	24,249,786	423.01	2.00	.9913	5.09	3.03
2055	130,562,899	119,851,083	10,711,817	27,955,866	28,201,216	467.03	2.00	.9913	5.15	3.08
2060	167,847,182	154,076,438	13,770,744	32,551,151	32,836,832	515.64	2.00	.9913	5.15	3.09
2065	215,653,460	197,960,529	17,692,931	37,879,817	38,212,264	569.31	2.00	.9913	5.13	3.07
Alternative II-A:										
1986	4,213,220	3,796,970	416,249	3,679,350	3,864,750	114.53	2.75	.9520	5.38	2.63
1987	4,476,339	4,044,884	431,454	3,787,725	3,968,900	118.17	3.18	.9544	6.25	2.95
1988	4,789,133	4,341,336	447,798	3,920,825	4,082,650	122.13	3.35	.9604	6.99	3.51
1989	5,127,289	4,656,185	471,103	4,063,425	4,199,575	126.17	3.31	.9676	7.06	3.64
1990	5,477,865	4,976,868	500,997	4,209,675	4,317,875	130.11	3.12	.9749	6.84	3.60
1991	5,834,560	5,313,382	521,178	4,353,175	4,437,175	134.02	3.09	.9811	6.51	3.41
1992	6,184,548	5,643,025	541,523	4,480,150	4,557,675	138.03	2.91	.9830	6.00	2.92
1993	6,536,830	5,975,322	561,508	4,597,300	4,676,800	142.18	3.01	.9830	5.70	2.61
1994	6,908,990	6,325,211	583,779	4,717,525	4,799,100	146.44	3.01	.9830	5.69	2.62
1995	7,302,214	6,694,712	607,502	4,840,825	4,924,525	150.84	3.00	.9830	5.69	2.61
1996	7,717,775	7,082,751	635,023	4,967,375	5,053,250	155.36	3.00	.9830	5.69	2.61
1997	8,159,337	7,492,858	666,478	5,098,923	5,188,687	160.02	3.00	.9827	5.72	2.65
1998	8,630,552	7,924,791	705,760	5,236,304	5,330,114	164.82	3.00	.9824	5.78	2.69
1999	9,127,088	8,379,885	747,204	5,376,274	5,474,820	169.77	3.00	.9820	5.75	2.67
2000	9,652,859	8,861,722	791,136	5,520,366	5,621,554	174.86	3.00	.9820	5.76	2.68
2005	12,646,881	11,604,491	1,042,390	6,238,917	6,353,276	202.71	3.00	.9820	5.46	2.38
2010	16,381,815	15,023,894	1,357,921	6,971,105	7,098,885	235.00	3.00	.9820	5.22	2.15
2015	20,993,545	19,241,379	1,752,166	7,706,183	7,847,437	272.42	3.00	.9820	5.01	1.95
2020	26,688,148	24,460,698	2,227,450	8,450,567	8,605,465	315.81	3.00	.9820	4.91	1.86

Table A11.—GNP, Actual GNP (1982\$), GNP Price Deflator, and their Increases by Alternative —Continued

Year	Gross National Product (millions)			Actual GNP82 (millions)	Potential GNP82 (millions)	GNP Price Deflator	Price Deflator Increase (%)	Actual to Potential GNP82	GNP Increase (%)	Actual GNP82 Increase (%)
	Total	W&S	SE							
Alternative II-A: (Cont.)										
2025	33,882,528	31,054,620	2,827,908	9,254,588	9,424,224	366.12	3.00	.9820	4.93	1.88
2030	43,387,104	39,765,924	3,621,180	10,222,469	10,409,847	424.43	3.00	.9820	5.13	2.07
2035	55,813,889	51,155,542	4,658,346	11,343,610	11,551,538	492.03	3.00	.9820	5.14	2.08
2040	71,766,054	65,776,306	5,989,748	12,581,777	12,812,400	570.40	3.00	.9820	5.15	2.08
2045	92,133,952	84,444,256	7,689,696	13,933,380	14,188,778	661.25	3.00	.9820	5.10	2.04
2050	118,189,039	108,324,730	9,864,309	15,417,993	15,700,604	766.57	3.00	.9820	5.13	2.06
2055	152,036,529	139,347,236	12,689,293	17,108,521	17,422,119	888.66	3.00	.9820	5.20	2.13
2060	195,960,980	179,605,658	16,355,321	19,021,642	19,370,308	1030.20	3.00	.9820	5.21	2.15
2065	252,539,068	231,461,619	21,077,449	21,145,641	21,533,239	1194.28	3.00	.9820	5.20	2.13
Alternative II-B:										
1986	4,209,620	3,793,640	415,980	3,678,000	3,864,300	114.47	2.69	.9518	5.29	2.59
1987	4,433,177	4,005,686	427,491	3,762,400	3,962,500	117.82	2.93	.9495	5.31	2.29
1988	4,733,596	4,289,321	444,275	3,874,800	4,066,100	122.16	3.68	.9529	6.78	2.98
1989	5,044,281	4,577,662	466,619	3,987,175	4,168,325	126.50	3.55	.9565	6.56	2.91
1990	5,414,339	4,913,989	500,350	4,106,800	4,269,050	131.82	4.21	.9620	7.34	3.00
1991	5,814,458	5,288,046	526,412	4,290,000	4,367,875	137.44	4.26	.9684	7.39	3.00
1992	6,207,246	5,654,655	552,592	4,341,725	4,466,800	142.96	4.02	.9720	6.76	2.64
1993	6,601,808	6,025,688	576,122	4,440,050	4,567,975	148.68	4.00	.9720	6.36	2.26
1994	7,021,384	6,418,195	603,189	4,540,600	4,671,425	154.62	4.00	.9720	6.36	2.26
1995	7,467,486	6,835,234	632,254	4,643,425	4,777,150	160.81	4.00	.9720	6.35	2.26
1996	7,942,020	7,276,400	665,619	4,748,550	4,885,350	167.24	4.00	.9720	6.35	2.26
1997	8,443,141	7,741,770	701,371	4,854,344	4,992,640	173.93	4.00	.9723	6.31	2.23
1998	8,984,342	8,237,177	747,165	4,966,832	5,107,282	180.89	4.00	.9725	6.41	2.32
1999	9,557,415	8,761,699	795,716	5,080,428	5,222,479	188.12	4.00	.9728	6.38	2.29
2000	10,164,477	9,317,267	847,209	5,195,310	5,340,574	195.65	4.00	.9728	6.35	2.26
2005	13,736,669	12,585,246	1,151,423	5,770,869	5,932,226	238.03	4.00	.9728	6.11	2.03
2010	18,325,165	16,780,398	1,544,767	6,327,629	6,504,552	289.61	4.00	.9728	5.81	1.74
2015	24,181,577	22,129,129	2,052,449	6,862,953	7,054,845	352.35	4.00	.9728	5.57	1.51
2020	31,638,312	28,952,961	2,685,351	7,380,283	7,586,639	428.69	4.00	.9728	5.54	1.48
2025	41,369,232	37,857,955	3,511,277	7,931,776	8,153,553	521.56	4.00	.9728	5.54	1.48
2030	54,469,022	49,845,880	4,623,142	8,583,727	8,823,732	634.56	4.00	.9728	5.74	1.67
2035	72,108,937	65,988,579	6,120,357	9,340,039	9,601,192	772.04	4.00	.9728	5.75	1.68
2040	95,422,916	87,323,749	8,099,167	10,158,875	10,442,922	939.31	4.00	.9728	5.76	1.69
2045	126,104,015	115,400,742	10,703,273	11,034,583	11,343,095	1142.81	4.00	.9728	5.70	1.64
2050	166,575,728	152,437,356	14,138,372	11,980,398	12,315,376	1390.40	4.00	.9728	5.73	1.66
2055	220,374,523	201,669,896	18,704,628	13,027,294	13,391,544	1691.64	4.00	.9728	5.75	1.68
2060	292,331,097	267,519,044	24,812,053	14,203,689	14,600,831	2058.14	4.00	.9728	5.82	1.75
2065	387,724,071	354,815,392	32,908,679	15,483,965	15,916,905	2504.04	4.00	.9728	5.80	1.73
Alternative III:										
1986	4,205,977	3,790,205	415,772	3,675,725	3,863,000	114.45	2.67	.9515	5.20	2.53
1987	4,479,274	3,866,781	412,493	3,633,175	3,842,475	117.80	2.83	.9215	1.74	-1.16
1988	4,522,297	4,096,222	426,015	3,677,775	4,017,600	122.94	4.36	.9154	5.68	1.23
1989	4,832,595	4,367,779	464,817	3,744,800	4,094,050	129.06	4.98	.9147	6.86	1.82
1990	5,072,444	4,595,936	476,607	3,731,800	4,167,875	135.90	5.30	.8954	4.96	-.35
1991	5,526,354	4,995,602	530,752	3,871,250	4,230,475	142.74	5.03	.9151	8.95	3.74
1992	5,941,688	5,382,618	559,070	3,964,100	4,287,750	149.87	5.00	.9245	7.52	2.40
1993	6,376,139	5,785,973	590,165	4,051,350	4,345,800	157.37	5.00	.9322	7.31	2.20
1994	6,842,041	6,218,513	623,527	4,140,450	4,411,150	165.23	4.99	.9386	7.31	2.20
1995	7,342,241	6,682,689	659,551	4,231,550	4,481,900	173.50	5.01	.9441	7.31	2.20
1996	7,874,903	7,173,972	700,931	4,322,450	4,554,225	182.17	5.00	.9491	7.25	2.15
1997	8,406,275	7,661,679	744,596	4,394,783	4,622,195	191.28	5.00	.9508	6.75	1.67
1998	8,992,807	8,195,370	797,437	4,477,544	4,700,833	200.84	5.00	.9525	6.98	1.88
1999	9,613,085	8,759,694	853,391	4,558,459	4,777,257	210.88	5.00	.9542	6.90	1.81
2000	10,283,940	9,351,752	912,188	4,635,324	4,857,811	221.43	5.00	.9542	6.77	1.69
2005	14,184,352	12,916,663	1,267,689	5,019,136	5,260,046	282.61	5.00	.9542	6.59	1.51
2010	19,299,941	17,565,314	1,734,627	5,350,926	5,607,761	360.68	5.00	.9542	6.25	1.19
2015	25,844,590	23,505,892	2,338,698	5,614,306	5,883,784	460.33	5.00	.9542	5.91	.86
2020	34,154,274	31,063,627	3,090,648	5,813,331	6,092,361	587.52	5.00	.9542	5.70	.66
2025	44,852,858	40,794,087	4,058,771	5,981,686	6,268,797	749.84	5.00	.9542	5.59	.56
2030	59,080,790	53,734,522	5,346,268	6,173,526	6,469,845	957.00	5.00	.9542	5.73	.69
2035	77,988,142	70,830,933	7,057,209	6,385,120	6,691,595	1221.40	5.00	.9542	5.65	.62
2040	102,655,176	93,365,827	9,289,349	6,585,289	6,901,372	1558.86	5.00	.9542	5.65	.62
2045	134,236,779	122,089,585	12,147,193	6,747,129	7,070,980	1989.54	5.00	.9542	5.46	.44
2050	174,940,055	159,109,590	15,830,465	6,889,540	7,220,227	2539.21	5.00	.9542	5.42	.40
2055	228,120,392	207,477,596	20,642,796	7,039,124	7,376,990	3240.75	5.00	.9542	5.45	.42
2060	298,347,347	271,349,657	26,997,689	7,213,237	7,559,460	4136.11	5.00	.9542	5.52	.50
2065	390,323,895	355,003,174	35,320,721	7,394,123	7,749,028	5278.84	5.00	.9542	5.52	.49

Table A12.—Ratios of the linkages between GNP and OASDI Effective Taxable Payroll by Alternative

Year	Employee Compensation to Gross National Product	Wages to Employee Compensation	Covered Wages to Wages	Taxable Wages to Covered Wages	Employee Taxable Wages to Taxable Wages	Employer Taxable Wages to Taxable Wages	Self Employment Income to GNP	Covered SE Income to SE Income	Effective Taxable SE Income to Covered SE Income	Effective Taxable Payroll to GNP
Past Experience:										
1951	54468	94441	.77259	.83962	.97888	1.00000	.13197	.37273	.43537	.35157
1952	55844	94526	.77317	.82843	.97552	1.00000	.12628	.36937	.44634	.35479
1953	56625	94573	.78392	.80667	.97282	1.00000	.11679	.39171	.44250	.35429
1954	56206	94189	.78651	.79568	.97529	1.00000	.11678	.38621	.45134	.34756
1955	55658	93885	.80905	.82640	.97976	1.00000	.11185	.53965	.48153	.37490
1956	57156	93569	.82314	.81172	.97621	1.00000	.10953	.60341	.46935	.38410
1957	57153	93072	.85661	.79800	.97524	1.00000	.10820	.58197	.45924	.38803
1958	56864	92895	.86200	.78433	.97652	1.00000	.11274	.55340	.46263	.38181
1959	56725	92375	.86644	.81573	.97860	1.00000	.10428	.57834	.46881	.39466
1960	57571	91956	.86510	.79907	.97762	1.00000	.10111	.56046	.47312	.38668
1961	57242	91799	.85811	.79290	.97679	1.00000	.10172	.55249	.46975	.37978
1962	56983	91411	.86101	.77660	.97412	1.00000	.09850	.55300	.45456	.36855
1963	56931	91110	.85959	.76438	.97317	1.00000	.09507	.54939	.43961	.35920
1964	57092	91028	.86142	.74744	.97038	1.00000	.09311	.55537	.42030	.35139
1965	56704	90966	.85620	.74127	.96703	1.00000	.09233	.61905	.36779	.34300
1966	57377	90371	.86610	.83029	.97857	.99885	.09016	.63218	.42250	.39275
1967	58246	90196	.88016	.80972	.97710	.99892	.08709	.63010	.41012	.39243
1968	58779	89934	.87646	.84260	.98143	.99902	.08446	.61538	.44967	.40995
1969	60003	89614	.87922	.82293	.97741	.99907	.08227	.59395	.43854	.40591
1970	60885	89198	.87688	.80372	.97684	.99905	.07898	.59850	.42062	.39802
1971	59796	88555	.87172	.78497	.97631	.99899	.07872	.58410	.40547	.37651
1972	59881	87946	.88195	.80250	.97960	.99895	.08105	.55544	.44038	.38856
1973	59798	87189	.88105	.83832	.98348	.99897	.08755	.52353	.44480	.40209
1974	60516	86684	.88222	.87089	.98836	.99893	.08066	.54882	.45938	.42082
1975	59352	85867	.88043	.86615	.98928	.99874	.07845	.56140	.43790	.40560
1976	59337	85031	.88627	.86440	.98941	.99851	.07724	.55773	.44652	.40343
1977	59112	84471	.88852	.86423	.98916	.99847	.07681	.52780	.46262	.39981
1978	59085	84207	.89538	.85632	.98940	.99858	.07832	.53178	.44714	.39780
1979	59461	83955	.89849	.89280	.99273	.99872	.07651	.52215	.48130	.41796
1980	59964	83749	.89687	.89736	.99321	.99862	.06614	.54068	.50853	.42071
1981	59209	83562	.89267	.90407	.99376	.99915	.06119	.52944	.56018	.41602
1982	60234	83172	.89736	.90544	.99449	.99912	.05543	.56182	.56848	.42345
1983	59333	82971	.89592	.91143	.99524	.99781	.05605	.57255	.57625	.43703
1984	58823	82938	.90648	.91114	.99452	.99804	.06292	.49472	.79517	.42700
1985	59233	83021	.90503	.91311	.99439	.99769	.06363	.47956	.80313	.43007
Alternative I:										
1986	59318	83346	.90979	.91373	.99442	.99771	.06745	.46641	.79749	.43520
1987	59124	82862	.91293	.91345	.99432	.99771	.06521	.48749	.79288	.43284
1988	59015	82486	.91600	.91216	.99407	.99774	.06268	.50303	.79363	.43076
1989	58985	82388	.91872	.91126	.99383	.99776	.06111	.51446	.79476	.43075
1990	58982	82208	.92082	.91155	.99370	.99777	.06057	.51728	.81714	.42943
1991	58975	82110	.92262	.91287	.99365	.99776	.05891	.48386	.82557	.43020
1992	59097	81978	.92427	.91424	.99368	.99775	.05759	.48988	.83238	.43166
1993	59142	81798	.92594	.91474	.99371	.99772	.05620	.49583	.83765	.43187
1994	59148	81648	.92755	.91483	.99371	.99769	.05507	.50116	.84224	.43179
1995	59153	81494	.92918	.91482	.99370	.99766	.05401	.50630	.84639	.43164
1996	59157	81337	.93080	.91504	.99371	.99763	.05321	.51129	.85111	.43168
1997	59300	81337	.93185	.91500	.99400	.99775	.05300	.51500	.85000	.43321
1998	59300	81337	.93289	.91500	.99400	.99775	.05300	.51500	.85000	.43365
1999	59300	81337	.93404	.91500	.99400	.99775	.05300	.51500	.85000	.43413
2000	59300	81337	.93504	.91500	.99400	.99775	.05300	.51500	.85000	.43455
2005	59300	81337	.93970	.91500	.99400	.99775	.05300	.51500	.85000	.43651
2010	59300	81337	.94246	.91500	.99400	.99775	.05300	.51500	.85000	.43766
2015	59300	81337	.94380	.91500	.99400	.99775	.05300	.51500	.85000	.43820
2020	59300	81337	.94380	.91500	.99400	.99775	.05300	.51500	.85000	.43816
2025	59300	81337	.94380	.91500	.99400	.99775	.05300	.51500	.85000	.43813
2030	59300	81337	.94380	.91500	.99400	.99775	.05300	.51500	.85000	.43811
2035	59300	81337	.94380	.91500	.99400	.99775	.05300	.51500	.85000	.43809
2040	59300	81337	.94380	.91500	.99400	.99775	.05300	.51500	.85000	.43807
2045	59300	81337	.94380	.91500	.99400	.99775	.05300	.51500	.85000	.43806
2050	59300	81337	.94380	.91500	.99400	.99775	.05300	.51500	.85000	.43805
2055	59300	81337	.94380	.91500	.99400	.99775	.05300	.51500	.85000	.43804
2060	59300	81337	.94380	.91500	.99400	.99775	.05300	.51500	.85000	.43803
2065	59300	81337	.94380	.91500	.99400	.99775	.05300	.51500	.85000	.43803
Alternative II-A:										
1986	59323	82979	.90953	.91443	.99447	.99770	.06747	.46630	.79764	.43365
1987	59186	82842	.91271	.91389	.99438	.99770	.06542	.48773	.79226	.43335
1988	59089	82449	.91556	.91191	.99414	.99772	.06308	.50342	.79044	.43087
1989	59049	82333	.91814	.91115	.99393	.99773	.06176	.51474	.79084	.43080
1990	59043	82138	.92029	.91132	.99381	.99774	.06137	.47682	.81235	.42939
1991	59054	82030	.92221	.91210	.99375	.99775	.05974	.48552	.81871	.43006
1992	59128	81895	.92397	.91258	.99372	.99774	.05844	.49239	.82355	.43081
1993	59166	81709	.92566	.91302	.99375	.99773	.05720	.49907	.82799	.43101
1994	59176	81556	.92728	.91297	.99374	.99771	.05612	.50546	.83170	.43092
1995	59181	81399	.92894	.91277	.99371	.99769	.05511	.51170	.83488	.43074
1996	59185	81241	.93060	.91275	.99371	.99768	.05439	.51764	.83860	.43074
1997	59300	81160	.93168	.91250	.99400	.99775	.05400	.52000	.83977	.43150
1998	59300	81079	.93275	.91250	.99400	.99775	.05400	.52000	.83954	.43153
1999	59300	80998	.93392	.91250	.99400	.99775	.05400	.52000	.83930	.43161
2000	59300	80917	.93495	.91250	.99400	.99775	.05400	.52000	.83907	.43162
2005	59300	80513	.93971	.91250	.99400	.99775	.05400	.52000	.83790	.43152
2010	59300	80111	.94253	.91250	.99400	.99775	.05400	.52000	.83673	.43061
2015	59300	79712	.94390	.91250	.99400	.99775	.05400	.52000	.83555	.42909
2020	59300	79314	.94390	.91250	.99400	.99775	.05400	.52000	.83437	.42699
2025	59300	78918	.94390	.91250	.99400	.99775	.05400	.52000	.83318	.42492

Table A12.—Ratios of the linkages between GNP and OASDI Effective Taxable Payroll by Alternative —Continued

Year	Employee Compensation to Gross National Product	Wages to Employee Compensation	Covered Wages to Wages	Taxable Wages to Covered Wages	Employee Taxable Wages to Taxable Wages	Employer Taxable Wages to Taxable Wages	Self Employment Income to GNP	Covered SE Income to SE Income	Effective Taxable SE Income to Covered SE Income	Effective Taxable Payroll to GNP
Alternative II-A: (Cont.)										
2030	.59300	.78524	.94390	.91250	.99400	.99775	.05400	.52000	.83199	.42286
2035	.59300	.78132	.94390	.91250	.99400	.99775	.05400	.52000	.83079	.42081
2040	.59300	.77742	.94390	.91250	.99400	.99775	.05400	.52000	.82958	.41878
2045	.59300	.77355	.94390	.91250	.99400	.99775	.05400	.52000	.82837	.41676
2050	.59300	.76969	.94390	.91250	.99400	.99775	.05400	.52000	.82715	.41476
2055	.59300	.76584	.94390	.91250	.99400	.99775	.05400	.52000	.82593	.41276
2060	.59300	.76202	.94390	.91250	.99400	.99775	.05400	.52000	.82470	.41078
2065	.59300	.75822	.94390	.91250	.99400	.99775	.05400	.52000	.82346	.40881
Alternative II-B:										
1986	.59334	.82977	.90948	.91452	.99448	.99769	.06750	.46621	.79773	.43374
1987	.59309	.82810	.91215	.91475	.99451	.99768	.06559	.48745	.79227	.43425
1988	.59183	.82395	.91491	.91272	.99431	.99770	.06345	.50321	.78953	.43147
1989	.59172	.82247	.91726	.91139	.99414	.99770	.06235	.51440	.78728	.43108
1990	.59125	.82035	.91963	.91077	.99399	.99771	.06216	.47735	.80630	.42910
1991	.59070	.81922	.92180	.90966	.99378	.99773	.06064	.48696	.80861	.42851
1992	.59138	.81788	.92355	.91017	.99372	.99774	.05953	.49450	.81293	.42932
1993	.59201	.81601	.92528	.91126	.99380	.99774	.05823	.50266	.81774	.43006
1994	.59210	.81447	.92694	.91171	.99383	.99774	.05718	.51022	.82168	.43030
1995	.59216	.81287	.92864	.91184	.99383	.99774	.05621	.51753	.82481	.43036
1996	.59221	.81129	.93035	.91202	.99384	.99774	.05553	.52461	.82828	.43053
1997	.59300	.80966	.93147	.91200	.99400	.99775	.05500	.52500	.82954	.43057
1998	.59300	.80804	.93257	.91200	.99400	.99775	.05500	.52500	.82909	.43020
1999	.59300	.80643	.93378	.91200	.99400	.99775	.05500	.52500	.82863	.42988
2000	.59300	.80482	.93484	.91200	.99400	.99775	.05500	.52500	.82817	.42949
2005	.59300	.79680	.93972	.91200	.99400	.99775	.05500	.52500	.82586	.42739
2010	.59300	.78886	.94262	.91200	.99400	.99775	.05500	.52500	.82353	.42447
2015	.59300	.78101	.94402	.91200	.99400	.99775	.05500	.52500	.82118	.42096
2020	.59300	.77323	.94402	.91200	.99400	.99775	.05500	.52500	.81881	.41690
2025	.59300	.76553	.94402	.91200	.99400	.99775	.05500	.52500	.81641	.41288
2030	.59300	.75790	.94402	.91200	.99400	.99775	.05500	.52500	.81399	.40892
2035	.59300	.75035	.94402	.91200	.99400	.99775	.05500	.52500	.81155	.40499
2040	.59300	.74288	.94402	.91200	.99400	.99775	.05500	.52500	.80908	.40111
2045	.59300	.73548	.94402	.91200	.99400	.99775	.05500	.52500	.80660	.39726
2050	.59300	.72815	.94402	.91200	.99400	.99775	.05500	.52500	.80408	.39346
2055	.59300	.72090	.94402	.91200	.99400	.99775	.05500	.52500	.80155	.38969
2060	.59300	.71372	.94402	.91200	.99400	.99775	.05500	.52500	.79899	.38597
2065	.59300	.70661	.94402	.91200	.99400	.99775	.05500	.52500	.79640	.38227
Alternative III:										
1986	.59345	.82651	.90904	.91519	.99453	.99768	.06754	.46612	.79783	.43233
1987	.60008	.82653	.91038	.91736	.99495	.99762	.06634	.48835	.78788	.43895
1988	.59370	.82181	.91198	.91415	.99515	.99759	.06391	.50288	.78324	.43117
1989	.59564	.81959	.91524	.91040	.99464	.99759	.06553	.50987	.77109	.43163
1990	.59677	.81600	.91589	.91051	.99517	.99756	.06390	.47772	.78688	.42930
1991	.59145	.81528	.91884	.90927	.99474	.99759	.06480	.48025	.79122	.42656
1992	.59251	.81386	.92111	.90798	.99445	.99762	.06339	.49060	.79102	.42688
1993	.59267	.81245	.92324	.90960	.99441	.99765	.06219	.50024	.79653	.42809
1994	.59273	.81129	.92527	.90966	.99429	.99766	.06107	.50982	.79928	.42852
1995	.59272	.81004	.92729	.90927	.99415	.99769	.06004	.51909	.80097	.42862
1996	.59273	.80875	.92926	.90886	.99402	.99770	.05936	.52787	.80293	.42881
1997	.59300	.80633	.93046	.90900	.99400	.99775	.05900	.53000	.81933	.42880
1998	.59300	.80391	.93163	.90900	.99400	.99775	.05900	.53000	.81865	.42805
1999	.59300	.80150	.93291	.90900	.99400	.99775	.05900	.53000	.81798	.42735
2000	.59300	.79909	.93403	.90900	.99400	.99775	.05900	.53000	.81730	.42658
2005	.59300	.78718	.93917	.90900	.99400	.99775	.05900	.53000	.81387	.42257
2010	.59300	.77544	.94222	.90900	.99400	.99775	.05900	.53000	.81040	.41774
2015	.59300	.76388	.94370	.90900	.99400	.99775	.05900	.53000	.80688	.41235
2020	.59300	.75249	.94370	.90900	.99400	.99775	.05900	.53000	.80331	.40643
2025	.59300	.74127	.94370	.90900	.99400	.99775	.05900	.53000	.79969	.40061
2030	.59300	.73022	.94370	.90900	.99400	.99775	.05900	.53000	.79602	.39487
2035	.59300	.71933	.94370	.90900	.99400	.99775	.05900	.53000	.79229	.38923
2040	.59300	.70860	.94370	.90900	.99400	.99775	.05900	.53000	.78852	.38366
2045	.59300	.69804	.94370	.90900	.99400	.99775	.05900	.53000	.78468	.37818
2050	.59300	.68763	.94370	.90900	.99400	.99775	.05900	.53000	.78080	.37278
2055	.59300	.67738	.94370	.90900	.99400	.99775	.05900	.53000	.77686	.36746
2060	.59300	.66728	.94370	.90900	.99400	.99775	.05900	.53000	.77286	.36222
2065	.59300	.65733	.94370	.90900	.99400	.99775	.05900	.53000	.76880	.35705

Table A13.—GNP, OASDI Effective Taxable Payroll, and their Linkages by Alternative
[In millions]

Year	Gross National Product	Employee Compensation	Wages	Covered Wages	Taxable Wages	Employee Taxable Wages	Employer Taxable Wages	Self Employment Income	Covered SE Income	Effective Taxable SE Income	Effective Taxable Payroll
Past Experience:											
1951	333,400	181,595	171,500	132,500	111,250	108,900	111,250	44,000	16,400	7,140	117,215
1952	351,600	196,349	185,600	143,500	118,880	115,970	118,880	44,400	16,400	7,320	124,745
1953	371,600	210,420	199,000	156,000	125,840	122,420	125,840	43,400	17,000	7,250	131,653
1954	372,500	209,367	197,200	155,100	123,410	120,360	123,410	43,500	16,800	7,583	129,468
1955	405,900	225,915	212,100	171,600	141,810	138,940	141,810	45,400	24,500	11,798	152,173
1956	428,200	244,740	229,000	188,500	153,010	149,370	153,010	46,900	28,300	13,283	164,473
1957	451,000	257,758	239,900	205,500	163,990	159,930	163,990	48,800	28,400	13,043	175,003
1958	456,800	259,756	241,300	208,000	163,140	159,310	163,140	51,500	28,500	13,185	174,410
1959	495,800	281,244	259,800	225,100	183,620	179,690	183,620	51,700	29,900	14,018	195,673
1960	515,300	296,664	272,800	236,000	188,580	184,360	188,580	52,100	29,200	13,815	200,285
1961	533,800	305,560	280,500	240,700	190,850	186,420	190,850	54,300	30,000	14,093	202,728
1962	574,600	327,422	299,300	257,700	200,130	194,950	200,130	56,600	31,300	14,228	211,768
1963	606,900	345,517	314,800	270,600	206,840	201,290	206,840	57,700	31,700	13,936	218,001
1964	649,800	370,986	337,700	290,900	217,430	210,990	217,430	60,500	33,600	14,122	228,332
1965	705,100	399,819	363,700	311,400	230,830	223,220	230,830	65,100	40,300	14,822	241,847
1966	772,000	442,953	400,300	346,700	287,860	281,690	287,860	69,600	44,000	18,590	303,200
1967	816,400	475,518	428,900	377,500	305,670	298,670	305,640	71,100	44,800	18,373	320,378
1968	892,700	524,721	471,900	413,600	348,500	342,030	348,160	75,400	46,400	20,865	365,960
1969	963,900	578,370	518,300	455,700	375,010	366,540	374,660	79,300	47,100	20,655	391,255
1970	1,015,500	618,288	551,500	483,600	388,680	388,310	388,310	80,200	39,000	20,790	404,185
1971	1,102,700	659,366	583,900	509,000	399,550	390,866	399,147	86,800	50,700	20,557	415,174
1972	1,212,800	726,240	638,700	563,300	452,050	442,830	451,574	98,300	54,600	22,045	471,247
1973	1,359,300	812,828	708,700	624,400	523,450	514,800	522,910	119,000	62,300	27,711	546,566
1974	1,472,800	891,285	772,600	681,600	593,600	586,690	592,963	118,800	65,200	29,952	619,778
1975	1,598,400	948,677	814,600	717,200	621,200	614,540	620,415	125,400	70,400	30,828	648,306
1976	1,782,800	1,057,852	899,500	797,200	689,100	681,800	688,070	137,700	78,800	34,293	719,228
1977	1,990,500	1,176,617	993,900	883,100	763,200	754,930	762,030	152,900	80,700	37,333	795,813
1978	2,249,700	1,329,227	1,119,300	1,002,200	858,200	849,100	856,980	175,200	93,700	41,897	894,937
1979	2,508,200	1,491,399	1,252,100	1,125,000	1,004,400	987,100	1,003,115	191,900	100,200	48,226	1,048,333
1980	2,732,000	1,638,221	1,372,000	1,230,500	1,104,200	1,096,700	1,102,680	180,700	97,700	49,693	1,149,373
1981	3,052,600	1,807,408	1,510,300	1,348,200	1,218,865	1,211,265	1,217,830	186,800	98,900	55,402	1,269,949
1982	3,166,000	1,907,008	1,586,100	1,423,300	1,288,710	1,281,610	1,287,580	175,500	98,600	56,052	1,340,647
1983	3,405,700	2,020,703	1,676,600	1,502,100	1,369,065	1,362,549	1,366,070	190,900	109,300	62,984	1,488,382
1984	3,765,000	2,214,679	1,836,800	1,665,022	1,517,062	1,508,741	1,514,082	236,900	117,200	93,194	1,607,641
1985	3,998,100	2,368,210	1,966,100	1,779,379	1,624,769	1,615,652	1,621,009	254,400	122,000	97,982	1,719,452
Alternative I:											
1986	4,215,636	2,504,644	2,084,175	1,896,151	1,732,579	1,722,907	1,728,604	284,346	132,621	105,764	1,834,646
1987	4,498,644	2,659,798	2,203,970	2,012,076	1,837,939	1,827,504	1,833,729	293,355	143,009	113,389	1,947,201
1988	4,831,293	2,851,190	2,351,832	2,154,277	1,965,043	1,953,398	1,960,603	302,822	152,329	120,893	2,081,116
1989	5,180,799	3,055,897	2,517,681	2,313,052	2,107,798	2,094,797	2,103,668	316,622	162,889	129,458	2,231,653
1990	5,532,597	3,263,225	2,682,621	2,470,219	2,251,725	2,237,534	2,246,695	335,088	159,597	130,413	2,375,853
1991	5,878,046	3,466,553	2,846,392	2,626,141	2,397,333	2,382,105	2,391,973	346,262	167,541	138,317	2,528,738
1992	6,192,610	3,659,671	3,000,133	2,772,925	2,535,123	2,519,090	2,529,423	356,653	174,716	145,310	2,673,120
1993	6,506,142	3,847,834	3,147,438	2,914,349	2,665,864	2,649,098	2,659,794	365,669	181,311	151,875	2,809,802
1994	6,835,611	4,043,149	3,301,164	3,061,990	2,801,189	2,783,570	2,794,719	376,407	188,642	158,881	2,951,553
1995	7,181,827	4,248,265	3,462,066	3,216,886	2,942,863	2,924,329	2,935,983	387,872	196,382	166,215	3,099,942
1996	7,545,507	4,463,667	3,630,613	3,379,374	3,092,247	3,072,811	3,084,927	401,527	205,297	174,731	3,257,220
1997	7,948,362	4,713,379	3,833,721	3,572,448	3,268,790	3,249,177	3,261,435	421,263	216,951	184,389	3,443,334
1998	8,371,839	4,964,501	4,037,976	3,767,000	3,446,805	3,426,124	3,439,050	443,707	228,509	194,233	3,630,440
1999	8,815,866	5,227,808	4,252,142	3,971,651	3,634,061	3,612,256	3,625,884	467,241	240,629	204,535	3,827,225
2000	9,286,274	5,506,760	4,479,034	4,188,088	3,832,101	3,809,108	3,823,478	492,173	253,469	215,449	4,035,362
2005	11,912,594	7,064,168	5,745,782	5,399,284	4,940,345	4,910,703	4,929,229	631,367	325,154	276,381	5,199,967
2010	15,112,016	8,961,426	7,288,954	6,869,537	6,285,627	6,249,913	6,271,484	800,937	412,482	350,610	6,613,929
2015	19,027,235	11,283,151	9,177,376	8,661,624	7,925,386	7,877,834	7,907,554	1,008,443	519,348	441,446	8,337,760
2020	23,843,207	14,139,022	11,500,255	10,853,963	9,931,376	9,871,787	9,909,030	1,263,690	650,800	553,180	10,447,209
2025	29,951,567	17,761,279	14,446,491	13,634,625	12,475,682	12,400,828	12,447,612	1,587,432	817,528	694,899	13,122,739
2030	38,010,738	22,540,367	18,333,658	17,303,340	15,832,557	15,737,561	15,796,933	2,014,569	1,037,503	881,878	16,652,745
2035	48,571,104	28,802,665	23,427,222	22,110,656	20,231,250	20,109,863	20,185,730	2,574,269	1,325,748	1,126,886	21,278,303
2040	62,105,351	36,828,473	29,955,173	28,271,749	25,868,650	25,713,438	25,810,446	3,291,584	1,695,166	1,440,891	27,206,453
2045	79,396,375	47,082,500	38,295,125	36,143,011	33,070,855	32,872,430	32,996,445	4,208,008	2,167,124	1,842,055	34,780,113
2050	101,685,492	60,299,497	49,045,799	46,289,517	42,354,908	42,100,778	42,259,609	5,389,331	2,775,505	2,359,180	44,542,994
2055	130,562,999	77,423,799	62,974,192	59,435,161	54,383,172	54,056,873	54,260,810	6,919,834	3,563,714	3,029,157	57,191,619
2060	167,847,182	99,533,379	80,957,460	76,407,802	69,913,139	69,493,660	69,755,835	8,895,901	4,581,389	3,894,181	73,522,548
2065	215,653,460	127,882,502	104,015,785	98,170,293	89,825,818	89,286,863	89,623,710	11,429,633	5,886,261	5,003,322	94,462,228
Alternative II-A:											
1986	4,213,220	2,499,417	2,073,991	1,886,364	1,724,946	1,715,407	1,720,971	284,285	132,561	105,736	1,827,051
1987	4,476,339	2,649,370	2,194,795	2,003,219	1,830,719	1,820,439	1,826,590	292,851	142,832	113,160	1,939,829
1988	4,789,133	2,829,845	2,333,169	2,136,151	1,947,987	1,936,565	1,943,547	302,114	152,092	120,220	2,063,498
1989	5,127,289	3,027,623	2,492,744	2,288,681	2,085,338	2,072,690	2,080,680	316,674	163,004	128,910	2,208,821
1990	5,477,865	3,234,291	2,656,598	2,444,847	2,228,038	2,214,242	2,223,008	336,169	160,291	130,212	2,352,162
1991	5,834,560	3,445,540	2,826,359	2,606,488	2,377,383	2,362,517	2,372,023	348,534	169,221	138,543	2,509,195
1992	6,184,548	3,656,795	2,994,721	2,767,028	2,525,135	2,509,283	2,519,435	361,452	177,974	146,570	2,664,364
1993	6,536,830	3,867,606	3,160,171	2,925,240	2,670,812	2,654,125	2,664,742	373,900	186,602	154,505	2,817,425
1994	6,908,990	4,088,445	3,334,358	3,091,869	2,822,795	2,805,123	2,816,325	387,722	195,980	162,996	2,977,255
1995	7,302,214	4,321,504	3,517,674	3,267,723	2,982,676	2,963,929	2,975,796	402,450	205,932	171,928	3,145,374
1996	7,717,775	4,567,740	3,710,891	3,453,364	3,152,044	3,132,207	3,144,724	419,778	217,295	182,223	3,324,925
1997	8,159,337	4,838,487	3,926,919	3,658,636	3,338,506	3,318,475	3,330,994	440,604	229,114	192,403	3,520,773
1998	8,630,552	5,117,917	4,149,551	3,870,505	3,531,835						

Table A13.—GNP, OASDI Effective Taxable Payroll, and their Linkages by Alternative —Continued
 [In millions]

Year	Gross National Product	Employee Compensation	Wages	Covered Wages	Taxable Wages	Employee Taxable Wages	Employer Taxable Wages	Self Employment Income	Covered SE Income	Effective Taxable SE Income	Effective Taxable Payroll
Alternative II-A: (Cont.)											
2035	55,813,889	33,097,636	25,859,963	24,409,215	22,273,409	22,139,768	22,223,293	3,013,950	1,567,254	1,302,055	23,487,222
2040	71,766,054	42,557,270	33,085,076	31,228,997	28,496,460	28,325,481	28,432,343	3,875,367	2,015,191	1,671,765	30,054,313
2045	92,133,952	54,635,434	42,262,989	39,892,028	36,401,476	36,183,067	36,319,572	4,975,233	2,587,121	2,143,093	38,398,048
2050	118,189,039	70,085,100	53,944,249	50,917,697	46,462,645	46,183,869	46,358,104	6,382,208	3,318,748	2,745,109	49,019,732
2055	152,036,529	90,157,661	69,046,764	65,173,229	59,470,572	59,113,748	59,336,763	8,209,973	4,269,186	3,526,043	62,754,934
2060	195,960,980	116,204,861	88,550,786	83,583,074	76,269,555	75,811,938	76,097,948	10,581,893	5,502,584	4,537,978	80,496,557
2065	252,539,068	149,755,668	113,547,831	107,177,779	97,799,723	97,212,925	97,579,674	13,637,110	7,091,297	5,639,431	103,239,366
Alternative II-B:											
1986	4,209,620	2,497,729	2,072,543	1,884,942	1,723,818	1,714,297	1,719,843	284,158	132,478	105,682	1,825,878
1987	4,433,177	2,629,284	2,177,303	1,986,023	1,816,715	1,806,745	1,812,505	290,779	141,741	112,297	1,925,117
1988	4,733,596	2,801,484	2,308,292	2,111,869	1,927,545	1,916,578	1,923,105	300,332	151,129	119,321	2,042,385
1989	5,044,281	2,984,778	2,454,882	2,251,763	2,052,244	2,040,218	2,047,514	314,525	161,793	127,377	2,174,506
1990	5,414,339	3,201,231	2,626,123	2,415,068	2,199,568	2,186,338	2,194,538	336,555	160,654	129,538	2,323,298
1991	5,814,458	3,434,606	2,813,715	2,593,675	2,359,365	2,344,678	2,354,005	352,598	171,702	138,839	2,491,563
1992	6,207,246	3,670,845	3,002,301	2,772,781	2,523,701	2,507,847	2,518,001	369,496	182,715	148,534	2,664,898
1993	6,601,808	3,908,319	3,189,231	2,950,922	2,689,065	2,672,385	2,682,995	384,429	193,238	158,018	2,839,202
1994	7,021,384	4,157,376	3,386,041	3,138,647	2,861,533	2,843,869	2,855,063	401,466	204,835	166,308	3,021,322
1995	7,467,488	4,421,983	3,594,506	3,338,009	3,043,739	3,024,963	3,036,859	419,774	217,245	179,186	3,213,696
1996	7,942,020	4,703,306	3,815,729	3,549,961	3,237,624	3,217,683	3,230,304	441,005	231,356	191,628	3,419,277
1997	8,443,141	5,006,782	4,053,811	3,775,990	3,443,703	3,423,040	3,435,954	464,373	243,796	202,239	3,635,391
1998	8,984,342	5,327,715	4,305,032	4,014,754	3,661,456	3,639,487	3,653,218	494,139	259,423	215,084	3,865,922
1999	9,557,415	5,667,547	4,570,472	4,267,798	3,892,232	3,868,878	3,883,474	525,658	275,970	228,677	4,108,508
2000	10,164,477	6,027,535	4,851,055	4,534,950	4,135,874	4,111,059	4,126,569	559,046	293,499	243,067	4,365,536
2005	13,736,669	8,145,845	6,490,606	6,099,335	5,562,594	5,529,218	5,550,078	755,517	396,646	327,575	5,870,878
2010	18,325,165	10,866,823	8,572,440	8,080,513	7,369,428	7,325,212	7,352,847	1,007,884	529,139	453,764	7,778,448
2015	24,181,577	14,339,675	11,199,378	10,572,483	9,642,104	9,584,252	9,620,410	1,329,987	698,243	573,384	10,179,370
2020	31,638,312	18,761,519	14,506,922	13,694,884	12,489,735	12,414,796	12,461,839	1,740,107	913,556	748,027	13,189,897
2025	41,369,232	24,531,955	18,779,851	17,728,632	16,168,513	16,071,502	16,132,134	2,275,308	1,194,537	975,323	17,080,706
2030	54,469,022	32,300,130	24,480,313	23,110,006	21,076,326	20,949,868	21,028,904	2,995,796	1,572,793	1,280,241	22,273,282
2035	72,108,937	42,760,599	32,085,527	30,289,512	27,624,035	27,458,291	27,561,881	3,965,992	2,082,146	1,689,765	29,203,506
2040	95,422,916	56,585,789	42,036,396	39,683,373	36,191,236	35,974,089	36,109,806	5,248,260	2,755,337	2,229,301	36,274,903
2045	126,104,015	74,779,681	54,998,952	51,920,338	47,351,349	47,067,241	47,244,808	6,935,721	3,641,253	2,937,019	50,096,699
2050	166,575,728	98,779,407	71,926,666	67,900,509	61,925,264	61,553,712	61,785,932	9,161,665	4,809,874	3,867,538	65,541,016
2055	220,374,523	130,682,092	94,208,980	88,935,551	81,109,222	80,622,567	80,926,726	12,120,599	6,363,314	5,100,493	85,878,795
2060	292,331,097	173,352,340	123,725,334	116,799,702	106,521,328	105,882,200	106,281,655	16,078,210	8,441,060	6,744,288	112,829,872
2065	387,724,071	229,920,374	162,464,729	153,370,626	139,874,011	139,034,767	139,559,294	21,324,824	11,195,533	8,916,133	148,216,818
Alternative III:											
1986	4,205,977	2,496,018	2,062,975	1,875,330	1,716,291	1,706,899	1,712,316	284,079	132,415	105,644	1,818,378
1987	4,279,274	2,567,893	2,122,446	1,932,236	1,772,547	1,763,588	1,768,337	283,869	138,629	109,223	1,878,381
1988	4,522,237	2,684,844	2,206,421	2,012,208	1,839,460	1,830,546	1,835,020	289,009	145,338	113,834	1,949,839
1989	4,832,595	2,878,470	2,359,163	2,159,205	1,965,739	1,955,201	1,961,009	316,671	161,461	124,501	2,085,869
1990	5,072,444	3,027,094	2,470,118	2,262,357	2,059,906	2,049,956	2,054,876	324,132	154,846	121,845	2,177,586
1991	5,526,354	3,268,569	2,664,794	2,448,530	2,226,380	2,214,662	2,221,020	358,124	171,988	136,080	2,357,301
1992	5,941,688	3,520,487	2,865,173	2,639,135	2,396,278	2,382,975	2,390,578	376,635	184,778	146,162	2,536,376
1993	6,376,139	3,778,953	3,070,210	2,834,526	2,578,294	2,563,893	2,572,224	396,540	198,365	158,003	2,729,556
1994	6,842,041	4,055,503	3,290,174	3,044,305	2,769,283	2,753,475	2,762,813	417,833	213,020	170,263	2,931,957
1995	7,342,241	4,351,906	3,525,199	3,268,894	2,972,307	2,954,928	2,965,427	440,796	228,814	183,273	3,147,055
1996	7,874,903	4,667,664	3,774,987	3,507,956	3,188,240	3,169,173	3,180,920	467,462	246,761	198,131	3,376,841
1997	8,406,275	4,984,921	4,019,475	3,739,951	3,399,616	3,379,218	3,391,967	495,570	262,864	210,023	3,604,627
1998	8,992,807	5,332,735	4,287,026	3,993,937	3,630,489	3,608,706	3,622,320	530,976	281,205	230,209	3,849,385
1999	9,613,085	5,700,560	4,568,975	4,262,427	3,874,546	3,851,299	3,865,828	567,172	300,601	245,884	4,108,111
2000	10,263,940	6,086,516	4,863,683	4,542,824	4,129,427	4,104,650	4,120,136	605,572	320,953	262,314	4,378,370
2005	14,184,352	8,411,321	6,621,197	6,218,397	5,652,523	5,618,608	5,639,805	836,877	443,545	360,990	5,993,859
2010	19,299,941	11,444,865	8,874,804	8,361,976	7,601,036	7,555,430	7,583,933	1,138,696	603,509	489,086	8,062,430
2015	25,844,590	15,325,842	11,707,070	11,047,939	10,042,576	9,982,321	10,019,980	1,524,831	808,160	652,991	10,656,905
2020	34,154,274	20,253,485	15,240,507	14,382,437	13,073,635	12,995,193	13,044,219	2,015,102	1,068,004	857,941	13,881,311
2025	44,852,858	26,597,745	19,716,066	18,606,013	16,912,866	16,811,388	16,874,812	2,646,319	1,402,549	1,121,606	17,968,369
2030	59,080,790	35,034,908	25,583,045	24,142,669	21,945,686	21,814,012	21,896,308	3,485,767	1,847,456	1,470,610	23,329,433
2035	77,988,142	46,246,968	33,266,745	31,393,762	28,536,929	28,365,708	28,472,721	4,601,300	2,438,689	1,932,158	30,355,035
2040	102,655,176	60,874,519	43,135,851	40,707,218	37,002,861	36,780,844	36,919,605	6,056,655	3,210,027	2,531,156	39,385,044
2045	134,236,779	79,602,410	55,565,450	52,437,006	47,665,238	47,379,247	47,557,992	7,919,970	4,197,584	3,293,775	50,766,058
2050	174,940,055	103,739,452	71,334,294	67,318,033	61,192,092	60,824,939	61,054,409	10,321,463	5,470,376	4,271,254	65,214,591
2055	228,120,392	135,275,393	91,632,389	86,473,305	78,604,234	78,132,609	78,427,375	13,459,103	7,133,325	5,541,562	83,825,217
2060	298,347,347	176,919,976	118,054,588	111,407,882	101,269,765	100,662,146	101,041,908	17,602,493	9,329,322	7,210,238	108,065,928
2065	390,323,895	231,462,070	152,146,379	143,580,238	130,514,437	129,731,350	130,220,779	23,029,110	12,205,428	9,383,569	136,363,298

Table A14.—Ratios of the Linkages between GNP and HI Effective Taxable Payroll by Alternative

Year	Employee Compensation to Gross National Product	Wages to Employee Compensation	Covered Wages to Wages	Taxable Wages to Covered Wages	Employee Taxable Wages to Taxable Wages	Employer Taxable Wages to Taxable Wages	Self Employment Income to GNP	Covered SE Income to SE Income	Effective Taxable SE Income to Covered SE Income	Effective Taxable Payroll to GNP
Alternative I:										
1986	.59318	.83346	.94200	.91533	.99443	.99779	.06745	.46641	.79611	.45310
1987	.59124	.82862	.94508	.91510	.99433	.99779	.06521	.48749	.79159	.45049
1988	.59015	.82486	.94754	.91388	.99409	.99782	.06268	.50303	.79240	.44795
1989	.58985	.82388	.94966	.91304	.99385	.99783	.06111	.51446	.79361	.44758
1990	.58982	.82208	.95142	.91341	.99371	.99784	.06057	.47628	.81604	.44604
1991	.58975	.82110	.95310	.91464	.99366	.99784	.05891	.48386	.82453	.44664
1992	.59097	.81978	.95463	.91599	.99369	.99783	.05759	.48988	.83140	.44801
1993	.59142	.81798	.95630	.91649	.99372	.99780	.05620	.49583	.83675	.44815
1994	.59148	.81648	.95760	.91657	.99372	.99777	.05507	.50116	.84141	.44786
1995	.59153	.81494	.95887	.91655	.99371	.99774	.05401	.50630	.84563	.44747
1996	.59157	.81337	.96035	.91678	.99373	.99771	.05321	.51129	.85044	.44738
1997	.59300	.81337	.96146	.91700	.99400	.99780	.05300	.51500	.85000	.44907
1998	.59300	.81337	.96263	.91700	.99400	.99780	.05300	.51500	.85000	.44952
1999	.59300	.81337	.96384	.91700	.99400	.99780	.05300	.51500	.85000	.44999
2000	.59300	.81337	.96506	.91700	.99400	.99780	.05300	.51500	.85000	.45047
2005	.59300	.81337	.97126	.91700	.99400	.99780	.05300	.51500	.85000	.45296
2010	.59300	.81337	.97747	.91700	.99400	.99780	.05300	.51500	.85000	.45553
2015	.59300	.81337	.98047	.91700	.99400	.99780	.05300	.51500	.85000	.45673
2020	.59300	.81337	.98047	.91700	.99400	.99780	.05300	.51500	.85000	.45665
2025	.59300	.81337	.98047	.91700	.99400	.99780	.05300	.51500	.85000	.45660
2030	.59300	.81337	.98047	.91700	.99400	.99780	.05300	.51500	.85000	.45656
2035	.59300	.81337	.98047	.91700	.99400	.99780	.05300	.51500	.85000	.45654
2040	.59300	.81337	.98047	.91700	.99400	.99780	.05300	.51500	.85000	.45653
2045	.59300	.81337	.98047	.91700	.99400	.99780	.05300	.51500	.85000	.45651
2050	.59300	.81337	.98047	.91700	.99400	.99780	.05300	.51500	.85000	.45650
2055	.59300	.81337	.98047	.91700	.99400	.99780	.05300	.51500	.85000	.45650
2060	.59300	.81337	.98047	.91700	.99400	.99780	.05300	.51500	.85000	.45649
2065	.59300	.81337	.98047	.91700	.99400	.99780	.05300	.51500	.85000	.45648
Alternative II-A:										
1986	.59323	.82979	.94190	.91600	.99448	.99778	.06747	.46630	.79626	.45155
1987	.59186	.82842	.94499	.91552	.99440	.99778	.06542	.48773	.79096	.45103
1988	.59089	.82449	.94735	.91361	.99415	.99780	.06308	.50342	.78921	.44809
1989	.59049	.82333	.94939	.91290	.99395	.99781	.06176	.51474	.78969	.44763
1990	.59043	.82138	.95119	.91316	.99382	.99782	.06137	.47682	.81125	.44596
1991	.59054	.82030	.95293	.91384	.99376	.99782	.05974	.48552	.81768	.44639
1992	.59128	.81895	.95451	.91430	.99373	.99782	.05844	.49239	.82258	.44697
1993	.59166	.81709	.95616	.91474	.99376	.99780	.05720	.49907	.82710	.44705
1994	.59176	.81556	.95742	.91468	.99375	.99778	.05612	.50546	.83088	.44671
1995	.59181	.81399	.95867	.91447	.99373	.99777	.05511	.51170	.83414	.44624
1996	.59185	.81241	.96013	.91445	.99372	.99775	.05439	.51764	.83793	.44606
1997	.59300	.81160	.96123	.91450	.99400	.99780	.05400	.52000	.83977	.44694
1998	.59300	.81079	.96239	.91450	.99400	.99780	.05400	.52000	.83954	.44694
1999	.59300	.80998	.96361	.91450	.99400	.99780	.05400	.52000	.83907	.44696
2000	.59300	.80917	.96482	.91450	.99400	.99780	.05400	.52000	.83907	.44699
2005	.59300	.80513	.97100	.91450	.99400	.99780	.05400	.52000	.83790	.44726
2010	.59300	.80111	.97718	.91450	.99400	.99780	.05400	.52000	.83673	.44760
2015	.59300	.79712	.98044	.91450	.99400	.99780	.05400	.52000	.83555	.44763
2020	.59300	.79314	.98044	.91450	.99400	.99780	.05400	.52000	.83437	.44752
2025	.59300	.78918	.98044	.91450	.99400	.99780	.05400	.52000	.83318	.44734
2030	.59300	.78524	.98044	.91450	.99400	.99780	.05400	.52000	.83199	.44720
2035	.59300	.78132	.98044	.91450	.99400	.99780	.05400	.52000	.83079	.43807
2040	.59300	.77742	.98044	.91450	.99400	.99780	.05400	.52000	.82958	.43595
2045	.59300	.77355	.98044	.91450	.99400	.99780	.05400	.52000	.82837	.43385
2050	.59300	.76969	.98044	.91450	.99400	.99780	.05400	.52000	.82715	.43175
2055	.59300	.76584	.98044	.91450	.99400	.99780	.05400	.52000	.82593	.42967
2060	.59300	.76202	.98044	.91450	.99400	.99780	.05400	.52000	.82470	.42761
2065	.59300	.75822	.98044	.91450	.99400	.99780	.05400	.52000	.82346	.42555
Alternative II-B:										
1986	.59334	.82977	.94188	.91609	.99449	.99778	.06750	.46621	.79636	.45165
1987	.59309	.82810	.94468	.91637	.99452	.99777	.06559	.48745	.79097	.45208
1988	.59183	.82395	.94703	.91440	.99432	.99778	.06345	.50321	.78831	.44886
1989	.59172	.82247	.94897	.91311	.99415	.99778	.06235	.51440	.78614	.44814
1990	.59125	.82035	.95090	.91257	.99400	.99779	.06216	.47735	.80521	.44583
1991	.59070	.81922	.95281	.91135	.99379	.99781	.06064	.48696	.80758	.44492
1992	.59138	.81788	.95434	.91184	.99373	.99782	.05953	.49450	.81197	.44553
1993	.59201	.81601	.95596	.91292	.99381	.99782	.05823	.50266	.81686	.44614
1994	.59210	.81447	.95721	.91335	.99384	.99781	.05718	.51022	.82087	.44610
1995	.59216	.81287	.95844	.91347	.99384	.99781	.05621	.51753	.82408	.44584
1996	.59221	.81129	.95987	.91365	.99385	.99781	.05553	.52461	.82762	.44581
1997	.59300	.80966	.96096	.91400	.99400	.99780	.05500	.52500	.82954	.44595
1998	.59300	.80804	.96212	.91400	.99400	.99780	.05500	.52500	.82909	.44552
1999	.59300	.80643	.96332	.91400	.99400	.99780	.05500	.52500	.82863	.44511
2000	.59300	.80482	.96453	.91400	.99400	.99780	.05500	.52500	.82817	.44471
2005	.59300	.79680	.97069	.91400	.99400	.99780	.05500	.52500	.82586	.44282
2010	.59300	.78886	.97684	.91400	.99400	.99780	.05500	.52500	.82353	.44101
2015	.59300	.78101	.98040	.91400	.99400	.99780	.05500	.52500	.82118	.43817
2020	.59300	.77323	.98040	.91400	.99400	.99780	.05500	.52500	.81881	.43591
2025	.59300	.76553	.98040	.91400	.99400	.99780	.05500	.52500	.81641	.42972
2030	.59300	.75790	.98040	.91400	.99400	.99780	.05500	.52500	.81399	.42558
2035	.59300	.75035	.98040	.91400	.99400	.99780	.05500	.52500	.81155	.42149
2040	.59300	.74288	.98040	.91400	.99400	.99780	.05500	.52500	.80908	.41744
2045	.59300	.73548	.98040	.91400	.99400	.99780	.05500	.52500	.80660	.41344
2050	.59300	.72815	.98040	.91400	.99400	.99780	.05500	.52500	.80408	.40947
2055	.59300	.72090	.98040	.91400	.99400	.99780	.05500	.52500	.80155	.40555
2060	.59300	.71372	.98040	.91400	.99400	.99780	.05500	.52500	.79899	.40166

Table A14.—Ratios of the Linkages between GNP and HI Effective Taxable Payroll by Alternative —Continued

Year	Employee Compensation to Gross National Product	Wages to Employee Compensation	Covered Wages to Wages	Taxable Wages to Covered Wages	Employee Taxable Wages to Taxable Wages	Employer Taxable Wages to Taxable Wages	Self Employment Income to GNP	Covered SE Income to SE Income	Effective Taxable SE Income to Covered SE Income	Effective Taxable Payroll to GNP
Alternative II-B: (Cont.)										
2085 .....	.59300	.70661	.98040	.91400	.99400	.99780	.05500	.52500	.79640	.39781
Alternative III:										
1986 .....	.59345	.82851	.94159	.91675	.99454	.99777	.06754	.46612	.79645	.45025
1987 .....	.60008	.82653	.94368	.91892	.99495	.99771	.06634	.48835	.78659	.45728
1988 .....	.59370	.82181	.94536	.91579	.99516	.99768	.06391	.50288	.78203	.44910
1989 .....	.59564	.81959	.94786	.91204	.99465	.99768	.06553	.50987	.78997	.44901
1990 .....	.59677	.81600	.94864	.91225	.99517	.99765	.06390	.47772	.78582	.44663
1991 .....	.59145	.81528	.95086	.91088	.99475	.99768	.06480	.48025	.79022	.44318
1992 .....	.59251	.81386	.95255	.90953	.99446	.99770	.06339	.49060	.79008	.44307
1993 .....	.59267	.81245	.95425	.91112	.99442	.99773	.06219	.50024	.78567	.44396
1994 .....	.59273	.81129	.95560	.91114	.99430	.99774	.06107	.50982	.78950	.44396
1995 .....	.59272	.81004	.95692	.91073	.99416	.99776	.06004	.51909	.80026	.44362
1996 .....	.59273	.80875	.95840	.91032	.99403	.99778	.05936	.52787	.80229	.44348
1997 .....	.59300	.80633	.95949	.91000	.99400	.99780	.05900	.53000	.81933	.44312
1998 .....	.59300	.80391	.96066	.91000	.99400	.99780	.05900	.53000	.81865	.44225
1999 .....	.59300	.80150	.96186	.91000	.99400	.99780	.05900	.53000	.81798	.44141
2000 .....	.59300	.79909	.96308	.91000	.99400	.99780	.05900	.53000	.81730	.44058
2005 .....	.59300	.78718	.96926	.91000	.99400	.99780	.05900	.53000	.81387	.43658
2010 .....	.59300	.77544	.97545	.91000	.99400	.99780	.05900	.53000	.81040	.43271
2015 .....	.59300	.76388	.98027	.91000	.99400	.99780	.05900	.53000	.80688	.42836
2020 .....	.59300	.75249	.98027	.91000	.99400	.99780	.05900	.53000	.80331	.42214
2025 .....	.59300	.74127	.98027	.91000	.99400	.99780	.05900	.53000	.79969	.41604
2030 .....	.59300	.73022	.98027	.91000	.99400	.99780	.05900	.53000	.79602	.41005
2035 .....	.59300	.71933	.98027	.91000	.99400	.99780	.05900	.53000	.79229	.40416
2040 .....	.59300	.70860	.98027	.91000	.99400	.99780	.05900	.53000	.78852	.39837
2045 .....	.59300	.69804	.98027	.91000	.99400	.99780	.05900	.53000	.78468	.39268
2050 .....	.59300	.68763	.98027	.91000	.99400	.99780	.05900	.53000	.78080	.38707
2055 .....	.59300	.67738	.98027	.91000	.99400	.99780	.05900	.53000	.77686	.38153
2060 .....	.59300	.66728	.98027	.91000	.99400	.99780	.05900	.53000	.77286	.37608
2065 .....	.59300	.65733	.98027	.91000	.99400	.99780	.05900	.53000	.76880	.37070

Table A15.—GNP, HI Effective Taxable Payroll, and their Linkages by Alternative
[In millions]

Year	Gross National Product	Employee Compensation	Wages	Covered Wages	Taxable Wages	Employee Taxable Wages	Employer Taxable Wages	Self Employment Income	Covered SE Income	Effective Taxable SE Income	Effective Taxable Payroll
Alternative I:											
1986	4,215,636	2,500,644	2,084,175	1,963,289	1,797,049	1,787,035	1,793,074	284,346	132,621	105,581	1,910,110
1987	4,498,644	2,659,798	2,203,970	2,082,933	1,906,093	1,895,292	1,901,883	293,355	143,009	113,204	2,026,612
1988	4,831,293	2,851,190	2,351,832	2,228,447	2,036,530	2,024,486	2,032,090	302,822	152,329	120,706	2,164,194
1989	5,180,799	3,055,897	2,517,681	2,390,930	2,183,010	2,169,575	2,178,280	316,622	162,889	129,270	2,318,839
1990	5,532,597	3,263,225	2,682,621	2,552,312	2,331,315	2,316,655	2,326,285	335,088	159,597	130,237	2,467,782
1991	5,878,046	3,466,553	2,846,392	2,712,890	2,481,315	2,465,585	2,475,955	346,262	167,541	138,142	2,625,386
1992	6,192,610	3,659,671	3,000,133	2,864,014	2,623,417	2,606,857	2,617,717	356,653	174,716	145,260	2,774,382
1993	6,506,142	3,847,834	3,147,438	3,009,902	2,758,535	2,741,219	2,752,465	365,669	181,311	151,712	2,915,735
1994	6,835,611	4,043,149	3,301,164	3,161,197	2,897,453	2,879,263	2,890,983	376,407	188,642	158,725	3,061,406
1995	7,181,827	4,248,265	3,462,066	3,319,679	3,042,651	3,023,526	3,035,771	387,872	196,382	166,067	3,213,651
1996	7,545,507	4,463,667	3,630,613	3,486,664	3,196,487	3,176,435	3,189,167	401,527	205,297	174,592	3,375,745
1997	7,948,362	4,713,379	3,833,721	3,685,953	3,380,019	3,359,739	3,372,583	421,263	216,951	184,408	3,569,353
1998	8,371,839	4,964,501	4,037,976	3,887,061	3,564,435	3,543,048	3,556,593	443,707	228,509	194,233	3,763,290
1999	8,815,866	5,227,808	4,252,142	4,098,392	3,758,226	3,735,676	3,749,958	467,241	240,629	204,535	3,967,063
2000	9,286,274	5,506,760	4,479,034	4,322,543	3,963,772	3,939,989	3,955,051	492,173	253,469	215,449	4,183,177
2005	11,912,594	7,064,168	5,745,782	5,580,673	5,117,477	5,086,772	5,108,218	631,367	325,154	276,381	5,395,957
2010	15,112,016	8,961,426	7,288,954	7,124,712	6,533,361	6,494,160	6,518,987	800,937	412,482	350,610	6,889,923
2015	19,027,235	11,283,151	9,177,376	8,998,165	8,251,317	8,201,810	8,233,165	1,008,443	519,348	441,446	8,690,372
2020	23,843,207	14,139,222	11,500,255	11,275,685	10,339,803	10,277,764	10,317,056	1,263,690	660,800	553,180	10,888,105
2025	29,951,567	17,761,279	14,446,491	14,164,388	12,988,744	12,910,811	12,960,169	1,587,433	817,528	694,899	13,675,827
2030	38,010,738	22,540,367	18,333,658	17,975,649	16,483,670	16,384,768	16,447,406	2,014,569	1,037,503	881,878	17,354,312
2035	48,571,104	28,802,665	23,427,222	22,969,749	21,063,260	20,936,880	21,016,920	2,574,269	1,325,748	1,126,886	22,174,784
2040	62,105,351	36,828,473	29,955,173	29,370,226	26,932,497	26,770,902	26,873,246	3,291,584	1,695,166	1,440,891	28,352,736
2045	79,396,375	47,082,050	38,295,125	37,547,320	34,430,892	34,224,307	34,355,144	4,208,008	2,167,124	1,842,055	36,245,539
2050	101,685,492	60,299,497	49,045,799	48,088,061	44,096,752	43,832,171	43,999,739	5,389,331	2,775,505	2,359,180	46,419,811
2055	130,562,899	77,423,799	62,974,192	61,744,468	56,619,678	56,279,959	56,495,114	6,919,834	3,619,834	3,029,157	59,601,429
2060	167,847,182	99,533,379	80,957,460	79,376,569	72,788,314	72,351,584	72,628,180	8,895,901	4,583,719	3,894,181	76,620,518
2065	215,653,460	127,882,502	104,015,785	101,984,624	93,519,901	92,958,781	93,314,157	11,429,633	5,886,261	5,003,322	98,442,563
Alternative II-A:											
1986	4,213,220	2,499,417	2,073,991	1,953,502	1,789,416	1,779,538	1,785,441	284,265	132,561	105,553	1,902,461
1987	4,476,339	2,649,370	2,194,795	2,074,068	1,898,860	1,888,217	1,894,650	292,851	142,892	112,975	2,018,956
1988	4,789,133	2,829,845	2,333,169	2,210,330	2,019,386	2,007,569	2,014,946	302,114	152,092	120,033	2,145,956
1989	5,127,289	3,027,623	2,492,744	2,366,581	2,160,456	2,147,381	2,155,726	316,674	163,004	128,723	2,295,128
1990	5,477,863	3,234,291	2,656,596	2,526,935	2,307,490	2,292,233	2,302,460	336,169	160,291	130,036	2,442,930
1991	5,834,560	3,445,540	2,826,359	2,693,309	2,461,253	2,445,894	2,455,893	348,534	169,221	138,368	2,604,506
1992	6,184,548	3,656,795	2,994,721	2,858,490	2,613,529	2,597,154	2,607,829	361,452	177,974	146,399	2,724,331
1993	6,536,830	3,867,606	3,160,171	3,021,620	2,763,996	2,746,759	2,757,926	373,900	186,602	154,339	2,922,300
1994	6,908,990	4,088,445	3,334,358	3,192,384	2,920,013	2,901,769	2,913,543	387,722	195,980	162,336	3,086,317
1995	7,302,214	4,321,504	3,517,674	3,372,305	3,083,856	3,064,512	3,076,976	402,450	205,932	171,076	3,258,554
1996	7,717,775	4,567,740	3,710,891	3,562,938	3,258,135	3,237,672	3,250,815	419,778	217,295	182,078	3,442,601
1997	8,159,337	4,838,487	3,926,919	3,774,667	3,451,933	3,431,222	3,444,339	440,604	229,114	192,403	3,646,897
1998	8,630,552	5,117,917	4,149,551	3,993,503	3,652,059	3,630,146	3,644,024	466,050	242,346	203,558	3,857,309
1999	9,127,088	5,412,363	4,383,897	4,224,345	3,863,163	3,839,984	3,854,664	492,863	256,889	215,104	4,079,464
2000	9,652,859	5,724,145	4,631,797	4,468,850	4,086,763	4,062,242	4,077,772	521,254	271,052	227,432	4,314,765
2005	12,646,881	7,499,600	6,038,157	5,863,057	5,361,765	5,329,595	5,349,970	682,932	355,124	297,560	5,656,452
2010	16,381,815	9,714,416	7,782,344	7,604,768	6,954,560	6,912,833	6,939,260	884,618	460,001	384,898	7,332,523
2015	20,993,545	12,449,172	9,923,426	9,729,530	8,897,490	8,844,105	8,877,916	1,133,651	599,499	492,558	9,378,546
2020	26,686,148	15,826,072	12,552,255	12,306,765	11,254,537	11,187,009	11,229,777	1,441,160	749,403	625,280	11,863,343
2025	33,882,528	20,092,339	15,856,471	15,546,360	14,217,146	14,131,843	14,185,868	1,829,657	951,421	792,707	14,987,765
2030	43,387,104	25,728,553	20,203,139	19,808,018	18,114,432	18,005,745	18,074,580	2,342,904	1,218,310	1,013,619	19,098,957
2035	55,813,889	33,097,636	25,859,963	25,354,209	23,186,425	23,047,306	23,135,414	3,013,950	1,567,254	1,302,055	24,450,221
2040	71,766,054	42,557,270	33,085,076	32,438,017	29,486,579	29,486,579	29,599,305	3,875,367	2,015,191	1,671,765	31,288,367
2045	92,133,952	54,635,434	42,262,989	41,436,344	37,893,619	37,666,257	37,810,253	4,975,233	2,587,121	2,143,093	39,971,880
2050	118,189,039	70,086,100	53,944,249	52,889,240	48,367,209	48,077,006	48,260,801	6,382,208	3,318,748	2,745,109	51,028,561
2055	152,036,529	90,157,661	69,046,764	67,696,389	61,908,347	61,536,897	61,772,149	8,209,973	4,269,186	3,526,043	65,326,167
2060	195,960,980	116,204,861	88,550,788	86,818,964	79,395,943	78,919,567	79,221,272	10,581,893	5,502,584	4,537,978	83,794,101
2065	252,539,063	149,755,668	113,547,831	111,327,130	101,808,660	101,197,808	101,584,681	13,637,110	7,091,297	5,839,431	107,467,772
Alternative II-B:											
1986	4,209,620	2,497,729	2,072,543	1,952,079	1,788,287	1,778,428	1,784,312	284,158	132,478	105,500	1,901,281
1987	4,433,177	2,629,284	2,177,303	2,056,845	1,884,828	1,874,502	1,880,618	290,779	141,741	112,113	2,004,148
1988	4,733,596	2,801,484	2,308,292	2,186,019	1,998,893	1,987,543	1,994,453	300,332	151,129	119,136	2,124,731
1989	5,044,281	2,984,778	2,454,882	2,329,617	2,127,188	2,114,749	2,122,458	314,525	161,793	127,192	2,260,550
1990	5,414,339	3,201,231	2,626,123	2,497,184	2,278,867	2,265,191	2,273,837	336,555	160,654	129,360	2,413,887
1991	5,814,458	3,434,606	2,813,715	2,680,945	2,443,287	2,428,112	2,437,927	352,598	171,702	138,663	2,586,982
1992	6,207,246	3,670,845	3,002,301	2,865,230	2,612,625	2,596,245	2,606,925	369,496	182,715	148,360	2,765,521
1993	6,601,808	3,908,319	3,189,231	3,048,767	2,783,280	2,766,045	2,777,210	384,429	193,238	157,848	2,945,310
1994	7,021,384	4,157,376	3,386,041	3,241,143	2,960,307	2,942,066	2,953,837	401,466	204,835	168,143	3,132,129
1995	7,467,488	4,421,983	3,594,506	3,445,106	3,147,010	3,127,633	3,140,130	419,774	217,245	179,027	3,329,329
1996	7,942,020	4,703,306	3,815,729	3,662,602	3,346,352	3,325,779	3,339,032	441,005	231,356	191,475	3,540,637
1997	8,443,141	5,006,782	4,053,811	3,895,554	3,560,536	3,539,173	3,552,703	464,373	243,796	202,239	3,765,240
1998	8,984,342	5,327,715	4,305,032	4,141,956	3,785,748	3,763,033	3,777,419	494,139	259,423	215,084	4,002,700
1999	9,557,415	5,667,547	4,570,472	4,402,848	4,024,203	4,000,058	4,015,350	525,658	275,970	228,677	4,254,120
2000	10,164,477	6,027,535	4,851,055	4,679,005	4,276,611	4,250,951	4,267,202	559,046	293,499	243,067	4,520,257
2005	13,736,669	8,145,845	6,490,606	6,300,348	5,758,518	5,723,967	5,745,850	755,517	396,646	327,575	6,082,873
2010	18,325,165	10,866,823	8,572,440	8,373,909	7,653,753	7,607,830	7,636,914	1,007,884	529,139	435,764	8,081,662
2015	24,181,577	14,399,675	11,199,378	10,979,916							

Table A15.—GNP, HI Effective Taxable Payroll, and their Linkages by Alternative —Continued
 [In millions]

Year	Gross National Product	Employee Compensation	Wages	Covered Wages	Taxable Wages	Employee Taxable Wages	Employer Taxable Wages	Self Employment Income	Covered SE Income	Effective Taxable SE Income	Effective Taxable Payroll
Alternative III:											
1986	4,205,977	2,496,018	2,062,975	1,942,467	1,780,760	1,771,032	1,776,785	284,079	132,415	105,462	1,893,730
1987	4,279,274	2,567,893	2,122,446	2,002,904	1,840,509	1,831,220	1,836,299	283,869	138,629	109,044	1,956,826
1988	4,522,237	2,684,844	2,206,421	2,085,864	1,910,215	1,900,973	1,905,775	289,009	145,398	113,658	2,030,945
1989	4,832,595	2,878,470	2,359,163	2,236,146	2,039,463	2,028,557	2,034,733	316,671	161,461	124,320	2,169,862
1990	5,072,444	3,027,094	2,470,118	2,343,250	2,137,830	2,127,315	2,132,600	324,132	154,846	121,680	2,265,482
1991	5,526,354	3,268,569	2,664,794	2,533,858	2,308,042	2,295,924	2,302,682	358,124	171,988	135,908	2,449,182
1992	5,941,688	3,520,487	2,865,173	2,729,212	2,482,297	2,468,548	2,476,597	376,635	184,778	145,990	2,632,586
1993	6,376,139	3,778,953	3,070,210	2,929,739	2,669,340	2,654,458	2,663,270	396,540	198,365	157,833	2,830,773
1994	6,842,041	4,055,503	3,290,174	3,144,095	2,884,722	2,848,401	2,858,252	417,833	213,020	170,086	3,037,578
1995	7,342,241	4,351,906	3,525,199	3,373,324	3,072,183	3,054,255	3,065,303	440,796	228,814	183,110	3,257,132
1996	7,874,903	4,687,664	3,774,987	3,617,958	3,293,502	3,273,845	3,286,182	487,482	246,781	197,973	3,492,352
1997	8,406,275	4,984,921	4,019,475	3,856,659	3,509,559	3,488,502	3,501,838	495,970	262,864	215,372	3,724,983
1998	8,992,807	5,332,735	4,287,028	4,118,358	3,747,704	3,725,217	3,739,459	530,576	281,205	230,209	3,977,075
1999	9,613,085	5,700,560	4,568,975	4,394,737	3,999,210	3,975,215	3,990,412	567,172	300,601	245,864	4,243,325
2000	10,263,940	6,086,516	4,863,883	4,684,107	4,262,537	4,236,982	4,253,160	605,572	320,953	262,314	4,522,113
2005	14,184,352	8,411,321	6,621,197	6,417,883	5,840,092	5,805,051	5,827,243	836,877	443,545	360,990	6,192,835
2010	19,299,941	11,444,885	8,874,804	8,858,915	7,877,793	7,830,526	7,860,481	1,138,696	603,509	489,066	8,351,224
2015	25,844,590	15,325,842	11,707,070	11,478,038	10,443,193	10,380,533	10,420,217	1,524,831	808,180	652,091	11,070,742
2020	34,154,274	20,253,485	15,240,507	14,939,742	13,595,166	13,513,595	13,565,256	2,015,102	1,068,004	857,941	14,417,909
2025	44,852,858	26,587,745	19,716,066	19,326,978	17,587,550	17,482,025	17,548,857	2,646,319	1,402,549	1,121,606	18,660,715
2030	59,080,790	35,034,908	25,583,045	25,078,175	22,821,139	22,684,212	22,770,932	3,485,767	1,847,456	1,470,610	24,226,167
2035	77,988,142	46,246,968	33,266,745	32,610,240	29,675,318	29,497,266	29,610,032	4,601,300	2,438,689	1,932,158	31,519,803
2040	102,655,176	60,874,519	43,135,851	42,284,584	38,478,971	38,248,098	38,394,318	6,056,655	3,210,027	2,531,156	40,894,825
2045	134,236,779	79,602,410	55,565,450	54,468,890	49,566,690	49,269,290	49,457,643	7,919,970	4,197,584	3,293,775	52,711,794
2050	174,940,055	103,739,452	71,334,294	69,926,542	63,633,153	63,251,354	63,493,160	10,321,463	5,470,376	4,271,254	67,713,526
2055	228,120,392	135,275,393	91,832,389	89,824,063	81,739,897	81,249,458	81,560,069	13,459,103	7,133,325	5,541,562	87,035,221
2060	298,347,347	176,919,976	118,054,588	115,724,831	105,309,597	104,677,739	105,077,915	17,602,493	9,329,322	7,210,238	112,201,536
2065	390,323,895	231,462,070	152,146,379	149,143,835	135,720,890	134,906,565	135,422,304	23,029,110	12,205,428	9,383,569	144,693,186

Table A16.—Additional Components of Effective Taxable Payroll by Alternative

Year	Number of Uniformed Military (000)	Deemed Credit per Uniformed Military	Total Deemed Military Credit (000,000)	Number of Railroad Workers (000)	Average Railroad Earnings	Average Taxable Railroad Earnings	Railroad Effective Taxable Payroll (000,000)
Alternative I:							
1986	2,605	1,200	3,126	338	36,932	33,575	11,348
1987	2,663	1,200	3,195	331	38,635	35,123	11,626
1988	2,685	1,200	3,222	325	40,542	36,857	11,978
1989	2,718	1,200	3,262	319	42,687	38,806	12,379
1990	2,771	1,200	3,325	313	44,808	40,735	12,750
1991	2,818	1,200	3,382	307	46,909	42,645	13,092
1992	2,861	1,200	3,433	302	48,813	44,376	13,402
1993	2,901	1,200	3,481	297	50,742	46,129	13,700
1994	2,939	1,200	3,527	292	52,858	48,053	14,031
1995	2,976	1,200	3,571	287	55,057	50,052	14,365
1996	3,017	1,200	3,620	283	57,263	52,057	14,732
1997	3,017	1,200	3,620	278	60,002	54,548	15,164
1998	3,017	1,200	3,620	274	62,695	56,996	15,617
1999	3,017	1,200	3,620	270	65,556	59,597	16,091
2000	3,017	1,200	3,620	267	68,341	62,128	16,588
2005	3,017	1,200	3,620	251	85,287	77,534	19,461
2010	3,017	1,200	3,620	239	106,417	96,743	23,122
2015	3,017	1,200	3,620	231	132,472	120,429	27,819
2020	3,017	1,200	3,620	226	164,974	149,976	33,895
2025	3,017	1,200	3,620	224	205,357	186,688	41,818
2030	3,017	1,200	3,620	226	256,641	233,310	52,728
2035	3,017	1,200	3,620	232	319,461	290,419	67,377
2040	3,017	1,200	3,620	238	398,181	361,982	86,152
2045	3,017	1,200	3,620	244	496,522	451,384	110,138
2050	3,017	1,200	3,620	251	618,177	561,979	141,057
2055	3,017	1,200	3,620	259	769,215	699,286	181,115
2060	3,017	1,200	3,620	267	959,247	872,043	232,835
2065	3,017	1,200	3,620	275	1,196,607	1,087,824	299,152
Alternative II-A:							
1986	2,605	1,200	3,126	338	36,751	33,410	11,293
1987	2,663	1,200	3,195	324	38,541	35,037	11,352
1988	2,685	1,200	3,222	312	40,346	36,678	11,444
1989	2,718	1,200	3,262	300	42,493	38,630	11,589
1990	2,771	1,200	3,325	289	44,619	40,563	11,723
1991	2,818	1,200	3,382	278	46,940	42,672	11,863
1992	2,863	1,200	3,435	269	49,093	44,630	12,006
1993	2,905	1,200	3,486	260	51,331	46,664	12,133
1994	2,946	1,200	3,535	251	53,861	48,964	12,290
1995	2,986	1,200	3,583	243	56,364	51,240	12,451
1996	3,030	1,200	3,636	235	59,184	53,803	12,644
1997	3,030	1,200	3,636	228	62,129	56,481	12,878
1998	3,030	1,200	3,636	222	65,056	59,142	13,129
1999	3,030	1,200	3,636	216	68,240	62,037	13,400
2000	3,030	1,200	3,636	210	71,710	65,191	13,690
2005	3,030	1,200	3,636	186	91,512	83,192	15,474
2010	3,030	1,200	3,636	169	116,786	106,169	17,943
2015	3,030	1,200	3,636	157	149,523	135,930	21,341
2020	3,030	1,200	3,636	150	190,910	173,554	26,033
2025	3,030	1,200	3,636	147	243,693	221,539	32,566
2030	3,030	1,200	3,636	147	310,835	282,577	41,539
2035	3,030	1,200	3,636	148	395,180	359,254	53,170
2040	3,030	1,200	3,636	148	505,587	459,625	68,024
2045	3,030	1,200	3,636	148	645,843	587,130	86,895
2050	3,030	1,200	3,636	148	824,351	749,410	110,913
2055	3,030	1,200	3,636	149	1,048,066	952,787	141,965
2060	3,030	1,200	3,636	149	1,344,118	1,221,926	182,067
2065	3,030	1,200	3,636	150	1,712,048	1,556,407	233,461
Alternative II-B:							
1986	2,605	1,200	3,126	338	36,728	33,389	11,285
1987	2,663	1,200	3,195	324	38,298	34,816	11,280
1988	2,685	1,200	3,222	312	40,103	36,457	11,375
1989	2,719	1,200	3,263	300	42,135	38,305	11,491
1990	2,771	1,200	3,325	289	44,486	40,442	11,688
1991	2,818	1,200	3,382	278	47,157	42,870	11,918
1992	2,867	1,200	3,440	269	49,628	45,116	12,136
1993	2,912	1,200	3,494	260	52,211	47,464	12,341
1994	2,957	1,200	3,548	251	55,117	50,107	12,577
1995	2,999	1,200	3,599	243	58,040	52,764	12,822
1996	3,046	1,200	3,655	235	61,327	55,752	13,102
1997	3,046	1,200	3,655	228	64,686	58,805	13,408
1998	3,046	1,200	3,655	222	68,055	61,869	13,735
1999	3,046	1,200	3,655	216	71,727	65,206	14,085
2000	3,046	1,200	3,655	210	75,732	68,847	14,458
2005	3,046	1,200	3,655	186	98,968	89,971	16,735
2010	3,046	1,200	3,655	169	129,338	117,580	19,871
2015	3,046	1,200	3,655	157	169,573	154,158	24,203
2020	3,046	1,200	3,655	150	221,714	201,559	30,234
2025	3,046	1,200	3,655	147	289,817	263,470	38,730
2030	3,046	1,200	3,655	147	378,500	344,091	50,581
2035	3,046	1,200	3,655	148	492,735	447,941	66,295
2040	3,046	1,200	3,655	148	645,550	586,863	86,856
2045	3,046	1,200	3,655	148	844,615	767,831	113,639
2050	3,046	1,200	3,655	148	1,104,572	1,004,156	148,615
2055	3,046	1,200	3,655	149	1,437,060	1,306,418	194,656
2060	3,046	1,200	3,655	149	1,887,275	1,715,704	255,640
2065	3,046	1,200	3,655	150	2,461,674	2,237,886	335,683

Table A16.—Additional Components of Effective Taxable Payroll by Alternative —Continued

Year	Number of Uniformed Military (000)	Deemed Credit per Uniformed Military	Total Deemed Military Credit (000,000)	Number of Railroad Workers (000)	Average Railroad Earnings	Average Taxable Railroad Earnings	Railroad Effective Taxable Payroll (000,000)
Alternative III:							
1986.....	2,605	1,200	3,126	338	36,560	33,237	11,234
1987.....	2,663	1,200	3,195	318	37,454	34,049	10,827
1988.....	2,685	1,200	3,222	299	39,333	35,757	10,691
1989.....	2,719	1,200	3,263	282	41,479	37,708	10,634
1990.....	2,771	1,200	3,325	266	43,501	39,546	10,519
1991.....	2,817	1,200	3,380	251	46,415	42,195	10,591
1992.....	2,864	1,200	3,437	237	49,134	44,667	10,586
1993.....	2,912	1,200	3,494	224	51,964	47,240	10,582
1994.....	2,958	1,200	3,550	212	55,027	50,024	10,605
1995.....	3,003	1,200	3,604	201	58,226	52,933	10,639
1996.....	3,053	1,200	3,663	191	61,640	56,036	10,703
1997.....	3,053	1,200	3,663	181	65,501	59,546	10,778
1998.....	3,053	1,200	3,663	173	69,082	62,802	10,865
1999.....	3,053	1,200	3,663	164	73,538	66,852	10,964
2000.....	3,053	1,200	3,663	157	77,598	70,544	11,075
2005.....	3,053	1,200	3,663	125	104,150	94,682	11,835
2010.....	3,053	1,200	3,663	102	139,995	127,268	12,981
2015.....	3,053	1,200	3,663	86	186,907	169,916	14,613
2020.....	3,053	1,200	3,663	74	250,909	228,099	16,879
2025.....	3,053	1,200	3,663	66	333,410	303,100	20,005
2030.....	3,053	1,200	3,663	60	445,906	405,369	24,322
2035.....	3,053	1,200	3,663	56	595,824	541,658	30,333
2040.....	3,053	1,200	3,663	53	805,239	732,035	38,798
2045.....	3,053	1,200	3,663	52	1,076,515	978,650	50,890
2050.....	3,053	1,200	3,663	51	1,431,122	1,301,020	66,352
2055.....	3,053	1,200	3,663	49	1,913,363	1,739,421	85,232
2060.....	3,053	1,200	3,663	47	2,569,978	2,336,343	109,808
2065.....	3,053	1,200	3,663	45	3,459,341	3,144,856	141,518

Note: Railroad earnings are not included in OASDI taxable payroll.

Table A17.—Analysis of GNP and Compensation by type of Employment and Alternative

Year	Gross National Product (000,000)			Compensation (000,000)			Ratio of Compensation to GNP by Type of Employment			Ratio of Compensation by type to Total GNP	
	Total (1)	W&S (2)	SE (3)	Total (4)	W&S (5)	SE (6)	Total (4)/(1)	W&S (5)/(2)	SE (6)/(3)	W&S (5)/(1)	SE (6)/(1)
Past Experience:											
1951.....	333,400	281,194	52,206	225,595	181,595	44,000	.6767	.6458	.8428	.5447	.1320
1952.....	351,600	298,535	53,065	240,749	196,349	44,400	.6847	.6577	.8367	.5584	.1263
1953.....	371,600	319,202	52,398	253,820	210,420	43,400	.6830	.6592	.8283	.5662	.1168
1954.....	372,500	319,717	52,783	252,867	209,367	43,500	.6788	.6548	.8241	.5621	.1168
1955.....	405,900	350,840	55,060	271,315	225,915	45,400	.6684	.6439	.8246	.5566	.1118
1956.....	428,200	371,073	57,127	291,640	244,740	46,900	.6811	.6596	.8210	.5716	.1095
1957.....	451,000	391,518	59,482	306,558	257,758	48,800	.6797	.6584	.8204	.5715	.1082
1958.....	456,800	394,011	62,789	311,256	259,756	51,500	.6814	.6593	.8202	.5686	.1127
1959.....	495,800	432,377	63,423	332,944	281,244	51,700	.6715	.6505	.8152	.5672	.1043
1960.....	515,300	450,889	64,411	348,764	296,664	52,100	.6768	.6579	.8089	.5757	.1011
1961.....	533,800	466,762	67,038	359,860	305,560	54,300	.6741	.6546	.8100	.5724	.1017
1962.....	574,600	504,810	69,790	384,022	327,422	56,600	.6683	.6486	.8110	.5698	.0985
1963.....	606,900	535,483	71,417	403,217	345,517	57,700	.6644	.6452	.8079	.5693	.0951
1964.....	649,800	574,801	74,999	431,486	370,986	60,500	.6640	.6454	.8067	.5709	.0931
1965.....	705,100	624,409	80,691	464,919	399,819	65,100	.6594	.6403	.8068	.5670	.0923
1966.....	772,000	686,378	85,622	512,553	442,953	69,600	.6639	.6454	.8129	.5738	.0902
1967.....	816,400	727,523	88,877	546,618	475,518	71,100	.6696	.6536	.8000	.5825	.0871
1968.....	892,700	798,452	94,248	600,121	524,721	75,400	.6723	.6572	.8000	.5878	.0845
1969.....	963,900	863,814	100,086	657,670	578,370	79,300	.6823	.6696	.7923	.6000	.0823
1970.....	1,015,500	912,069	103,431	698,488	618,288	80,200	.6878	.6779	.7754	.6089	.0790
1971.....	1,102,700	989,070	113,630	746,166	659,366	86,800	.6767	.6666	.7639	.5980	.0787
1972.....	1,212,800	1,084,647	128,153	824,540	726,240	98,300	.6799	.6696	.7670	.5988	.0811
1973.....	1,359,300	1,204,937	154,363	931,828	812,828	119,000	.6855	.6746	.7709	.5988	.0876
1974.....	1,472,800	1,312,951	159,849	1,010,085	891,285	118,800	.6858	.6788	.7432	.6052	.0807
1975.....	1,598,400	1,426,813	171,587	1,074,077	948,677	125,400	.6720	.6649	.7308	.5935	.0784
1976.....	1,782,800	1,594,475	188,325	1,195,552	1,057,852	137,700	.6706	.6635	.7312	.5934	.0772
1977.....	1,990,500	1,782,181	208,319	1,329,517	1,176,617	152,900	.6679	.6602	.7340	.5911	.0768
1978.....	2,249,700	2,011,658	238,042	1,505,427	1,329,227	176,200	.6692	.6608	.7402	.5975	.0783
1979.....	2,508,200	2,243,648	264,552	1,683,299	1,491,399	191,900	.6711	.6647	.7254	.5946	.0765
1980.....	2,732,000	2,469,382	262,618	1,818,921	1,638,221	180,700	.6658	.6634	.6881	.5996	.0661
1981.....	3,052,600	2,768,889	283,711	1,994,208	1,807,408	186,800	.6533	.6528	.6584	.5921	.0612
1982.....	3,166,000	2,889,928	276,072	2,082,508	1,907,008	175,500	.6578	.6599	.6357	.6023	.0554
1983.....	3,405,700	3,111,906	293,794	2,211,803	2,020,703	190,900	.6494	.6494	.6498	.5933	.0560
1984.....	3,765,000	3,412,141	352,859	2,451,579	2,214,679	236,900	.6512	.6491	.6714	.5862	.0629
1985.....	3,998,100	3,623,394	374,706	2,622,610	2,368,210	254,400	.6560	.6536	.6789	.5923	.0636
Alternative I:											
1986.....	4,215,636	3,799,252	416,384	2,784,989	2,500,644	284,346	.6606	.6582	.6829	.5932	.0674
1987.....	4,498,644	4,065,903	432,740	2,953,154	2,659,798	293,355	.6565	.6542	.6779	.5922	.0652
1988.....	4,831,293	4,381,667	449,626	3,154,012	2,851,190	302,822	.6528	.6507	.6735	.5901	.0627
1989.....	5,180,799	4,708,852	471,946	3,372,518	3,055,897	316,622	.6510	.6490	.6709	.5896	.0611
1990.....	5,532,597	5,032,141	500,456	3,598,313	3,263,225	335,088	.6504	.6485	.6696	.5898	.0606
1991.....	5,878,046	5,358,986	519,060	3,812,816	3,466,553	346,262	.6486	.6469	.6671	.5897	.0589
1992.....	6,192,610	5,657,342	535,268	4,016,324	3,659,671	356,653	.6486	.6466	.6663	.5866	.0576
1993.....	6,506,142	5,955,961	550,181	4,213,503	3,847,834	365,669	.6476	.6460	.6646	.5914	.0562
1994.....	6,835,611	6,267,728	567,883	4,419,556	4,043,149	376,407	.6465	.6465	.6628	.5915	.0551
1995.....	7,181,827	6,595,098	586,729	4,636,138	4,248,265	387,872	.6455	.6442	.6611	.5915	.0540
1996.....	7,545,507	6,936,745	608,762	4,865,194	4,463,667	401,527	.6448	.6435	.6596	.5916	.0532
1997.....	7,948,362	7,310,175	638,188	5,134,642	4,713,379	421,263	.6460	.6448	.6601	.5930	.0530
1998.....	8,371,839	7,698,894	672,945	5,408,208	4,964,501	443,707	.6460	.6448	.6594	.5930	.0530
1999.....	8,815,866	8,106,430	709,436	5,695,049	5,227,808	467,241	.6460	.6449	.6586	.5930	.0530
2000.....	9,286,274	8,538,141	748,133	5,998,933	5,506,760	492,173	.6460	.6450	.6579	.5930	.0530
2005.....	11,912,594	10,947,435	965,159	7,695,536	7,064,168	631,367	.6460	.6453	.6542	.5930	.0530
2010.....	15,112,016	13,880,659	1,231,357	9,762,362	8,961,426	800,937	.6460	.6456	.6504	.5930	.0530
2015.....	19,027,235	17,466,177	1,561,058	12,291,594	11,283,151	1,008,443	.6460	.6460	.6460	.5930	.0530
2020.....	23,843,207	21,887,030	1,956,176	15,402,712	14,139,022	1,263,690	.6460	.6460	.6460	.5930	.0530
2025.....	29,951,567	27,494,240	2,457,327	19,348,712	17,761,279	1,587,433	.6460	.6460	.6460	.5930	.0530
2030.....	38,010,738	34,892,210	3,118,528	24,554,936	22,540,367	2,014,569	.6460	.6460	.6460	.5930	.0530
2035.....	48,571,104	44,586,168	3,984,936	31,376,933	28,802,665	2,574,269	.6460	.6460	.6460	.5930	.0530
2040.....	62,105,351	57,010,020	5,095,331	40,120,056	36,828,473	3,291,584	.6460	.6460	.6460	.5930	.0530
2045.....	79,396,375	72,882,431	6,513,944	51,290,058	47,082,050	4,208,008	.6460	.6460	.6460	.5930	.0530
2050.....	101,685,492	93,342,874	8,342,618	65,688,828	60,299,497	5,389,331	.6460	.6460	.6460	.5930	.0530
2055.....	130,562,899	119,851,083	10,711,817	84,343,633	77,423,799	6,919,834	.6460	.6460	.6460	.5930	.0530
2060.....	167,847,182	154,076,438	13,770,744	108,429,279	99,533,379	8,895,901	.6460	.6460	.6460	.5930	.0530
2065.....	215,653,460	197,960,529	17,692,931	139,312,135	127,882,502	11,429,633	.6460	.6460	.6460	.5930	.0530
Alternative II-A:											
1986.....	4,213,220	3,796,970	416,249	2,783,702	2,499,417	284,285	.6607	.6583	.6830	.5932	.0675
1987.....	4,476,339	4,044,884	431,454	2,942,220	2,649,370	292,851	.6573	.6550	.6788	.5919	.0654
1988.....	4,789,133	4,341,336	447,798	3,131,959	2,829,845	302,114	.6540	.6518	.6747	.5909	.0631
1989.....	5,127,289	4,656,185	471,103	3,344,297	3,027,623	316,674	.6522	.6502	.6722	.5905	.0618
1990.....	5,477,865	4,976,868	500,997	3,570,460	3,234,291	336,169	.6518	.6499	.6710	.5904	.0614
1991.....	5,834,560	5,313,382	521,178	3,794,074	3,445,540	348,534	.6503	.6485	.6687	.5905	.0597
1992.....	6,184,548	5,643,025	541,523	4,018,247	3,656,795	361,452	.6497	.6480	.6675	.5913	.0584
1993.....	6,536,830	5,975,322	561,508	4,241,506	3,867,606	373,900	.6489	.6473	.6659	.5917	.0572
1994.....	6,908,990	6,325,211	583,779	4,476,168	4,088,445	387,722	.6479	.6464	.6642	.5918	.0561
1995.....	7,302,214	6,694,712	607,502	4,723,953	4,321,504	402,450	.6469	.6455	.6625	.5918	.0551
1996.....	7,717,775	7,082,751	635,023	4,987,518	4,567,740	419,778	.6462	.6449	.6610	.5918	.0544
1997.....	8,159,337	7,492,858	666,478	5,279,091	4,838,487	440,604	.6470	.6458	.6611	.5930	.0540
1998.....	8,630,552	7,924,791	705,760	5,583,967	5,117,917	466,050	.6470	.6458	.6604	.5930	.0540
1999.....	9,127,088	8,379,885	747,203	5,905,226	5,412,363	492,863	.6470	.6459	.6596	.5930	.0540
2000.....	9,652,859	8,861,722	791,136	6,245,400	5,724,145	521,254	.6470	.6459	.6589	.5930	.0540
2005.....	12,646,881	11,604,491	1,042,390	8,182,532	7,499,600	682,932	.6470	.6463	.6552	.5930	.0540
2010.....	16,381,815	15,023,894	1,357,921	10,599,034	9,714,416	884,618	.6470	.6466	.6515	.5930	.0540
2015.....	20,993,545	19,241,379	1,752,166	13,582,824	12,449,172	1,133,651	.6470	.6470	.6470	.5930	.0540
2020.....	26,688,148	24,460,699	2,227,450	17,267,232	15,826,072	1,441,160	.6470	.6470	.6470	.5930	.0540

Table A17.—Analysis of GNP and Compensation by type of Employment and Alternative —Continued

Year	Gross National Product (000,000)			Compensation (000,000)			Ratio of Compensation to GNP by Type of Employment			Ratio of Compensation by type to Total GNP	
	Total (1)	W&S (2)	SE (3)	Total (4)	W&S (5)	SE (6)	Total (4)/(1)	W&S (5)/(2)	SE (6)/(3)	W&S (5)/(1)	SE (6)/(1)
Alternative II-A: (Cont.)											
2025.....	33,882,528	31,054,620	2,827,908	21,921,996	20,092,339	1,829,657	.6470	.6470	.6470	.5930	.0540
2030.....	43,387,104	39,765,924	3,621,180	29,071,456	25,728,553	2,342,904	.6470	.6470	.6470	.5930	.0540
2035.....	55,813,889	51,155,542	4,658,346	36,111,586	33,097,636	3,013,950	.6470	.6470	.6470	.5930	.0540
2040.....	71,766,054	65,776,306	5,989,748	46,432,637	42,557,270	3,875,367	.6470	.6470	.6470	.5930	.0540
2045.....	92,133,952	84,444,256	7,689,696	59,610,667	54,635,434	4,975,233	.6470	.6470	.6470	.5930	.0540
2050.....	118,189,039	108,324,730	9,864,308	76,468,308	70,086,100	6,382,208	.6470	.6470	.6470	.5930	.0540
2055.....	152,036,529	139,347,236	12,689,293	98,367,634	90,157,661	8,209,973	.6470	.6470	.6470	.5930	.0540
2060.....	195,960,980	179,605,658	16,355,321	126,786,754	116,204,861	10,581,893	.6470	.6470	.6470	.5930	.0540
2065.....	252,539,068	231,461,619	21,077,449	163,392,777	149,755,668	13,637,110	.6470	.6470	.6470	.5930	.0540
Alternative II-B:											
1986.....	4,209,620	3,793,640	415,980	2,781,887	2,497,729	284,158	.6608	.6584	.6831	.5933	.0675
1987.....	4,433,177	4,005,686	427,491	2,920,063	2,629,284	290,779	.6587	.6564	.6802	.5931	.0656
1988.....	4,733,596	4,289,321	444,275	3,101,816	2,801,484	300,332	.6553	.6531	.6760	.5918	.0635
1989.....	5,044,281	4,577,662	466,619	3,299,303	2,984,778	314,525	.6541	.6520	.6741	.5917	.0623
1990.....	5,414,399	4,913,989	500,350	3,537,786	3,201,231	336,555	.6534	.6515	.6726	.5913	.0622
1991.....	5,814,458	5,288,046	526,412	3,787,204	3,434,606	352,598	.6513	.6495	.6698	.5907	.0606
1992.....	6,207,246	5,654,655	552,592	4,040,341	3,670,845	369,496	.6509	.6492	.6687	.5914	.0595
1993.....	6,601,808	6,025,686	576,122	4,292,748	3,908,319	384,429	.6502	.6486	.6673	.5920	.0582
1994.....	7,021,384	6,418,195	603,189	4,558,842	4,157,376	401,466	.6493	.6477	.6656	.5921	.0572
1995.....	7,467,488	6,835,234	632,254	4,841,757	4,421,983	419,774	.6484	.6469	.6639	.5922	.0562
1996.....	7,942,020	7,276,400	665,619	5,144,311	4,703,306	441,005	.6477	.6464	.6626	.5922	.0555
1997.....	8,443,141	7,741,770	701,371	5,471,155	5,006,782	464,373	.6480	.6467	.6621	.5930	.0550
1998.....	8,984,342	8,237,177	747,165	5,821,854	5,327,715	494,139	.6480	.6468	.6613	.5930	.0550
1999.....	9,557,415	8,761,699	795,716	6,193,205	5,667,547	525,658	.6480	.6468	.6606	.5930	.0550
2000.....	10,164,477	9,317,267	847,209	6,586,581	6,027,535	559,046	.6480	.6469	.6599	.5930	.0550
2005.....	13,736,669	12,585,246	1,151,423	8,901,361	8,145,845	755,517	.6480	.6472	.6562	.5930	.0550
2010.....	18,325,165	16,780,398	1,544,767	11,874,707	10,886,823	1,007,884	.6480	.6476	.6525	.5930	.0550
2015.....	24,181,577	22,129,129	2,052,449	15,669,662	14,339,675	1,329,987	.6480	.6480	.6480	.5930	.0550
2020.....	31,636,312	28,952,961	2,683,351	20,501,626	18,761,519	1,740,107	.6480	.6480	.6480	.5930	.0550
2025.....	41,369,232	37,857,955	3,511,277	26,807,263	24,531,955	2,275,308	.6480	.6480	.6480	.5930	.0550
2030.....	54,469,022	49,845,880	4,623,142	35,295,927	32,300,130	2,995,796	.6480	.6480	.6480	.5930	.0550
2035.....	72,108,937	65,988,579	6,120,357	46,726,591	42,760,599	3,965,992	.6480	.6480	.6480	.5930	.0550
2040.....	95,422,916	87,323,749	8,099,167	61,834,050	56,585,789	5,248,260	.6480	.6480	.6480	.5930	.0550
2045.....	126,104,015	115,400,742	10,703,273	81,715,402	74,779,681	6,935,721	.6480	.6480	.6480	.5930	.0550
2050.....	166,575,728	152,437,356	14,138,372	107,941,072	98,779,407	9,161,665	.6480	.6480	.6480	.5930	.0550
2055.....	220,374,523	201,669,896	18,704,628	142,802,691	130,682,092	12,120,599	.6480	.6480	.6480	.5930	.0550
2060.....	292,321,097	267,519,044	24,812,053	189,430,552	173,352,340	16,078,210	.6480	.6480	.6480	.5930	.0550
2065.....	387,724,071	354,815,392	32,908,679	251,245,198	229,920,374	21,324,824	.6480	.6480	.6480	.5930	.0550
Alternative III:											
1986.....	4,205,977	3,790,205	415,772	2,780,096	2,496,018	284,079	.6610	.6585	.6833	.5935	.0675
1987.....	4,279,274	3,866,781	412,493	2,851,762	2,567,893	283,869	.6664	.6641	.6882	.6001	.0663
1988.....	4,522,237	4,096,222	426,015	2,973,852	2,684,844	289,009	.6576	.6554	.6784	.5937	.0639
1989.....	4,832,595	4,367,779	464,817	3,195,140	2,878,470	316,671	.6612	.6590	.6813	.5956	.0655
1990.....	5,072,444	4,595,836	476,607	3,351,226	3,027,094	324,132	.6607	.6587	.6801	.5968	.0639
1991.....	5,526,354	4,995,602	530,752	3,626,694	3,268,569	358,124	.6563	.6543	.6748	.5914	.0648
1992.....	5,941,688	5,382,618	559,070	3,897,122	3,520,487	376,635	.6559	.6541	.6737	.5925	.0634
1993.....	6,376,139	5,785,973	590,165	4,175,493	3,778,953	396,540	.6549	.6531	.6719	.5927	.0622
1994.....	6,842,041	6,218,513	623,527	4,473,336	4,055,503	417,833	.6538	.6522	.6701	.5927	.0611
1995.....	7,342,241	6,682,689	659,551	4,792,702	4,351,906	440,796	.6528	.6512	.6683	.5927	.0600
1996.....	7,874,903	7,173,972	700,931	5,135,126	4,667,664	467,462	.6521	.6506	.6669	.5927	.0594
1997.....	8,406,275	7,661,679	744,596	5,480,891	4,984,921	495,970	.6520	.6506	.6661	.5930	.0590
1998.....	8,992,807	8,195,370	797,437	5,863,310	5,332,735	530,576	.6520	.6507	.6653	.5930	.0590
1999.....	9,613,085	8,759,894	853,191	6,267,732	5,700,560	567,172	.6520	.6508	.6646	.5930	.0590
2000.....	10,263,940	9,351,752	912,188	6,692,089	6,086,516	605,572	.6520	.6508	.6639	.5930	.0590
2005.....	14,184,352	12,916,663	1,267,689	9,248,198	8,411,321	836,877	.6520	.6512	.6602	.5930	.0590
2010.....	19,299,941	17,565,314	1,734,627	12,583,561	11,444,865	1,138,696	.6520	.6516	.6565	.5930	.0590
2015.....	25,844,590	23,505,892	2,338,698	16,850,672	15,325,842	1,524,831	.6520	.6520	.6520	.5930	.0590
2020.....	34,154,274	31,063,627	3,090,648	22,268,587	20,253,485	2,015,102	.6520	.6520	.6520	.5930	.0590
2025.....	44,852,858	40,794,087	4,058,771	29,244,063	26,597,745	2,646,319	.6520	.6520	.6520	.5930	.0590
2030.....	59,080,790	53,734,522	5,346,268	38,520,675	35,034,908	3,485,767	.6520	.6520	.6520	.5930	.0590
2035.....	77,988,142	70,930,933	7,057,209	50,848,268	46,246,968	4,601,300	.6520	.6520	.6520	.5930	.0590
2040.....	102,655,176	93,365,827	9,289,349	66,931,175	60,874,519	6,056,655	.6520	.6520	.6520	.5930	.0590
2045.....	134,236,779	122,089,585	12,147,193	87,522,380	79,602,410	7,919,970	.6520	.6520	.6520	.5930	.0590
2050.....	174,940,055	159,109,590	15,830,465	114,060,916	103,739,452	10,321,463	.6520	.6520	.6520	.5930	.0590
2055.....	228,120,392	207,477,596	20,642,796	148,734,496	135,275,393	13,459,103	.6520	.6520	.6520	.5930	.0590
2060.....	298,347,347	271,349,657	26,997,689	194,522,470	176,919,976	17,602,493	.6520	.6520	.6520	.5930	.0590
2065.....	390,323,895	355,003,174	35,320,721	254,491,179	231,462,070	23,029,110	.6520	.6520	.6520	.5930	.0590

Table A18.—Summary and analysis of U.S. Covered Earnings by Alternative

Year	Workers (000)			Earnings (000,000)			Average Earnings			Percent change in Average Earnings		
	W&S	SE	Total	W&S	SE	Total	W&S	SE	Total	W&S	SE	Total
Past Experience:												
1952	57,790	9,637	63,849	185,600	44,400	230,000	3,212	4,607	3,602	5.80	1.56	5.36
1953	59,011	9,475	64,725	199,000	43,400	242,400	3,372	4,580	3,745	5.00	-.58	3.96
1954	57,484	9,329	63,668	197,200	43,500	240,700	3,431	4,663	3,792	1.73	1.80	1.27
1955	59,184	9,149	65,215	212,100	45,400	257,500	3,584	4,962	3,948	4.47	6.42	4.11
1956	60,955	8,981	66,660	229,000	46,900	275,900	3,757	5,222	4,139	4.83	5.24	4.82
1957	61,424	8,821	66,872	239,900	48,800	288,700	3,906	5,532	4,317	3.96	5.94	4.31
1958	59,961	8,611	65,675	241,300	51,500	292,800	4,024	5,981	4,458	3.04	8.11	3.27
1959	61,715	8,428	67,180	259,800	51,700	311,500	4,210	6,134	4,637	4.61	2.57	4.00
1960	62,817	8,305	68,295	272,800	52,100	324,900	4,343	6,273	4,757	3.16	2.27	2.60
1961	63,024	8,177	68,320	280,500	54,300	334,800	4,451	6,641	4,900	2.48	5.85	3.01
1962	64,724	8,009	69,531	299,300	56,600	355,900	4,624	7,067	5,119	3.90	6.42	4.45
1963	65,780	7,722	70,505	314,800	57,700	372,500	4,786	7,472	5,283	3.48	5.73	3.22
1964	67,447	7,652	72,038	337,700	60,500	398,200	5,007	7,906	5,528	4.62	5.81	4.62
1965	69,877	7,526	73,808	363,700	65,100	428,800	5,205	8,850	5,810	3.95	9.40	5.10
1966	73,718	7,271	76,020	400,300	69,800	469,900	5,430	9,572	6,181	4.33	10.66	6.40
1967	75,658	7,188	77,817	428,900	71,100	500,000	5,669	9,891	6,425	4.40	3.39	3.95
1968	77,831	7,115	79,454	471,300	75,400	547,300	6,083	10,587	6,888	6.95	7.14	7.20
1969	80,091	7,199	81,406	518,300	79,300	597,600	6,471	11,015	7,341	6.73	3.95	6.57
1970	80,003	7,097	81,860	551,500	80,200	631,700	6,893	11,301	7,717	6.52	2.59	5.12
1971	79,819	7,142	82,170	583,900	86,800	670,700	7,315	12,153	8,162	6.12	7.55	5.77
1972	81,856	7,234	84,598	638,700	98,300	737,000	7,803	13,589	8,712	6.66	11.81	6.73
1973	85,484	7,316	87,385	708,700	119,000	827,700	8,290	16,266	9,472	6.25	19.70	8.72
1974	86,866	7,527	89,007	772,600	118,800	891,400	8,894	15,783	10,015	7.28	-2.97	5.73
1975	85,347	7,506	88,019	814,600	125,400	940,000	9,545	16,707	10,680	7.31	5.85	6.64
1976	87,708	7,495	90,893	899,500	137,700	1,037,200	10,256	18,372	11,411	7.45	9.97	6.85
1977	90,734	7,758	94,148	993,900	152,900	1,146,800	10,954	19,709	12,161	6.81	7.27	6.74
1978	95,114	8,118	98,161	1,119,300	176,200	1,295,500	11,768	21,705	13,198	7.43	10.13	8.35
1979	98,078	8,416	100,908	1,252,100	191,900	1,444,000	12,767	22,802	14,310	8.49	5.05	8.43
1980	98,400	8,658	101,402	1,372,000	180,700	1,552,700	13,943	20,871	15,312	9.22	-8.47	7.00
1981	99,205	8,753	102,538	1,510,300	186,800	1,697,100	15,224	21,341	16,551	9.19	2.25	8.09
1982	97,832	8,929	101,694	1,586,100	175,500	1,761,600	16,212	19,668	17,323	6.49	-7.84	4.66
1983	98,670	9,213	103,030	1,676,600	190,900	1,867,500	16,992	20,721	18,126	4.81	5.35	4.64
1984	103,269	9,412	107,228	1,836,800	236,900	2,073,700	17,783	25,170	19,339	4.66	21.47	6.69
1985	106,018	9,328	109,416	1,966,100	254,400	2,220,500	18,545	27,273	20,294	4.28	6.35	4.94
Alternative I:												
1986	108,277	9,381	111,694	2,084,175	284,346	2,368,521	19,249	30,311	21,205	3.79	11.14	4.49
1987	109,955	9,804	113,527	2,203,970	293,355	2,497,325	20,044	29,927	21,998	4.13	-1.29	3.74
1988	111,651	10,132	115,342	2,351,832	302,822	2,654,654	21,064	29,888	23,016	5.09	-1.11	4.63
1989	113,716	10,495	117,539	2,517,681	316,622	2,834,303	22,140	30,169	24,114	5.11	.94	4.77
1990	115,530	10,842	119,480	2,682,621	335,088	3,017,709	23,220	30,906	25,257	4.88	2.44	4.74
1991	117,310	11,140	121,368	2,846,392	346,262	3,192,654	24,264	31,083	26,306	4.50	.57	4.15
1992	118,720	11,422	122,881	3,000,133	356,653	3,356,786	25,271	31,226	27,317	4.15	.46	3.85
1993	119,830	11,676	124,083	3,147,438	365,669	3,513,107	26,266	31,319	28,313	3.94	.30	3.64
1994	120,849	11,929	125,195	3,301,164	376,407	3,677,571	27,316	31,553	29,375	4.00	.75	3.75
1995	121,869	12,188	126,309	3,462,066	387,672	3,849,939	28,408	31,825	30,480	4.00	.86	3.76
1996	122,882	12,511	127,440	3,630,613	401,527	4,032,140	29,545	32,093	31,640	4.00	.84	3.80
1997	124,612	12,687	129,234	3,833,721	421,269	4,254,990	30,765	33,203	32,255	4.13	3.46	4.06
1998	125,678	12,796	130,339	4,037,976	443,707	4,481,683	32,130	34,676	34,365	4.43	4.43	4.43
1999	126,738	12,904	131,439	4,252,142	467,241	4,719,383	33,551	36,209	35,906	4.42	4.42	4.42
2000	127,863	13,018	132,605	4,479,034	492,173	4,971,206	35,030	37,806	37,489	4.41	4.41	4.41
2005	132,125	13,452	137,025	5,745,782	631,367	6,377,150	43,488	46,934	46,540	4.43	4.43	4.43
2010	134,564	13,701	139,555	7,288,954	800,937	8,089,891	54,167	58,459	57,969	4.50	4.50	4.50
2015	135,527	13,799	140,554	9,177,376	1,008,443	10,185,819	67,716	73,082	72,669	4.54	4.54	4.54
2020	135,955	13,842	140,998	11,500,255	1,263,690	12,763,945	84,588	91,291	90,526	4.56	4.56	4.56
2025	136,698	13,912	141,706	14,448,491	1,587,433	16,033,924	105,728	114,106	113,149	4.56	4.56	4.56
2030	138,874	14,140	144,025	18,333,658	2,014,569	20,348,227	132,016	142,477	141,283	4.53	4.53	4.53
2035	142,385	14,497	147,688	23,427,222	2,574,269	26,001,491	164,534	177,572	176,083	4.49	4.49	4.49
2040	146,208	14,868	151,631	29,955,173	3,291,584	33,246,757	204,880	221,115	219,261	4.49	4.49	4.49
2045	150,043	15,277	155,608	38,295,125	4,208,008	42,503,133	255,228	275,452	273,142	4.50	4.50	4.50
2050	154,166	15,697	159,884	49,045,799	5,389,331	54,435,130	318,136	343,345	340,466	4.51	4.51	4.51
2055	158,786	16,167	164,675	62,974,192	6,919,834	69,894,026	396,599	428,025	424,436	4.51	4.51	4.51
2060	163,807	16,678	169,882	80,957,460	8,895,901	89,853,361	494,226	533,389	528,916	4.50	4.50	4.50
2065	168,933	17,200	175,199	104,015,785	11,429,633	115,445,418	615,721	664,510	658,939	4.49	4.49	4.49
Alternative II-A:												
1986	108,277	9,381	111,694	2,073,991	284,285	2,358,276	19,155	30,304	21,114	3.29	11.12	4.04
1987	109,847	9,798	113,416	2,194,795	292,851	2,487,646	19,981	29,888	21,934	4.31	-1.37	3.88
1988	111,341	10,112	115,025	2,333,169	302,114	2,635,284	20,855	29,877	22,911	4.88	-.04	4.45
1989	113,286	10,465	117,098	2,492,744	316,674	2,809,418	22,004	30,261	23,992	5.01	1.28	4.72
1990	115,030	10,806	118,966	2,656,598	336,169	2,992,767	23,095	31,110	25,156	4.98	2.81	4.85
1991	116,689	11,093	120,710	2,826,359	348,534	3,174,893	24,225	31,419	26,302	4.90	.99	4.55
1992	117,960	11,364	122,100	2,994,721	361,452	3,356,173	25,388	31,806	27,487	4.80	1.23	4.51
1993	119,061	11,615	123,292	3,160,171	373,900	3,534,071	26,543	32,190	28,664	4.55	1.21	4.28
1994	120,089	11,868	124,412	3,334,358	387,722	3,722,080	27,766	32,668	29,917	4.61	1.49	4.37
1995	121,102	12,125	125,519	3,517,674	402,450	3,920,124	29,047	33,193	31,231	4.61	1.60	4.39
1996	122,108	12,447	126,642	3,710,891	419,778	4,130,670	30,390	33,726	32,617	4.62	1.61	4.44
1997	122,705	12,507	127,261	3,926,919	440,604	4,367,523	32,003	35,227	34,319	5.31	4.45	5.22
1998	123,605	12,599	128,195	4,149,551	466,050	4,615,601	33,571	36,990	36,005	4.90	5.00	4.91
1999	124,503	12,891	129,126	4,383,897	492,863	4,876,759	35,211	38,837	37,767	4.89	4.99	4.90
2000	125,430	12,785	130,087	4,631,797	521,254	5,153,051	36,927	40,770	39,612	4.87	4.98	4.88
2005	128,923	13,141	133,710	6,038,157	682,932	6,721,089	46,835	51,969	50,266	4.86	4.97	4.87
2010	130,425	13,294	135,268	7,782,344	884,618	8,666,962	59,669	66,541	64,073	4.98	5.08	4.99
2015	130,013	13,252	134,841	9,923,426	1,133,651	11,057,078	76,326	85,543	84,001	5.02	5.13	5.03
2020	128,649	13,113	133,426	12,552,255	1,441,160	13,993,415	97,570	109,901	104,878	5.05	5.15	5.06
2025	127,066	12,952	131,784	15,856,472	1,829,657	17,686,128	124,789	141,265	134,205	5.04	5.14	5.05
2030	126,711	12,916	131,416									

Table A18.—Summary and analysis of U.S. Covered Earnings by Alternative —Continued

Year	Workers (000)			Earnings (000,000)			Average Earnings			Percent change in Average Earnings		
	W&S	SE	Total	W&S	SE	Total	W&S	SE	Total	W&S	SE	Total
Alternative II-A:												
(Cont.)												
2040.....	127,539	13,000	132,275	33,085,076	3,875,367	36,960,442	259,411	298,101	279,421	4.99	5.09	5.00
2045.....	127,678	13,014	132,419	42,262,989	4,975,234	47,238,222	331,012	382,289	356,733	5.00	5.11	5.01
2050.....	127,642	13,011	132,381	53,944,249	6,382,208	60,326,457	422,623	490,539	455,703	5.01	5.11	5.02
2055.....	127,963	13,043	132,714	69,046,764	8,209,973	77,256,737	539,586	629,439	582,130	5.00	5.11	5.02
2060.....	128,588	13,107	133,363	88,550,788	10,581,893	99,132,681	688,638	807,340	743,330	4.99	5.10	5.01
2065.....	129,233	13,173	134,032	113,547,831	13,637,110	127,184,941	878,626	1,035,243	948,915	4.99	5.10	5.00
Alternative II-B:												
1986.....	108,277	9,381	111,694	2,072,543	284,158	2,356,701	19,141	30,291	21,100	3.21	11.07	3.97
1987.....	109,624	9,785	113,188	2,177,303	290,779	2,468,081	19,862	29,717	21,805	3.76	-1.90	3.34
1988.....	110,888	10,082	114,561	2,308,292	300,332	2,608,624	20,816	29,789	22,771	4.81	.24	4.43
1989.....	112,582	10,416	116,376	2,454,882	314,525	2,769,407	21,805	30,197	23,797	4.75	1.37	4.51
1990.....	114,179	10,744	118,093	2,826,123	336,555	2,962,678	23,000	31,325	25,088	5.48	3.74	5.42
1991.....	115,778	11,027	119,795	2,813,715	352,598	3,166,313	24,303	31,977	26,431	5.66	2.08	5.35
1992.....	117,163	11,302	121,280	3,002,301	369,496	3,371,798	25,625	32,692	27,802	5.44	2.24	5.19
1993.....	118,279	11,554	122,488	3,189,231	384,429	3,573,660	26,964	33,273	29,176	5.22	1.78	4.94
1994.....	119,314	11,806	123,615	3,386,041	401,466	3,787,508	28,379	34,006	30,640	5.25	2.20	5.02
1995.....	120,328	12,060	124,721	3,594,506	419,774	4,014,280	29,873	34,806	32,186	5.26	2.35	5.05
1996.....	121,327	12,380	125,837	3,815,729	441,005	4,256,734	31,450	35,621	33,827	5.28	2.34	5.10
1997.....	121,731	12,422	126,256	4,053,811	464,373	4,518,184	33,301	37,384	35,786	5.89	4.95	5.79
1998.....	122,588	12,507	127,124	4,305,032	494,139	4,799,171	35,124	39,509	37,752	5.47	5.68	5.49
1999.....	123,889	12,591	127,976	4,570,472	525,658	5,096,130	37,041	41,749	39,821	5.46	5.67	5.48
2000.....	124,200	12,674	128,817	4,851,055	559,046	5,410,101	39,058	44,111	41,998	5.45	5.66	5.47
2005.....	127,569	13,017	132,311	6,490,606	755,517	7,246,123	50,879	58,040	54,766	5.42	5.63	5.45
2010.....	129,067	13,170	133,865	8,572,440	1,007,884	9,580,324	66,418	76,528	71,567	5.48	5.69	5.50
2015.....	128,712	13,134	133,496	11,199,378	1,329,987	12,529,364	87,011	101,264	93,856	5.52	5.73	5.55
2020.....	127,340	12,994	132,073	14,506,922	1,740,107	16,247,029	113,923	133,918	123,016	5.55	5.76	5.57
2025.....	125,859	12,843	130,537	18,779,851	2,275,308	21,055,159	149,214	177,167	161,296	5.54	5.75	5.56
2030.....	125,406	12,797	130,068	24,480,313	2,995,796	27,476,109	195,208	234,109	211,244	5.51	5.73	5.54
2035.....	125,809	12,838	130,486	32,085,527	3,965,992	36,051,519	255,033	308,932	276,286	5.48	5.70	5.51
2040.....	126,221	12,880	130,913	42,036,396	5,248,260	47,284,657	333,038	407,482	361,191	5.49	5.70	5.51
2045.....	126,380	12,896	131,078	54,998,952	6,935,721	61,934,673	435,186	537,821	472,502	5.50	5.71	5.53
2050.....	126,407	12,899	131,106	71,926,666	9,161,665	81,088,331	569,007	710,277	618,494	5.51	5.72	5.53
2055.....	126,639	12,922	131,346	94,208,980	12,120,599	106,329,578	743,920	937,957	809,538	5.50	5.71	5.53
2060.....	127,261	12,986	131,991	123,725,334	16,078,210	139,803,545	972,221	1,238,138	1,059,190	5.50	5.71	5.52
2065.....	127,899	13,051	132,653	162,464,729	21,324,824	183,789,553	1,270,260	1,633,970	1,385,491	5.49	5.71	5.52
Alternative III:												
1986.....	108,277	9,381	111,694	2,062,975	284,079	2,347,053	19,053	30,284	21,013	2.74	11.04	3.54
1987.....	108,599	9,728	112,143	2,122,446	283,869	2,406,315	19,544	29,181	21,458	2.58	-3.64	2.11
1988.....	108,054	9,890	111,657	2,205,421	289,009	2,495,429	20,420	29,223	22,349	4.48	.14	4.15
1989.....	110,159	10,247	113,892	2,359,163	316,671	2,675,833	21,416	30,905	23,494	4.88	5.76	5.13
1990.....	109,817	10,433	113,618	2,470,118	324,132	2,794,249	22,493	31,068	24,593	5.03	.53	4.68
1991.....	111,911	10,732	115,821	2,664,794	358,124	3,022,919	23,812	33,369	26,100	5.86	7.41	6.13
1992.....	113,695	11,032	117,714	2,865,173	376,635	3,241,809	25,200	34,140	27,540	5.83	2.31	5.52
1993.....	115,273	11,311	119,393	3,070,210	396,540	3,466,750	26,634	35,057	29,036	5.69	2.69	5.43
1994.....	116,748	11,592	120,971	3,290,174	417,833	3,708,007	28,182	36,045	30,652	5.81	2.82	5.56
1995.....	118,187	11,876	122,513	3,525,199	440,796	3,965,995	29,827	37,116	32,372	5.84	2.97	5.61
1996.....	119,536	12,221	123,988	3,774,987	467,462	4,242,449	31,580	38,249	34,217	5.88	3.05	5.70
1997.....	118,817	12,148	123,242	4,019,475	495,970	4,515,445	33,829	40,828	36,639	7.12	6.74	7.08
1998.....	119,600	12,228	124,054	4,287,026	530,576	4,817,602	35,845	43,390	38,835	5.96	6.28	5.99
1999.....	120,313	12,301	124,794	4,568,975	567,172	5,136,148	37,976	46,108	41,157	5.94	6.26	5.98
2000.....	120,903	12,361	125,406	4,863,683	605,572	5,469,256	40,228	48,990	43,612	5.93	6.25	5.97
2005.....	123,563	12,633	128,165	6,621,197	836,877	7,458,073	53,586	66,244	58,191	5.88	6.20	5.92
2010.....	124,070	12,685	128,691	8,874,804	1,138,696	10,013,500	71,531	89,767	77,810	5.95	6.27	5.99
2015.....	122,153	12,489	126,702	11,707,070	1,524,831	13,231,901	95,840	122,090	104,433	6.00	6.32	6.04
2020.....	118,743	12,140	123,165	15,240,507	2,015,102	17,255,609	128,349	165,984	140,102	6.03	6.35	6.07
2025.....	114,687	11,726	118,958	19,716,066	2,646,319	22,362,385	171,913	225,686	187,986	6.01	6.33	6.05
2030.....	111,242	11,373	115,385	25,583,045	3,485,767	29,068,812	229,977	306,483	251,929	6.00	6.31	6.03
2035.....	108,204	11,063	112,234	33,266,745	4,601,300	37,868,045	307,445	415,923	337,403	5.97	6.29	6.01
2040.....	104,921	10,727	108,829	43,135,851	6,056,655	49,192,507	411,126	564,606	452,017	5.99	6.31	6.03
2045.....	100,952	10,321	104,712	55,565,450	7,919,970	63,485,420	550,414	767,333	606,286	6.02	6.34	6.06
2050.....	96,748	9,892	100,351	71,334,234	10,321,463	81,655,757	737,323	1,043,462	813,701	6.02	6.34	6.06
2055.....	92,813	9,489	96,270	91,832,389	13,459,103	105,091,492	987,277	1,418,346	1,091,633	6.01	6.33	6.05
2060.....	89,354	9,136	92,682	118,054,588	17,602,493	135,657,082	1,321,200	1,926,797	1,463,683	6.00	6.31	6.04
2065.....	86,078	8,801	89,284	152,146,379	23,029,110	175,175,489	1,767,539	2,616,740	1,962,003	5.99	6.31	6.03

Table A19.—Summary and analysis of OASDI Covered Earnings by Alternative

Year	Workers (000)			Earnings (000,000)			Average Earnings			Percent change in Average Earnings		
	W&S	SE	Total	W&S	SE	Total	W&S	SE	Total	W&S	SE	Total
Past Experience:												
1952.....	56,060	4,240	59,582	143,500	16,400	159,900	2,560	3,868	2,684	5.54	-1.18	4.76
1953.....	57,220	4,340	60,843	156,000	17,000	173,000	2,726	3,917	2,843	6.51	1.27	5.95
1954.....	55,940	4,350	59,610	155,100	16,800	171,900	2,773	3,862	2,884	1.70	-1.40	1.42
1955.....	59,560	6,810	65,200	171,600	24,500	196,100	2,981	3,598	3,008	3.91	-6.85	4.30
1956.....	61,560	7,390	67,610	188,500	28,300	216,800	3,062	3,829	3,207	6.28	6.44	6.62
1957.....	64,730	7,150	70,589	205,500	28,400	233,900	3,175	3,972	3,314	3.68	3.72	3.33
1958.....	64,040	7,130	69,789	208,000	28,500	236,500	3,248	3,997	3,390	2.31	.63	2.30
1959.....	66,000	7,080	71,698	225,100	29,900	255,000	3,411	4,235	3,557	5.01	5.95	4.92
1960.....	66,980	6,870	72,530	236,000	29,200	265,200	3,523	4,250	3,656	3.31	.36	2.81
1961.....	67,360	6,790	72,820	240,700	30,000	270,700	3,573	4,418	3,717	1.42	3.95	1.67
1962.....	68,690	6,720	74,280	257,700	31,300	289,000	3,741	4,658	3,891	4.68	5.42	4.66
1963.....	70,310	6,590	75,540	270,600	31,700	302,300	3,849	4,810	4,002	2.89	3.28	2.86
1964.....	72,230	6,480	77,430	290,900	33,600	324,500	4,027	5,185	4,191	4.64	7.79	4.72
1965.....	75,430	6,550	80,680	311,400	40,300	351,700	4,128	6,153	4,359	2.51	18.66	4.02
1966.....	79,460	6,630	84,600	346,700	44,000	390,700	4,363	6,637	4,618	5.69	7.86	5.94
1967.....	82,020	6,470	87,040	377,500	44,800	422,300	4,603	6,924	4,852	5.49	4.34	5.06
1968.....	84,470	6,570	89,380	413,600	46,400	460,000	4,896	7,062	5,147	6.39	1.99	6.08
1969.....	87,200	6,350	92,060	455,700	47,100	502,800	5,226	7,417	5,462	6.73	5.03	6.12
1970.....	88,180	6,270	93,090	483,600	48,000	531,600	5,484	7,656	5,711	4.94	3.21	4.56
1971.....	88,460	6,290	93,340	509,000	50,700	559,700	5,754	8,060	5,996	4.92	5.29	5.00
1972.....	91,220	6,600	96,240	563,300	54,600	617,900	6,175	8,273	6,420	7.32	2.63	7.07
1973.....	94,610	7,100	99,830	624,400	62,300	686,700	6,600	8,775	6,879	6.88	6.07	7.14
1974.....	96,190	7,040	101,330	681,600	65,200	746,800	7,086	9,261	7,370	7.37	5.55	7.14
1975.....	94,900	7,000	100,200	717,200	70,400	787,600	7,557	10,057	7,860	6.65	8.59	6.65
1976.....	97,230	7,400	102,600	797,200	76,800	874,000	8,199	10,378	8,519	8.49	3.19	8.37
1977.....	100,450	7,480	105,800	883,100	80,700	963,800	8,791	10,789	9,110	7.22	3.95	6.94
1978.....	104,010	8,040	110,600	1,002,200	93,700	1,095,900	9,636	11,654	9,909	9.60	8.02	8.72
1979.....	106,920	8,180	112,700	1,125,000	100,200	1,225,200	10,522	12,249	10,871	9.20	5.11	9.72
1980.....	107,200	8,200	113,000	1,230,500	97,700	1,328,200	11,479	11,915	11,754	9.09	-2.73	8.12
1981.....	107,500	8,290	113,303	1,348,200	98,900	1,447,100	12,541	11,930	12,772	9.26	.13	8.66
1982.....	106,500	8,500	112,600	1,423,300	98,600	1,521,900	13,364	11,600	13,516	6.56	-2.77	5.83
1983.....	107,000	9,000	113,400	1,502,100	109,300	1,611,400	14,038	12,144	14,210	5.04	4.69	5.13
1984.....	112,050	9,600	118,500	1,665,022	117,200	1,782,222	14,860	12,208	15,040	5.85	.53	5.84
1985.....	115,030	9,600	121,830	1,779,379	122,000	1,901,379	15,469	12,708	15,607	4.10	4.10	3.77
Alternative I:												
1986.....	117,376	9,660	124,194	1,896,151	132,621	2,028,772	16,155	13,729	16,336	4.43	8.03	4.67
1987.....	118,948	9,772	125,840	2,012,076	143,009	2,155,084	16,916	17,126	17,126	4.71	6.60	4.84
1988.....	120,927	9,960	127,933	2,154,277	152,329	2,306,606	17,815	15,294	18,030	5.32	4.50	5.28
1989.....	123,046	10,124	130,151	2,313,052	162,889	2,475,941	18,798	16,089	19,024	5.52	5.20	5.51
1990.....	125,060	10,261	132,234	2,470,219	159,597	2,629,816	19,752	15,554	19,888	5.07	-3.32	4.54
1991.....	127,070	10,482	134,390	2,626,141	167,541	2,793,682	20,667	15,984	20,788	4.63	2.77	4.53
1992.....	128,656	10,644	136,099	2,772,925	174,716	2,947,642	21,553	16,414	21,658	4.29	2.69	4.19
1993.....	129,889	10,826	137,473	2,914,349	181,311	3,095,660	22,437	16,748	22,518	4.10	2.04	3.97
1994.....	130,966	11,026	138,645	3,061,990	188,642	3,250,632	23,391	17,109	23,446	4.25	2.15	4.12
1995.....	132,059	11,233	139,957	3,216,866	196,382	3,413,248	24,359	17,483	24,388	4.14	2.19	4.02
1996.....	133,019	11,488	141,127	3,379,374	205,297	3,584,671	25,405	17,870	25,400	4.29	2.22	4.15
1997.....	134,429	11,606	142,620	3,572,448	216,951	3,789,399	26,575	18,693	26,570	4.60	4.61	4.60
1998.....	135,528	11,696	143,783	3,767,000	228,509	3,995,509	27,795	19,537	27,788	4.59	4.51	4.59
1999.....	136,613	11,786	144,931	3,971,651	240,629	4,212,280	29,072	20,417	29,064	4.60	4.51	4.59
2000.....	137,749	11,879	146,133	4,188,088	253,469	4,441,557	30,404	21,337	30,394	4.58	4.51	4.58
2005.....	142,063	12,228	150,693	5,399,284	325,154	5,724,439	38,006	26,590	37,987	4.54	4.50	4.54
2010.....	144,886	12,448	153,672	6,869,537	412,482	7,282,020	47,413	33,136	47,387	4.51	4.50	4.51
2015.....	146,550	12,577	155,427	8,661,624	519,348	9,180,973	59,103	41,294	59,069	4.50	4.50	4.50
2020.....	147,365	12,647	156,291	10,853,963	650,800	11,504,763	73,654	51,459	73,611	4.50	4.50	4.50
2025.....	148,548	12,748	157,546	13,634,625	817,528	14,452,153	91,786	64,128	91,733	4.50	4.50	4.50
2030.....	151,277	12,983	160,440	17,303,340	1,037,503	18,340,844	114,382	79,915	114,316	4.50	4.50	4.50
2035.....	155,119	13,312	164,514	22,110,656	1,325,748	23,436,404	142,540	99,588	142,458	4.50	4.50	4.50
2040.....	159,160	13,659	168,800	28,271,749	1,695,166	29,966,914	177,631	124,105	177,529	4.50	4.50	4.50
2045.....	163,276	14,012	173,166	36,143,011	2,167,124	38,310,135	221,361	154,658	221,234	4.50	4.50	4.50
2050.....	167,803	14,401	177,987	46,289,517	2,775,505	49,065,022	275,856	192,731	275,697	4.50	4.50	4.50
2055.....	172,894	14,838	183,366	59,435,161	3,563,714	62,998,875	343,767	240,178	343,569	4.50	4.50	4.50
2060.....	178,358	15,307	189,161	76,407,802	4,581,389	80,989,191	428,396	299,306	428,150	4.50	4.50	4.50
2065.....	183,888	15,781	195,026	98,170,293	5,886,261	104,056,554	533,859	372,990	533,552	4.50	4.50	4.50
Alternative II-A:												
1986.....	117,373	9,662	124,194	1,886,364	132,561	2,018,925	16,072	13,720	16,256	3.90	7.96	4.16
1987.....	118,822	9,754	125,707	2,003,219	142,832	2,146,051	16,859	14,643	17,072	4.90	6.73	5.02
1988.....	120,539	9,933	127,538	2,136,151	152,092	2,288,243	17,722	15,312	17,942	5.12	4.57	5.09
1989.....	122,487	10,106	129,591	2,288,681	163,004	2,451,685	18,685	16,130	18,919	5.44	5.34	5.45
1990.....	124,393	10,242	131,570	2,444,847	160,291	2,605,137	19,654	15,650	19,800	5.19	-2.97	4.66
1991.....	126,230	10,448	133,550	2,606,488	169,221	2,775,709	20,649	16,197	20,784	5.06	3.49	4.97
1992.....	127,637	10,620	135,089	2,767,028	177,974	2,945,002	21,679	16,759	21,800	4.99	3.47	4.89
1993.....	128,850	10,808	136,448	2,925,240	186,602	3,111,842	22,703	17,265	22,806	4.72	3.02	4.61
1994.....	129,864	11,008	137,619	3,091,869	195,980	3,287,849	23,809	17,803	23,891	4.87	3.11	4.76
1995.....	131,006	11,214	138,919	3,267,723	205,932	3,473,655	24,943	18,363	25,005	4.77	3.15	4.66
1996.....	131,957	11,469	140,082	3,453,364	217,295	3,670,659	26,170	18,946	26,204	4.92	3.17	4.79
1997.....	133,011	11,556	141,198	3,658,636	229,114	3,887,750	27,506	19,826	27,534	5.10	4.65	5.08
1998.....	133,893	11,628	142,131	3,870,505	242,346	4,112,851	28,907	20,841	28,937	5.09	5.12	5.10
1999.....	134,761	11,700	143,049	4,094,217	256,289	4,350,505	30,381	21,906	30,413	5.10	5.11	5.10
2000.....	135,644	11,772	143,983	4,330,513	271,052	4,601,565	31,926	23,026	31,959	5.08	5.11	5.08
2005.....	138,808	12,024	147,326	5,674,088	355,124	6,029,212	40,877	29,534	40,924	5.05	5.11	5.05
2010.....	140,440	12,143	149,042	7,335,075	460,001	7,795,076	52,229	37,883	52,301	5.02	5.11	5.02
2015.....	140,471	12,132	149,065	9,366,720	589,499	9,956,219	66,681	48,592	66,791	5.00	5.11	5.01
2020.....	139,219	12,023	147,737	11,848,071								

Table A19.—Summary and analysis of OASDI Covered Earnings by Alternative —Continued

Year	Workers (000)			Earnings (000,000)			Average Earnings			Percent change in Average Earnings		
	W&S	SE	Total	W&S	SE	Total	W&S	SE	Total	W&S	SE	Total
Alternative II-A:												
(Cont.)												
2040.....	138,300	11,944	146,762	31,228,997	2,015,191	33,244,188	225,805	168,719	226,518	5.00	5.11	5.01
2045.....	138,422	11,955	146,891	39,892,028	2,587,121	42,479,149	288,191	216,412	289,188	5.00	5.11	5.01
2050.....	138,434	11,956	146,904	50,917,967	3,318,748	54,236,715	367,813	277,588	369,198	5.00	5.11	5.01
2055.....	138,834	11,990	147,328	65,173,229	4,269,186	69,442,415	469,433	356,057	471,346	5.00	5.11	5.01
2060.....	139,508	12,048	148,043	83,583,074	5,502,584	89,085,658	599,129	456,708	601,755	5.00	5.11	5.01
2065.....	140,164	12,105	148,740	107,177,779	7,091,297	114,269,076	764,657	585,812	768,247	5.00	5.11	5.01
Alternative II-B:												
1986.....	117,365	9,661	124,194	1,894,942	132,478	2,017,420	16,061	13,713	16,244	3.83	7.91	4.08
1987.....	118,605	9,721	125,476	1,986,023	141,741	2,127,765	16,745	14,581	16,958	4.26	6.33	4.39
1988.....	119,938	9,807	128,932	2,111,869	151,129	2,262,998	17,608	15,255	17,828	5.15	4.62	5.14
1989.....	121,596	10,066	128,694	2,251,783	161,793	2,413,556	18,518	16,754	18,754	5.17	5.37	5.19
1990.....	123,270	10,210	130,452	2,415,068	160,654	2,575,721	19,592	15,734	19,745	5.80	-2.11	5.28
1991.....	125,029	10,424	132,383	2,593,675	171,702	2,765,377	20,745	16,471	20,892	5.88	4.68	5.81
1992.....	126,527	10,610	134,000	2,772,781	182,715	2,955,496	21,915	17,221	22,056	5.64	4.55	5.57
1993.....	127,793	10,787	135,403	2,950,922	193,238	3,144,161	23,081	17,914	23,221	5.37	4.02	5.28
1994.....	128,820	10,991	136,588	3,138,647	204,835	3,343,482	24,365	18,637	24,365	5.51	4.03	5.42
1995.....	129,952	11,199	137,880	3,336,009	217,245	3,553,254	25,686	19,399	25,785	5.43	4.09	5.34
1996.....	130,893	11,454	139,032	3,549,961	231,356	3,781,316	27,121	20,199	27,197	5.59	4.12	5.48
1997.....	131,833	11,531	140,027	3,775,990	243,796	4,019,785	28,642	21,142	28,707	5.61	4.67	5.55
1998.....	132,739	11,606	140,986	4,014,754	259,423	4,274,177	30,246	22,352	30,316	5.60	5.72	5.61
1999.....	133,619	11,679	141,918	4,267,798	275,970	4,543,768	31,940	23,630	32,017	5.60	5.72	5.61
2000.....	134,471	11,749	142,820	4,534,950	293,499	4,828,449	33,724	24,981	33,808	5.59	5.72	5.59
2005.....	137,921	12,028	146,468	6,099,335	396,646	6,495,981	44,223	32,977	44,351	5.55	5.71	5.56
2010.....	139,639	12,155	148,276	8,080,513	529,139	8,609,652	57,867	43,534	58,065	5.52	5.71	5.53
2015.....	139,741	12,150	148,375	10,572,483	698,243	11,270,726	75,657	57,469	75,961	5.50	5.71	5.51
2020.....	138,498	12,042	147,055	13,694,884	913,556	14,608,441	98,881	75,865	99,340	5.50	5.71	5.51
2025.....	137,183	11,927	145,658	17,728,632	1,194,537	18,923,169	129,234	100,151	129,915	5.50	5.71	5.51
2030.....	136,824	11,896	145,277	23,110,006	1,572,793	24,682,799	168,904	132,210	169,902	5.50	5.71	5.51
2035.....	137,212	11,930	145,689	30,289,512	2,082,146	32,371,658	220,750	174,531	222,197	5.50	5.71	5.51
2040.....	137,545	11,959	146,043	39,683,373	2,755,337	42,438,709	288,512	230,400	290,591	5.50	5.71	5.51
2045.....	137,693	11,972	146,200	51,920,338	3,641,253	55,561,592	377,073	304,153	380,038	5.50	5.71	5.51
2050.....	137,780	11,979	146,292	67,900,509	4,809,874	72,710,383	492,820	401,515	497,022	5.50	5.71	5.51
2055.....	138,078	12,005	146,609	88,935,551	6,363,314	95,298,865	644,096	530,043	650,021	5.50	5.71	5.51
2060.....	138,749	12,064	147,321	116,799,702	8,441,060	125,240,762	841,807	699,714	850,122	5.50	5.71	5.51
2065.....	139,401	12,120	148,014	153,370,626	11,195,533	164,566,158	1,100,208	923,698	1,111,828	5.50	5.71	5.51
Alternative III:												
1986.....	117,354	9,661	124,194	1,875,330	132,415	2,007,745	15,980	13,706	16,166	3.31	7.85	3.58
1987.....	117,884	9,525	124,667	1,932,236	138,629	2,070,865	16,391	14,555	16,611	2.57	6.19	2.75
1988.....	116,743	9,790	123,725	2,012,208	145,338	2,157,546	17,236	14,845	17,438	5.16	1.99	4.98
1989.....	118,378	9,976	125,483	2,159,205	161,461	2,320,666	18,240	16,185	18,494	5.82	9.03	6.05
1990.....	118,137	9,953	125,276	2,262,357	154,846	2,417,203	19,150	15,558	19,295	4.99	-3.87	4.33
1991.....	119,676	10,445	127,113	2,448,530	171,988	2,620,518	20,460	16,466	20,616	6.84	5.84	6.84
1992.....	121,800	10,577	129,342	2,639,135	184,778	2,823,913	21,668	17,470	21,833	5.90	6.09	5.90
1993.....	123,663	10,780	131,345	2,834,526	198,365	3,032,891	22,921	18,402	23,081	5.79	5.34	5.76
1994.....	125,340	10,981	133,167	3,044,305	213,020	3,257,325	24,288	19,399	24,460	5.96	5.42	5.93
1995.....	127,032	11,188	135,010	3,268,894	228,814	3,497,708	25,733	20,452	25,907	5.95	5.43	5.91
1996.....	128,430	11,443	136,612	3,507,956	246,761	3,754,716	27,314	21,565	27,485	6.15	5.44	6.09
1997.....	129,035	11,492	137,252	3,739,951	262,864	4,002,816	28,984	22,875	29,164	6.11	6.07	6.11
1998.....	129,869	11,561	138,136	3,993,937	281,205	4,275,142	30,754	24,323	30,949	6.11	6.33	6.12
1999.....	130,619	11,624	138,930	4,262,427	300,601	4,563,028	32,633	25,861	32,844	6.11	6.32	6.12
2000.....	131,216	11,672	139,562	4,542,824	320,953	4,863,777	34,621	27,497	34,850	6.09	6.32	6.11
2005.....	133,737	11,874	142,227	6,218,397	443,545	6,661,942	46,497	37,354	46,840	6.05	6.32	6.07
2010.....	134,206	11,893	142,710	8,361,976	603,509	8,965,485	62,307	50,745	62,823	6.02	6.32	6.04
2015.....	132,443	11,723	140,826	11,047,939	808,160	11,856,099	83,416	68,936	84,190	6.00	6.32	6.02
2020.....	128,840	11,404	136,995	14,382,437	1,068,004	15,450,441	111,630	93,648	112,781	6.00	6.32	6.02
2025.....	124,550	11,025	132,433	18,606,013	1,402,549	20,008,562	149,386	127,219	151,084	6.00	6.32	6.02
2030.....	120,766	10,690	128,410	24,142,669	1,847,456	25,990,125	199,912	172,824	202,400	6.00	6.32	6.02
2035.....	117,348	10,387	124,775	31,393,762	2,438,689	33,832,451	267,527	234,779	271,148	6.00	6.32	6.02
2040.....	113,703	10,065	120,900	40,707,218	3,210,027	43,917,245	358,012	318,942	363,253	6.00	6.32	6.02
2045.....	109,449	9,688	116,376	52,437,006	4,197,584	56,634,590	479,101	433,277	486,652	6.00	6.32	6.02
2050.....	104,997	9,294	111,642	67,318,033	5,470,376	72,788,408	641,145	588,599	651,981	6.00	6.32	6.02
2055.....	100,785	8,921	107,164	86,473,305	7,133,325	93,606,630	857,997	799,600	873,490	6.00	6.32	6.02
2060.....	97,029	8,599	103,170	111,407,882	9,329,322	120,737,204	1,148,194	1,086,242	1,170,274	6.00	6.32	6.02
2065.....	93,444	8,271	99,358	143,580,238	12,205,428	155,785,667	1,536,542	1,475,639	1,567,923	6.00	6.32	6.02

APPENDIX B.—Estimate of split of historical values of GNP into that attributable to the work of wage and salary workers and that attributable to self-employed persons.

Context

This estimate rests on the basic premise that every part of GNP can be allocated to some individual worker, whether wage and salary earner or self-employed, as is presumed in the concept of labor productivity. We first focus on the GNP of nonincorporated enterprises and estimate the part of GNP that may be attributed to owner-workers, i.e., self-employed persons. The balance of total GNP is assumed to be attributable to the work of wage and salary workers. As is the case with the concept of labor productivity, i.e., the ratio of GNP to total hours of work, capital expenditures are not used for the allocation of GNP. (Although this may bear a resemblance to the "labor theory of value," we are not at all asserting that capital is not a crucial factor of production.) The following discussion assumes that the reader has already read the discussion and definitions in Section V.E. on the estimation of effective taxable payroll, and appreciates that the purpose of this appendix is to split total GNP into portions attributable to the work of wage and salary workers versus self-employed workers so that the separate relationships between GNP and effective taxable payroll for these groups may be more effectively estimated and studied. However, the actual estimation process traced out in this appendix is the estimation of the GNP attributable to self-employed persons.

Background knowledge required of National Income and Product Accounts

The remainder of this appendix assumes that the reader is acquainted with the basic structure of the National Income and Product Accounts (NIPA), as developed by the Bureau of Economic Analysis in the U.S. Department of Commerce and published in the Survey of Current Business. The reader who is not acquainted with the NIPA structure will find an introductory treatment in most first-year economics texts, e.g., *Economics* by Paul A. Samuelson. A more intensive treatment of the NIPA structure may be found in the article "The National Income and Products Accounts of the United States: An Overview," by Carol S. Carson and George Jaszi in the February 1981 issue of the Survey of Current Business.

NIPA concepts and their use in the estimate

The following table B1, abstracted from table 1 of the previously-cited article in the February 1981 issue of the Survey of Current Business, shows the NIPA's from two points of view: (1) the top segment shows GNP from the income point of view, showing the income to the factors of production to develop National Income (NI), and then the relationships among NI, Net National Product (NNP), and GNP, and (2) the bottom segment shows GNP from the expenditure approach, i.e., the familiar final sales by consumer, plant and equipment (with inventory change added in), government, and net exports.

Table B1.—National Income and Product Account
(In billions of dollars)

Line		
Factor Payments Approach		
1	Compensation of employees.....	1506.7
8	Proprietors' income with inventory valuation adjustment and capital consumption adjustment.....	130.6
9	Rental income of persons with capital consumption adjustment.....	31.9
10	Corporate profits with inventory valuation and capital consumption adjustments.....	182.1
18	Net interest.....	180.1
19	NATIONAL INCOME.....	2121.4
20	Business transfer payments.....	10.5
21	Indirect business tax and nontax liability.....	212.2
22	Less: Subsidies less current surplus of government enterprises.....	4.5
23	Statistical discrepancy.....	1.7
24	CHARGES AGAINST NET NATIONAL PRODUCT.....	2341.3
25	Capital consumption allowances with capital consumption adjustment.....	287.5
	CHARGES AGAINST GROSS NATIONAL PRODUCT.....	2628.8
Expenditure Approach		
26	Personal consumption expenditures.....	1671.1
30	Gross private domestic investment.....	396.8
37	Net exports of goods and services.....	26.1
40	Government purchases of goods and services.....	4.8
	GROSS NATIONAL PRODUCT.....	2628.8

Our purpose in including table B1 is to show the relationships among the concepts of GNP, NNP, NI, and the factors of production; in this appendix we are interested in these concepts as they apply, not to the total economy, but to two relatively small segments of the economy: (1) sole-proprietorships and partnerships, and (2) tax-exempt cooperatives. Tables B2, B4, and B5 all include the tax-exempt cooperatives so that earnings of these entities, which are passed back to their owners (who are almost all farmers) as "dividends," may be included in our total proprietors' income.

It may be safely asserted that the final sales approach to GNP is much more familiar to most readers than is the approach to GNP from the factors of production. But each dollar of final sales contains within it production generated in very diverse economic and geographic parts of the economy. We may surmise that the final sales approach provides great difficulties to estimating GNP attributable to self-employed persons. In fact, we do use the factors of production point of view in developing our estimate of the GNP attributable to self-employed persons.

Explanation of the estimate of GNP of self-employed persons

The following chart shows the interrelationships between tables B2, B3, B4, and B5, and may be referred to in the subsequent discussion of individual tables:

	Sole Proprietorships and Partnerships	Sole Proprietors and Partners
NI	Table B2	
NNP	Table B3	
GNP	Table B4	Table B5

Since the goal is to estimate GNP attributable to self-employed persons (i.e., owners of sole proprietorships and partnerships), it is necessary to start with something that has GNP or something closely related to it for sole-

proprietorships and partnerships (P&P-ships), and that gives some basis for splitting that GNP between the sole-proprietors and partners (P&P's) and the wage earners in their employ. NIPA table 1.15 comes close; it gives NI of P&P-ships and builds this up from proprietors' income and their employees' compensation, among other things. Thus, table B2 starts with the NI of P&P-ships and the split among the various factors of production, including P&P's and wage earners; it does the same for tax-exempt cooperatives (which are called

"other private business" in table 1.15). Table B3 adjusts the NI of P&P-ships to give NNP of P&P-ships. Table B4 starts with the NNP and uses the capital consumption allowance to calculate GNP; it does this separately for P&P-ships and for tax-exempt cooperatives. Table B5 uses the results of table B4 and the employee-proprietor splits of table B2 on income, to calculate the GNP of P&P's, for P&P-ships and tax-exempt cooperatives separately.

Table B2.—National Income of Sole Proprietorships and Partnerships, and Tax-Exempt Cooperatives (Other Private Business, less Real Estate)
[In billions of dollars]

Year	Sole Proprietorships and Partnerships				Tax-Exempt Cooperatives				
	Employee Compensation 1.15 L13 (1)	Proprietors' Income 1.15 L16 (2)	Net Interest 1.15 L24 (3)	Total (4)	Employee Compensation 1.15 L26 (5)	Proprietors' Income 1.15 L29 (6)	Interest Paid 8.8 L13 (7)	Interest Received 8.8 L27 (8)	Total (9)
1951	28.2	43.7	0.7	72.6	1.1	0.3	0.0	0.0	1.4
1952	29.9	44.1	0.7	74.7	1.1	0.3	0.0	0.0	1.4
1953	31.4	43.1	0.7	75.2	1.2	0.3	0.1	0.0	1.6
1954	31.2	43.2	0.8	75.2	1.2	0.3	0.1	0.0	1.6
1955	32.2	45.1	0.8	78.1	1.3	0.3	0.1	0.0	1.7
1956	34.1	46.6	0.9	81.6	1.3	0.3	0.1	0.0	1.7
1957	35.2	48.5	1.0	84.7	1.3	0.3	0.1	0.0	1.7
1958	35.2	51.2	1.2	87.6	1.4	0.3	0.1	0.0	1.8
1959	37.1	51.4	1.2	89.7	1.4	0.3	0.1	0.0	1.8
1960	37.0	51.8	1.2	90.0	1.5	0.3	0.1	0.0	1.9
1961	36.5	54.0	1.4	91.9	1.7	0.4	0.1	0.0	2.2
1962	37.2	56.2	1.6	95.0	1.8	0.4	0.1	0.0	2.3
1963	38.1	57.2	1.9	97.2	1.9	0.4	0.1	0.0	2.4
1964	40.1	60.0	2.4	102.5	2.0	0.4	0.1	0.0	2.5
1965	41.3	64.7	2.8	108.8	2.1	0.4	0.1	0.0	2.6
1966	43.9	69.1	3.3	116.3	2.3	0.4	0.1	0.0	2.8
1967	44.5	70.7	3.6	118.8	2.6	0.4	0.1	0.0	3.1
1968	46.4	75.0	4.0	125.4	2.8	0.4	0.1	0.0	3.3
1969	48.1	78.9	4.9	131.9	3.0	0.4	0.2	0.0	3.6
1970	49.2	79.8	6.0	135.0	3.2	0.4	0.2	0.0	3.8
1971	49.7	86.4	7.3	143.4	3.5	0.4	0.2	0.0	4.1
1972	51.7	97.8	8.4	157.9	3.8	0.5	0.1	0.0	4.4
1973	58.1	118.4	11.0	187.5	4.1	0.6	0.2	0.0	4.9
1974	62.3	118.0	13.7	194.0	4.4	0.8	0.3	0.0	5.5
1975	65.8	124.5	15.5	205.8	4.7	0.9	0.6	0.1	6.1
1976	71.6	136.8	17.5	225.9	5.1	0.9	0.8	0.1	6.7
1977	77.1	152.0	19.8	248.9	5.7	0.9	1.0	0.1	7.5
1978	86.5	175.2	23.2	284.9	6.4	1.0	1.3	0.1	8.6
1979	96.0	190.7	29.7	316.4	7.1	1.2	1.8	0.2	9.9
1980	102.2	179.4	36.5	318.1	7.8	1.3	2.5	0.3	11.3
1981	108.7	185.4	48.1	342.2	8.4	1.4	3.5	0.4	12.9
1982	114.0	174.0	52.7	340.7	9.0	1.6	4.1	0.3	14.4
1983	118.5	189.3	53.4	361.2	9.8	1.6	4.2	0.3	15.3
1984	130.9	234.9	57.9	423.7	10.8	1.9	4.6	0.3	17.0
1985	141.0	252.4	57.6	451.0	11.7	2.0	4.8	0.3	18.2

Note:

$$(9) = (5) + (6) + (7) - (8)$$

Source(Example):

1.15 L13: Table 1.15, Line 13, National Income and Product Account tables of Survey of Current Business.

**Table B3.—Adjustment of National Income to Yield Net National Product (NNP)
For Sole Proprietorships and Partnerships**
[In billions of dollars]

Year	Indirect Business Tax and Non-Tax Liability, Plus Business Transfer Payments, Less Subsidies											National Income of Sole P&P (11)	Net National Product of Sole P&P (12)
	Total Economy			Corporate 1.16 L4 (4)	Other Private Business				Govt. Enterp. (9)	Sole Prop. and Partners (10)			
	Indirect Liability 1.9 L6 (1)	Transfer 1.9 L9 (2)	Subsidiary 1.9 L9 (3)		Non-Farm Housing		Farm Housing 8.9 L96 (7)	Instt. Bldgs. 8.9 L101 (8)					
					Indirect Liability 8.9 L88 (5)	Subsidy 8.9 L89 (6)							
1951	25.3	0.9	-0.1	17.0	1.9	0.0	0.1	0.1	0.4	6.8	72.6	79.4	
1952	27.7	1.0	-0.3	18.6	2.1	0.0	0.1	0.2	0.7	7.3	74.7	82.0	
1953	29.7	1.2	-0.5	19.9	2.4	0.0	0.1	0.2	0.9	7.9	75.2	83.2	
1954	29.6	1.1	-0.3	19.3	2.6	0.0	0.1	0.2	0.7	8.1	75.2	83.3	
1955	32.2	1.2	0.0	21.3	3.0	0.0	0.1	0.2	0.4	8.4	78.1	86.5	
1956	35.0	1.4	0.7	23.2	3.5	0.0	0.1	0.2	0.0	8.7	81.6	90.3	
1957	37.4	1.5	0.7	24.6	3.9	0.0	0.1	0.2	0.5	8.9	84.7	93.6	
1958	38.6	1.6	1.1	25.0	4.4	0.0	0.1	0.3	0.2	9.1	87.6	96.7	
1959	41.7	1.8	0.1	27.3	4.7	0.0	0.1	0.3	0.9	10.1	89.7	99.8	
1960	45.3	2.0	0.4	29.8	5.2	0.0	0.2	0.3	0.7	10.8	90.0	100.8	
1961	48.0	2.0	1.7	31.1	5.7	0.0	0.2	0.4	0.2	10.7	91.9	102.6	
1962	51.5	2.1	1.8	33.6	6.2	0.0	0.2	0.4	0.4	11.0	95.0	106.0	
1963	54.6	2.4	1.1	35.8	6.9	0.0	0.2	0.4	1.0	11.6	97.2	108.8	
1964	58.7	2.7	1.7	38.6	7.5	0.0	0.2	0.5	0.9	12.0	102.5	114.5	
1965	62.5	2.8	1.6	41.2	8.2	0.0	0.2	0.5	1.2	12.3	108.8	121.1	
1966	65.2	3.0	2.5	42.7	8.9	0.0	0.2	0.6	1.3	12.0	116.3	128.3	
1967	70.1	3.1	1.6	45.4	9.9	0.0	0.2	0.6	2.0	13.5	118.8	132.3	
1968	78.7	3.4	1.4	52.3	11.2	0.0	0.2	0.7	2.6	13.7	125.4	139.1	
1969	86.3	3.9	1.9	57.8	12.6	0.0	0.2	0.8	2.3	14.5	131.9	146.4	
1970	94.0	4.1	2.9	62.1	14.3	0.1	0.2	0.9	1.5	16.3	135.0	151.3	
1971	103.4	4.4	2.6	68.4	15.7	0.2	0.2	1.0	1.6	18.5	143.4	161.9	
1972	111.1	4.9	3.7	73.5	16.9	0.6	0.2	1.1	2.3	18.9	157.9	176.8	
1973	120.8	5.5	3.5	81.0	18.3	0.4	0.2	1.1	1.1	21.5	187.5	209.0	
1974	129.0	5.8	1.2	86.2	19.6	0.2	0.2	1.2	1.1	25.5	194.0	219.5	
1975	140.0	7.4	2.4	93.6	21.6	0.2	0.2	1.3	1.0	27.6	205.8	233.4	
1976	151.7	7.9	1.0	101.3	23.9	0.2	0.3	1.3	2.5	29.4	225.9	255.3	
1977	165.7	8.6	3.0	111.0	26.4	0.1	0.3	1.4	2.2	30.0	248.9	278.9	
1978	178.1	9.3	3.9	121.2	27.1	0.1	0.3	1.5	2.7	30.8	284.9	315.7	
1979	189.4	10.3	3.5	129.5	27.9	0.1	0.3	1.4	2.3	34.9	316.4	351.3	
1980	213.3	12.1	5.7	147.3	30.2	0.1	0.3	1.5	0.3	40.2	318.1	358.3	
1981	251.5	12.4	6.7	174.9	33.7	0.2	0.3	1.7	0.4	46.4	342.2	386.6	
1982	258.8	14.3	8.7	177.0	37.3	0.3	0.3	1.8	0.4	48.0	340.7	388.7	
1983	282.6	16.0	14.1	194.2	40.2	0.3	0.3	2.0	1.5	46.6	361.2	407.8	
1984	312.0	18.3	10.5	215.8	43.6	0.3	0.3	2.1	5.2	53.1	423.7	476.8	
1985	331.4	20.9	8.2	230.2	46.9	0.3	0.3	2.4	6.7	57.9	451.0	506.9	

Note:

(9) GNP of Govt. Enterprises [(6.1 L77)+(6.1 L80)], Less National Income of Gov't. Enterprises (1.15 L35).

(10) = [(1)+(2)-(3)] - [(4)+(5)-(6)] + (7)+(8)+(9)

(12) = (10) + (11)

Sources (Examples):

1) 1.9 L6: Table 1.9, Line 6 of Survey of Current Business.

Table B4.—Adjustment to Net National Product to Yield GNP of Sole Proprietorships and Partnerships, and Tax-Exempt Cooperatives (Other Private Business Less Real Estate)
[In billions of dollars]

Year	Sole Proprietors and Partnerships			Tax-Exempt Cooperatives			
	CC Allow. with CC Adj. (1)	Net National Product 8.3 L5 (2)	Gross National Product (3)	CC Allow. (4)	CC Adj. 8.4 L19 (5)	Net National Product (6)	Gross National Product (7)
1951.....	6.0	79.4	85.4	0.1	0.0	1.4	1.5
1952.....	6.5	82.0	88.5	0.1	0.0	1.4	1.5
1953.....	6.8	83.2	90.0	0.2	0.0	1.6	1.8
1954.....	7.0	83.3	90.3	0.2	0.0	1.6	1.8
1955.....	7.3	86.5	93.8	0.2	0.0	1.7	1.9
1956.....	8.0	90.3	98.3	0.2	0.0	1.7	1.9
1957.....	8.4	93.6	102.0	0.2	-0.1	1.7	2.0
1958.....	8.6	96.7	105.3	0.2	-0.1	1.8	2.1
1959.....	8.8	99.8	108.6	0.2	-0.1	1.8	2.1
1960.....	9.0	100.8	109.8	0.2	-0.1	1.9	2.2
1961.....	9.0	102.6	111.6	0.2	-0.1	2.2	2.5
1962.....	9.2	106.0	115.2	0.2	-0.1	2.3	2.6
1963.....	9.4	108.8	118.2	0.2	-0.1	2.4	2.7
1964.....	9.8	114.5	124.3	0.2	-0.1	2.5	2.8
1965.....	10.3	121.1	131.4	0.2	-0.1	2.6	2.9
1966.....	11.0	128.3	139.3	0.2	-0.1	2.8	3.1
1967.....	11.8	132.3	144.1	0.3	-0.1	3.1	3.5
1968.....	12.7	139.1	151.8	0.3	-0.1	3.3	3.7
1969.....	13.9	146.4	160.3	0.3	-0.1	3.6	4.0
1970.....	15.1	151.3	166.4	0.4	-0.1	3.8	4.3
1971.....	16.4	161.9	178.3	0.4	-0.1	4.1	4.6
1972.....	18.2	176.8	195.0	0.4	-0.2	4.4	5.0
1973.....	20.1	209.0	229.1	0.4	-0.2	4.9	5.5
1974.....	23.3	219.5	242.8	0.5	-0.2	5.5	6.2
1975.....	27.2	233.4	260.6	0.5	-0.4	6.1	7.0
1976.....	29.8	255.3	285.1	0.6	-0.4	6.7	7.7
1977.....	33.3	278.9	312.2	0.6	-0.5	7.5	8.6
1978.....	37.9	315.7	353.6	0.7	-0.5	8.6	9.8
1979.....	44.0	351.3	395.3	0.8	-0.6	9.9	11.3
1980.....	51.0	358.3	409.3	1.0	-0.7	11.3	13.0
1981.....	58.1	388.6	446.7	1.1	-0.9	12.9	14.9
1982.....	64.1	388.7	452.8	1.3	-1.0	14.4	16.7
1983.....	65.8	407.8	473.6	1.5	-1.0	15.3	17.8
1984.....	68.1	476.8	544.9	1.8	-0.9	17.0	19.5
1985.....	70.4	508.9	579.3	1.8	-0.9	18.2	20.9

Note:

(3) Obtained from Bureau of Economic Analysis, Department of Commerce.

(7) = (4) - (5) + (6)

Sources (Examples):

1) 8.3 L5: Table 8.3, Line 5, National Income and Product Account Tables of The Survey of Current Business.

Table B5.—Adjustment of Proprietorships and Partnerships to Yield Gross National Product of Proprietors and Partners (Self Employed)
 [In billions in dollars]

Year	Sole Proprietorships and Partnerships				Tax-Exempt Cooperatives				Total GNP of Self Employed (9)	Annual Percentage Change of Total GNP of Self Employed (10)
	Gross National Product (1)	Employee Compensation 1.15 L13 (2)	Proprietors' Income 1.15 L16 (3)	GNP of Self Employed (4)	Gross National Product (5)	Employee Compensation 1.15 L26 (6)	Proprietors' Income 1.15 L29 (7)	GNP of Self Employed (8)		
1951	85.4	28.2	43.7	51.9	1.5	1.1	0.3	0.3	52.2	NA
1952	88.5	29.9	44.1	52.7	1.5	1.1	0.3	0.3	53.1	1.6
1953	90.0	31.4	43.1	52.0	1.8	1.2	0.3	0.4	52.4	-1.3
1954	90.3	31.2	43.2	52.4	1.8	1.2	0.3	0.4	52.8	0.7
1955	93.8	32.2	45.1	54.7	1.9	1.3	0.3	0.4	55.1	4.3
1956	98.3	34.1	46.6	56.8	1.9	1.3	0.3	0.4	57.1	3.8
1957	102.0	35.2	48.5	59.1	2.0	1.3	0.3	0.4	59.5	4.1
1958	105.3	35.2	51.2	62.4	2.1	1.4	0.3	0.4	62.8	5.6
1959	108.6	37.1	51.4	63.1	2.1	1.4	0.3	0.4	63.4	1.0
1960	109.8	37.0	51.8	64.0	2.2	1.5	0.3	0.4	64.4	1.6
1961	111.6	36.5	54.0	66.6	2.5	1.7	0.4	0.5	67.0	4.1
1962	115.2	37.2	56.2	69.3	2.6	1.8	0.4	0.5	69.8	4.1
1963	118.2	38.1	57.2	70.9	2.7	1.9	0.4	0.5	71.4	2.3
1964	124.3	40.1	60.0	74.5	2.8	2.0	0.4	0.5	75.0	5.0
1965	131.4	41.3	64.7	80.2	2.9	2.1	0.4	0.5	80.7	7.6
1966	139.3	43.9	69.1	85.2	3.1	2.3	0.4	0.5	85.6	6.1
1967	144.1	44.5	70.7	88.4	3.5	2.6	0.4	0.5	88.9	3.8
1968	151.8	46.4	75.0	93.8	3.7	2.8	0.4	0.5	94.2	6.0
1969	160.3	48.1	78.9	99.6	4.0	3.0	0.4	0.5	100.1	6.2
1970	166.4	49.2	79.8	103.0	4.3	3.2	0.4	0.5	103.4	3.3
1971	178.3	49.7	86.4	113.2	4.6	3.5	0.4	0.5	113.6	9.9
1972	195.0	51.7	97.8	127.6	5.0	3.8	0.5	0.6	128.2	12.8
1973	229.1	58.1	118.4	153.7	5.5	4.1	0.6	0.7	154.4	20.5
1974	242.8	62.3	118.0	158.9	6.2	4.4	0.8	1.0	159.8	3.6
1975	260.6	65.8	124.5	170.5	7.0	4.7	0.9	1.1	171.6	7.3
1976	285.1	71.6	136.8	187.2	7.7	5.1	0.9	1.2	188.3	9.8
1977	312.2	77.1	152.0	207.1	8.6	5.7	0.9	1.2	208.3	10.6
1978	353.6	86.5	175.2	236.7	9.8	6.4	1.0	1.3	236.0	14.3
1979	395.3	96.0	190.7	262.9	11.3	7.1	1.2	1.6	264.6	11.1
1980	409.3	102.2	179.4	260.8	13.0	7.8	1.3	1.9	262.6	-0.7
1981	446.7	108.7	185.4	281.6	14.9	8.4	1.4	2.1	283.7	8.0
1982	452.8	114.0	174.0	273.5	16.7	9.0	1.6	2.5	276.1	-2.7
1983	473.6	118.5	189.3	291.3	17.8	9.8	1.6	2.5	293.8	6.4
1984	544.9	130.9	234.9	349.9	19.5	10.8	1.9	2.9	352.9	20.1
1985	579.3	141.0	252.4	371.7	20.9	11.7	2.0	3.0	374.7	6.2

Note:

$$(4) = (1) \times [(3) / ((2) + (3))]$$

$$(8) = (5) \times [(7) / ((6) + (7))]$$

$$(9) = (4) + (8)$$

Source (Examples):

1.15 L13: Table 1.15, Line 13 of Survey of Current Business.