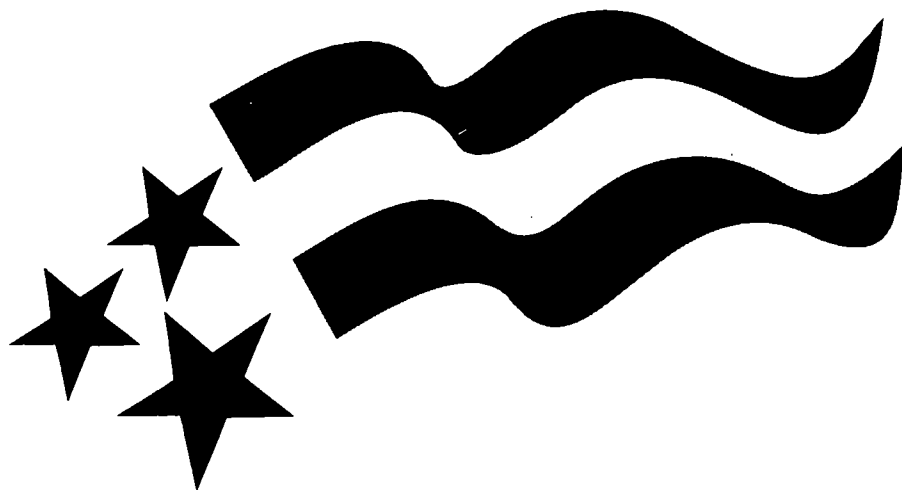

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Status of the Social Security and Medicare Programs

A SUMMARY OF THE
1994 ANNUAL REPORTS

Washington, D.C.
April 1994

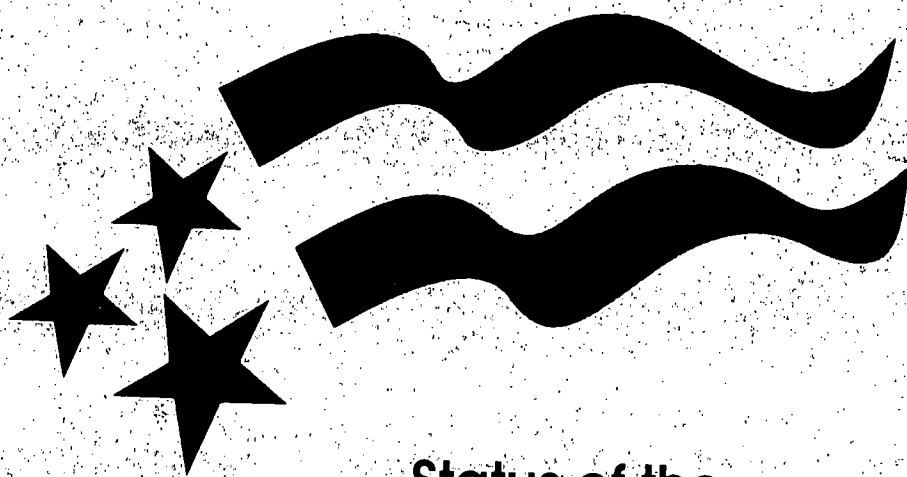
**Social Security and Medicare
Boards of Trustees**

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Status of the Social Security and Medicare Programs

**A SUMMARY OF THE
1996 ANNUAL REPORTS**

**Washington, D.C.
June 1996**

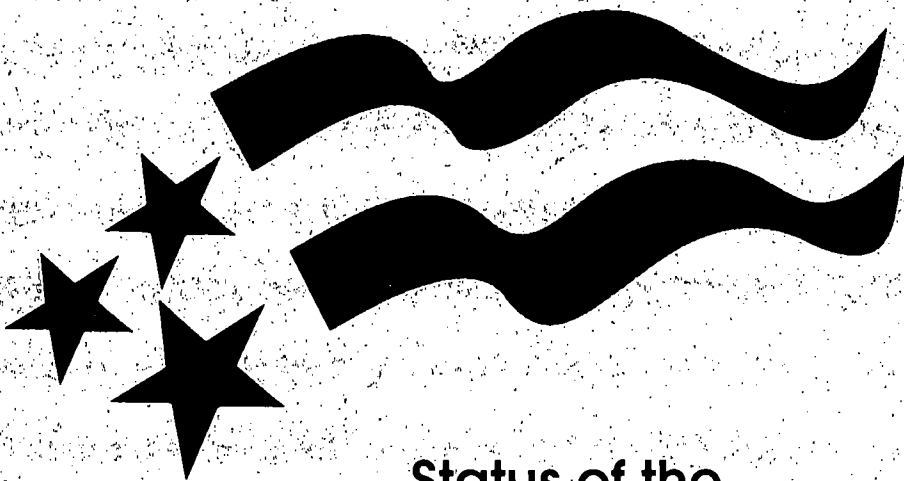
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Status of the Social Security and Medicare Programs

**A SUMMARY OF THE
1996 ANNUAL REPORTS**

**Washington, D.C.
June 1996**

**Social Security and Medicare
Boards of Trustees**

FOR RELEASE ON DELIVERY

STATEMENT ON
the
1996 TRUSTEES REPORT

BY
DR. SHIRLEY S. CHATER
COMMISSIONER OF
SOCIAL SECURITY



BEFORE THE
COMMITTEE ON FINANCE
SUBCOMMITTEE ON SOCIAL SECURITY
AND FAMILY POLICY
U.S. SENATE

AUGUST 2, 1996

Mr. Chairman and Members of the Subcommittee:

I appreciate your invitation to discuss the status of Social Security's Old Age and Survivors Insurance (OASI) and Disability Insurance (DI) Trust Funds. In your letter of invitation you asked me to address four questions: what the 1996 report tells us about the current and future state of the trust funds; what has changed from previous reports; how soon I would recommend that Congress take action to restore the program's long-term solvency; and the public education efforts we have undertaken to inform the public about Social Security programs. I plan to address each of these questions.

The 1996 Trustees Report

The 1996 Trustees Report, which we have made available on the Internet, tells us that the assets of the combined funds increased by \$59.7 billion, from \$436.4 billion at the end of December 1994 to \$496.1 billion at the end of December 1995. In 1995, the Social Security trust funds took in \$399.5 billion and paid out \$339.8 billion. In addition, over the next 10 years the combined assets of the OASI and DI Trust Funds are expected to increase from the current level of \$496.1 billion to \$1,276 billion or 221 percent of annual expenditures. Thus, the combined OASI and DI Trust Funds, as well as each fund separately, are adequately financed and meet the short-range test for financial adequacy for the next ten years.

The Trustees also project the status of the trust funds over the next 75 years, the period which is considered long range for program evaluation purposes. The OASI and DI programs are out of actuarial balance for the period ending in 2070. Actuarial balance is essentially the difference between annual income and costs summarized over a given period. If the balance is negative, as it is now, the fund has an actuarial deficit.

The deficit is generally expressed in terms of a percentage of taxable payroll rather than dollars because the value of a dollar changes over time. The deficit in this year's Report for the OASDI program changed very little from last year's Report, rising from 2.17 percent of taxable payroll to 2.19 percent.

I am pleased to report that, as has been true throughout the program's history, administrative expenses for the OASDI program were small in relation to benefits. Administrative expenses amounted to \$3.1 billion in 1995, or less than 1 percent of benefits paid during the year.

Interest earnings on the invested assets of the combined OASI and DI Trust Funds were \$35 billion in 1995. This represented an effective annual interest rate of 7.8 percent earned by the combined assets during the year. During the same period, the average interest rate on new securities purchased by the trust funds was 6.9 percent.

As you are aware, the Trustees develop three alternative sets of estimates based on varying economic and demographic assumptions to show a range of possibilities regarding the financial condition of the trust funds. These estimates range from low cost (alternative I) to high cost (alternative III). Alternative II, the intermediate set of assumptions, reflects the Trustees' best estimate of what future experience will be. The projections take into account fertility rates, mortality rates, net immigration rates, productivity increases, unemployment rates, cost of living increases, and other factors, all of which are difficult to predict with very much certainty.

Under the 1996 Trustees Report's intermediate assumptions, annual expenditures from the OASI and DI Trust Funds would become larger than the funds' combined annual tax income in 2012. However, because of interest income, total income would continue to exceed expenditures until 2019. The funds would begin to decline in 2019 and would be exhausted in 2029. Each of these three dates is a year earlier than was estimated in last year's Report. This is primarily due to three factors: a change in methodology regarding taxable earnings levels at the beginning of the 75-year projection period; a change in interest rates on new trust fund investments during the first several years; and the early-year costs associated with legislation enacted in March 1996 to increase the amounts that beneficiaries aged 65-69 may earn without having benefits withheld.

I want to clarify that exhaustion of the trust funds in 2029 would not terminate the Social Security program because continuing payroll taxes and income from taxes on benefits are

expected to generate more than \$2 trillion in revenues for the Trust Funds in 2029.

The Trustees concluded, "We believe there is ample time to discuss and evaluate alternative solutions with deliberation and care. The size of the long-range deficit is such that long-range balance could be restored within the framework of the present program."

Purpose of Social Security

Social Security has been America's most successful domestic program. Today, Social Security provides benefits to more than 43 million workers and their families. In 1996, an estimated 142 million people worked in jobs covered by the OASDI program and paid OASDI contributions on their earnings, giving them the peace of mind that comes from knowing that they and their families will be protected when they retire or if they should become disabled or die. Nearly 1 in 6 Americans receives Social Security benefits, and 95 percent of Americans have the benefit protection provided by our programs.

Social Security was created during the Great Depression to ensure that working American families had a measure of economic security. It was designed to form the basis upon which workers could, with their own savings and private pensions, build protection for themselves and their families against retirement, disability, or death. There has always been a substantial segment of our population that works hard everyday to support themselves and their families, and yet do not have the means to ensure lasting economic security on their own. They do not have the resources to protect against the lost income that comes with old age, disability, or death of a worker. Social Security provides this necessary protection.

Social Security Offers Families Protection

I testified before this Subcommittee on the value of Social Security in March, and I would like to summarize the key points of that testimony because they are vital to any decisions involving the future of the program. The success and popularity of Social Security are based on the fact that it strikes a balance between the complementary goals of individual equity--

providing benefit protection which is related to an individual's contributions--and social adequacy--providing advantages to society as a whole by alleviating poverty and allowing as many citizens as possible to enjoy a reasonable standard of living. In other words, the social adequacy aspects of the program look beyond individual rates of return to how Social Security can benefit society as a whole. These features are designed to provide a measure of financial independence to all workers, including lower paid workers and their families.

As a social insurance program, Social Security spreads the cost of protection against the risk of lost income due to retirement, death, or disability over the entire working population, with more protection, per dollar of earnings, for lower paid workers and for workers with dependents. Consequently, the value of benefits for any given worker depends on his or her individual circumstances--whether the individual has high or low earnings, is married, has children, becomes disabled or dies before retirement, or receives benefits beyond average life expectancy. Many Americans are unaware that Social Security provides dependents' and survivors' benefits that are payable to the families of disabled workers and to survivors of deceased workers. This protection can be extremely valuable, especially for young families that have not been able to sufficiently protect themselves against the risk of the worker's death or disability. One way to gauge the value of Social Security disability benefits is to express them in terms of their value as insurance. The Social Security disability program provides the same value as a \$203,000 disability insurance policy for an average worker with a spouse and two children. Last year, Social Security paid about \$41 billion in benefits to about 6 million disabled workers and family members.

Similar value applies to the Social Security survivor program. Survivor benefits for an average worker are equal to a \$295,000 life insurance policy. Social Security also paid about \$67 billion in benefits to more than 7 million survivors of deceased workers last year, including 3 million children. We tend not to focus on the fact that one-fifth of today's 20-year-old men and one-eighth of today's 20-year-old women will die before retirement.

Social Security has had another important beneficial impact that critics of the program often fail to acknowledge. By dramatically increasing the extent to which retired and disabled workers, their dependents, and survivors of deceased workers are financially independent, Social Security has relieved younger generations of the burden of providing for the financial needs of older relatives at the same time they are trying to raise their own families.

Because Social Security is designed to meet certain social adequacy goals, we should not measure its worth simply by comparing contributions paid and benefits received. Certain features of the program are geared toward meeting broad-based social needs in addition to providing retirees with a specific rate of return.

The basic benefit formula is designed to replace a higher proportion of earnings for low earners than for high earners. This is in part because higher income workers are more likely to have accumulated greater savings or investment income than lower income workers. Also, it assumes that lower earners need to have more of their earnings replaced because they spend a higher proportion of their earnings for basic needs. Such workers generally are not able to accumulate savings or generate investment income to the extent that higher earners can. Also, many low earners have worked in jobs that have not provided pension coverage. Thus, the benefit formula provides lower income workers with a measure of financial independence without the requirement to establish need.

Program Can Fully Meet its Obligations for 33 Years

It is unfortunate that many people do not believe that Social Security will be there for them when they need it. It is there for them today. American workers are provided protection today through disability and survivors benefits. This country and its leaders have supported Social Security throughout its 60-year history, and I have no reason to believe the country will not continue to do so.

As I previously mentioned, the Trustees concluded that we have ample time to carefully consider the actions that must be taken to restore the program's long-term solvency. The size of the deficit can be addressed while preserving the framework of the present program.

Under the Trustees' current estimates, the program will be able to fully meet its benefit obligations for the next 33 years. However, the Trustees also emphasized that it is important to address the Social Security financing issue earlier rather than later. The earlier a bipartisan solution can be achieved, the less dramatic the changes will need to be.

As past successful efforts to reform Social Security have shown, changes to the program should occur based on a bipartisan plan after bipartisan debate and public discussion in the least political context. I have the utmost confidence that agreement will be achieved on a bipartisan basis on the changes necessary to ensure the continuing success of the program.

Public Education Critical to SSA's Success

Educating the American public is critical to achieving a resolution of the long-term solvency issue. An accurate understanding of the facts is needed as the foundation for public discussion. For the past 18 months, I have been traveling around the country, visiting almost 150 cities, to assure senior citizens and young people alike that Social Security is there to protect them today and that support for the program can be expected to continue.

As part of our public education efforts, we have contacted 17,000 secondary school principals from around the country and 15,000 of them have already requested Teacher's Kits. Also, Teacher's Kits have been downloaded over 6,000 times from our Internet site, which has been visited over 93,000 times. The kits use lesson plans, factsheets, handouts, a video, and a teacher's guide to present a comprehensive overview of the program.

We also issue a Personal Earnings and Benefit Estimate Statement (PEBES), so that workers can see exactly how much they have paid into Social Security, and what benefits they can expect when they retire. I know Senator Moynihan deserves much credit for

requiring PEBES mailings. I have had countless people tell me how much they appreciate getting their PEBES, as I travel around the Nation, and how useful it will be in helping them plan their retirement. The people I have met are consistent in their praise of the information provided.

In addition, we launched a multi-media "National Education Campaign" on August 14, 1995, the 60th birthday of Social Security, which includes a series of public service announcements to educate the public about the value of Social Security benefits. These announcements have been distributed to 3,800 newspapers and 5,800 television and radio stations which have donated almost \$4 million in free air time. These spots strive to make the public aware that Social Security is more than a retirement program. Thus, we cannot analyze Social Security's value to young workers' strictly by projecting retirement benefits and return on investment.

Conclusion

Today, we need to replace alarmist rhetoric with reasonable discussion. Over 60 years ago, America was faced with a difficult choice. It made the right choice: our nation believed Social Security was worthwhile and could work.

Just as we did over 60 years ago, we need to work together to reach a consensus on appropriate program changes. The basic Social Security structure that was developed over 60 years ago remains strong. Although we may need to refine the program, we cannot lose sight of the fact that it remains critical to our nation's well-being--keeping people out of poverty and keeping families together. By working together in a bi-partisan manner, we can ensure that this essential element of the Nation's economic structure will remain sound for years to come.

EXECUTIVE OFFICE OF THE PRESIDENT
OFFICE OF MANAGEMENT AND BUDGET
Washington, D.C. 20503-0001

LRM NO: 5209

FILE NO: 2649

7/29/96

LEGISLATIVE REFERRAL MEMORANDUM

Total Page(s): 11**URGENT**

TO: Legislative Liaison Officer - See Distribution below:

FROM: Janet FORSGREN *Janet Forsgren* (for) Assistant Director for Legislative Reference

OMB CONTACT: Melinda HASKINS 395-3923 Legislative Assistant's Line: 395-3923
C=US, A=TELEMAIL, P=GOV+EOP, O=OMB, OU1=LRD, S=HASKINS, G=MELINDA, I=D
haskins_m@a1.eop.gov

SUBJECT: Social Security Administration Proposed Testimony on Status of the Social
Security Old Age and Survivors' (OASDI) and Disability Insurance (DI)
Trust Funds

DEADLINE: 10 AM Tuesday, July 30, 1996

In accordance with OMB Circular A-19, OMB requests the views of your agency on the above subject before
advising on its relationship to the program of the President.

Please advise us if this item will affect direct spending or receipts for purposes of the
"Pay-As-You-Go" provisions of Title XIII of the Omnibus Budget Reconciliation Act of 1990.

COMMENTS: Commissioner Chater is scheduled to give this testimony before the Senate Finance Committee on
August 2nd. Note that it discusses the "privatization" of Social Security.

AGENCIES:

118-TREASURY - Richard S. Carro - 2026221146

EOP:

{ Apfel_K
Cassell_M
Smith_CM
Koskinen_J
Halter_B
Katzen_S
Fitzpatrick_M
Minarik_J
Rodriguez_J
White_B
Fontenot_K
Green_R
Smalligan_J
Filippone_D
Oliven_L
Springer_E
Bernstein_M
OMB-LA
Seidman_E
Brostrom_M
Fortuna_D
Neuwirth_S
Damus_R
Kagan_E
Stigite_A
McConnell_B
Morrall_J
Murr_J
Forsgren_J

URGENT

*Ellen Seidman
Comments*

Mr. Chairman and Members of the Subcommittee:

I appreciate your invitation to discuss the status of Social Security's Old Age and Survivors Insurance (OASI) and Disability Insurance (DI) Trust Funds. In your letter of invitation you asked me to address four questions: what the 1996 report tells us about the current and future state of the trust funds; what has changed from previous reports; how soon I would recommend that Congress take action to restore the program's long-term solvency; and the public education efforts we have undertaken to inform the public about Social Security programs. I plan to address each of these questions in turn.

The 1996 Trustees Report

The 1996 Trustees Report tells us that the assets of the combined funds increased by \$59.7 billion, from \$436.4 billion at the end of December 1994 to \$496.1 billion at the end of December 1995. In 1995, the Social Security trust funds took in \$399.5 billion and paid out \$339.8 billion. Thus, the combined OASI and DI Trust Funds, as well as each fund separately, are adequately financed and meet the short-range test for financial adequacy for the next ten years.

The Trustees also project the status of the trust funds over the next 75 years, the period which is considered long range for program evaluation purposes. The OASI and DI programs are out of actuarial balance for the period ending in 2070. Actuarial balance is essentially the difference between annual income and costs summarized over a given period. If the balance is negative, as it is now, the fund has an actuarial deficit.

The deficit is generally expressed in terms of a percentage of taxable payroll rather than dollars because the value of a dollar changes over time. The deficit in this year's Report for the OASDI program changed very little from last year's Report, rising from 2.17 percent of taxable payroll to 2.19 percent. This means that the OASDI program would be in actuarial balance if the combined employer-employee OASDI tax rate, currently 12.4 percent, were increased by 2.19 percent, as of the beginning of the 75-year projection period.

*As a
technical
matter,*

July 26, 1996

6:00 P.M.

I am pleased to report that, as has been true throughout the program's history, administrative expenses for the OASDI program were extremely small in relation to benefits. Administrative expenses amounted to \$3.1 billion in 1995, or less than 1 percent of benefits paid during the year.

Interest earnings on the invested assets of the combined OASI and DI Trust Funds were \$35 billion in 1995. This represented an effective annual interest rate of 7.8 percent earned by the combined assets during the year. During the same period, the average interest rate on new securities purchased by the trust funds was 6.9 percent.

As you are aware, the Trustees develop three alternative sets of estimates based on varying economic and demographic assumptions to show a range of possibilities regarding the financial conditions of the trust funds. These estimates range from low cost (alternative I) to high cost (alternative III). Alternative II, the intermediate set of assumptions, reflects the Trustees' best estimate of what future experience will be. The projections take into account fertility rates, mortality rates, net immigration rates, productivity increases, unemployment rates, cost of living increases, and other factors, all of which are difficult to predict with very much certainty.

Under the 1996 Trustees Report's intermediate assumptions, annual expenditures from the OASI and DI Trust Funds would become larger than the funds' combined annual tax income in 2012. However, because of interest income, total income would continue to exceed expenditures until 2019. The funds would begin to decline in 2019 and would become exhausted in 2029. Each of these three dates is a year earlier than was estimated in last year's Report. I want to clarify that exhaustion of the trust funds in 2029 would not terminate the Social Security program because continuing payroll taxes and income from taxes on benefits would still cover approximately three-fourths of the full benefit cost at that time.

July 26, 1996

6:00 P.M.

Purpose of Social Security

Social Security has been America's most successful domestic program. Today, Social Security provides benefits to more than 43 million workers and their families. In 1995, an estimated 141 million people worked in jobs covered by the OASDI program and paid OASDI contributions on their earnings, giving them the peace of mind that comes from knowing that they and their families will be protected when they retire or if they should become disabled or die. Nearly 1 in 6 Americans receives Social Security benefits, and 95 percent of Americans have the benefit protection provided by our programs.

Social Security was created during the Great Depression to ensure that working American families had a measure of economic security. It was designed to form the basis upon which workers could, with their own savings and private pensions, build protection for themselves and their families against retirement, disability or death. There has always been a substantial segment of our population that works hard everyday to support themselves and their families, and yet do not have the means to ensure lasting economic security on their own. They do not have the resources to protect against the lost income that come with old age, disability, or death of a worker. Social Security provides this necessary protection.

Social Security Offers Families Protection

I testified before the Subcommittee on the value of Social Security in March, and I would like to summarize the key points of that testimony because they are vital to any decisions involving the future of the program. The success and popularity of Social Security are based on the fact that it strikes a balance between the complementary goals of individual equity--providing benefit protection which is related to an individual's contributions--and social adequacy--providing advantages to society as a whole by alleviating poverty and allowing as many citizens as possible to enjoy a reasonable standard of living. In other words, the social adequacy aspects of the program look beyond individual rates of return to how Social Security can benefit society as a whole. These features are designed to

July 26, 1996

6:00 P.M.

provide a measure of financial independence to all workers, including lower paid workers and their families.

As a social insurance program, Social Security spreads the cost of protection against the risk of lost income due to retirement, death, or disability over the entire working population, with more protection, per dollar of earnings, for lower paid workers and for workers with dependents. Consequently, the value of benefits for any given worker depends on his or her individual circumstances--whether the individual has high or low earnings, is married, has children, becomes disabled or dies before retirement, or receives benefits beyond average life expectancy. Many Americans are unaware that Social Security provides dependents' and survivors' benefits that are payable to the families of disabled workers and to survivors of deceased workers. This protection can be extremely valuable, especially for young families that have not been able to sufficiently protect themselves against the risk of the worker's death or disability. One way to gauge the value of Social Security disability benefits is to express them in terms of their value as insurance. The Social Security disability program provides the same value as a \$203,000 disability insurance policy for an average worker with a spouse and two children. Last year, Social Security paid about \$41 billion in benefits to about 6 million disabled workers and family members. Few people are aware that almost one-third of today's 20-year-olds will become disabled before reaching retirement. 

Similar value applies to the Social Security survivor program. Survivor benefits for an average worker are equal to a \$295,000 life insurance policy. Social Security also paid about \$67 billion in benefits to more than 7 million survivors of deceased workers last year, including 3 million children. Again, we tend not to focus on the fact that one-fifth of today's 20-year-olds will die before retirement.

Social Security has had another important beneficial impact that critics of the program often fail to acknowledge. By dramatically increasing the extent to which retired and disabled workers, their dependents, and survivors of deceased workers are financially independent, Social Security has relieved younger

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6:00 P.M.

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generations of the burden of providing for the financial needs of older relatives at the same time they are trying to raise their own families.

Because Social Security is designed to meet certain social adequacy goals, we should not measure its worth simply by comparing contributions paid and benefits received. Certain features of the program are geared toward meeting broad-based social needs in addition to providing retirees with a specific rate of return.

The basic benefit formula is designed to replace a higher proportion of earnings for low earners than for high earners. This is in part because higher income workers are more likely to have accumulated greater savings or investment income than lower income workers. Also, it assumes that lower earners need to have more of their earnings replaced because they spend a higher proportion of their earnings for basic needs. Such workers generally are not able to accumulate savings or generate investment income to the extent that higher earners can. Also, many low earners have worked in jobs that have not provided pension coverage. Thus, the benefit formula provides lower income workers with a measure of financial independence without the requirement to establish need.

Program Can Fully Meet its Obligations for 33 Years

It is unfortunate that many people do not believe that Social Security will be there for them when they need it. I have been devoting a great deal of time to convincing people that there is simply no reasonable basis for this belief. Therefore, in answer to your third question, I believe that we have the time to carefully consider the actions that must be taken to restore the program's long-term solvency. As I previously mentioned, under current estimates, the program will be able to fully meet its benefit obligations for the next 33 years. In addition, at the end of the 33-year period payroll taxes would be able to pay about three-fourths of benefits because the Social Security trust funds are expected to generate trust fund revenues of more than \$2 trillion in 2029. On the other hand, it is important to address the Social Security financing issue earlier rather than

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later. The earlier a bipartisan solution can be achieved, the less dramatic the changes will need to be. However, I do not believe that, on the eve of a national election, we can reach a bipartisan consensus on this issue as the two parties vie for office.

We all recognize that changes to the program will be required to sustain Social Security in the long term. As past successful efforts to reform Social Security have shown, changes to the program should occur only after bipartisan debate and public discussion. I have the utmost confidence that agreement will be achieved on a bipartisan basis, on the changes necessary to ensure the continuing success of the program.

Public Education Critical to SSA's Success

Educating the American public is critical to achieving a resolution of the long-term solvency issue. An accurate understanding of the facts is needed as the foundation for public discussion. For the past 18 months, I have been traveling around the country, visiting almost 150 cities, talking to senior citizens and young people alike, to reassure the American public that Social Security will be there for them when they need it. As part of our public education efforts, we have developed a Teacher's Kit which has been distributed to more than 17,000 secondary schools around the country. The kits use lesson plans, factsheets, handouts, a video, and a teacher's guide to present a comprehensive overview of the program.

We also issue a Personal Earnings and Benefit Estimate Statement (PEBES), so that workers can see exactly how much they have paid into Social Security, and what benefits they can expect when they retire. I know Senator Moynihan deserves much credit for requiring PEBES mailings. I have had countless people tell me how much they appreciate getting their PEBES, as I travel around the Nation, and how useful it will be in helping them plan their retirement. The people I have met are consistent in their praise of the information provided.

In addition, we launched a multi-media "National Education Campaign" on August 14, 1995, the 60th birthday of Social Security, which includes a series of public service announcements

July 26, 1996

6:00 P.M.

to educate the public about the value of Social Security benefits. These announcements have been distributed to 3,800 newspapers and 5,800 television and radio stations who have donated almost \$4 million in free air time. These spots strive to make the public aware that Social Security is more than a retirement program. Thus, we cannot analyze Social Security's value to young worker's strictly by projecting retirement benefits and return on investment.

Concerns About Proposals to Privatize Social Security

As I have mentioned, a number of proposals have been advanced which would provide for some form of investment of Social Security contributions in the private sector. Proponents of these plans argue that rates of return are higher for funds invested in the private sector than for funds invested in U.S. Government securities.

I support private sector investments such as individual retirement accounts (IRA) as a supplement to private pensions and Social Security benefits, but not as a substitute for Social Security. We should be looking for ways to increase private savings which serve as a supplement to Social Security benefits, so that the basic protection afforded by Social Security is not disturbed.

Aside from my view that the basic structure of Social Security should not be changed, I have other concerns about Social Security privatization proposals which have not been satisfactorily addressed. For example, there would be enormous transition costs resulting from transforming a portion of the current program into a privatized investment program. Since Social Security operates on a temporary partial advance funding basis, the majority of current Social Security revenues are used to pay benefits to current beneficiaries. If workers' Social Security taxes were reduced to allow them to fund personal investment plans, other funding sources for the program would have to be found, after Social Security reserves were exhausted, to support the benefit obligations incurred under the current system.

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In addition, the administration of a partially privatized Social Security program could result in increased administrative costs. As I mentioned, our current administrative expenses are less than 1 percent of benefit payments. While administrative expenses of a privatized investment system would depend on the particular provisions of the system, I can say that administrative expenses of privately managed savings plans are relatively high; estimates range from 15 to 30 percent.

In addition, there are a number of issues that would need to be considered in any discussion of the various plans for privatization. I am concerned that privatization would expose many workers and their families to excessive market risk and could provide poor protection against inflation. Many workers are unfamiliar with investment options and could make unwise decisions. Others might rely on the advice of unknowledgeable or unscrupulous persons and make investment decisions that are not in their best interests. What would happen to these people, many of whom rely on Social Security for most of their income, if their investment in the private sector did not provide an adequate rate of return to meet their needs? Even though Social Security was never intended to be the sole source of income, 16 percent of beneficiaries age 65 and older get all of their income from Social Security. Nevertheless, Social Security has done an excellent job of fulfilling its mission to provide a basic floor of protection for retired workers. Without Social Security, more than 50 percent of elderly Americans would live in poverty.

These figures are a testament to the importance and effectiveness of the current system. In addition, accumulating individual accounts could be spent prior to retirement, leaving no protection after retirement.

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I should also add that there are some voices out there saying that Social Security should be means tested. I strongly disagree. If you say that only persons below a certain income level can receive Social Security, then you break the link between work and benefits that makes the program universally accepted. In addition, means testing would be a disincentive to people to supplement their Social Security benefits through savings and investments. Social Security was never meant to be the sole source of retirement income.

Conclusion

Today, we need to begin talking about Social Security, replacing alarmist rhetoric with reasonable discussion. Over 60 years ago, America was faced with a difficult choice. It made the right choice: our nation believed Social Security was worthwhile and could work.

Social Security can be made solvent for future generations without creating economic turmoil. Just as we did over 60 years ago, we need to work together to reach a consensus on appropriate program changes. The basic Social Security structure that was developed over 60 years ago remains strong. Although we may need to refine the program, we cannot lose sight of the fact that it remains critical to our nation's well-being--keeping people out of poverty and keeping families together. By working together in a bi-partisan manner, we can ensure that this essential element of the Nation's economic structure will remain sound for years to come.

July 26, 1996

6:00 P.M.

Wednesday, June 5, 1996
For Immediate Release



Phil Gambino / Tom Margenau
410-965-8904 Fax 410-966-9973

News Release

SOCIAL SECURITY

SOCIAL SECURITY TRUSTEES RELEASE ANNUAL REPORT

The Social Security Trustees today announced that the Old Age and Survivors Insurance (OASI) and Disability Insurance (DI) Trust Funds, which support benefit payments to more than 43 million Americans, are in good financial condition, and will remain so well into the next century.

The 1996 report concludes that--even with no changes in current law--the combined OASI and DI Trust Funds would be able to continue paying benefits for the next 33 years. According to the Trustees, the assets of the combined funds are estimated to be depleted under present law in 2029. At that time, the Trustees estimate that the OASDI program would still be collecting tax revenues--\$2.2 trillion in 2029 alone--sufficient to cover about 77 percent of annual expenditures.

The Trustees emphasized in the report that it is important to address the issue of Social Security's long-range insolvency within a reasonable period to allow time for phasing in any necessary changes and for workers to adjust their retirement plans to take account of those changes. At the same time, the Board stressed that there is ample time to discuss and evaluate alternative solutions with deliberation and care. They stated that the size of the long-range deficit--2.19 percent of total payroll--is such that long-range balance could be restored within the framework of the present Social Security structure.

Commenting on the release of the report, Social Security Commissioner Shirley S. Chater stated, "This report reinforces the message that we must address the long-range issues facing Social Security, but we are not on the eve of a crisis. There is time to act carefully and wisely in a bipartisan manner to enact reforms in the coming years that will ensure the long-term financial viability of the Social Security program."

The Board of Trustees is required by law to report annually to Congress on the current and estimated future financial condition of the trust funds. The report uses annually updated economic and demographic assumptions, reflecting the Nation's recent experience and available research. Based on their intermediate assumptions, the Trustees also reported the following:

-- MORE --

-- PAGE 2 --

- o Income to Social Security's OASDI trust funds in calendar year 1996 will total about \$425 billion, and outgo will total about \$355 billion.
- o The trust fund reserves, which stood at \$496 billion at the end of calendar year 1995, will, therefore, grow to approximately \$566 billion by the end of calendar year 1996.
- o The trust fund reserves are invested, by law, in government securities. In calendar year 1995, the reserves earned \$32.8 billion in interest at an effective annual rate of 7.8 percent.
- o About 142 million workers in 1996 will be covered by the Social Security program and more than 43 million individuals will receive retirement, disability, and survivors benefit payments each month.

The Board of Trustees is composed of six members, four of whom serve automatically by virtue of their positions in the federal government: Treasury Secretary Robert E. Rubin, who serves as managing trustee, Labor Secretary Robert B. Reich, Health and Human Services Secretary Donna E. Shalala, and Social Security Commissioner Shirley S. Chater. The other two members, Stephen G. Kellison and Marilyn Moon, appointed by the President and confirmed by the Senate, serve four-year terms as public members.

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Note: copies of most SSA press releases, as well as other Social Security information and statistics, are available at SSA's Internet site, **Social Security Online**, at <http://www.ssa.gov>

Wednesday, June 5, 1996
For Immediate Release



Phil Gambino / Tom Margenau
410-965-8904 Fax 410-966-9973

News Release

SOCIAL SECURITY

**Statement of Shirley S. Chater
Commissioner of Social Security**

**The 1996 Annual Board of Trustees Press Conference
June 5, 1996**

The 1996 Board of Trustees Report tells us that the Social Security long-range financial projections are holding steady.

As past and current program beneficiaries can attest, Social Security has always met its beneficiary obligations. And it always will. Even with no changes in current law, Social Security will be able to continue paying benefits for more than three decades into the future.

Specifically, the 1996 Annual Report states that the combined Old-Age and Survivors Insurance and Disability Insurance Trust Funds are rapidly accruing reserves and will be able to meet all benefit obligations through 2029.

The 2029 date is a year earlier than was reported in last year's Trustees Report. But that change is due primarily to a technical correction, and the 2029 date is the same "trust fund exhaustion" date that was reported by the Board of Trustees in 1994.

It is important to note that in 2029, contrary to what many people think, Social Security will not be "broke." Annual tax revenues will be enough to cover 77 percent of annual expenditures.

The fact that the financial situation is now stable does not, of course, alter the fact that some corrective action will have to be taken in the future. We, the Trustees, state in our report that the shortfall must be addressed, but we also state there is "ample time to do so with deliberation and care."

-- MORE --

OPTIONAL FORM 99 (7-96)

FAX TRANSMITTAL

To: Susan
From: Press Office
of pages: 2

-- PAGE 2 --

There is no crisis situation. The Social Security trust funds have enough revenue to meet all beneficiary obligations for the next 33 years. There is time to discuss alternative solutions and to devise an approach that has the full support of the American public.

Social Security is the most successful domestic program in the nation's history. It provides protection against the loss of earnings due to retirement, death, or disability. It covers more than 141 million American workers and pays benefits to more than 43 million beneficiaries. And it represents a financial foundation upon which both older Americans and young families can plan their lives. It has served this country well for sixty years. As Trustees, we urge careful examination and discussion of the Social Security program to ensure that the program will continue to serve all Americans for the next 60 years.

#

FINAL

*A MESSAGE TO THE PUBLIC:**DRAFT 5/31(a)*

Social Security and Medicare are among our most important public programs. As a current or future beneficiary, you should know that Social Security and Medicare have always paid full benefits on time.

Each year we, the Trustees of the Social Security and Medicare trust funds, report in detail on their financial condition. The reports describe their current and projected financial condition, within the next ten years (the "short term") and over the next 75 years (the "long term"). This document is a summary of the 1996 reports.

As we have reported for the last several years, one of the trust funds, the Federal Hospital Insurance (HI) Trust Fund, could be exhausted within five years without legislation that addresses its financial imbalance. Even if the trust fund were depleted, payroll taxes would continue to cover the cost of a significant portion, but only a portion, of benefits.

Nonetheless, any trust fund exhaustion can and should be avoided. We note that both the Administration and the Congress have made proposals to address the short-term HI imbalance. However, no agreement has yet been reached. We urge the earliest possible enactment of legislation to extend the life of the HI trust fund for the near term and thereby provide sufficient time to develop measures for the long-term. Costs of the Supplementary Medical Insurance (SMI) program are also rising rapidly and need to be addressed in the near term. We also recommend creation of an advisory group to help develop long-term options for both the HI and SMI programs.

The Social Security trust funds, though solvent for the next ten years and many years thereafter, are not solvent over the long term. The Federal Old-Age and Survivors Insurance (OASI) Trust Fund, which pays retirement and survivors benefits, will be able to pay full benefits on time for about 35 years. The Federal Disability Insurance (DI) Trust Fund, which pays disability benefits, is projected to pay full benefits until 2015. (These trust funds, too, are supported by payroll taxes, and, if they were ever to become exhausted, continuing tax income would be sufficient to cover about three-fourths of full benefit costs.) The projected financial shortfall in these programs must also be addressed, but there is ample time to do so with deliberation and care.

The timing and magnitude of the financing problems among the four trust funds are distinctly different. We are urging the earliest possible enactment of legislation to further control HI program costs because of the nearness of the HI trust fund exhaustion date. Prompt action in the short-

term will provide sufficient time to assess the changes in our nation's health care system and design solutions to the more serious long-term Medicare financing shortfall. And, while we believe there is ample time to discuss and examine alternative long-term solutions for OASDI, we also recognize that the required changes will be smaller the sooner action is taken.

With proper public discussion and timely legislative action, Social Security and Medicare will continue to play their critical role in the lives of virtually all Americans.

By the Trustees:

*Robert E. Rubin,
Secretary of the Treasury,
and Managing Trustee*

*Robert B. Retch,
Secretary of Labor,
and Trustee*

*Donna E. Shalala,
Secretary of Health
and Human Services,
and Trustee*

*Shirley S. Chater,
Commissioner of
Social Security, and Trustee*

*Stephen G. Kellison,
Trustee*

*Marilyn Moon,
Trustee*

HHS NEWS

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

EMBARGOED UNTIL 2 P.M. EDT
Wednesday, June 5, 1996

Contact: HCFA Press Office
(202) 690-6343

MEDICARE TRUSTEES ISSUE ANNUAL REPORTS

The Medicare trustees today reported that, because expenditures were slightly higher and revenues slightly lower than expected, the estimated depletion of the Hospital Insurance trust fund will occur in the year 2001, based on most probable economic and demographic assumptions.

The projected depletion date is one year earlier than had been forecast by the trustees last year. However, two years ago, the trustees had also projected that the fund would be depleted in 2001.

To address the short-term financial problems facing the Hospital Insurance (HI) trust fund, the trustees recommended the earliest possible enactment of legislation to reduce growth in HI program costs and extend the date of exhaustion of the HI trust fund.

Second, the trustees recommended the establishment of a national advisory group on Medicare reform. This group would develop recommendations for effective solutions to the HI program's long-range financial problems.

HHS Secretary Donna E. Shalala, a trustee, said, "This report confirms what we have long been saying: that Congress and the Administration must join together to enact legislation that prolongs the life of the trust fund and keeps faith with Medicare

- More -

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beneficiaries. As we say in our report, 'prompt, effective, and decisive action is necessary.'"

Treasury Secretary Robert E. Rubin, managing trustee, said: "For the third year running, today's report is a reminder that the Medicare trust fund can and should be strengthened now. The President has offered an effective plan and we want to work with Congress to get this job done."

Shalala and Rubin noted that in 1993, the Administration put forward and the Congress enacted a plan that extended the life of the trust fund by two to three years.

They added that President Clinton has proposed a plan that guarantees the life of the HI trust fund for about a decade -- without imposing new costs on beneficiaries or reducing beneficiary protection under current law.

As part of his comprehensive plan to balance the federal budget, President Clinton has proposed Medicare savings provisions totaling \$124 billion over the next seven years.

The trustees issue annual reports to Congress on the HI and Supplementary Medical Insurance (SMI) trust funds.

Today's HI Trust Fund report said the fund currently does not meet the short-range test of financial adequacy. Income and assets, the trustees said, are not sufficient to support projected expenditures beyond five years, under a set of intermediate cost assumptions.

Last year, it was estimated that the fund would be depleted in 2002. Two years ago, the trustees said depletion would occur in

- More -

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2001, and three years ago, fund depletion was estimated to happen in 1999.

Because trust fund depletion is not an acceptable option, the trustees call for prompt, effective and decisive action to ensure short-term solvency.

Under the worst-case scenario for trust fund depletion, the HI program could continue to pay claims with revenues received each month from the HI payroll tax. Income from the payroll tax and other revenues would be sufficient to pay a significant portion of Medicare expenditures.

Medicare hospital insurance helps pay for care given by hospitals, skilled nursing facilities, hospices and home health agencies. The HI trust fund (Medicare Part A) is financed mainly by the Medicare portion of the Social Security payroll tax. The Medicare payroll tax rate of 2.9 percent consists of equal contributions of 1.45 percent from employers and employees.

The SMI trust fund (Medicare Part B) helps pay for the services of physicians and other health care professionals, outpatient services, independent laboratory services and durable medical equipment. The SMI program is financed mostly by general revenues of the government and by premiums paid by beneficiaries. The 1996 premium is \$42.50 a month, a drop from the 1995 premium of \$46.10 a month.

The trustees said the SMI fund was expected to remain adequately financed for the future. This is because current law provides for automatic increases in beneficiary premiums and government general revenue contributions to meet expected costs.

- More -

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The trustees expressed concern that, in the past five years, SMI program expenditures have grown about 22 percent faster than the overall economy, despite efforts to control SMI costs, and this trend is expected to continue under current law. Another concern, they said, is that premium income after 1998 is projected to cover a smaller fraction of SMI spending. That will shift a greater share of program financing from beneficiaries to the general public.

The trustees urged Congress to take additional actions designed to control SMI costs in the near future and to develop legislative proposals to deal with SMI's long-term problems.

The six-member boards include, in addition to Secretaries Rubin and Shalala, two other trustees who serve automatically because of their positions: Labor Secretary Robert B. Reich and Social Security Commissioner Shirley S. Chater.

Two other members, the public trustees, are appointed by the President with Senate confirmation. The public trustees are Stephen G. Kellison and Marilyn Moon. They serve four-year terms and represent the general public. Bruce C. Vladeck, administrator of the Health Care Financing Administration, serves as secretary to the board of trustees.

###

**FOR RELEASE UPON DELIVERY
WEDNESDAY, JUNE 5, 1996**

***REMARKS BY**

DONNA E. SHALALA

SECRETARY OF HEALTH AND HUMAN SERVICES

SOCIAL SECURITY AND MEDICARE BOARDS OF TRUSTEES

WASHINGTON, D.C.

***THIS TEXT IS THE BASIS OF SECRETARY SHALALA'S ORAL REMARKS.
IT SHOULD BE USED WITH THE UNDERSTANDING THAT SOME MATERIAL MAY
BE ADDED OR OMITTED DURING PRESENTATION.**

GOOD AFTERNOON:

Thank you Secretary Rubin. Thank you Secretary Reich and Commissioner Chater for joining us today.

Let me first say a word to the 36 million Americans who rely on Medicare for their health care. As trustees and as members of the President's Cabinet, we are determined that we will keep our commitments to those who rely on Medicare both now and in the future. And I want to assure you that we will continue to provide the services that senior citizens and Americans living with disabilities need.

There is no reason why we cannot come together and act to preserve Medicare. We have done it before, and we can do it again.

The report we are releasing today does confirm what we have been saying every year since we became Medicare trustees in 1993: The health of the Medicare Hospital Insurance Trust Fund is not strong.

We said it in 1993. We said it in 1994. We said it in 1995. And we are saying it again in 1996.

We are also again saying that these circumstances require action. Action by the Executive Branch. Action by the Legislative Branch. Action by both houses of Congress. And action by both political parties.

As Secretary Rubin has reported to you, the finances of the HI Trust Fund have worsened during the past year. There are three major reasons for this change. First, expenditures for home health care, skilled nursing facility care, and hospice care are rising more rapidly than we had projected. Second, hospitals are billing Medicare more quickly and performing a greater number of more complex medical procedures on elderly patients. And, third, we are taking in slightly less revenue than we had projected when the year began.

These kinds of fluctuations are not uncommon. In fact, two years ago, we also estimated that the HI trust fund would be depleted in 2001. Last year, when the fluctuation went the other way, we moved that back to 2002. Now we are back at 2001.

As trustees, however, our determination has never changed and neither has the urgency of our advice. That's why, in 1993, we insisted on the President's economic plan, which added three years of solvency to the trust fund.

Today's report recommends that two things must be done to further strengthen the Medicare program. First, bipartisan

action must be taken to shore up the HI trust fund in the short term. For nearly a year, the President has had a proposal on the table that would do just that. Second, a solution must be devised that will deal with the long-term solvency of the trust fund. And today, the trustees are calling for the establishment of an independent advisory group to work on such a long-term plan.

Our nation has a long history of bipartisan action to protect the well-being of our citizens -- especially those who are most vulnerable, the elderly and those with disabilities. We remain confident that the leaders of Congress recognize the urgency and the immediacy of the problems at hand and will work with us to resolve our common concerns. Thank you.

BOARD OF TRUSTEES OF THE
FEDERAL HOSPITAL INSURANCE TRUST FUND
WASHINGTON, D.C., JUNE 5, 1996

HONORABLE NEWT GINGRICH
Speaker of the House of Representatives
Washington, D.C.

Dear Mr. Speaker:

On April 6, 1993, in compliance with Section 709 of the Social Security Act, the Board notified each House of the Congress that the reserves of the Hospital Insurance (HI) Trust Fund were expected to be exhausted in 1999. On April 11, 1994, the Board affirmed the 1993 notification with a change in the expected date of exhaustion to 2001. On April 3, 1995, the Board reported that the expected exhaustion date was 2002.

As shown in the 1996 Trustees Report, which we are issuing today, the HI Trust Fund is estimated to be exhausted in 2001. The status of the HI Trust Fund still does not meet the Board's test of short-range financial adequacy.

We urge the Congress to take action soon to further control HI program costs in the near term and extend the life of the HI trust fund. We further recommend the establishment of a national advisory group which would collect and disseminate information and help develop recommendations for effective solutions to the long-term financing problem. A similar letter is being sent to the President of the Senate.

Respectfully,

ROBERT E. RUBIN, Secretary
of the Treasury, and Managing
Trustee of the Trust Funds

ROBERT B. REICH, Secretary
of Labor, and Trustee

DONNA E. SHALALA, Secretary
of Health and Human Services,
and Trustee

SHIRLEY S. CHATER, Commissioner
of Social Security, and Trustee

STEPHEN G. KELLISON, Trustee

MARILYN MOON, Trustee

BRUCE C. VLADECK, Administrator
of the Health Care Financing Administration,
and Secretary, Board of Trustees



EXECUTIVE OFFICE OF THE PRESIDENT
OFFICE OF MANAGEMENT AND BUDGET
WASHINGTON, D.C. 20503

Molly Brostrom

June 5, 1996

MEMORANDUM FOR THE DIRECTOR

THROUGH: Ken Apfel *KA*
FROM: Desiree Filippone and Jack Smalligan *DF* *JH*
SUBJECT: 1996 Social Security OASDI Trustees' Report

The 1996 Annual Trustees' Report for the Social Security OASDI trust funds was signed and released to the public this afternoon. As expected, there were no major changes in the long-term financial health of the OASDI Trust Funds. The Trustees estimate that the combined OASDI trust funds will be solvent until 2029, as compared with 2030 in the 1995 report. Below is a summary of some of the other key issues addressed in the 1996 Trustees' Report including the specific date of insolvency for each individual fund, the CPI adjustment, and the changes in other economic and demographic assumptions.

OASI and DI : Outlays Exceed Income in 16 Years

The Trustees project that the combined OASDI trust funds will be exhausted in 33 years; in the year 2029. This is 1 year sooner than projected in last year's report, and 34 years sooner than was projected after passage of the reforms contained in the 1983 Social Security Amendments. On a cash flow basis, outlays will exceed tax income beginning in 2012.

The 75 year actuarial deficit is estimated to be 2.19% of taxable payroll, compared with 2.17% last year. The actuaries estimate that once the combined OASDI trust funds are exhausted, income will still be large enough to meet about 77% of outgo.

Separately, OASI is projected to run out of funds in 2031. This date has not changed since the 1995 report. DI is projected to run out of funds in 2015. This is one year earlier than projected in the 1995 report.

Consumer Price Index Adjustment

The long-range projections in the report do not factor in the CPI adjustments that the Bureau of Labor Statistics has begun to use. Similarly, the long-range numbers in the report do not reflect the changes in the chain-weighted GDP deflator. There is substantial debate ongoing in regards to the CPI adjustment and the GDP deflator and specifically on what impact the combined changes in the CPI and GDP deflator will have on the real wage differential. It is also unclear whether the CPI reduction could result in a one-for-one increase in the real wage differential.

The actuaries refrained from using the CPI adjustment alone because it potentially would have presented too optimistic of picture for the reality of the trust funds.

The Advisory Council assumes a 0.1% reduction for the December 1996 COLA and a 0.21% reduction for the December 1997 COLAs. These assumptions follow closely with those of BLS. The Advisory Council, however, also assumes that these adjustments will have no impact on the nominal interest and wage rates, resulting in increased real rates. The differences in assumptions on this point could create a sensitive issue as all of the plans that the Advisory Council has been designing would all fall short of achieving a 75 year actuarial balance for the program on account of this difference.

Highlights on Other Economic and Demographic Assumption

No major changes in ultimate economic or demographic assumptions were deemed necessary by the Trustees. The only assumption that changed was life expectancy which increased by half a year. The following table compares the key economic and demographic assumptions used by both the Trustees and the Advisory Council Panel on Assumptions and Methods.

Ultimate Assumptions Intermediate Estimates	1996 Trustees' Report	1996 Advisory Council Panel on Assumptions and Methods
Average Wage in Covered Employment	5.0%	5.0%/4.8%
Consumer Price Index (Annual Percentage Change)	4.0%	4.0%
Real Wage Differential	1.0%	1.0%/0.8%
Unemployment Rate	6.0%	6.0%
Annual Interest Rate	6.3%	6.3%/6.8%
Total Fertility Rate (Children Per Woman)	1.9	1.95
Life Expectancy at birth in 2070 (Combined average for men and women)	81.2 years	80.7 (The Panel recommends less conservative assumptions here. See Below.)
Annual Net Immigration	900,000	900,000

The main differences between the Trustees and the Advisory Council Panel are with the real wage differential, the annual interest rate and the life expectancy. The Advisory Council Panel could not come to agreement on what the numbers for the real wage differential and the annual

interest rate should be. Half agreed with the Trustees and half believed that the real wage differential should be lower and the interest rate higher.

Life Expectancy

On life expectancy, the Advisory Council Panel decided that the Trustees were too conservative and had not accounted for improvements in mortality rates. The Panel stated that the Trustees intermediate assumptions are for a lower rate of mortality improvement than has been experienced in the last 20 years or that is expected to be experienced in the next 90 years. They did not make a specific suggestion for a change in the life expectancy estimate of the Trustees. However, the Panel did suggest that the Trustees review their assumption for life expectancy and take into consideration some of the new academic work that has been done in this field. The Trustees made no changes to their assumptions for mortality in this year's report.

Immigrant Impact on Long-Term Solvency

The level of net immigration can have a significant impact on the long-term financial health of Social Security. The Trustees and the Advisory Council both estimate that immigration will be around 900,000 persons in the years after 2000. This number includes 250,000 other-than-legal immigrants and 650,000 legal immigrants. The 900,000 represents an increase of 300,000 from the 1990 Trustees Report but is the same as the 1995 Report. These numbers reflect the implications from the 1990 Immigration Act that raised the number of legal migrants. If legislative action or other factors reduced immigration rates to 750,000 a year, the actuarial balance could decrease by 0.1% of payroll.

Overall Summary

The slight decrease in the actuarial balance from 2.17% to 2.19% of payroll tax reflects the net affect of many offsetting factors. Legislation enacted in the last year (increase in the earnings test, denying SSDI on the basis of drug addiction and alcoholism, special funding for continuing disability reviews and others) improved the actuarial balance by 0.03% of payroll. Changing the 75 year valuation period to include the year 2070 decreased the balance by 0.08%. Changes in economic assumptions and estimating methods increased the balance by 0.04%.

Trustees Recommendation

"In view of the lack of close actuarial balance in the OASDI program over the next 75 years, we again urge that the long-range deficits of both the OASI and DI Trust Funds be addressed in a timely way. Because the DI Trust Fund is expected to be depleted several years earlier than the OASI Trust Fund, and because DI program growth has fluctuated widely in the past, it is essential that the DI program's future experience be monitored closely. It is important to address both the OASI and DI problems soon to allow time for phasing in any necessary changes and for workers to adjust their retirement plans to take account of those changes. We believe there is ample time to discuss and evaluate alternative solutions with deliberation and care. The size of the long-range deficit is such that long-range balance could be restored within the framework of

the present program. Nonetheless, the magnitude of any required changes will be smaller the sooner they are enacted.”

**1996 ANNUAL REPORT OF
THE BOARD OF TRUSTEES OF THE
FEDERAL HOSPITAL INSURANCE
TRUST FUND**

COMMUNICATION

From

**THE BOARD OF TRUSTEES,
FEDERAL HOSPITAL INSURANCE
TRUST FUND**

Transmitting

**THE 1996 ANNUAL REPORT OF THE BOARD,
PURSUANT TO
SECTION 1817(b) OF THE SOCIAL SECURITY ACT,
AS AMENDED**

LETTER OF TRANSMITTAL

BOARD OF TRUSTEES OF THE
FEDERAL HOSPITAL INSURANCE TRUST FUND
Washington, D.C., June 5, 1996

HONORABLE Newt Gingrich
Speaker of the House of Representatives
Washington, D.C.

HONORABLE Albert Gore, Jr.
President of the Senate
Washington, D.C.

GENTLEMEN:

We have the honor of transmitting to you the 1996 Annual Report of the Board of Trustees of the Federal Hospital Insurance Trust Fund (the 31st such report), in compliance with the provisions of section 1817(b) of the Social Security Act.

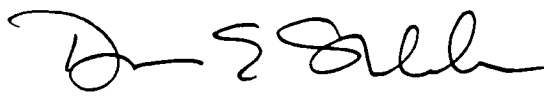
Respectfully,



Robert E. Rubin, *Secretary of the
Treasury, and Managing
Trustee of the Trust Fund.*



Robert B. Reich, *Secretary of Labor,
and Trustee.*



Donna E. Shalala, *Secretary of
Health and Human Services,
and Trustee.*



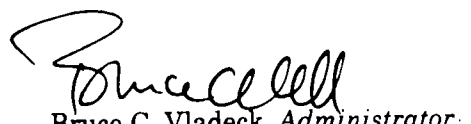
Shirley S. Chater, *Commissioner
of Social Security, and Trustee.*



Stephen G. Kellison, *Trustee.*



Marilyn Moon, *Trustee.*



Bruce C. Vladeck, *Administrator
of the Health Care Financing
Administration, and Secretary,
Board of Trustees.*

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I. OVERVIEW

A. INTRODUCTION

The Hospital Insurance (HI) program, or Medicare Part A, helps pay for hospital, home health, skilled nursing facility, and hospice care for the aged and disabled. The HI program is financed primarily by payroll taxes paid by workers and employers. The taxes paid each year are used mainly to pay benefits for current beneficiaries. Income not currently needed to pay benefits and related expenses is held in the HI trust fund, and invested in U.S. Treasury securities.

The Board of Trustees was established under the Social Security Act to oversee the financial operations of the HI trust fund. The Board is composed of six members. Four members serve by virtue of their positions in the Federal Government: the Secretary of the Treasury who is the Managing Trustee, the Secretary of Labor, the Secretary of Health and Human Services, and the Commissioner of Social Security. The other two members are appointed by the President and confirmed by the Senate to serve as Public Trustees. Stephen G. Kellison and Marilyn Moon began serving on July 20, 1995. The Administrator of the Health Care Financing Administration (HCFA) is designated as Secretary of the Board.

The Social Security Act requires that the Board report to the Congress annually on the financial and actuarial status of the HI trust fund. This 1996 report is the 31st to be submitted. Due to uncertainty about the future, the financial condition of the HI trust fund is examined under three alternative sets of assumptions: "low cost," "intermediate," and "high cost." These alternatives are intended to illustrate a reasonable range of possible outcomes. The intermediate set of assumptions represents the Trustees' best estimate of the expected future economic and demographic trends. The report describes both the near term financial outlook and the longer term outlook throughout a 75-year valuation period.

B. HIGHLIGHTS

The major findings of this report are summarized below. Unless otherwise noted, all estimates are based on the intermediate assumptions.

- In 1995, the HI program provided protection against the costs of hospital and other medical care to over 37 million people. Approximately 22 percent of these individuals received medical services covered by HI during the year and total HI benefits on their behalf amounted to \$116.4 billion.
- HI program expenditures exceeded annual income beginning in calendar year 1995. By drawing down on trust fund assets, the program could continue to pay benefits for several more years. Under intermediate assumptions, the HI trust fund is estimated to be depleted early in 2001.
- There are expected to be 3.5 workers per HI beneficiary when the baby boom generation begins to reach age 65 in 2010. Then the worker/beneficiary ratio is expected to rapidly decline to 2.2 in 2030 as the last of the baby boomers reaches age 65. The ratio is expected to eventually stabilize at around 2 workers per beneficiary.
- HI expenditures are projected to grow rapidly as a fraction of workers' earnings, from 3.4 percent in 1995 to almost 12 percent in 2070. As a fraction of the Gross Domestic Product (GDP), expenditures would grow somewhat more slowly, from 1.6 percent in 1995 to about 5 percent in 2070.
- Projected HI income would meet only a declining share of expenditures under present law. Income is expected to equal 93 percent of expenditures in 1996 and 72 percent in 2001 (when the fund is estimated to be depleted), and would cover less than one-third of costs 75 years from now.
- To address the immediate financial problems facing the HI trust fund, we recommend the earliest possible enactment of legislation to reduce growth in HI program costs and extend the date of exhaustion of the HI trust fund. Prompt, effective, and decisive action is necessary.

Highlights

- The short-term legislative measures recommended above would provide time to develop appropriate means of addressing the HI program's substantial long-term financial imbalance. To facilitate this effort, we recommend establishment of a national advisory group on Medicare Reform. Such a group would help provide critical information needed by the Administration, the Congress, and the American public in the discussion and orderly development of legislative solutions to the HI program's long-range financial problems.

Key HI Data for Calendar Year 1995

- HI covered 33 million aged and 4 million disabled beneficiaries.
- HI benefits amounted to \$116.4 billion, a 13 percent increase over the prior year. Average expenditures per HI enrollee increased by 11 percent to \$3,170.
- Administrative costs were 1 percent of program expenditures.
- Summary of HI trust fund operations in 1995 (in billions):

Fund Assets (12/31/94)	\$132.8
Income	115.0
Expenditures	117.6
Fund Assets (12/31/95)	130.3
Net Change in Assets	-2.6
- Payroll taxes accounted for 86 percent of total HI income. Interest represented 9 percent and revenue from the income taxation of Social Security benefits was another 3 percent.
- Payments for the costs of fee-for-service inpatient hospital care represented 70 percent of HI benefits. Skilled nursing and home health care accounted for another 21 percent of the total. Payments to managed care plans represented another 7 percent and hospice benefits accounted for the final 2 percent.
- HI services were used by 22 percent of beneficiaries.

C. 1995 TRUST FUND FINANCIAL OPERATIONS

Total HI income in calendar year 1995 was \$115.0 billion and total expenditures were \$117.6 billion. The assets of the fund therefore decreased by a net total of \$2.6 billion. As of December 31, 1995 the HI trust fund had \$130.3 billion in assets.

Past Trustees Reports have reported that in the very near future expenditures would exceed income to the HI trust fund. In last year's report, the first year a deficit was estimated to occur was for 1996. Because income to the HI program in 1995 was less than anticipated and expenditures in 1995 were higher than anticipated, a deficit was realized one year earlier.

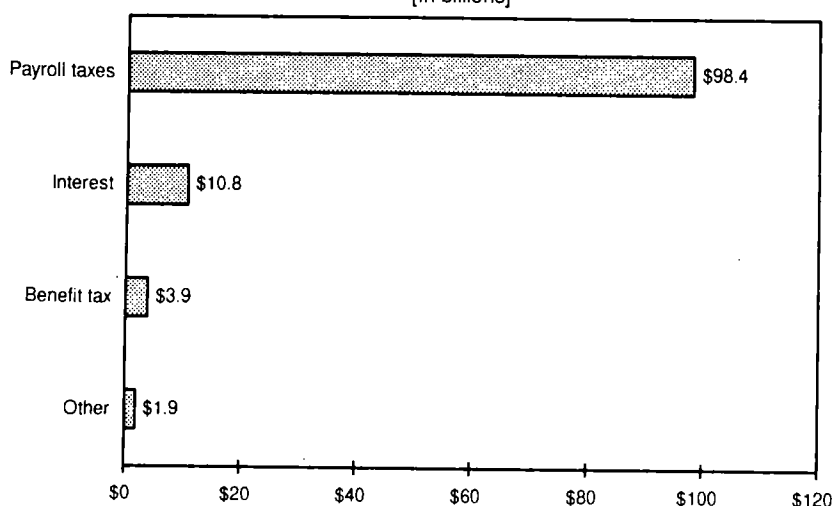
1. Income

The \$115.0 billion in income received by the HI program last year was derived from the following sources:

- Payroll taxes. The primary source of financing for the HI program is the payroll tax on covered earnings. Employees and their employers each pay 1.45 percent of earnings while self-employed workers pay 2.9 percent of their net income. HI payroll taxes amounted to just over \$98.4 billion in calendar year 1995 or 86 percent of total HI income.
- Interest. Interest income of \$10.8 billion was paid in 1995 on the U.S. Treasury securities held by the trust fund. It accounted for 9 percent of HI revenue.
- Taxation of benefits. The Omnibus Budget Reconciliation Act of 1993 increased the maximum proportion of Social Security benefits subject to federal income taxes from 50 percent to 85 percent, effective in January 1994, and specified that the additional tax revenues be deposited in the HI trust fund. In 1995, \$3.9 billion was deposited in the trust fund from taxation of Social Security benefits, accounting for 3 percent of total HI income.
- Other. An additional \$1.9 billion in miscellaneous revenue, representing less than 2 percent of total HI income, was also received in 1995. (See section II.B for a discussion of these items.)

Trust Fund Financial Operations

Figure I.C1.—HI Income in Calendar Year 1995
[In billions]



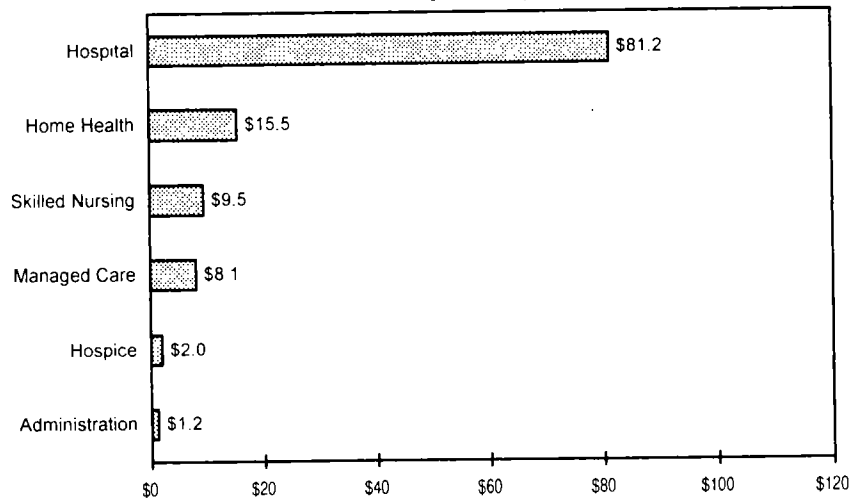
2. Expenditures

The HI fund spent \$117.6 billion in calendar year 1995. The major expenditures were:

- Benefit payments. Almost 99 percent of HI outlays were for benefit payments. About 70 percent of such payments were for fee-for-service inpatient hospital services. Hospital payments have been increasing at about an 8 percent annual rate in recent years. Payments to skilled nursing facilities, home health agencies, managed care plans, and hospices, while much smaller than hospital payments, have been increasing at double digit rates.
- Administrative expenses. Administrative expenses represented about 1 percent of HI outlays during 1995. These expenses included not only federal salaries and related expenses but also funds to support the fiscal intermediaries (generally insurance companies) who assist in administering HI.

Overview

Figure I.C2.—HI Expenditures in Calendar Year 1995
[In billions]



D. ECONOMIC AND DEMOGRAPHIC ASSUMPTIONS

Actual future income and expenditures will depend upon a large number of factors: the size and composition of the population that is receiving benefits, the average cost of health care services, the size and characteristics of the work force covered, and the level of workers' earnings. These factors will depend in turn upon hospital and skilled nursing facility admission rates, home health agency visit rates, future birth rates, death rates, labor force participation rates, disability incidence, wage increases, and many other economic and demographic circumstances affecting the HI program.

To illustrate the uncertainty and sensitivity inherent in estimates of future program operations, projections have been prepared under a "low cost" and a "high cost" set of assumptions in addition to the intermediate assumptions. For simplicity of presentation, much of the analysis in this overview centers on the projections under intermediate assumptions. However, it is important to recognize that actual conditions are very likely to differ from that scenario or any other specific set of assumptions.

Some of the key demographic and economic variables that determine HI costs and income are common to the Old-Age, Survivor's, and Disability Insurance (OASDI) program, the HI program, and the Supplementary Medical Insurance (SMI) program and are explained in detail in the report of the Board of Trustees of the OASDI program. As shown in table I.D1 below, these include changes in the Consumer Price Index (CPI) and wages, real interest rates, fertility rates, and life expectancy. ("Real" indicates that the effects of inflation have been removed.) The assumptions vary, in most cases, from year to year during the first 5 to 25 years before reaching their so-called "ultimate" values for the remainder of the 75-year projection period. These ultimate values are shown in the table below.

Overview

Table I.D1.—Ultimate Assumptions

	Intermediate	Low Cost	High Cost
Annual percentage change in:			
Consumer Price Index (CPI)	4.0	3.0	5.0
Average wage in covered employment	5.0	4.5	5.5
Real wage differential (percent)	1.0	1.5	0.5
Real interest rate (percent)	2.3	3.0	1.5
Fertility rate (children per woman)	1.9	2.2	1.6
Life expectancy in 2070 (in years):			
Male	78.4	73.0	82.3
Female	84.1	79.3	88.0

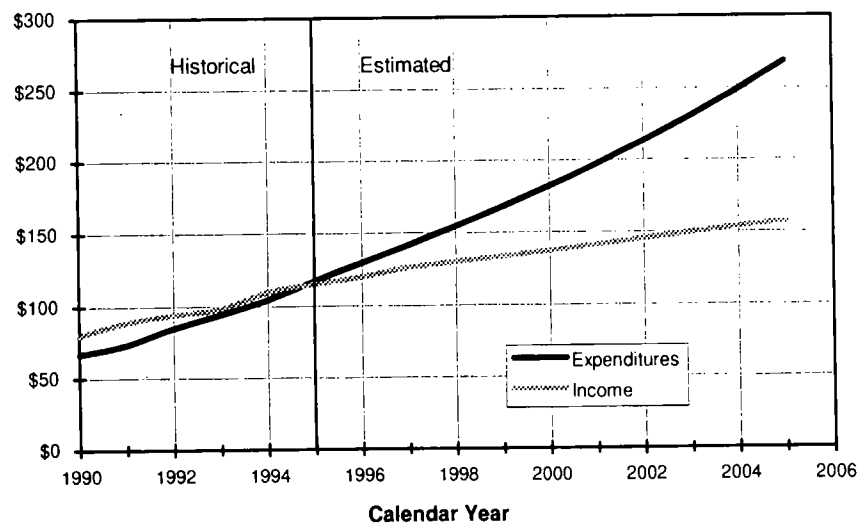
Other assumptions are specific to the HI program. One critical assumption is the rate of increase in the cost of health care services. Under the intermediate assumptions, the rate of increase in the cost per unit of service during the initial 25-year period is assumed to decline gradually from the current level to the same growth rate that is projected for average hourly earnings and then to continue at that rate for the following 50 years. For the high cost assumptions, the annual increase in program costs (relative to taxable payroll) during the initial 25-year period is assumed to be two percent greater than under the intermediate assumptions. Under low cost assumptions, the increase during the same period is assumed to be two percent less than under intermediate assumptions. The two percent differentials for the high and low assumptions are assumed to decline gradually until 2045 when the same rate of increase in program costs (relative to taxable payroll) is assumed for all three sets of assumptions.

While it is reasonable to assume that actual trust fund experience will fall within the range defined by the three alternative sets of assumptions, no definite assurance can be given in light of the wide variations in experience that have occurred since the beginning of the program. In general, a greater degree of confidence can be placed in the assumptions and estimates for the earlier years than for the later years. Nonetheless, even for the earlier years, the estimates are only an indication of the expected trend and the general range of future program experience.

E. 10-YEAR ACTUARIAL ANALYSIS (1996-2005)

The short-range financial status of the HI trust fund is unsatisfactory. Expenditures are projected to increase at an average rate of 8.6 percent annually under the intermediate assumptions, while the tax income to pay for HI benefits is increasing at an estimated average rate of only 5.3 percent. This difference in growth rates caused expenditures to exceed income in 1995. The deficit is estimated to continue to grow each year so that by 2005 under intermediate assumptions there would be a \$111 billion shortfall in that year alone.

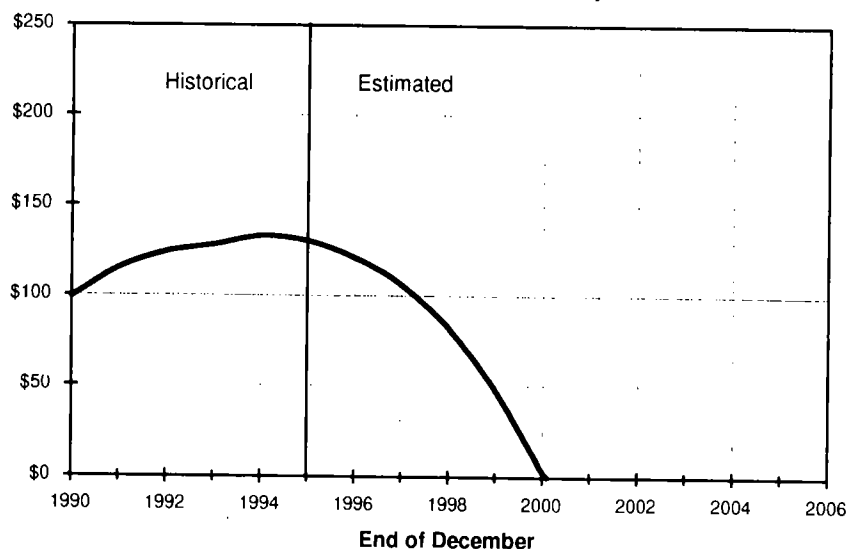
Figure I.E1.—HI Expenditures and Income
[In billions]



Under present law, the HI program would still be able to pay benefits for the next several years because it can draw upon the current \$130 billion trust fund. Without corrective legislation, however, the assets would progressively decline until becoming exhausted early in calendar year 2001. To the extent that actual future conditions vary from the intermediate assumptions, the date of depletion would vary significantly from this estimate.

Overview

Figure I.E2.—HI Trust Fund Assets
[Assets at end of year, in billions]



At the beginning of 1996, HI assets exceeded the level of annual expenditures by a slight amount. The Board of Trustees has recommended that assets be maintained at a level at least equal to annual expenditures, to serve as an adequate contingency reserve in the event of adverse economic or other conditions. This represents a more stringent standard than just maintaining a positive balance. The availability of trust fund assets as a contingency reserve enables program operations to continue despite deficits such as those expected to occur in the immediate future, thereby allowing time for policymakers to develop and implement legislative solutions.

Table I.E1 presents the projected operations of the HI trust fund under the intermediate assumptions for the next decade. Based on this projection, the Board of Trustees applies an explicit test of short-range financial adequacy. This test, which is described in section II.D of this report, is not met by the HI trust fund.

Table I.E1.—Estimated Operations of the HI Trust Fund Under Intermediate Assumptions, Calendar Years 1995-2005

[Dollar amounts in billions]

Calendar year	Total income	Total expenditures	Change in fund	Fund at year end	Ratio of assets to expenditures ¹ (percent)
1995 ²	\$115.0	\$117.6	-\$2.6	\$130.3	113
1996	120.3	129.5	-9.2	121.0	101
1997	126.7	141.7	-15.0	106.1	85
1998	130.2	154.5	-24.3	81.8	69
1999	133.8	168.0	-34.1	47.6	49
2000	137.5	182.2	-44.7	3.0	26
2001	141.2	197.2	-56.0	-53.0 ³	2
2002	145.5	213.1	-67.6	-120.7 ³	-25
2003	149.5	230.2	-80.7	-201.4 ³	-52
2004	153.4	248.7	-95.3	-296.7 ³	-81
2005	157.2	268.3	-111.1	-407.8 ³	-111

¹Ratio of assets in the fund at the beginning of the year to expenditures during the year.²Figures for 1995 represent actual experience.³Estimates for 2001 and later are hypothetical, since the HI trust fund would be exhausted in those years.

Note: Totals do not necessarily equal the sums of rounded components

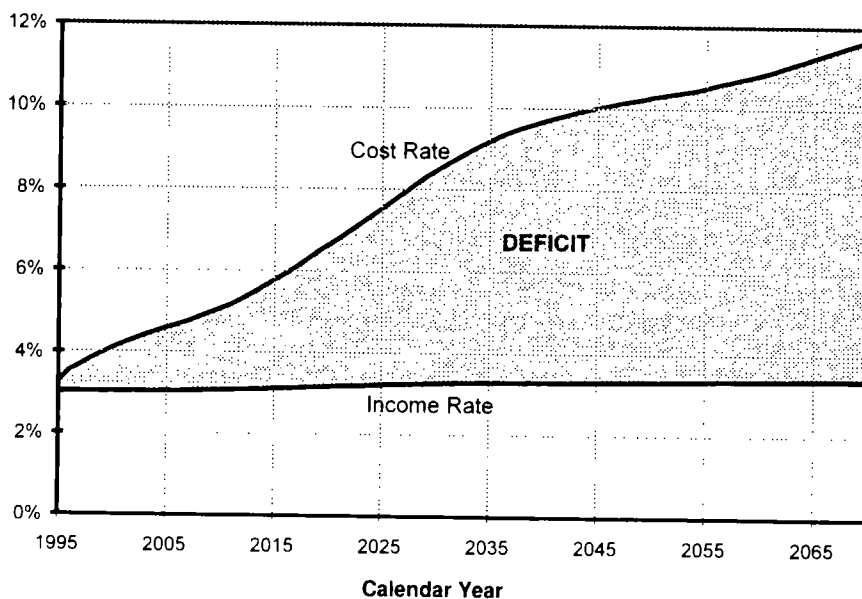
As shown in table I.E1, the assets of the HI trust fund would be depleted early in 2001 under the intermediate assumptions. Under the low cost assumptions, trust fund depletion would occur later in 2001. Under the high cost assumptions depletion would occur in mid-2000. The fact that exhaustion would occur under a broad range of future economic conditions, and is estimated to occur in the relatively near future, indicates the urgency of addressing the HI trust fund's financial imbalance through legislation.

F. 75-YEAR ACTUARIAL ANALYSIS (1996-2070)

Each year estimates of the financial and actuarial status of the HI program are prepared for the next 75 years. Although financial estimates for periods as long as 75 years are inherently uncertain, the results can provide valuable information for use by policymakers. In particular, such estimates can indicate whether the program—as seen from today’s vantage point—is considered to be in satisfactory financial condition.

Income and expenditure amounts are shown relative to the earnings in covered employment that are taxable under the HI program—referred to as “taxable payroll”—because of the difficulty in comparing dollar values for different periods without some type of relative scale. The ratio of tax income (including both payroll taxes and income from taxation of Social Security benefits) to taxable payroll is called the “income rate” and the ratio of expenditures to taxable payroll is the “cost rate.”

Figure I.F1.—Long-Range HI Income and Cost as a Percentage of Taxable Payroll, Intermediate Assumptions

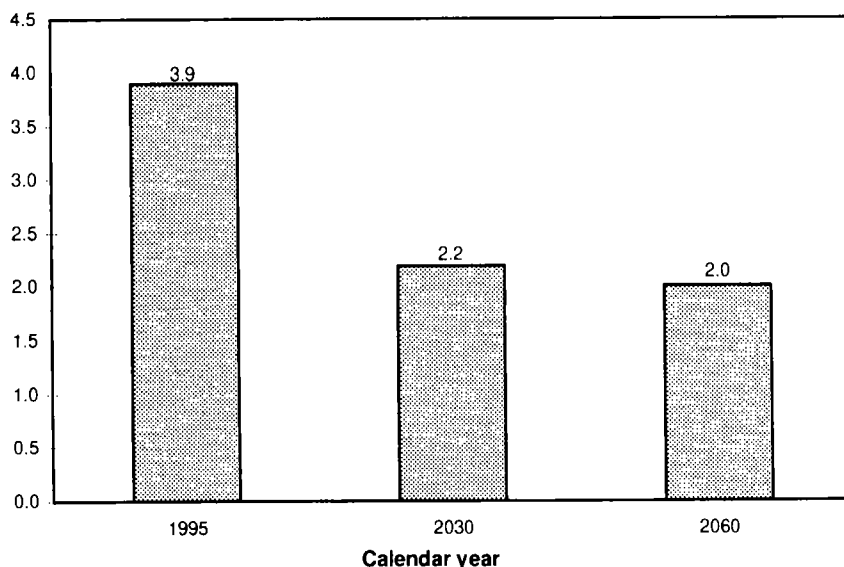


The HI program is severely underfunded over the next 75 years. Income rates are projected to remain fairly steady while cost rates sharply

escalate between 2010 and 2030 and continue to increase throughout the period.

Since HI payroll tax rates are not scheduled to change in the future under present law, payroll tax income as a percentage of taxable payroll will remain constant at 2.90 percent. Income from taxation of benefits will increase only gradually as a greater proportion of Social Security beneficiaries become subject to such taxation over time. Thus the income rate is not expected to increase significantly over current levels.

Figure I.F2.—Workers Per HI Beneficiary
[Based on intermediate assumptions]



The cost rates, though, will sharply escalate due to the retirement of those born during the 1945-1965 baby boom. For the most part, current benefits are paid for by current workers. The retirement of the baby boom generation will therefore be financed by the relatively small number of persons born after the baby boom. For example, in 1995 there are 37 million beneficiaries with 144 million workers to support them. In 2030 as the last baby boomer turns 65, there would be an estimated 78 million beneficiaries with 170 million workers to support them. This means that every beneficiary in 1995 has 3.9 workers to pay for their HI benefit, but in 2030 there would be only about 2.2 workers. The ratio would then continue to decline until there are only 2 workers per beneficiary by 2060.

Overview

The year-by-year cost rates and income rates can be summarized into single values representing, in effect, the average value over a given period. (Section II and section III.E describe how these summarized values are calculated.) The difference between the summarized income and cost rates is called the “actuarial balance” and it shows a deficit ranging between 1.7 to 9.7 percent of taxable payroll over the 75-year period. The actuarial balance has traditionally been used as a convenient single measurement to summarize the financial status of the program. It can be interpreted as the amount of change in the tax rate which would be required to bring the program into balance if no other changes were made. (See section II for details and limitations of summary measures.)

Based on the intermediate assumptions, an actuarial balance deficit of 4.52 percent of taxable payroll is projected for the 75-year period, representing the difference between the summarized income rate of 3.21 percent and the corresponding cost rate of 7.72 percent. To correct this large deficit, the 2.90 percent payroll tax (for employees and employers combined) would have to be immediately increased to 7.42 percent or expenditures would have to be reduced by a corresponding amount (or some combination of such changes). The HI program thus fails by an extremely wide margin the Trustees’ long-range test—discussed in section II—which is based on the actuarial balance. The test is even failed under the low cost assumptions. The fact that the trust fund is projected to be in deficit under a broad range of economic and demographic assumptions reinforces the importance of addressing the long-range imbalance through corrective legislation.

G. CONCLUSION

The HI program remains severely out of financial balance. As we have since 1992, we must report that the HI trust fund does not meet even our short-range test of financial adequacy. Moreover, income and assets are insufficient to support projected program expenditures beyond 5 years under the intermediate assumptions. Thus, without corrective legislation soon, the fund would be exhausted shortly after the turn of the century—initially producing payment delays, but very quickly leading to a curtailment of health care services to beneficiaries.

The long-range outlook also remains extremely unfavorable. The trust fund fails by a wide margin to meet our long-range test of close actuarial balance, which is based on the intermediate assumptions. It would fail the long-term test even using the more favorable economic and demographic conditions assumed for the “low cost” scenario. To bring the HI program into actuarial balance, over just the next 25 years under the intermediate assumptions, would require either that outlays be reduced by 39 percent or that income be increased by 63 percent (or some combination of the two) throughout this 25-year period. That is, the current HI payroll tax of 1.45 percent (for employees and employers, each) would have to be immediately raised to about 2.43 percent, or benefits reduced by a comparable amount.

We should note that steps have been taken to reduce the rate of growth in payments to hospitals, including the implementation in 1983 of the prospective payment system for most hospitals. Experience to date suggests that this reimbursement mechanism, together with subsequent payment limitation provisions enacted by the Congress, has helped to constrain the growth in hospital payments while encouraging increased operating efficiencies. Additional measures of this type could partially address the short-range financing concerns. For example, extension of a prospective payment system to other providers of HI services, and further legislation to limit payment increases to all HI providers, could help reduce expenditure growth rates. However, further legislation will be necessary over the next several years to insure payment of HI benefits over the next decade.

Moreover, substantially stronger steps will be needed to prevent trust fund depletion after 2010 as the baby boom generation reaches age 65 and starts receiving benefits. At that time, the ratio of workers to HI beneficiaries, currently about 4 to 1, is projected to begin declining rapidly to a ratio of about 2 to 1.

Overview

The HI trust fund's projected exhaustion by 2001 dictates prompt, effective, and decisive action. We have called for this action in the past, and the situation is even more critical today. Both the President and the Congress have made proposals that address the imminent HI trust fund shortfall. We recommend the earliest possible enactment of legislation to further control HI program costs and thereby extend the life of the HI trust fund.

This is, however, only a first step in what must be a longer-term process to achieve a balance between HI costs and funding. To help monitor and develop a process for long-term reform, we recommend the establishment of a national advisory group to examine the Medicare program. The advisory group would collect and disseminate information and help develop recommendations for effective solutions to the long-term financing problem. This work will be of critical importance to the Administration, the Congress and the American public in the extensive national discussion that any changes would require.

The nation's health care system is changing rapidly. The performance of alternative modes of treatment and service delivery over the next few years, in both quality and cost, should provide new information that will contribute to better legislative decisions regarding the long-range outlook for HI. Thus, if timely and effective action is taken, we believe solutions will be found that can restore and maintain the financial integrity of the HI program.

II. ACTUARIAL ANALYSIS

A. MEDICARE AMENDMENTS SINCE THE 1995 REPORT

Since the 1995 Annual Report was transmitted to Congress on April 3, 1995, one law affecting the HI program has been enacted. The Senior Citizens' Right to Work Act of 1996 (Title I of Public Law 104-121, enacted into law on March 29, 1996) included a number of provisions affecting the HI program. The more important provisions, from an actuarial standpoint, are described in the following paragraphs.

- Eligibility to disability insurance benefits, and therefore HI benefits, is prohibited for individuals whose drug addiction and/or alcoholism is a contributing factor material to the finding of disability. This provision applies to individuals who file for benefits on or after March 29, 1996 and to individuals whose claims are finally adjudicated on or after this date. The provision also becomes effective for current beneficiaries on January 1, 1997, after notification within 90 days following enactment. New medical determinations must be completed by January 1, 1997, for current beneficiaries who are affected and who request a determination within 120 days after the date of enactment.
- Additional funds are authorized for fiscal years (FY) 1996 through 2002 for the purpose of conducting continuing disability reviews of disability insurance beneficiaries. The funds made available under this provision are to be used, to the greatest extent practicable, to maximize the combined savings to the OASDI, Supplementary Security Income, HI, SMI, and Medicaid programs.

B. NATURE OF THE TRUST FUND

The Federal Hospital Insurance Trust Fund was established on July 30, 1965, as a separate account in the United States Treasury. All the financial operations of the HI program are handled through this fund.

The primary source of income to the trust fund is amounts appropriated to it under permanent authority on the basis of taxes paid by workers, their employers, and individuals with self-employment income, in work covered by the HI program. The coverage of the HI program includes workers covered under the OASDI program, those covered under the Railroad Retirement program, and certain federal, state, and local employees not otherwise covered under the OASDI program.

Actuarial Analysis

All employees and their employers in employment covered by the program are required to pay taxes on the wages of individual workers, including cash tips. All covered self-employed persons are required to pay taxes on their self-employment income.

In general, for calendar years prior to 1994, an individual's tax contributions were computed on annual wages or self-employment income, or both wages and self-employment income combined, up to a specified maximum annual amount. The maximum amount of earnings on which taxes were payable in a year is called the maximum tax base. The maximum tax base has been eliminated effective January 1, 1994; consequently, HI taxes are now payable on a covered individual's total wages and self-employment income, without limit.

The HI tax rates applicable to taxable earnings in each of the calendar years 1966 and later are shown in table II.B1. For 1997 and later, the tax rates shown are the rates scheduled in the provisions of present law. The tax bases for 1966-1993 are also shown.

Table II.B1.—Tax Rates and Maximum Tax Bases

Calendar years	Maximum tax base	Tax rate (Percent of taxable earnings)	
		Employees and employers, each	Self- employed
Past experience:			
1966	\$6,600	0.35	0.35
1967	6,600	0.50	0.50
1968-71	7,800	0.60	0.60
1972	9,000	0.60	0.60
1973	10,800	1.00	1.00
1974	13,200	0.90	0.90
1975	14,100	0.90	0.90
1976	15,300	0.90	0.90
1977	16,500	0.90	0.90
1978	17,700	1.00	1.00
1979	22,900	1.05	1.05
1980	25,900	1.05	1.05
1981	29,700	1.30	1.30
1982	32,400	1.30	1.30
1983	35,700	1.30	1.30
1984	37,800	1.30	2.60
1985	39,600	1.35	2.70
1986	42,000	1.45	2.90
1987	43,800	1.45	2.90
1988	45,000	1.45	2.90
1989	48,000	1.45	2.90
1990	51,300	1.45	2.90
1991	125,000	1.45	2.90
1992	130,200	1.45	2.90
1993	135,000	1.45	2.90
1994-96	no limit	1.45	2.90
Scheduled in present law:			
1997 & later	no limit	1.45	2.90

All taxes are collected by the Internal Revenue Service and deposited in the general fund of the Treasury as internal revenue collections. The taxes received are automatically appropriated, on an estimated basis, to the trust fund. The exact amount of taxes received is not known initially since HI taxes, OASDI taxes, and individual income taxes are not separately identified in collection reports received by the Treasury Department. Periodic adjustments are subsequently made to the extent that the estimates are found to differ from the amounts of taxes actually payable on the basis of reported earnings.

Since 1984, up to one-half of an individual's or couple's OASDI benefits has been subject to federal income taxation under certain circumstances, and the proceeds from this taxation have been allocated to the OASI and DI trust funds. Beginning in 1994, the maximum percentage of OASDI benefits so taxed is increased under certain circumstances, from 50

Actuarial Analysis

percent to 85 percent, and the revenue attributable to this increased portion of benefits subject to taxation is allocated to the HI trust fund.

Another substantial source of trust fund income is interest credited from investments in government securities held by the fund. The investment procedures of the fund are described later in this section.

The income and expenditures of the trust fund are also affected by the provisions of the Railroad Retirement Act which provide for a system of coordination and financial interchange between the Railroad Retirement program and the HI program. This financial interchange states that the Railroad Board and the Secretary of Health and Human Services (HHS) determine a transfer which would place the HI trust fund in the same position in which it would have been if railroad employment had always been covered under the Social Security Act.

Sections 217(g) and 229(b) of the Social Security Act, prior to modification by the Social Security Amendments of 1983, authorized annual reimbursement from the general fund of the Treasury to the HI trust fund for costs arising from the granting of deemed wage credits for military service prior to 1957, according to quinquennial determinations made by the Secretary of HHS. These sections, as modified by the Social Security Amendments of 1983, provided for a lump-sum transfer in 1983 for costs arising from such wage credits. In addition, the lump-sum transfer included amounts equivalent to the combined employer-employee HI taxes that would have been paid on the noncontributory wage credits for military service after 1965 and before 1984, if such credits had been counted as covered earnings. After 1983, general fund transfers equivalent to HI taxes on military wage credits are credited to the fund on July 1 of each year. The Social Security Amendments of 1983 also provided for (1) quinquennial adjustments to the lump-sum amount transferred in 1983 for costs arising from pre-1957 deemed wage credits and (2) adjustments as deemed necessary to any previously transferred amounts representing HI taxes on noncontributory wage credits.

Two sections of the statute authorize HI benefits for certain uninsured persons aged 65 and over. Section 103 of the Social Security Amendments of 1965 provided entitlement to HI benefits to almost all persons aged 65 and over, or near that age, when the HI program began operations. Section 278 of the Tax Equity and Fiscal Responsibility Act of 1982 added similar transitional entitlement for those federal employees who would retire before having a chance to earn sufficient quarters of Medicare-qualified federal employment. The costs of such

Nature of the Trust Fund

coverage, including administrative expenses, are paid initially from the HI trust fund, with subsequent reimbursement from the general fund of the Treasury.

Section 1818 of the Social Security Act provides that certain persons not eligible for HI protection either on an insured basis or on the uninsured basis described in the previous paragraph may obtain protection by enrolling in the program and paying a monthly premium.

Section 201(I) of the Social Security Act authorizes the Managing Trustee to accept and deposit in the trust fund unconditional money gifts or bequests made for the benefit of the fund or any activity financed through the fund.

Expenditures for benefit payments and administrative expenses under the HI program are paid from the trust fund. All expenses incurred by the Department of HHS, the Social Security Administration (SSA), and the Treasury Department in carrying out the provisions of Title XVIII of the Social Security Act pertaining to the HI program and of the Internal Revenue Code relating to the collection of taxes are charged to the trust fund. The Secretary of HHS certifies benefit payments to the Managing Trustee, who makes the payments from the trust fund.

The Social Security Amendments of 1967 and 1972 authorize the Secretary of HHS to develop and conduct a broad range of experiments and demonstration projects designed to determine various methods of increasing efficiency and economy in providing health care services, while maintaining the quality of such services, under the HI and SMI programs. A sizable portion of the costs of such experiments and demonstration projects is paid from the HI and SMI trust funds, with the remainder funded through general revenues.

Congress has authorized expenditures from the trust funds for construction, rental and lease, or purchase contracts of office buildings and related facilities for use in connection with the administration of the HI program. Both the capital costs of construction financed directly from the trust fund and the rental and lease, or purchase contract costs of acquiring facilities are included in trust fund expenditures. Whatever the manner of acquisition, the net worth of facilities and other fixed capital assets is not carried in the statement of the assets of the trust fund presented in this report. This is because the value of fixed capital assets does not represent funds available for benefit or administrative expenditures and, therefore, is not viewed as being a consideration in assessing the actuarial status of the funds.

Actuarial Analysis

That portion of the trust fund which, in the judgment of the Managing Trustee, is not required to meet current expenditures for benefits and administration, is invested, on a daily basis, primarily in interest-bearing obligations of the U.S. Government (including special public-debt obligations described below). Investments may also be made in obligations guaranteed as to both principal and interest by the United States, including certain federally sponsored agency obligations that are designated in the laws authorizing their issuance as lawful investments for fiduciary and trust funds under the control and authority of the United States or any officer of the United States. These obligations may be acquired on original issue at the issue price or by purchase of outstanding obligations at their market price.

The Social Security Act authorizes the issuance of special public-debt obligations for purchase exclusively by the trust fund. The law requires that such special public-debt obligations shall bear interest at a rate based on the average market yield (computed on the basis of market quotations as of the end of the calendar month next preceding the date of such issue) on all marketable interest-bearing obligations of the United States forming a part of the public debt which are not due or callable until after the expiration of 4 years from the end of such month.

From December 29, 1981, until January 1, 1988, the Social Security Act authorized borrowing among the OASI, DI, and HI trust funds when necessary "to best meet the need for financing the benefit payments" from the three funds. Interfund loans under the borrowing authority were made to the OASI trust fund from the DI and HI trust funds in 1982, and were fully repaid by May 1986. Currently, no further provision for interfund borrowing exists.

C. SUMMARY OF THE OPERATIONS OF THE TRUST FUND, FISCAL YEAR 1995

A statement of the revenue and disbursements of the Federal Hospital Insurance Trust Fund in fiscal year 1995, and of the assets of the fund at the beginning and end of the fiscal year, is presented in table II.C1.

The total assets of the trust fund amounted to \$129,555 million on September 30, 1994. During fiscal year 1995, total revenue amounted to \$114,847 million, and total disbursements were \$114,883 million. Total assets thus decreased by \$36 million during the year to \$129,520 million on September 30, 1995.

Summary of the Operations

Table II.C1.—Statement of Operations of the HI Trust Fund During Fiscal Year 1995
[In thousands of dollars]

Total assets of the trust fund, beginning of period	\$129,555.290
Revenue:	
Appropriation of employment taxes	\$98,052.603
Deposits arising from State agreements	399
Income from taxation of OASDI benefits	3,913.000
Interest on investments	10,834.209
Premiums collected from voluntary participants	998.453
Transfer from Railroad Retirement account	358.500
Reimbursement, transitional uninsured coverage	462.000
Military service credits of 1995	61.440
Reimbursement, program management general fund	129.758
Interest on reimbursements, SSA ¹	-17
Interest on reimbursements, HCFA ¹	-1,315
Interest on reimbursements, Railroad Retirement	37,563
Other	863
Total revenue	<u>\$114,847.456</u>
Disbursements:	
Benefit payments	\$113,583.252
Administrative expenses:	
Treasury administrative expenses	45,078
Salaries and expenses, SSA ²	474,617
Salaries and expenses, HCFA ³	763,779
Salaries and expenses, Office of Secretary	9,006
Payment Assessment Committee	3,967
Agency for Health Care Policy and Research	3,478
Total disbursements	<u>\$114,883.177</u>
Total assets of the trust fund, end of period	<u>\$129,519.570</u>

¹A positive figure represents a transfer to the HI trust fund from the other trust funds. A negative figure represents a transfer from the HI trust fund to the other trust funds.

²For facilities, goods, and services provided by SSA.

³Includes administrative expenses of the intermediaries.

Note: Totals do not necessarily equal the sums of rounded components.

Included in total revenue during fiscal year 1995 was \$98,053 million representing taxes appropriated to the trust fund. In addition, \$0.4 million was transferred to the trust fund from State and local governments representing residual payments from previous State agreements for coverage of State and local government employees.

Total HI payroll tax income amounted to \$98,053 million, representing an increase of 6.5 percent over the amount of \$92,028 million for the preceding 12-month period. This growth in tax income resulted primarily from (1) the higher level of earnings in covered employment and (2) the increase in the maximum annual amount of earnings taxable from \$135,000 to no limit that became effective January 1, 1994.

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Income from the taxation of OASDI benefits, as described in section II.B, amounted to \$3,913 million in fiscal year 1995.

Section II.B referred to provisions under which the HI trust fund is to be reimbursed from the general fund of the Treasury for costs of paying benefits under this program on behalf of certain uninsured persons. The reimbursement in fiscal year 1995 amounted to \$462 million (\$406 million for the non-federal uninsured and \$56 million for the federal uninsured), consisting of \$458 million for benefit payments and \$4 million for administrative expenses.

Section II.B referred to provisions of the Social Security Act under which certain persons not otherwise eligible for HI protection may obtain such protection by enrolling in the program and paying a monthly premium. Premiums collected from such voluntary participants in fiscal year 1995 amounted to about \$998 million.

In accordance with the provisions of the Railroad Retirement Act, a transfer of about \$358 million in principal and \$21 million in interest from the Railroad Retirement program's Social Security Equivalent Benefit Account to the HI trust fund balanced the two systems as of September 30, 1994, as described in section II.B. This amount, together with interest to the date of transfer amounting to about \$17 million, was transferred to the trust fund in June 1995.

In accordance with provisions for the appropriation to the trust fund of amounts equivalent to HI taxes on 1995 noncontributory military wage credits as discussed in section II.B, the trust fund was credited on July 1, 1995 with \$61 million.

The remaining \$10,963 million of revenue consisted almost entirely of interest credited from the investments held by the trust fund.

Of the \$114,883 million in total disbursements, \$113,583 million represented benefits paid directly from the trust fund for health services covered under Title XVIII of the Social Security Act. Benefit payments increased 11.9 percent in fiscal year 1995 over the corresponding amount of \$101,535 million paid during the preceding 12 months.

The remaining \$1,300 million of disbursements was for net administrative expenses. Administrative expenses are allocated and charged directly to each of the four trust funds—OASI, DI, HI, and SMI—on the basis of provisional estimates. Similarly, the expenses of administering other programs of HCFA are also allocated and charged

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directly to the general fund of the Treasury on a provisional basis. Periodically, as actual experience develops and is analyzed, the allocations of administrative expenses and costs of construction for prior periods are adjusted by interfund transfers. This adjustment includes transfers between the HI and SMI trust funds and the program management general fund account, with appropriate interest allowances.

Table II.C2 compares the actual experience in fiscal year 1995 with the estimates presented in the 1994 and 1995 annual reports. A number of factors can contribute to differences between estimates and subsequent actual experience. In particular, actual values for key economic and other variables can differ from assumed levels, and legislative and regulatory changes may be adopted subsequent to a report's preparation. The comparison in table II.C2 indicates that actual HI tax income was somewhat lower than estimated in the 1994 and 1995 Trustees Reports. The difference is attributable primarily to (1) growth in covered wages and salaries that was slower than had been assumed, and (2) lower revenue gains from the elimination of the HI maximum contribution base than had previously been estimated.

Actual HI benefit payments in fiscal year 1995 were substantially higher than estimated in the 1995 annual report, primarily as a result of (1) more prompt billing by hospitals and other health care providers in 1995 for services rendered, and (2) a greater increase in the average complexity of Medicare hospitalizations than had been estimated. The estimate from the 1994 annual report was reasonably close to the actual benefit amount.

**Table II.C2.—Comparison of Actual and Estimated Operations of the HI Trust Fund,
Fiscal Year 1995**
[Dollar amounts in millions]

Item	Comparison of actual experience with estimates for fiscal year 1995 published in--				
	1995 report			1994 report	
	Actual amount	Estimated amount ¹	Actual as percentage of estimate	Estimated amount ¹	Actual as percentage of estimate
Payroll tax	\$98,053	\$99,748	98	\$100,200	98
Benefit payments	\$113,583	\$110,284	103	\$112,580	101

¹Under the intermediate assumptions.

Table II.C3 shows the total assets of the fund and their distribution at the end of fiscal years 1994 and 1995. The assets of the HI trust fund at

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the end of fiscal year 1994 totaled \$129,555 million, consisting of \$128,716 million in the form of obligations of the U.S. Government and an undisbursed balance of \$840 million. The assets of the HI trust fund at the end of fiscal year 1995 totaled \$129,520 million, consisting of \$129,864 million in the form of U.S. Government obligations and an undisbursed balance of -\$345 million.

Table II.C3.—Assets of the HI Trust Fund, by Type, at the End of Fiscal Years 1994 and 1995¹

	September 30, 1994	September 30, 1995
Investments in public debt obligations sold only to the trust funds (special issues):		
Certificates of indebtedness:		
6 1/2-percent, 1996	-----	\$261,668,000.00
7 1/4-percent, 1995	\$868,196,000.00	-----
Bonds:		
6 1/4-percent, 1996	363,197,000.00	-----
6 1/4-percent, 1997-2008	12,543,299,000.00	12,543,299,000.00
6 1/2-percent, 1997-2010	-----	12,469,115,000.00
7 1/4-percent, 1996	225,130,000.00	-----
7 1/4-percent, 1997-2009	11,474,808,000.00	11,474,808,000.00
7 3/8-percent, 1996	867,961,000.00	-----
7 3/8-percent, 1997-2007	16,864,537,000.00	16,864,537,000.00
8 1/8-percent, 1996	901,273,000.00	-----
8 1/8-percent, 1997-2006	15,428,429,000.00	15,428,429,000.00
8 3/8-percent, 1996	1,059,024,000.00	-----
8 3/8-percent, 1997-2001	7,262,933,000.00	7,262,933,000.00
8 5/8-percent, 1995-1996	1,037,574,000.00	-----
8 5/8-percent, 1997-2002	6,626,654,000.00	6,626,654,000.00
8 3/4-percent, 1995	2,185,752,000.00	-----
8 3/4-percent, 1996-2005	30,317,401,000.00	28,728,116,000.00
9 1/4-percent, 1995	1,034,541,000.00	-----
9 1/4-percent, 1996-2003	11,471,735,000.00	11,471,735,000.00
9 3/4-percent, 1995	979,670,000.00	-----
10 3/8-percent, 1998-2000	2,131,610,000.00	2,131,610,000.00
10 3/4-percent, 1998	588,410,000.00	588,410,000.00
13 -percent, 1995	197,606,000.00	-----
13 -percent, 1996	1,177,276,000.00	1,177,276,000.00
13 1/4-percent, 1995	272,853,000.00	-----
13 1/4-percent, 1996-1997	1,722,982,000.00	1,722,982,000.00
13 3/4-percent, 1998-1999	1,112,678,000.00	1,112,678,000.00
Total investments	\$128,715,529,000.00	129,864,250,000.00
Undisbursed balance ²	839,761,323.57	-344,680,248.92
Total assets	\$129,555,290,323.57	129,519,569,751.08

¹Certificates of indebtedness and bonds are carried at par value, which is the same as book value.

²The unusually large undisbursed balance as of September 30, 1994, was due to the receipt of employment taxes on that day which were not subsequently invested until the next business day. The negative figure for September 30, 1995, represented an extension of credit against securities to be redeemed within the following few days.

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New securities at a total par value of \$124,461 million were acquired during the fiscal year through the investment of revenue and the reinvestment of funds made available from the redemption of securities. The par value of securities redeemed during the fiscal year was \$123,312 million. Thus, the net increase in the par value of the investments held by the fund during fiscal year 1995 amounted to \$1,149 million.

The effective annual rate of interest earned by the assets of the HI trust fund during the 12 months ending on December 31, 1995, was 8.5 percent. Interest on special issues is paid semiannually on June 30 and December 31. The interest rate on public-debt obligations issued for purchase by the trust fund in June 1995 was 6.5 percent, payable semiannually.

D. EXPECTED OPERATIONS AND STATUS OF THE TRUST FUND

The Social Security Act requires the Board of Trustees to report annually to the Congress on the operations and status of the HI trust fund during the preceding fiscal year, as was addressed in the preceding section, and on the expected operations and status of the trust fund during the current and next 2 fiscal years. In this section, estimates of the operations and financial status of the trust fund for the next 10 years are presented. The Act also requires that the annual report include a statement of the actuarial status of the trust fund, and that requirement is fulfilled in the next section. In both this and the next section, no changes are assumed to occur in the present statutory provisions and regulations under which the HI program operates.

The estimates shown in this section provide useful information concerning the short-range financial status of the trust fund. The estimated levels of future income and outgo, annual differences between income and outgo, and annual trust fund balances are explained and examined in this section. Two particularly important short-range solvency measures for the HI trust fund, the estimated year of exhaustion and the test of short-range financial adequacy, are also discussed.

Estimates are shown under three alternative sets of assumptions, to illustrate the sensitivity of future program costs to different economic and demographic trends. The sets of assumptions used are intended to portray a reasonable range of possible future trends. Due to the uncertainty inherent in such projections, however, the actual operations

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of the HI trust fund in the future could differ significantly from these estimates.

The expected operations of the HI trust fund during fiscal years 1996 to 2005, together with the past experience of the program, are shown in table II.D1. The estimates shown in this table are based on the intermediate set of assumptions. The assumptions underlying the intermediate projections are presented in section II.F of this report.

The increases in estimated income shown in table II.D1 primarily reflect increases in payroll tax income to the trust fund. As noted previously, the primary source of financing for the HI program is the payroll tax on covered earnings paid by employees, employers, and self-employed workers. While the payroll tax rate is scheduled to remain constant, covered earnings are assumed to increase in every year through the year 2005 under the intermediate assumptions. These increases in taxable earnings are due primarily to projected increases in the number of workers covered by the program and in the average earnings of these workers.

Over the next 10 years, most of the smaller sources of financing for the HI trust fund increase as well. These income sources include income from the taxation of OASDI benefits, transfers from the Railroad Retirement program, and premium income for other noninsured persons who voluntarily enroll in the program. Transfers from general revenue to reimburse the program for the cost of providing HI benefits to certain noninsured persons are decreasing. Transfers made from general revenue to reimburse the HI trust fund for the costs associated with certain military wage credits are projected to remain constant over the short-range period, with the exception of the lump-sum transfer to be made in fiscal year 1996, as provided for by law. More detailed descriptions of these sources of income can be found in section II.B.

Interest earnings have been a significant source of income to the trust fund, and have indeed ranked second only to payroll taxes, for many years. It is important to note that as the trust fund continues the decline it has already begun, with disbursements increasing more rapidly than income, the assets held by the trust fund will be redeemed to pay its obligations. In the absence of corrective legislation, interest earnings would therefore diminish rapidly, and eventually cease to exist as a source of income for the HI program.

Disbursements for benefits are projected to increase in fiscal years 1996 to 2005, primarily as a result of the increases in hospital payment rates

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and hospital admissions under the program, and do so at a faster rate than income to the program. The expenditures for benefit payments shown in table II.D1 differ somewhat from those shown in the President's proposed 1997 Federal Budget. The estimates shown in this report are based on more recent demographic and economic projections, and they do not reflect the implementation of proposed changes in laws and regulations which were included in the budget. The expenditures for benefit payments shown in this section are based on the assumption that for fiscal years 1997 and later, the prospective payment rates will be increased in accordance with Public Law 103-66, the Omnibus Budget Reconciliation Act of 1993; for fiscal year 1996, the prospective payment rates have already been determined in accordance with the same statute.

The actual operations of the HI program are organized, in general, on a calendar year basis. Earnings subject to taxation and the applicable tax rates are established by calendar year, as are the inpatient hospital deductible and other cost-sharing amounts. The projected operations of the trust fund on a calendar year basis are shown in table II.D2, according to the same assumptions as used in table II.D1. The projected rapid depletion of the HI trust fund can be seen in both tables.

Table II.D1.—Operations of the HI Trust Fund During Fiscal Years 1970-2005

[In millions]													
Fiscal year ¹	Income								Disbursements			Trust fund	
	Payroll taxes	Income from taxation of benefits	Railroad retirement account transfers	Reimbursement for uninsured persons	Premiums from voluntary enrollees	Payments for military wage credits	Interest and other income ²	Total Income	Benefits payments ³	Administrative expenses ³	Total disbursements	Net increase in fund	Fund at end of year
Historical Data:													
1970	\$4,785	--	\$64	\$617	--	\$11	\$137	\$5,614	\$4,804	\$149	\$4,953	\$661	\$2,677
1975	11,291	--	132	481	\$6	48	609	12,568	10,353	259	10,612	1,956	9,870
1980	23,244	--	244	697	17	141	1,072	25,415	23,790	497	24,288	1,127	14,490
1985	46,490	--	371	766	38	86	3,182	50,933	47,841	813	48,654	4,103 ⁵	21,277
1986	53,020	--	364	566	40	-714 ⁶	3,167	56,442	49,018	667	49,685	17,370 ⁷	38,648
1987	57,820	--	368	447	40	94	3,982	62,751	49,967	836	50,803	11,949	50,596
1988	61,901	--	364	475	42	80	5,148	68,010	52,022	707	52,730	15,281	65,877
1989	67,527	--	379	515	42	86	6,567	75,116	57,433	805	58,238	16,878	82,755
1990	70,655	--	367	413	113	107	7,908	79,563	65,912	774	66,687	12,876	95,631
1991	74,655	--	352	605	367	-1,011 ⁸	8,969	83,938	68,705	934	69,638	14,299	109,930
1992	80,978	--	374	621	484	86	10,133	92,677	80,784	1,191	81,974	10,703	120,633
1993	83,147	--	400	367	622	81	12,484 ⁹	97,101	90,738	866	91,604	5,497	126,131
1994	92,028	\$1,639	413	506	852	80	10,676	106,195	101,535	1,235	102,770	3,425	129,555
1995	98,053	3,913	396	462	998	61	10,963	114,847	113,583	1,300	114,883	-36	129,520
Intermediate Estimates:													
1996	104,433	3,976	412	419	1,100	-2,298 ¹⁰	10,375	118,417	125,250	1,327	126,577	-8,160	121,360
1997	109,620	4,331	412	481	1,224	66	9,519	125,653	137,199	1,407	138,606	-12,953	108,407
1998	114,416	4,623	406	265	1,348	64	8,151	129,273	149,720	1,488	151,208	-21,935	86,472
1999	120,498	4,927	403	206	1,475	64	6,166	133,739	162,994	1,572	164,566	-30,827	55,645
2000	126,897	5,260	406	170	1,612	63	3,447	137,855	176,889	1,663	178,552	-40,697	14,948
2001	133,033	5,627	416	160	1,759	63	45	141,103	191,664	1,759	193,423	-52,320	-37,372
2002	140,213	6,022	429	151	1,918	63	-3,735	145,061	207,204	1,862	209,066	-64,005	-101,377
2003	147,916	6,459	443	143	2,088	63	-8,224	148,888	223,885	1,976	225,861	-76,973	-178,350
2004	155,968	6,936	459	148	2,275	63	-13,439	152,410	241,878	2,098	243,976	-91,566	-269,916
2005	166,620	7,447	476	151	2,466	63	-19,030	158,193	261,050	2,228	263,278	-105,085	-375,001

¹Fiscal years 1970 and 1975 consist of the 12 months ending on June 30 of each year; fiscal years 1980 and later consist of the 12 months ending on September 30 of each year.

²Other income includes recoveries of amounts reimbursed from the trust fund which are not obligations of the trust fund and a small amount of miscellaneous income.

³Includes costs of Peer Review Organizations (beginning with the implementation of the Prospective Payment System on October 1, 1983).

⁴Includes costs of experiments and demonstration projects.

⁵Includes repayment of loan principal from the OASI trust fund of \$1.824 million.

⁶Includes the lump-sum general revenue adjustment of -\$805 million, as provided for by section 151 of P.L. 98-21.

⁷Includes repayment of loan principal from the OASI trust fund of \$10,613 million.

⁸Includes the lump-sum general revenue adjustment of -\$1,100 million, as provided for by section 151 of P.L. 98-21.

⁹Includes \$1.805 million transfer from the SMI catastrophic coverage reserve fund, as provided for by P.L. 102-394.

¹⁰Includes -\$2,366 million preliminary estimate of the lump-sum general revenue adjustment provided for by section 151 of P.L. 98-21.

Note: Totals do not necessarily equal the sums of rounded components. Estimates shown for 2001 and later are hypothetical, since the HI trust fund would be exhausted in those years.

Table II.D2.—Operations of the HI Trust Fund During Calendar Years 1970-2005
(In millions)

Calendar year	Income								Disbursements			Trust fund	
	Payroll taxes	Income from taxation of benefits	Railroad retirement account transfers	Reimbursement for uninsured persons	Premiums from voluntary enrollees	Payments for military wage credits	Interest and other income ¹	Total Income	Benefits payments ²	Administrative expenses	Total disbursements	Net increase in fund	Fund at end of year
Historical Data:													
1970	\$4.881	--	\$66	\$863	--	\$11	\$158	\$5,979	\$5,124	\$157	\$5,281	\$698	\$3,202
1975	11,502	--	138	621	\$7	48	664	12,980	11,315	266	11,581	1,399	10,517
1980	23,848	--	244	697	18	141	1,149	26,097	25,064	512	25,577	521	13,749
1985	47,576	--	371	766	41	-719 ⁴	3,362	51,397	47,580	834	48,414	4,808 ⁵	20,499
1986	54,583	--	364	566	43	91	3,619	59,267	49,758	664	50,422	19,458 ⁵	39,957
1987	58,648	--	368	447	38	94	4,469	64,064	49,496	793	50,289	13,775	53,732
1988	62,449	--	364	475	41	80	5,830	69,239	52,517	815	53,331	15,908	69,640
1989	68,369	--	379	515	55	86	7,317	76,721	60,011	792	60,803	15,918	85,558
1990	72,013	--	367	413	122	-993 ⁷	8,451	80,372	66,239	758	66,997	13,375	98,933
1991	77,851	--	352	605	432	89	9,510	88,839	71,549	1,021	72,570	16,269	115,202
1992	81,745	--	374	621	522	86	10,487	93,836	83,895	1,121	85,015	8,821	124,022
1993	84,133	--	400	367	675	81	12,531 ⁸	98,187	93,487	904	94,391	3,796	127,818
1994	95,280	\$1,639	413	506	907	80	10,745	109,570	103,282	1,263	104,545	5,025	132,844
1995	98,421	3,913	396	462	954	61	10,820	115,027	116,368	1,236	117,604	-2,577	130,267
Intermediate Estimates:													
1996	106,568	3,976	412	419	1,131	-2,298 ⁹	10,073	120,281	128,171	1,346	129,517	-9,236	121,031
1997	111,139	4,331	412	481	1,255	66	8,987	126,671	140,224	1,428	141,652	-14,981	106,050
1998	116,141	4,623	406	265	1,379	64	7,302	130,180	152,964	1,508	154,472	-24,292	81,758
1999	121,814	4,927	403	206	1,507	64	4,928	133,849	166,373	1,594	167,967	-34,118	47,640
2000	128,056	5,260	406	170	1,647	63	1,913	137,515	180,488	1,685	182,173	-44,658	2,982
2001	134,806	5,627	416	160	1,796	63	-1,652	141,216	195,464	1,783	197,247	-56,031	-53,049
2002	142,131	6,022	429	151	1,959	63	-5,304	145,451	211,201	1,888	213,089	-67,638	-120,687
2003	150,182	6,459	443	143	2,131	63	-9,885	149,536	228,223	2,005	230,228	-80,692	-201,379
2004	158,725	6,936	459	148	2,323	63	-15,299	153,355	246,526	2,129	248,655	-95,300	-296,679
2005	168,213	7,447	476	151	2,514	63	-21,661	157,203	266,023	2,261	268,284	-111,081	-407,760

¹Other income includes recoveries of amounts reimbursed from the trust fund which are not obligations of the trust fund and a small amount of miscellaneous income.

²Includes costs of Peer Review Organizations (beginning with the implementation of the Prospective Payment System on October 1, 1983).

³Includes costs of experiments and demonstration projects.

⁴Includes the lump-sum general revenue adjustment of -\$805 million, as provided for by section 151 of P.L. 98-21.

⁵Includes repayment of loan principal from the OASI trust fund of \$1.824 million.

⁶Includes repayment of loan principal from the OASI trust fund of \$10,613 million.

⁷Includes the lump-sum general revenue adjustment of -\$1,100 million, as provided for by section 151 of P.L. 98-21.

⁸Includes \$1,805 million transfer from the SMI catastrophic coverage reserve fund, as provided for by P.L. 102-394.

⁹Includes -\$2,366 million preliminary estimate of the lump-sum general revenue adjustment provided for by section 151 of P.L. 98-21.

Note: Totals do not necessarily equal the sums of rounded components. Estimates shown for 2001 and later are hypothetical, since the HI trust fund would be exhausted in those years.

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Projected trust fund operations are shown beyond the point of asset depletion, but it is important to remember that under present law there is no authority to pay program benefits if the assets of the trust fund are depleted. In practice, benefits could not be paid until additional trust fund income was subsequently received. Initially, this would cause a delay in reimbursing hospitals and other health care providers for the services delivered to HI beneficiaries. The length of the delay would increase very rapidly, however, quickly reaching a point where providers would be unable to continue providing care to beneficiaries. Thus, the imminent depletion of the HI trust fund must be treated as a very grave consequence and corrected through legislation as soon as possible.

Since future economic, demographic, and health care usage and cost experience may differ considerably from the intermediate assumptions on which the cost estimates shown in tables II.D1 and II.D2 were based, projections have also been prepared on the basis of two different sets of assumptions, labeled "Low Cost" and "High Cost." The three sets of assumptions were selected in order to illustrate the sensitivity of program costs to different economic and demographic trends, and to provide an indication of the uncertainty associated with financial projections for the HI program. The low cost and high cost alternatives provide for a fairly wide range of possible experience. While actual experience may be expected to fall within the range, no assurance can be made that this will be the case, particularly in light of the wide variations in experience that have occurred since the beginning of the program. The assumptions used in preparing projections under the low cost and high cost alternatives, as well as under the intermediate assumptions, are discussed more fully in section II.F of this report.

The estimated operations of the HI trust fund during calendar years 1995 to 2005, for total program income and disbursements under all three alternatives, are summarized in table II.D3. The trust fund ratio, defined as the ratio of assets at the beginning of the year to disbursements during the year, was 113 percent for 1995. Under the intermediate assumptions, the trust fund ratio is projected to decline steadily, and the fund is completely exhausted early in 2001. Under the low cost alternative, the trust fund would be exhausted later in 2001, while under the high cost alternative exhaustion would occur in mid-2000. These projections do not reflect any reduction in disbursements due to proposed changes in legislation or regulation which were included in the 1997 Federal Budget but which have not been enacted or implemented.

Expected Operations

As with tables II.D1 and II.D2, projected trust fund operations are shown beyond the point of asset depletion, to indicate the trends in future income and expenditures and to help illustrate the magnitude of the future deficits.¹ It is important to remember, however, that under present law there is no authority to pay HI benefits if the assets of the HI trust fund are depleted.

The projections in table II.D3 indicate that without corrective legislation, the assets of the HI trust fund would probably be exhausted within the next 4 to 5 years. The fact that exhaustion would occur under a broad range of future economic conditions, and is expected to occur in the very near future, indicates the urgency of addressing the HI trust fund's financial imbalance.

The Board of Trustees has established an explicit test of short-range financial adequacy. The requirements of this test are as follows: If the HI trust fund ratio is at least 100 percent at the beginning of the projection period (as it was at the beginning of 1996), then it must be projected to remain at or above 100 percent throughout the 10-year projection period; alternatively, if the fund ratio is initially less than 100 percent, it must be projected to reach a level of at least 100 percent within 5 years (and not be depleted at any time during this period) and then remain at or above 100 percent throughout the remainder of the 10-year period. This test is applied to trust fund projections made under the intermediate assumptions.

Failure of the trust fund to meet this test is an indication that the solvency of the program over the next 10 years is in question and that action is needed to improve the short-range financial adequacy of the program. As can be seen from table II.D3, this short-range test is not met. Under the intermediate assumptions, the trust fund ratio falls below the 100-percent level during 1996 and the trust fund is exhausted within 5 years.

¹ These hypothetical fund operations are estimated based on an underlying assumption that the HI trust fund could *borrow* amounts from the general fund of the Treasury on the same terms that it normally *lends* reserve assets to the general fund (through the purchase of special-issue Treasury securities.) Thus, the hypothetical, post-depletion operations of the trust fund are calculated on a mirror-image basis to the normal investment procedures.

Actuarial Analysis

Table II.D3.—Estimated Operations of the HI Trust Fund During Calendar Years 1995-2005, Under Alternative Sets of Assumptions
[Dollar amounts in billions]

Calendar year	Total income	Total disbursements	Net increase in fund	Fund at end of year	Ratio of assets to disbursements ¹ (percent)
Intermediate:					
1995 ²	\$115.0	\$117.6	\$-2.6	\$130.3	113
1996	120.3	129.5	-9.2	121.0	101
1997	126.7	141.7	-15.0	106.0	85
1998	130.2	154.5	-24.3	81.8	69
1999	133.8	168.0	-34.1	47.6	49
2000	137.5	182.2	-44.7	3.0	26
2001	141.2	197.2	-56.0	-53.0 ³	2
2002	145.5	213.1	-67.6	-120.7 ³	-25
2003	149.5	230.2	-80.7	-201.4 ³	-52
2004	153.4	248.7	-95.3	-296.7 ³	-81
2005	157.2	268.3	-111.1	-407.8 ³	-111
Low Cost:					
1995 ²	\$115.0	\$117.6	\$-2.6	\$130.3	113
1996	120.7	129.4	-8.7	121.6	101
1997	128.4	140.3	-11.9	109.7	87
1998	133.3	151.9	-18.6	91.1	72
1999	138.7	163.9	-25.2	65.9	56
2000	144.3	176.2	-31.9	34.0	37
2001	149.7	188.7	-39.0	-5.0 ³	18
2002	155.2	201.1	-45.9	-50.9 ³	-2
2003	160.7	213.8	-53.1	-104.0 ³	-24
2004	166.1	227.0	-60.9	-164.9 ³	-46
2005	171.9	240.6	-68.7	-233.7 ³	-69
High Cost:					
1995 ²	\$115.0	\$117.6	\$-2.6	\$130.3	113
1996	119.1	129.5	-10.3	119.9	101
1997	122.3	141.9	-19.6	100.3	85
1998	127.1	157.7	-30.6	69.7	64
1999	130.4	174.1	-43.7	26.1	40
2000	131.3	190.3	-59.0	-33.0 ⁴	14
2001	135.6	210.3	-74.7	-107.7 ⁴	-16
2002	139.7	232.4	-92.6	-200.3 ⁴	-46
2003	142.8	255.8	-113.0	-313.3 ⁴	-78
2004	144.9	281.3	-136.4	-449.7 ⁴	-111
2005	146.5	309.0	-162.4	-612.2 ⁴	-146

¹Ratio of assets in the fund at the beginning of the year to disbursements during the year.

²Figures for 1995 represent actual experience.

³Estimates for 2001 and later are hypothetical, since the HI trust fund would be exhausted in those years.

⁴Estimates for 2000 and later are hypothetical, since the HI trust fund would be exhausted in those years.

Note: Totals do not necessarily equal the sums of rounded components.

The ratios of assets in the HI trust fund at the beginning of each calendar year to total disbursements during that year are shown in table II.D4 for all past years since the beginning of the program. Figure II.D1 shows these historical trust fund ratios and the projected ratios under the three sets of assumptions. Figure II.D2 shows end-of-year trust

Expected Operations

fund balances for historical years and for projected years under the three sets of assumptions. On both figures, the labels "I", "II", and "III" indicate projections under the low cost, intermediate, and high cost alternatives, respectively. Both figures graphically illustrate the severity of the HI trust fund's financial inadequacy.

Table II.D4.—Ratio of Assets at the Beginning of the Year to Disbursements During the Year for the HI Trust Fund

Calendar year	Ratio
1967	28%
1968	25
1969	43
1970	47
1971	54
1972	47
1973	40
1974	69
1975	79
1976	77
1977	66
1978	57
1979	54
1980	52
1981	45
1982	52
1983	20
1984	29
1985	32
1986	41
1987	79
1988	101
1989	115
1990	128
1991	136
1992	136
1993	131
1994	122
1995	113

Actuarial Analysis

Figure II.D1.—HI Trust Fund Balance at Beginning of Year as a Percentage of Annual Expenditures

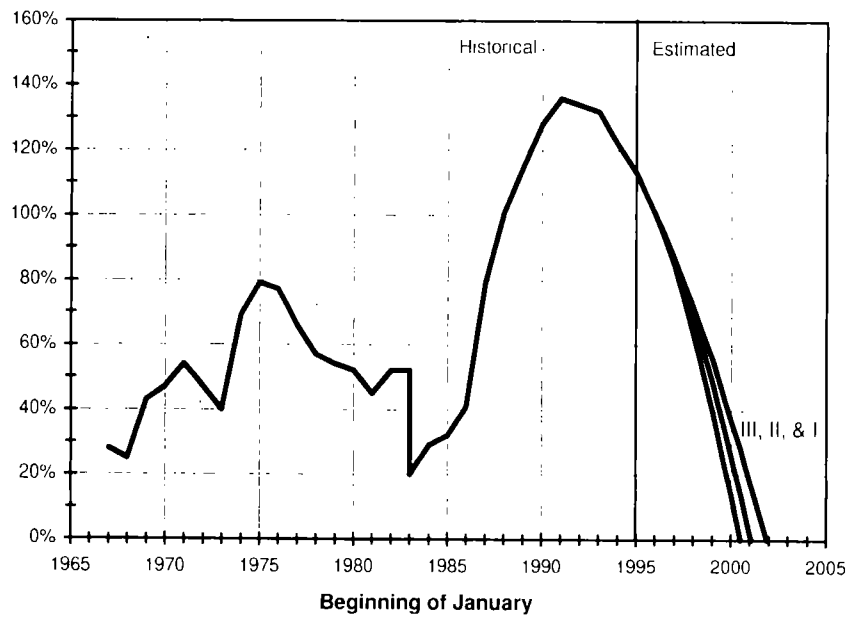
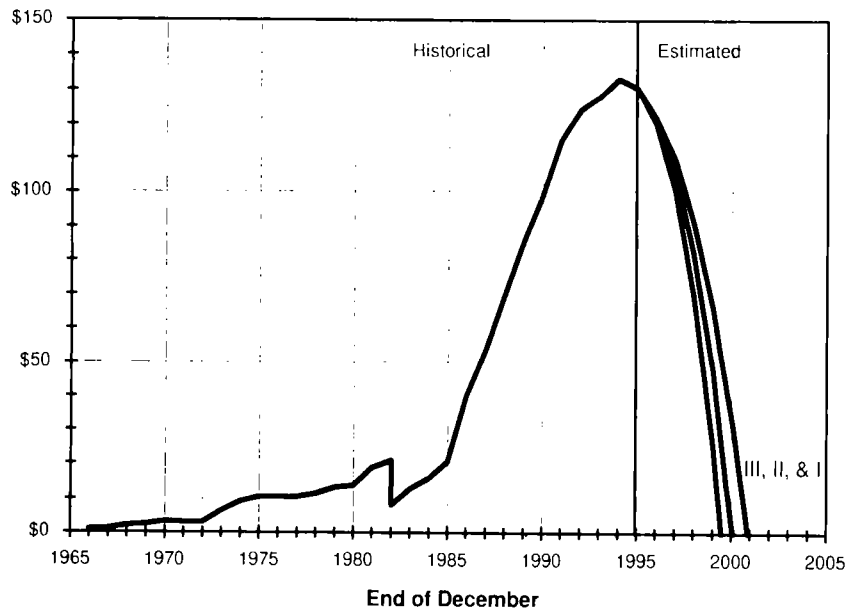


Figure II.D2.—HI Trust Fund Balance, End-of-Year (In billions)



The Trustees' test of short-range financial adequacy is stringent. It is designed to provide an early warning that a trust fund may face financial difficulties in the coming years. As indicated by the projections above, a more immediate concern is the imminent depletion of the HI trust fund. Corrective legislation is needed in the very near future to permit the continued payment of HI benefits when due.

As suggested by the historical asset levels shown in table II.D4 and figures II.D1 and II.D2, the Trustees' short-range test for HI has seldom been met.² For many years, the HI trust fund has been projected to become depleted within the next decade or so, as a result of increases in health care costs and utilization that generally exceed increases in the HI payroll taxes that support the program. Over the years, asset exhaustion has been postponed by enactment of legislation to increase trust fund revenue and/or reduce the rate of growth in program expenditures. As a result of the periodic corrective legislation, the program has operated satisfactorily even though it has not met the Trustees' short-range test.

Nonetheless, the test represents a desirable goal for the financial status of social insurance programs. The Trustees have recommended that fund assets be maintained at a level of at least 100 percent of annual program expenditures. Such a level is estimated to provide a cushion of roughly 5 years in the event that program income falls short of expenditures, thereby allowing time for policy makers to devise and implement legislative corrections. Thus, while the short-range test is stringent, it is intended to ensure that health care benefits continue to be available without interruption to the millions of aged and disabled Americans who rely on such coverage.

E. ACTUARIAL STATUS OF THE TRUST FUND

In section II.D, the expected operations of the HI program over the next 10 years were presented. In this section, the actuarial status of the trust fund, or the adequacy of the scheduled financing to support program costs well into the future, is examined under all three alternative assumptions. The assumptions used in preparing projections are summarized in section II.F of this report.

² The test was introduced by the Board of Trustees in 1991.

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The adequacy of the current law financing schedule for the HI program in the long-range is measured by comparing on a year-by-year basis the income rates (from payroll taxes and income from taxation of OASDI benefits) with the corresponding incurred costs of the program, expressed as percentages of taxable payroll.³ If these two items were exactly equal in each year of the projection period and all projection assumptions were realized, then revenues would be sufficient to provide for program costs. In practice, however, tax rate schedules, which make up most of the income rate, generally are designed with rate changes occurring only at intervals of several years, rather than with continual yearly increases to match exactly with projected cost increases. To the extent that small differences between the yearly costs of the program and the corresponding income rates occur for short periods of time and are offset by subsequent differences in the reverse direction, the financing objectives can be met by maintaining an appropriate contingency reserve. In projecting costs under the program, only incurred expenditures (benefits and administrative costs) attributable to insured beneficiaries are considered, since benefits and administrative costs for noninsured persons are expected to be financed through general revenue transfers and premium payments rather than through payroll taxes.

The historical costs of the HI program, expressed as percentages of taxable payroll, are shown in table II.E1. The ratio of expenditures to taxable payroll has increased from 0.94 percent in 1967 to 3.38 percent in 1995, reflecting both the higher rate of increase in program costs than in earnings subject to HI taxes and the extension of HI benefits to disabled and end-stage renal disease beneficiaries.

The projected costs of the program under the intermediate assumptions, expressed as percentages of taxable payroll, and the income rates under current law for selected years over the 75-year period 1996-2070, are shown in table II.E2. Further increases in the ratio of expenditures to taxable payroll under the intermediate assumptions result from the projection that the cost of the HI program will continue to increase at a higher rate than taxable earnings, as discussed later in this section. It can be seen from the selected years shown in table II.E2 that, on a year-by-year basis, the income rates under current law are insufficient by a large margin to support the projected costs of the current program. As a result, the program is severely out of financial balance and substantial

³Taxable payroll is the total amount of wages, salaries, tips, self-employment income, and other earnings subject to the HI payroll tax.

measures will be required to increase revenues and/or reduce expenditures.

Table II.E1.—Historical Cost Rates of the HI Program

Calendar year	Cost Rates ¹
1967	0.94%
1968	1.04
1969	1.12
1970	1.20
1971	1.32
1972	1.30
1973	1.33
1974	1.42
1975	1.69
1976	1.83
1977	1.95
1978	2.01
1979	1.99
1980	2.20
1981	2.39
1982	2.65
1983	2.67 ²
1984	2.64
1985	2.63
1986	2.55
1987	2.46
1988	2.42
1989	2.66
1990	2.71
1991	2.75
1992	2.96
1993	3.17
1994	3.20
1995	3.38

¹Estimated costs attributable to insured beneficiaries only, on an incurred basis. Benefits and administrative costs for noninsured persons are expected to be financed through general revenue transfers and premium payments, rather than through payroll taxes. Gratuitous credits for military service after 1956 are included in taxable payroll.

²Deemed credits for military service before 1984 were attributed to the year in which such service had occurred. If all such credits had been attributed in 1983, expenditures under the program in 1983 would have been lower by 0.18 percent of taxable payroll.

Table II.E2.—Projected Cost and Income Rates of the HI Program ¹

Calendar year	Cost rates ²	Income rates	Difference ³
1996	3.54%	3.02%	-0.52%
2000	4.10	3.02	-1.08
2005	4.59	3.03	-1.56
2010	5.07	3.07	-2.00
2015	5.78	3.12	-2.66
2020	6.67	3.17	-3.50
2025	7.58	3.22	-4.36

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Table II.E2.—Projected Cost and Income Rates of the HI Program ¹

Calendar year	Cost rates ²	Income rates	Difference ³
2030	8.52	3.27	-5.25
2035	9.25	3.29	-5.96
2040	9.74	3.31	-6.43
2045	10.08	3.32	-6.76
2050	10.34	3.33	-7.01
2055	10.58	3.35	-7.23
2060	10.90	3.37	-7.53
2065	11.32	3.38	-7.94
2070	11.78	3.40	-8.38

¹Under the intermediate assumptions.

²See footnote 1 of table II E 1.

³Difference between the income rates and cost rates. Negative values represent deficits.

While the year-by-year comparisons discussed are necessary to measure the adequacy of the financing of the HI program, the financial status of the program is often summarized, over a specific projection period, by a single measure known as the actuarial balance. The actuarial balance of the HI program is defined to be the difference between the summarized income rate for the valuation period and the summarized cost rate for the same period. The summarized income rates, cost rates, and actuarial balance are based upon the present values of future income on an incurred basis, future insured costs on an incurred basis, and future taxable payroll. The present values are calculated by discounting the future annual amounts of income and outgo at the assumed rates of interest credited to the HI trust fund. The present values are calculated as of the beginning of the valuation period. The summarized income and cost rates over the projection period are then obtained by dividing the present value of income and cost, respectively, by the present value of taxable payroll. The difference between the summarized income rate and cost rate over the long-range projection period, after an adjustment to take into account the fund balance at the valuation date and any target trust fund at the end of the valuation period, is the actuarial balance. In keeping with a decision by the Board of Trustees that it is advisable to maintain a balance in the trust fund equal to a minimum of one year's expenditures, the target trust fund balance is equal to the following year's estimated costs at the end of the 75-year projection period. It should be noted that projecting an end-of-

period target trust fund balance does not necessarily insure that the trust fund will maintain such a balance on a year-by-year basis.⁴

The actuarial balance can be interpreted as the immediate, level, and permanent percentage that must be added to the current law income rates and/or subtracted from the current law cost rates throughout the entire valuation period in order for the financing to support program costs and provide for the targeted trust fund balance at the end of the projection period. The income rate increase according to this method is 4.52 percent of taxable payroll. However, if no changes were made until the year the trust fund would be exhausted, then the required increase would be 4.84 percent of taxable payroll under the intermediate assumptions.

The actuarial balances under all three alternative sets of assumptions, for the next 25, 50, and 75 years, as well as for each 25-year subperiod, are shown in table II.E3. The summarized income rate for the entire 75-year period under the intermediate assumptions is 3.21 percent of taxable payroll. The summarized cost of the program under the intermediate assumptions, for the entire 75-year period, is 7.72 percent, or more than twice the level of projected income to the program. As a result, the HI program fails to meet the Trustees' long-range test of close actuarial balance. (Section III.E contains a summary of the requirements of this test.)

⁴An alternative way of calculating actuarial status, known as the modified average-cost method, is presented in section III.A. The HI trust fund also fails the test of long-range close actuarial balance using this method.

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Table II.E3.—Actuarial Balances of the HI Program, Under Three Sets of Assumptions

	Intermediate	Alternative	
	assumptions	Low Cost	High Cost
Projection periods:			
1996-2020:			
Summarized income rate	3.07%	3.05%	3.09%
Summarized cost rate ¹	5.01	4.05	6.36
Actuarial balance ²	-1.95	-1.00	-3.27
1996-2045:			
Summarized income rate	3.16	3.12	3.21
Summarized cost rate ¹	6.68	4.48	10.51
Actuarial balance ²	-3.52	-1.36	-7.29
1996-2070:			
Summarized income rate	3.21	3.15	3.30
Summarized cost rate ¹	7.72	4.82	12.96
Actuarial balance ²	-4.52	-1.67	-9.67
25-year subperiods:			
1996-2020:			
Summarized income rate	3.07%	3.05%	3.09%
Summarized cost rate ³	4.93	4.04	6.15
Actuarial balance ²	-1.86	-0.99	-3.06
2021-2045:			
Summarized income rate	3.27	3.21	3.36
Summarized cost rate ³	8.70	5.03	15.42
Actuarial balance ²	-5.43	-1.82	-12.06
2046-2070:			
Summarized income rate	3.36	3.24	3.56
Summarized cost rate ³	10.81	5.79	20.55
Actuarial balance ²	-7.45	-2.55	-16.99

¹Expenditures for benefit payments and administrative costs for insured beneficiaries, on an incurred basis, expressed as a percentage of taxable payroll, computed on the present-value basis, including the cost of attaining a trust fund balance at the end of the period equal to 100% of the following year's estimated expenditures, and including an offset to cost due to the beginning trust fund balance.

²Difference between the summarized income rate and the summarized cost rate.

³Expenditures for benefit payments and administrative costs for insured beneficiaries, on an incurred basis, expressed as a percentage of taxable payroll, computed on the present-value basis. Includes neither the trust fund balance at the beginning of the period nor the cost of attaining a non-zero trust fund balance at the end of the period.

Note: Totals do not necessarily equal the sums of rounded components.

The divergence in outcomes among the three alternatives is reflected both in the estimated operations of the trust fund on a cash basis (as discussed in section II.D) and in the 75-year summarized costs. The variations in the underlying assumptions, as shown in the next section, can be characterized as (1) moderate in terms of magnitude of the differences on a year-by-year basis and (2) persistent over the duration of the projection period. Under the low cost alternative, the summarized program cost rate for the 75-year projection period is about 4.8 percent of taxable payroll and the summarized income rate is about 3.1 percent

of taxable payroll; hence, HI income rates provided in current law would be inadequate even under the low cost alternative. Under the high cost alternative, the summarized program cost rate for the 75-year projection period is about 13.0 percent of taxable payroll, nearly four times the summarized income rate of about 3.3 percent of taxable payroll.

Past experience has indicated that economic and demographic conditions as financially adverse as those assumed under the high cost alternative can, in fact, occur. None of the alternative projections should be viewed as unlikely or unrealistic. The wide range of results under the three alternatives is indicative of the uncertainty of the program's future cost, and its sensitivity to future economic and demographic conditions. Accordingly, it is important that an adequate balance be maintained in the HI trust fund as a reserve for contingencies, and that financial imbalances be addressed promptly through corrective legislation.

A valuation period of 75 years is needed to present fully the future contingencies that reasonably may be expected to occur, such as the impact of the large shift in the demographic composition of the population which will occur after the turn of the century. As table II.E2 indicates, estimated expenditures under the program, expressed as percentages of taxable payroll, increase rapidly beginning around 2010. This rapid increase in costs occurs because the relatively large number of persons born during the period between the end of World War II and the mid-1960's (known as the baby boom) will reach retirement age and begin to receive benefits, while the relatively smaller number of persons born during later years will comprise the labor force. During the last 25 years of the projection period, the projected increases in expenditures under the program stabilize somewhat.⁵

Costs beyond the initial 25-year projection period for the intermediate estimate are based upon the assumption that costs per unit of medical care service will increase at the same rate as that of average hourly earnings. Thus, changes in the next 50 years of the projection period primarily reflect the impact of the changing demographic composition of the population. Beyond the initial 25-year projection period, the low cost and high cost alternatives assume that program cost increases, relative to taxable payroll increases, are initially 2 percent less rapid and 2 percent more rapid, respectively, than the results under the

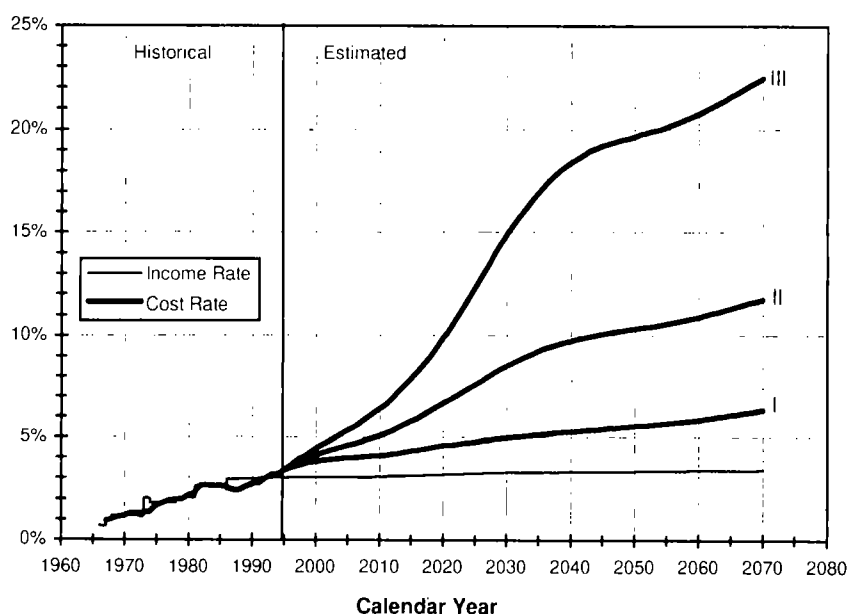
⁵HI costs as a percentage of taxable payroll are projected to continue to increase, at a slower rate, due to assumed further improvements in life expectancy.

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intermediate assumptions. The initial 2-percent differentials are assumed to gradually decrease until the year 2045, when program cost increases (relative to taxable payroll) are assumed to be the same as under the intermediate assumptions.

Figure II.E1 shows the year-by-year costs as a percent of taxable payroll for each of the three sets of assumptions, as well as the projected income rates. The income rates are shown only for the intermediate assumptions in order to simplify the graphical presentation and because the variation in the income rates by alternative is very small (by 2070, the annual income rates under the low cost and high cost alternatives differ by only about 0.4 percent of taxable payroll). Only small fluctuations are projected in the income rate, as the rate of income from taxation of OASDI benefits varies only slightly for each alternative. Figure II.E1 illustrates the magnitude of the projected financial imbalance in the HI program by displaying the divergence of the program costs and income rates under each set of assumptions. In the figure, the labels “I”, “II”, and “III” indicate projections under the low cost, intermediate, and high cost alternatives, respectively.

Figure II.E1.—Estimated HI Cost and Income Rates as Percent of Taxable Payroll



The 75-year actuarial balance of the HI program, under the intermediate assumptions, is estimated to be -4.52 percent of taxable payroll, as shown in table II.E3. The actuarial balance under the

intermediate assumptions as reported in the 1995 Annual Report was -3.52 percent. The major reasons for the change in the 75-year actuarial balance are summarized in table II.E4. In more detail, these changes are:

- (1) Changes in valuation period: Changing the valuation period from 1995-2069 to 1996-2070 adds a very large deficit year to the calculation of the actuarial balance. The effect on the actuarial balance is -0.10 percent of taxable payroll.
- (2) Updating the projection base: The cost as a percent of payroll for 1995 was more than estimated in the 1995 report. The net effect of this change on the actuarial balance is -0.26 percent.
- (3) Hospital assumptions: Changes in the hospital assumptions described in the next section result in a -0.19 percent change in the actuarial balance. The primary factor contributing to this change is an assumption that increases in the average complexity of hospital services in the future will be slightly higher than previously assumed. This assumption change was prompted by the most recent actual experience with the mix of cases reported by hospitals.
- (4) Other provider assumptions: Changes to the non-hospital provider utilization assumptions result in a -0.35 percent change in the actuarial balance. The primary factor is higher assumed utilization in the short-range than assumed in last year's report.
- (5) Economic and demographic assumptions: Changes in the economic and demographic assumptions described in the next section result in a -0.10 change in the actuarial balance. This was mostly the effect of short-range revisions.

Table II.E4.—Change in the 75-Year Actuarial Balance Since the 1995 Report

1. Actuarial balance, intermediate assumptions, 1995 report	-3.52%
2. Changes:	
a. Valuation period	-0.10
b. Base estimate	-0.26
c. Hospital assumptions	-0.19
d. Other provider assumptions	-0.35
e. Economic and demographic assumptions	-0.10
f. Net effect, above changes	-1.00
3. Actuarial balance, intermediate assumptions, 1996 report	-4.52

**F. ACTUARIAL METHODOLOGY AND PRINCIPAL
ASSUMPTIONS FOR THE HOSPITAL INSURANCE COST
ESTIMATES**

This section describes the basic methodology and assumptions used in the estimates for the HI program under the intermediate assumptions. In addition, projections of program costs under two alternative sets of assumptions are presented.

1. Assumptions

Both the economic and demographic assumptions underlying the projections shown in this report are consistent with those in the 1996 Annual Report of the Board of Trustees of the Federal Old-Age and Survivors Insurance and Disability Insurance Trust Funds. These assumptions are described in more detail in that report.

2. Program Cost Projection Methodology

The principal steps involved in projecting the future costs of the HI program are (1) establishing the present cost of services provided to beneficiaries, by type of service, to serve as a projection base; (2) projecting increases in payments for inpatient hospital services under the program; (3) projecting increases in payments for skilled nursing, home health, and hospice services covered under the program; and (4) projecting increases in administrative costs. The major emphasis is directed toward expenditures for inpatient hospital services (both managed care and fee-for-service), which account for approximately 80 percent of total benefits.

a. Projection Base

In order to establish a suitable base from which to project the future costs of the program, the incurred payments for services provided must be reconstructed for the most recent period for which a reliable determination can be made. To do this, payments to providers must be attributed to dates of service, rather than to payment dates. In addition, the nonrecurring effects of any changes in regulations, legislation, or administration of the program and of any items affecting only the timing and flow of payments to providers must be eliminated. As a result, the rates of increase in the incurred cost of the program differ from the increases in cash disbursements shown in tables II.D1 and II.D2.

For those expenses still reimbursed on a reasonable cost basis, the costs for covered services are determined on the basis of provider cost reports. Payments to a provider initially are made on an interim basis; to adjust interim payments to the level of retroactively determined costs, a series of payments or recoveries is effected through the course of cost settlement with the provider. The net amounts paid to date to providers in the form of cost settlements are known; however, the incomplete data available do not permit a precise determination of the exact amounts incurred during a specific period of time. Due to the time required to obtain cost reports from providers, to verify these reports, and to perform audits (where appropriate), final settlements have lagged behind the original costs by as much as several years for some providers. Hence, the final cost of services reimbursed on a reasonable cost basis has not been completely determined for the most recent years of the program, and some degree of uncertainty remains even for earlier years.

Even for inpatient hospital operating payments paid for on the basis of diagnosis-related groups (DRGs), most payments are initially made on an interim basis, and final payments are determined on the basis of bills containing detailed diagnostic information which are later submitted by the hospital.

Additional problems are posed by changes in legislation or regulation, or in administrative or reimbursement policy, which have a substantial effect on either the amount or incidence of payment. The extent and timing of the incorporation of such changes into interim payment rates and cost settlement amounts cannot be determined precisely.

The process of allocating the various types of payments made under the program to the proper incurred period—using incomplete data and estimates of the impact of administrative actions—presents difficult problems, the solutions to which can be only approximate. Under the circumstances, the best that can be expected is that the actual incurred cost of the program for a recent period can be estimated within a few percent. This increases the projection error directly, by incorporating any error in estimating the base year into all future years.

b. Payments for Inpatient Hospital Costs

Beginning with hospital accounting years starting on or after October 1, 1983, the HI program began paying almost all participating hospitals a prospectively-determined amount for providing covered services to beneficiaries. With the exception of certain expenses reimbursed on a

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reasonable cost basis, as defined by law, the payment rate for each admission depends upon the DRG to which the admission belongs.

The law contemplates that the annual increase in the payment rate for each admission will be related to a hospital input price index, which measures the increase in prices for goods and services purchased by hospitals for use in providing care to hospital inpatients. In other literature, the hospital input price index is also called the hospital market basket percentage increase. For fiscal year 1996, the prospective payment rates have already been determined. The projections contained in this report are based on the assumption that for fiscal year 1997, the prospective payment rates will be increased in accordance with Public Law 103-66, the Omnibus Budget Reconciliation Act of 1993, and this legislated annual payment rate increase is indeed a function of the annual hospital input price index. For fiscal years 1998 and later, current statute mandates that the annual increase in the payment rate per admission equal the annual increase in the hospital input price index.

Increases in aggregate payments for inpatient hospital care covered under the HI program can be analyzed into four broad categories:

- (1) Labor factors--the increase in the hospital input price index which is attributable to increases in hospital workers' hourly earnings;
- (2) Non-labor factors--the increase in the hospital input price index which is attributable to factors other than hospital workers' hourly earnings, such as the costs of energy, food, and supplies;
- (3) Unit input intensity allowance--the amount added to or subtracted from the input price index (generally as a result of legislation) to yield the prospective payment update factor; and
- (4) Volume of services--the increase in total output of units of service (as measured by hospital admissions covered by the HI program).

It has been possible to isolate some of these elements and to identify their roles in previous hospital payment increases. Table II.F1 shows the estimated values of the principal components of the increases for historical periods for which data are available and the projected trends used in the estimates. The following discussions apply to projections under the intermediate assumptions, unless otherwise indicated.

Table II.F1.—Components of Historical and Projected Increases in HI Inpatient Hospital Payments¹

Calendar year	Labor			Non-labor			Units of service					
	Average hourly earnings	Hospital hourly earnings differential	Hospital hourly earnings	CPI	Hospital price input intensity	Non-labor hospital prices	Input price index	Unit input intensity allowance ²	HI enrollment	Admission incidence	Other Sources	HI inpatient hospital payments
Historical Data:												
1984	7.0%	-1.2%	5.7%	3.5%	0.1%	3.6%	4.9%	1.0%	1.8%	-3.8%	8.0%	12.0%
1985	5.3	-0.7	4.6	3.5	-1.0	2.5	3.8	0.0	1.6	-7.4	8.6	6.1
1986	4.8	-1.1	3.6	1.6	-0.6	1.0	2.6	-2.5	2.3	-5.6	7.4	3.8
1987	4.6	-0.7	3.9	3.6	-0.4	3.2	3.7	-2.6	1.7	-3.1	1.6	1.2
1988	5.2	-0.4	4.8	4.0	1.3	5.4	5.0	-2.5	2.5	-2.2	5.0	7.9
1989	3.3	1.8	5.2	4.8	0.8	5.6	5.4	-1.4	2.0	-3.2	6.2	9.1
1990	5.3	0.2	5.5	5.2	-1.2	3.9	4.9	-0.1	2.1	-0.2	1.0	7.9
1991	3.9	0.8	4.7	4.0	-1.7	2.2	3.7	-0.5	2.2	0.0	3.9	9.6
1992	6.1	-2.1	3.9	2.9	-1.2	1.7	3.1	-0.2	2.1	0.6	2.9	8.8
1993	1.7	1.8	3.5	2.8	-0.9	1.9	2.9	-0.2	2.1	0.5	2.6	8.1
1994	2.8	0.3	3.1	2.5	-0.9	1.6	2.5	-0.5	2.0	1.4	1.8	7.4
Projection: ³												
1995	4.1	-1.4	2.6	2.8	1.0	3.8	3.1	-1.0	1.8	1.3	3.4	8.9
2000	4.3	0.2	4.5	3.5	0.0	3.5	4.1	0.0	1.3	1.1	1.5	8.2
2005	5.2	0.2	5.4	4.0	0.0	4.0	4.9	0.0	1.4	0.6	0.9	8.0
2010	5.2	0.2	5.4	4.0	0.0	4.0	4.9	0.0	1.9	0.2	1.0	8.2
2015	5.2	0.2	5.4	4.0	0.0	4.0	5.0	0.0	2.6	-0.1	1.2	8.9
2020	5.2	0.2	5.4	4.0	0.0	4.0	5.0	0.0	2.7	-0.2	1.2	8.9

¹Percent increase in year indicated over previous year, on an incurred basis.²Reflects the allowances provided for in the prospective payment update factors.³Under the intermediate assumptions.

Note: Historical and projected data reflect the hospital input price index which was recalibrated to a 1987 base year in 1990.

Increases in hospital workers' hourly earnings can be analyzed and projected in terms of (1) the assumed increases in hourly earnings in employment in the general economy and (2) the difference between hourly earnings increases in the general economy and the hospital hourly earnings used in the hospital input price index.⁶ Since the beginning of the HI program, the differential between the hospital workers' hourly earnings and hourly earnings in the general economy has fluctuated widely. Since 1984, this differential has averaged about -0.1 percent. During the initial years of the prospective payment system, it appears that hospital hourly earnings were depressed relative to those in the general economy as hospitals adapted to the prospective payment system. This differential is assumed to fluctuate, leveling off at 0.2 percent over the short term, declining to zero just after the end of the first 25-year projection period.

Non-labor cost increases can similarly be analyzed in terms of a known, economy-wide price measure (the CPI) and a differential between the CPI and hospital-specific prices. This latter factor is called the hospital price input intensity increase, and reflects price increases for non-labor goods and services that hospitals purchase which do not parallel increases in the CPI. Although the price input intensity level has fluctuated erratically in the past, this differential has averaged about -0.5 percent during 1984-1994. Over the short term, hospital price input intensity is assumed to fluctuate, leveling off to zero for most of the projection period.

The final input price index is calculated as a weighted average of the labor and non-labor factors described above. The weights reflect the relative use of each factor by hospitals (currently about 60 percent labor and 40 percent non-labor).

For years prior to the beginning of the prospective payment system, the unit input intensity allowance has been set at 1 percent for illustrative purposes, with historical increases in excess of 1 percent allocated to other sources. For years after the beginning of the prospective payment system, the unit input intensity allowance is the allowance provided for by law in the prospective payment update factor; that is, the unit input intensity allowance is the amount added onto (or subtracted from) the input price index to yield the update factor. (It should be noted that the update factors are generally prescribed on a fiscal year basis, while table

⁶In establishing the hospital input price index, a "proxy" measure of hospital hourly earnings is used to estimate actual earnings.

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II.F1 is on a calendar year basis. Calculations have therefore been performed to estimate the unit input intensity allowance on a calendar year basis.)

For fiscal years 1995-1997, the allowances are prescribed in Public Law 103-66. Beginning in fiscal year 1998, the law provides that future increases in payments to participating hospitals for covered admissions will equal the increase in the hospital input price index. Thus, the unit input intensity allowance, as indicated in table II.F1, is assumed to equal zero for the rest of the years in the first 25-year projection period.

Increases in payments for inpatient hospital services also reflect increases in units (volume) of service as measured by increases in inpatient hospital admissions covered under the HI program. Increases in admissions are attributable both to increases in enrollment under the HI program and to increases in admission incidence (admissions per beneficiary), as shown in table II.F1. The historical and projected increases in enrollment reflect the more rapid increase in the population aged 65 and over than in the total population of the United States, and the coverage of certain disabled beneficiaries and persons with end-stage renal disease. Increases in the enrollment are expected to continue, reflecting a continuation of demographic shift into categories of the population which are eligible for HI protection. In addition, increases in the average age of beneficiaries lead to higher levels of admission incidence. Admission incidence levels are also often affected by changes in the laws and regulations that define and guide the HI program's coverage of inpatient hospital care.

Since the beginning of the prospective payment system, increases in inpatient hospital payments from other sources are primarily due to three factors: (1) the changes in DRG coding as hospitals continue to adjust to the prospective payment system; (2) the trend toward treating less complicated (and thus, less expensive) cases in outpatient settings, resulting in an increase in the average prospective payment per admission; and (3) legislation affecting the payment rates. The effects of several budget reconciliation acts, sequesters as required by the Gramm-Rudman-Hollings Act, and other legislative effects are reflected in other sources, as appropriate. The increase in this factor for fiscal years 1996 through 2020, which is 1.4 percent for 1996 and 1997 and 1.0 percent thereafter, is attributable to an assumed continuation of the current trend toward treating less complicated cases in outpatient settings and continued changes in DRG coding. Additionally, part of the increase from other sources can be attributed to the increase in payments for certain costs not included in the DRG payment; these costs

are generally increasing at a rate faster than the input price index. Other possible sources of both relative increases and decreases in payments include (1) a shift to more or less expensive admissions (DRGs) due to changes in the demographic characteristics of the covered population; (2) changes in medical practice patterns; and (3) adjustments in the relative payment levels for various DRGs or addition/deletion of DRGs in response to changes in technology. As experience under the prospective payment system continues to develop and is further analyzed, it may be possible to establish a more predictable trend for this component.

The increases in the input price index (less any intensity allowance specified in the law), units of service, and other sources are compounded to calculate the overall increase in payments for inpatient hospital services. These overall increases are shown in the last column of table II.F1.

c. Skilled Nursing Facility (SNF), Home Health Agency (HHA), and Hospice Costs

Historical experience with the number of days of care covered in SNFs under the HI program has been characterized by wide swings. The number of covered days dropped very sharply in 1970 and continued to decline through 1972. This was the result of strict enforcement of regulations separating skilled nursing care from custodial care, and primarily reflected the determination that Medicare was not liable for payment rather than reduced usage of services. The 1972 amendments extended benefits to persons who require skilled rehabilitative services regardless of their need for skilled nursing services (the former prerequisite for benefits). This change and subsequent related changes in regulations have resulted in significant increases in the number of services covered by the program. More recently, changes made in 1988 to coverage guidelines for SNF services and expansions and changes due to the Medicare Catastrophic Coverage Act of 1988, effective January 1, 1989, resulted in large increases in utilization of SNF services. A reduction in utilization occurred in 1990-1991, consistent with the provisions of the Medicare Catastrophic Coverage Repeal Act of 1989. From 1991 to 1995, large increases in SNF utilization occurred. Increases are projected to gradually decline through 1996, eventually resulting in modest increases in covered days, based on growth and aging of the population.

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Increases in the average cost per day⁷ in SNFs under the program are caused principally by increasing payroll costs for nurses and other required skilled labor. For 1991 through 1995, extremely large rates of increase in cost per day occurred due to nursing home reform regulations. Projected rates of increase in cost per day are assumed to gradually decline to be slightly lower than increases in general earnings throughout the projection period, but adjustments to reflect regulations limiting SNF cost per day are included where appropriate. Increases in reimbursement per day reflect the changes in beneficiary cost sharing amounts, including those changes resulting from the catastrophic coverage and catastrophic coverage repeal legislation.

The resulting increases in expenditures for SNF services are shown in table II.F2.

Table II.F2.—Relationship Between Increases in HI Program Expenditures and Increases in Taxable Payroll¹

Calendar year	Inpatient hospital ^{2,3}	Skilled nursing facility ³	Home health agency ³	Weighted average ^{3,4}	HI administrative costs ^{3,5}	HI program expenditures ^{3,5}	HI taxable payroll	Ratio of expenditures to payroll ⁶
1996	7.9%	14.2%	14.3%	9.7%	17.5%	9.8%	4.8%	4.7%
2000	8.2	7.9	9.7	8.5	5.8	8.5	5.0	3.3
2005	8.0	7.8	7.1	7.9	6.2	7.9	5.8	1.9
2010	8.2	6.6	6.0	7.7	6.1	7.7	5.7	1.9
2015	8.9	6.9	6.2	8.3	6.7	8.3	5.4	2.7
2020	8.9	7.5	6.8	8.4	6.6	8.4	5.2	3.0

¹Percent increase in year indicated over previous year, under the intermediate assumptions.

²This column may differ slightly from the last column of table II.F1, since table II.F1 includes all persons eligible for HI protection while this table excludes noninsured persons.

³Costs attributable to insured beneficiaries only, on an incurred basis. Benefits and administrative costs for noninsured persons are expected to be financed through general revenue transfers and premium payments, rather than through payroll taxes.

⁴Includes costs for hospice care.

⁵Includes costs of Peer Review Organizations.

⁶Percent increase in the ratio of program expenditures to taxable payroll. This is equivalent to the differential between the increase in program costs and the increase in taxable payroll.

Program experience with HHA payments has shown a generally upward trend. The number of visits had increased sharply from year to year, but some decreases, albeit small in magnitude relative to past increases, were experienced in the mid-1980's; these were followed by modest increases. Recently, however, extremely large increases in the number of visits have occurred, and this trend is projected to gradually decline through 2005. Modest increases, based on growth and aging of the

⁷Cost is defined to be the total of program reimbursement and beneficiary cost sharing.

population, are projected thereafter. Reimbursement per visit is assumed to increase at a slightly lower rate than increases in general earnings, but adjustments to reflect regulations limiting HHA reimbursement per visit are included where appropriate. The resulting increases in expenditures for HHA services are shown in table II.F2.

Coverage of certain hospice care for terminally ill beneficiaries resulted from the enactment of the Tax Equity and Fiscal Responsibility Act of 1982; such payments are very small relative to total program benefit payments but have been growing rapidly in recent years. Although detailed hospice data are scant at this time, estimates for hospice benefit payment increases are based on mandated daily payment rates and annual payment caps, and assume modest growth in the number of covered days. Increases in hospice payments are not shown separately in table II.F2 due to their extremely small contribution to the weighted average increase for all HI types of service, but are included in the average.

d. Administrative Expenses

The cost of administering the HI program has remained relatively small, in comparison with benefit amounts, throughout the history of the program. The ratio of administrative expenses to benefit payments has generally fallen within the range of 1 to 3 percent. The short-range projection of administrative cost is based on estimates of workloads and approved budgets for intermediaries and HCFA. In the long-range, administrative cost increases are based on assumed increases in workloads, primarily due to growth and aging of the population, and on assumed unit cost increases of slightly less than the increases in average hourly earnings shown in table II.F1.

3. Financing Analysis Methodology

In order to analyze costs and to evaluate the financing of a program supported by payroll taxes, program costs must be compared on a year-by-year basis with the taxable payroll which provides most of the source of income for these costs. Since the vast majority of total program costs are related to insured beneficiaries and since general revenue appropriations and premium payments are expected to support the uninsured segments, the remainder of this report will focus on the financing for insured beneficiaries.

a. Taxable Payroll

Taxable payroll increases occur as a result of increases in average covered earnings and increases in the number of covered workers. The taxable payroll projection used in this report is based on economic assumptions consistent with those used in the OASDI report. The projected increases in taxable payroll for this report under the intermediate assumptions are shown in table II.F2.

b. Relationship Between Program Costs and Taxable Payroll

The single most meaningful measure of program cost increases, with reference to the financing of the system, is the relationship between program cost increases and taxable payroll increases. If program costs increase more rapidly than taxable payroll, either increasing income rates or reducing program costs (or some combination thereof) will be required to finance the system in the future. Table II.F2 shows the projected increases in program costs relative to taxable payroll over the first 25-year projection period. These relative increases decline gradually to less than 2 percent per year by 2010, but increase to a level of about 3 percent per year by 2020 for the intermediate assumption, as the post-World War II baby boom population becomes eligible for benefits.

The result of these increases is a continued increase in the year-by-year ratios of program expenditures to taxable payroll, as shown in table II.F3. Under the low cost alternative, program expenditures are also projected to increase faster than taxable payroll, but at a somewhat lower rate, which gradually declines to about 0.5 percent more per year than taxable payroll by 2010; the rate then increases, reaching about 1.4 percent more per year than taxable payroll by 2020. Similarly, the high cost alternative follows a pattern whereby program expenditures initially increase faster than taxable payroll and at a somewhat higher rate than under the intermediate assumptions, gradually declining to about 3.6 percent more than taxable payroll by 2010, and then increasing to about 4.8 percent more than taxable payroll by 2020.

Table II.F3.—Summary of Alternative Projections for the HI Program

Calendar year	Increases in aggregate HI inpatient hospital payments ¹				Changes in the relationship between expenditures and payroll ¹			
	Average hourly earnings	CPI	Other factors ²	Total ³	Program expenditures ^{3,4,5}	Taxable payroll	Ratio of expenditures to payroll	Expenditures as a percent of taxable payroll ^{3,4,5}
Intermediate:								
1996	4.0%	2.8%	4.1%	7.8%	9.8%	4.8%	4.7%	3.54%
2000	4.3	3.5	4.0	8.2	8.5	5.0	3.3	4.10
2005	5.2	4.0	3.1	8.0	7.9	5.8	1.9	4.59
2010	5.2	4.0	3.2	8.2	7.7	5.7	1.9	5.07
2015	5.2	4.0	3.9	8.9	8.3	5.4	2.7	5.78
2020	5.2	4.0	3.9	8.9	8.4	5.2	3.0	6.67
Low Cost:								
1996	4.1%	2.4%	3.9%	7.5%	9.5%	5.3%	4.0%	3.51%
2000	4.6	3.0	2.7	6.8	7.5	5.8	1.6	3.80
2005	4.6	3.0	1.4	5.5	6.0	5.5	0.5	3.96
2010	4.6	3.0	1.7	5.8	5.8	5.3	0.5	4.08
2015	4.6	3.0	2.1	6.3	6.2	5.0	1.2	4.30
2020	4.6	3.0	2.2	6.4	6.4	4.9	1.4	4.60
High Cost:								
1996	3.2%	2.7%	4.6%	7.8%	9.7%	3.2%	6.3%	3.59%
2000	4.4	4.5	4.8	9.5	9.5	3.5	5.8	4.46
2005	5.7	5.0	4.8	10.5	9.8	6.1	3.5	5.34
2010	5.9	5.0	5.0	10.9	9.9	6.1	3.6	6.37
2015	5.9	5.0	5.5	11.4	10.6	5.8	4.5	7.88
2020	5.9	5.0	5.4	11.3	10.7	5.6	4.8	9.90

¹Percent increase for the year indicated over the previous year.²Other factors include hospital hourly earnings, hospital price input intensity, unit input intensity allowance, units of service as measured by admissions, and other sources.³On an incurred basis.⁴Includes expenditures attributable to insured beneficiaries only.⁵Includes hospital, SNF, HHA, and hospice expenditures, administrative costs, and costs of Peer Review Organizations.

4. Projections Under Alternative Assumptions

Since the beginning of the program, aggregate inpatient hospital costs for Medicare beneficiaries have increased substantially faster than increases in average earnings and prices in the general economy. Table II.F1 shows the estimated experience of the HI program for 1984 to 1994. As mentioned earlier, the HI program now makes most payments to hospitals on a prospective basis. The prospective payment system has made the outlays of the HI program potentially less vulnerable to excessive rates of growth in the hospital industry. However, there is still considerable uncertainty in projecting HI expenditures, for inpatient hospital services as well as the other covered types of services, due to the uncertainty of the underlying economic assumptions and utilization increases. In addition, there is uncertainty in projecting HI

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expenditures due to the possibility of future legislation affecting unit payment levels, particularly for inpatient hospital services. Current law is assumed throughout the estimates shown in this report, but legislation affecting the payment levels to hospitals for about the past 10 years has been enacted, and future legislation is probable.

In view of the uncertainty of future cost trends, projected costs for the HI program have been prepared under three alternative sets of assumptions. A summary of the assumptions and results is shown in table II.F3. The set of assumptions labeled "Intermediate" forms the basis for the detailed discussion of hospital cost trends and resulting program costs presented throughout this report. It represents intermediate cost increase assumptions, compared with the lower cost and higher cost alternatives. Increases in the economic factors (average hourly earnings and CPI) for the three alternatives are consistent with those underlying the OASDI report.

As noted earlier, the single most meaningful measure of HI program cost increases, with reference to the financing of the system, is the relationship between program cost increases and taxable payroll increases. The extent to which program cost increases exceed increases in taxable payroll will determine how steeply income rates must be increased or program costs curtailed to finance the system over time.

By the end of the first 25-year projection period, program costs are projected to increase about 3 percent faster per year than increases in taxable payroll for the intermediate assumption, as discussed in section II.F3. Program costs beyond the first 25-year projection period are based on the assumption that costs per unit of service increase at the same rate as average hourly earnings. Program expenditures, which were about 3 percent of taxable payroll in 1994, increase to over 6 percent by the year 2020 and to over 11 percent by the year 2070 under the intermediate assumptions. Hence, if all of the projection assumptions are realized over time, the HI income rates provided in current law (3.2 percent of taxable payroll) will be grossly inadequate to support the cost of the program.

During the first 25-year projection period, the low cost and high cost alternatives contain assumptions which result in program costs increasing, relative to taxable payroll increases, approximately 2 percent less rapidly and 2 percent more rapidly, respectively, than the results under the intermediate assumptions. Costs beyond the first 25-year projection period assume the 2 percent differential gradually decreases until the year 2045 when program cost increases relative to taxable

payroll are approximately the same as under the intermediate assumptions. Under the low cost alternative, program expenditures would be about 4.6 percent of taxable payroll in the year 2020, increasing to about 6.3 percent of taxable payroll by 2070. Under the high cost alternative, program expenditures in the year 2020 would increase to about 9.9 percent of taxable payroll, and to about 22.4 percent of taxable payroll in the year 2070.

G. LONG-RANGE SENSITIVITY ANALYSIS

This section presents estimates which illustrate the sensitivity of the long-range cost rate and actuarial balance of the HI program to changes in selected individual assumptions. The estimates based on the three alternative sets of assumptions (i.e., intermediate, low cost, and high cost) illustrate the effects of varying all of the principal assumptions simultaneously in order to portray a generally more optimistic or pessimistic future, in terms of the projected financial status of the HI program. In the sensitivity analysis presented in this section, the intermediate set of assumptions is used as the reference point, and one assumption at a time is varied within that alternative. Similar variations in the selected assumptions within the other alternatives would result in similar variations in the long-range estimates.

Each table that follows shows the effects of changing a particular assumption on the HI summarized income rates, summarized cost rates, and actuarial balances (as defined earlier in this report) for 25-year, 50-year, and 75-year valuation periods. Because the income rate varies only slightly with changes in assumptions, it is not considered in the discussion of the tables. The change in each of the actuarial balances is approximately equal to the change in the corresponding cost rate, but in the opposite direction. For example, a lower projected cost rate would result in an improvement in the corresponding projected actuarial balance.

1. Real-Wage Differential

Table II.G1 shows the estimated HI income rates, cost rates, and actuarial balances on the basis of the intermediate assumptions with various assumptions about the real-wage differential. These assumptions are that the ultimate real-wage differential will be 0.5-percentage-point (as assumed for the high cost alternative), 1.0-percentage-point (as assumed for the intermediate assumptions), and 1.5-percentage-points (as assumed for the low cost alternative). In each

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case, the ultimate annual increase in the CPI is assumed to be 4.0 percent (as assumed for the intermediate assumptions), yielding ultimate percentage increases in average annual wages in covered employment of 4.5, 5.0, and 5.5 percent under the high cost, intermediate, and low cost alternatives, respectively.

Past increases in real earnings have exhibited substantial variation. During 1951-1970, real earnings grew by an average of 2.2 percent per year. During the last quarter century, however, the average annual increase in real earnings has amounted to only 0.1 percent. The possibility of continuing poor performance in real wage growth is a matter of some concern to analysts and policymakers. Thus, the sensitivity of HI costs to future real wage growth is important. As shown in table II.G1, projected HI costs are, in fact, fairly sensitive to the assumed growth rates in real wages. For the 75-year period 1996-2070, the summarized cost rate decreases from 8.16 percent (for a real-wage differential of 0.5-percentage-point) to 7.31 percent (for a differential of 1.5-percentage-points). The HI actuarial balance over this period shows a corresponding improvement for faster rates of growth in real wages.

Table II.G1.—Estimated HI Income Rates, Cost Rates, and Actuarial Balances, Based on Intermediate Estimates With Various Real-Wage Assumptions
[As a percentage of taxable payroll]

Valuation period	Ultimate percentage increase in wages-CPI ¹		
	4.5-4.0	5.0-4.0	5.5-4.0
Summarized income rate:			
25-year: 1996-2020	3.08	3.07	3.06
50-year: 1996-2045	3.18	3.16	3.14
75-year: 1996-2070	3.23	3.21	3.19
Summarized cost rate:			
25-year: 1996-2020	5.17	5.01	4.88
50-year: 1996-2045	6.97	6.68	6.41
75-year: 1996-2070	8.16	7.72	7.31
Actuarial balance:			
25-year: 1996-2020	-2.09	-1.95	-1.82
50-year: 1996-2045	-3.79	-3.52	-3.27
75-year: 1996-2070	-4.93	-4.52	-4.12

¹The first value in each pair is the assumed ultimate annual percentage increase in average wages in covered employment. The second value is the assumed ultimate annual percentage increase in the CPI. The difference between the two values is the real-wage differential.

The HI cost rate decreases with increasing real-wage differentials, because the higher real-wage levels increase the taxable payroll to a greater extent than they increase HI program benefits. In particular, each 0.5-percentage-point increase in the assumed real-wage differential

increases the long-range HI actuarial balance on average by about 0.40 percent of taxable payroll.⁸

2. Consumer Price Index

Table II.G2 shows the estimated HI income rates, cost rates, and actuarial balances on the basis of the intermediate alternative with various assumptions about the rate of increase for the CPI. These assumptions are that the ultimate annual increase in the CPI will be 3.0 percent (as assumed for the low cost alternative), 4.0 percent (as assumed for the intermediate assumptions), and 5.0 percent (as assumed for the high cost alternative). In each case, the ultimate real-wage differential is assumed to be 1.0 percent (as assumed for the intermediate assumptions), yielding ultimate percentage increases in average annual wages in covered employment of 4.0, 5.0, and 6.0 percent under the low cost, intermediate, and high cost alternatives, respectively.

Table II.G2.—Estimated HI Income Rates, Cost Rates, and Actuarial Balances, Based on Intermediate Estimates With Various CPI-Increase Assumptions
[As a percentage of taxable payroll]

Valuation period	Ultimate percentage increase in wages-CPI ¹		
	4.0-3.0	5.0-4.0	6.0-5.0
Summarized income rate:			
25-year: 1996-2020	3.07	3.07	3.06
50-year: 1996-2045	3.16	3.16	3.14
75-year: 1996-2070	3.21	3.21	3.19
Summarized cost rate:			
25-year: 1996-2020	5.04	5.01	5.00
50-year: 1996-2045	6.74	6.68	6.64
75-year: 1996-2070	7.80	7.72	7.67
Actuarial balance:			
25-year: 1996-2020	-1.97	-1.95	-1.94
50-year: 1996-2045	-3.58	-3.52	-3.50
75-year: 1996-2070	-4.59	-4.52	-4.48

¹The first value in each pair is the assumed ultimate annual percentage increase in average wages in covered employment. The second value is the assumed ultimate annual percentage increase in the CPI.

For all three periods, the cost rate decreases slightly with greater assumed rates of increase in the CPI. Over the 75-year projection

⁸This sensitivity is dampened somewhat because, as noted previously in this report, after the first 25 years medical care unit costs are assumed to increase at the same rate as average hourly earnings. As a result, assumed faster real wage growth causes projected taxable payroll to increase more rapidly than projected costs, but only for the first 25 years. Thereafter, payroll and costs are both projected to increase at about the same rate. The cumulative change between payroll and costs continues but does not increase further.

period, for example, the cost rate decreases from 7.80 percent (for CPI increases of 3.0 percent) to 7.67 percent (for CPI increases of 5.0 percent). The relative insensitivity of projected HI cost rates to different levels of general inflation occurs because inflation is assumed to affect both the taxable payroll of workers and medical care costs about equally.⁹ In practice, differing rates of inflation could occur between the economy in general and the medical-care sector. The effect of such a difference can be judged from the sensitivity analysis shown in the subsequent section on miscellaneous health care cost factors. The effect of each 1.0-percentage-point increase in the rate of change assumed for the CPI is an increase in the long-range actuarial balance of about 0.06 percent of taxable payroll, on average.

3. Real-Interest Rate

Table II.G3 shows the estimated HI income rates, cost rates, and actuarial balances under the intermediate alternative with various assumptions about the annual real-interest rate for special public-debt obligations issuable to the trust fund. These assumptions are that the ultimate annual real-interest rate will be 1.5 percent (as assumed for the high cost alternative), 2.3 percent (as assumed for the intermediate assumptions), and 3.0 percent (as assumed for the low cost alternative). In each case, the ultimate annual increase in the CPI is assumed to be 4.0 percent (as assumed for the intermediate assumptions), resulting in ultimate annual yields of 5.5, 6.3, and 7.0 percent under the high cost, intermediate, and low cost alternatives, respectively.

⁹The slight sensitivity shown results primarily from the fact that the fiscal year 1996 payment rates for hospitals have already been set. If the 1996 payments were allowed to be affected by CPI changes, there would be no projected effect due to CPI changes.

Table II.G3.—Estimated HI Income Rates, Cost Rates, and Actuarial Balances, Based on Intermediate Estimates With Various Real-Interest Assumptions
 [As a percentage of taxable payroll]

Valuation period	Ultimate annual real-interest rate		
	1.5 percent	2.3 percent	3.0 percent
Summarized income rate:			
25-year: 1996-2020	3.07	3.07	3.06
50-year: 1996-2045	3.17	3.16	3.15
75-year: 1996-2070	3.23	3.21	3.19
Summarized cost rate:			
25-year: 1996-2020	5.10	5.01	4.95
50-year: 1996-2045	6.96	6.68	6.47
75-year: 1996-2070	8.21	7.72	7.37
Actuarial balance:			
25-year: 1996-2020	-2.03	-1.95	-1.89
50-year: 1996-2045	-3.79	-3.52	-3.32
75-year: 1996-2070	-4.98	-4.52	-4.18

For all periods, the cost rate decreases with increasing real-interest rates. Over 1996-2070 for example, the summarized HI cost rate would decline from 8.21 percent (for an ultimate real-interest rate of 1.5 percent) to 7.37 percent (for an ultimate real-interest rate of 3.0 percent). Thus, each 1.0-percentage-point increase in the assumed real-interest rate increases the long-range actuarial balance on average by about 0.53 percent of taxable payroll. The fact that the actuarial balance of the HI program is sensitive to the interest assumption is not an indication of the actual role that interest plays in the financing of the HI program. In actuality, interest finances very little of the cost of the HI program. The sensitivity of the actuarial balance to the interest assumption is implicit in the present-value method used to calculate the actuarial balance (as described in more detail in section III.A).

4. Health Care Cost Factors

Table II.G4 shows the estimated HI income rates, cost rates, and actuarial balances on the basis of the intermediate set of assumptions with two variations on the relative annual growth rate in the aggregate cost of providing covered health care services to HI beneficiaries. These assumptions are that the ultimate annual growth rate in such costs, relative to the growth in taxable payroll, will be 1 percent slower than the intermediate assumption, the same as the intermediate assumption, and 1 percent faster than the intermediate assumption. In each case, the taxable payroll will be the same as assumed for the intermediate assumptions.

Actuarial Analysis

As noted previously, factors such as wage increases and price increases may simultaneously affect both HI tax income and the costs incurred by hospitals and other providers of medical care to HI beneficiaries. (The sensitivity of the program's financial status to these factors is evaluated in sections II.G1 and II.G2.) Other factors, such as the utilization of services by beneficiaries or the relative complexity of the services provided, can affect provider costs without affecting HI tax income. The sensitivity analysis shown in table II.G4 illustrates the financial effect of any combination of such factors that results in aggregate provider costs increasing by 1 percent faster or slower than the intermediate assumptions, relative to growth in taxable payroll under the intermediate assumptions.

Table II.G4.—Estimated HI Income Rates, Cost Rates, and Actuarial Balances, Based on Intermediate Estimates With Various Health Care Cost Growth Rate Assumptions
(As a percentage of taxable payroll)

Valuation period	Annual cost/payroll relative growth rate		
	-1 percent	0 percent	+1 percent
Summarized income rate:			
25-year: 1996-2020	3.07	3.07	3.07
50-year: 1996-2045	3.16	3.16	3.16
75-year: 1996-2070	3.21	3.21	3.21
Summarized cost rate:			
25-year: 1996-2020	4.34	5.01	5.81
50-year: 1996-2045	5.07	6.68	8.94
75-year: 1996-2070	5.24	7.72	11.80
Actuarial balance:			
25-year: 1996-2020	-1.27	-1.95	-2.74
50-year: 1996-2045	-1.91	-3.52	-5.78
75-year: 1996-2070	-2.03	-4.52	-8.59

As illustrated in table II.G4, the financial status of the HI program is extremely sensitive to the relative growth rates for health care service costs versus taxable payroll.¹⁰ For the 75-year period, the cost rate increases from 5.24 percent (for an annual cost/payroll growth rate of 1 percent less than the intermediate assumptions) to 11.80 percent (for an annual cost/payroll growth rate of 1 percent more than the intermediate assumptions). Each 1.0-percentage-point increase in the assumed cost/payroll relative growth rate decreases the long-range actuarial balance on average by about 3.28 percent of taxable payroll.

¹⁰In contrast to the situation described for the real-wage differential (see footnote 8), the sensitivity analysis shown here reflects the continuing effects of relatively faster or slower growth in medical care costs throughout the entire 75-year period. As a result, the sensitivity shown here for miscellaneous health care cost factors is substantially greater than shown for the real-wage differential.

III. APPENDICES

A. ACTUARIAL BALANCE UNDER THE MODIFIED AVERAGE-COST METHOD

In section II.E, the summarized income rates, cost rates, and actuarial balances are presented based on the actuarial present values of future income, costs, and taxable payrolls. Such methods are widely used in actuarial, economic, and financial analyses. In effect, the present value calculation applies successively less weight to the projected values as the projection interval lengthens. This technique reflects the fact that the value of the dollar changes over time—in particular, a dollar available today can earn interest over time and is therefore more valuable than the same dollar available in some future year.

The actuarial balance computed under the present-value method can be interpreted as the immediate, level, and permanent percentage that, if added to the current law income rates and/or subtracted from the current law cost rates throughout the valuation period, would provide sufficient financing to support program costs throughout the period and would leave the targeted trust fund balance at the end of the projection period. If such a policy were followed, a large fund would accumulate and would earn substantial interest credits, significantly exceeding those that would be earned under current law financing.

The measurement of the actuarial balance by the present-value method is significantly affected by the level of assumed future interest rates (as illustrated in section II.G). The higher the assumed rate of interest, the lower the weight that is applied to the more distant, high-cost years of the projection. (Equivalently, the greater the amount of interest that would be earned if a large fund were accumulated.) In practice, however, unless a large fund is accumulated, interest earnings will play a relatively small role in the financing of the HI program. The sensitivity of the actuarial balance to assumed interest rates is not readily apparent from a casual inspection of the actuarial deficit as measured by the present-value method.

An alternative to the present-value method, called the modified average-cost method, was used prior to 1988 to evaluate the actuarial status of the program. Under this method, the actuarial balance is defined as the difference between the arithmetic means of the annual cost rates (as defined in section II.E) and the annual income rates. Thus, under this method, the cost rates and income rates for each year are given equal weights when summarized into a single measure. The annual cost rates include an amount to maintain the trust fund at a desired target level, if the fund would otherwise drop below that level at any point within the

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projection period. In addition, the actuarial balances calculated under the modified average-cost method reflect the starting trust fund balance and the interest earned on the trust fund before it is exhausted.

The actuarial balance using the modified average-cost method can be characterized as the average of the annual income rate increases needed to maintain the trust fund at the target level over each year of the projection period, taking into account the beginning trust fund balance and the interest earnings of the trust fund. The implied funding pattern under the modified average-cost method is that the current law trust fund ratios would be maintained until the trust fund ratio falls below the target amount (100 percent of the following year's estimated expenditures). After that, the income rate would be increased each year to cover the cost of the program and to maintain the trust fund at the target level. This measure of the actuarial balance is relatively insensitive to the assumed future interest rates, in keeping with the minor role that interest plays in the financing of a program on a current-cost or pay-as-you-go basis.

The 75-year actuarial balance using the modified average-cost method, under the Trustees' intermediate assumptions, is -4.96 percent of taxable payroll as compared to -4.52 percent based on the present-value method. Based on either measure, the actuarial deficit represents roughly 60 percent of the summarized cost rate. Thus, the HI trust fund fails the Trustees' test of long-range close actuarial balance by a wide margin using either measure. Table III.A1 compares the summarized HI projections based on the modified average-cost method to those based on the present-value method, as used elsewhere in this report.

Table III.A1.—Actuarial Balances of the HI Program, Under Three Sets of Assumptions: Modified Average-Cost Method versus Present-Value Method

	Intermediate	Alternative	
	assumptions	Low Cost	High Cost
Projection Periods:			
Modified Average-Cost Method			
1996-2020:			
Summarized income rate ¹	3.07%	3.05%	3.09%
Summarized cost rate ²	4.97	4.06	6.24
Actuarial balance ³	-1.90	-1.01	-3.15
1996-2045:			
Summarized income rate ¹	3.17	3.13	3.23
Summarized cost rate ²	6.87	4.55	10.94
Actuarial balance ³	-3.70	-1.42	-7.71
1996-2070:			
Summarized income rate ¹	3.23	3.17	3.34
Summarized cost rate ²	8.20	4.97	14.17
Actuarial balance ³	-4.96	-1.80	-10.83
Present-Value Method			
1996-2020:			
Summarized income rate	3.07%	3.05%	3.09%
Summarized cost rate ⁴	5.01	4.05	6.36
Actuarial balance ³	-1.95	-1.00	-3.27
1996-2045:			
Summarized income rate	3.16	3.12	3.21
Summarized cost rate ⁴	6.68	4.48	10.51
Actuarial balance ³	-3.52	-1.36	-7.29
1996-2070:			
Summarized income rate	3.21	3.15	3.30
Summarized cost rate ⁴	7.72	4.82	12.96
Actuarial balance ³	-4.52	-1.67	-9.67

¹Under present law.

²Expenditures for benefit payments and administrative costs for insured beneficiaries, on an incurred basis, expressed as a percentage of taxable payroll, computed on the modified average-cost basis, including the cost of maintaining the trust fund at a level of 100% of the following year's estimated expenditures, and including an offset to cost due to the beginning trust fund balance.

³Difference between the summarized income rate and the summarized cost rate.

⁴Expenditures for benefit payments and administrative costs for insured beneficiaries, on an incurred basis, expressed as a percentage of taxable payroll, computed on the present-value basis, including the cost of attaining a trust fund balance at the end of the period equal to 100% of the following year's estimated expenditures, and including an offset to cost due to the beginning trust fund balance.

Note: Totals do not necessarily equal the sums of rounded components.

**B. LONG-RANGE ESTIMATES OF MEDICARE INCURRED
DISBURSEMENTS AS A PERCENTAGE OF GROSS
DOMESTIC PRODUCT**

Expressing Medicare incurred disbursements as a percentage of the gross domestic product (GDP) gives a relative measure of the size of the Medicare program compared to the general economy. The projection of this measure affords the public an idea of the relative financial resources that will be necessary to pay for Medicare services.

Table III.B1 shows estimated incurred disbursements for the HI and SMI programs under the intermediate assumptions expressed as a percentage of GDP, for selected years over the period 1995-2070. These incurred disbursements assume no change in current law for any specific program legislation or for any comprehensive health care reform. The 75-year projection period fully allows for the presentation of future contingencies that reasonably may be expected to occur, such as the impact of a large increase in enrollees which occurs after the turn of the century. This large increase in enrollees occurs because the relatively large number of persons born during the period between the end of World War II and the mid-1960's (known as the baby boom) will reach retirement age and begin to receive benefits.

Table III.B1.—HI and SMI Incurred Disbursements as a Percent of Gross Domestic Product¹

Calendar year	Disbursements as a percent of GDP		
	HI	SMI	Total
1995	1.63	0.92	2.55
1996	1.71	0.98	2.69
2000	1.97	1.17	3.14
2005	2.20	1.49	3.69
2010	2.41	1.97	4.38
2015	2.73	2.47	5.20
2020	3.13	2.82	5.95
2025	3.52	3.17	6.69
2030	3.92	3.47	7.39
2035	4.22	3.61	7.83
2040	4.40	3.61	8.01
2045	4.52	3.55	8.07
2050	4.59	3.51	8.10
2055	4.62	3.54	8.16
2060	4.75	3.64	8.39
2065	4.89	3.74	8.63
2070	5.04	3.79	8.83

¹Disbursements are the sum of benefit payments and administrative expenses.

Percentage of GDP

For HI, program costs beyond the first 25-year projection period are based on the assumption that costs per unit of service will increase at the same rate as average hourly earnings. The associated aggregate disbursements are then represented as a percentage of GDP. For SMI, increases in the costs per enrollee during the initial 25-year period are assumed to gradually decline in the last 12 years to the same rate as GDP per capita and then to continue at the same rate as GDP per capita in the next 50 years. Given the historical experience of SMI costs per enrollee increasing faster than GDP per capita, the assumption of the increases in costs per enrollee declining to the same rate as GDP per capita may be considered optimistic because changes in the last 50 years of the estimation period reflect only the impact of the changing demographic composition of the population. However, assuming a continuation of the historical trend would result in an SMI program so large as a percentage of GDP that it would be implausible given other demands on those resources.

Based on these assumptions, incurred Medicare disbursements as a percent of GDP are projected to increase rapidly from 2.55 percent in 1995 to 7.83 percent in 2035 and then to increase gradually to 8.83 percent by 2070. After 2035, while Medicare disbursements as a percent of GDP increase more slowly, the HI percentage grows steadily while the SMI percentage decreases slightly through 2050 and then increases again through 2070.

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***C. ANNOUNCEMENT OF THE MEDICARE PART A
INPATIENT HOSPITAL DEDUCTIBLE AND HOSPITAL AND
EXTENDED CARE SERVICES COINSURANCE AMOUNTS,
FOR CALENDAR YEAR 1996***¹¹

SUMMARY: This notice announces the inpatient hospital deductible and the hospital and extended care services coinsurance amounts for services furnished in calendar year 1996 under Medicare's hospital insurance program (Medicare Part A). The Medicare statute specifies the formulae to be used to determine these amounts.

The inpatient hospital deductible will be \$736. The daily coinsurance amounts will be: (a) \$184 for the 61st through 90th days of hospitalization in a benefit period; (b) \$368 for lifetime reserve days; and (c) \$92 for the 21st through 100th days of extended care services in a skilled nursing facility in a benefit period.

Effective Date: January 1, 1996.

SUPPLEMENTARY INFORMATION:

1. Background

Section 1813 of the Social Security Act (the Act) provides for an inpatient hospital deductible to be subtracted from the amount payable by Medicare for inpatient hospital services furnished to a beneficiary. It also provides for certain coinsurance amounts to be subtracted from the amounts payable by Medicare for inpatient hospital and extended care services. Section 1813(b)(2) of the Act requires the Secretary to determine and publish between September 1 and September 15 of each year the amount of the inpatient hospital deductible and the hospital and extended care services coinsurance amounts applicable for services furnished in the following calendar year.

¹¹Extracted from the notice entitled "Medicare Program; Inpatient Hospital Deductible and Hospital and Extended Care Services Coinsurance Amounts for 1996," which was published in the Federal Register on October 16, 1995 (Vol. 60, no. 199, pp. 53625-53626).

2. Computing the Inpatient Hospital Deductible for 1996

Section 1813(b) of the Act prescribes the method for computing the amount of the inpatient hospital deductible. The inpatient hospital deductible is an amount equal to the inpatient hospital deductible for the preceding calendar year, changed by the Secretary's best estimate of the payment-weighted average of the applicable percentage increases (as defined in section 1886(b)(3)(B) of the Act). This estimate is used for updating the payment rates to hospitals for discharges in the fiscal year (FY) that begins on October 1 of the same preceding calendar year and adjusted to reflect real case mix. The adjustment to reflect real case mix is determined on the basis of the most recent case mix data available. The amount determined under this formula is rounded to the nearest multiple of \$4 (or, if midway between two multiples of \$4, to the next higher multiple of \$4).

For FY 1996, section 1886(b)(3)(B)(I)(XI) of the Act provides that the applicable percentage increase for hospitals in all areas is the market basket percentage increase minus 2.0 percent. Section 1886(b)(3)(B)(ii)(V) of the Act provides that, for FY 1996, the otherwise applicable rate-of-increase percentages (the market basket percentage increase) for hospitals that are excluded from the prospective payment system are reduced by the lesser of 1 percentage point or the percentage point difference between 10 percent and the percentage by which the hospital's allowable operating costs of inpatient hospital services for cost reporting periods beginning in FY 1990 exceeds the hospital's target amount. Hospitals or distinct part hospital units with FY 1990 operating costs exceeding target amounts by 10 percent or more receive the market basket index percentage. The market basket percentage increases for FY 1996 are 3.5 percent for prospective payment system hospitals and 3.4 percent for hospitals excluded from the prospective payment system, as announced in the *Federal Register* on September 1, 1995 (60 FR 45778). Therefore, the percentage increases for Medicare prospective payment rates are 1.5 percent for all hospitals. The average payment percentage increase for hospitals excluded from the prospective payment system is 2.84 percent. Thus, weighting these percentages in accordance with payment volume, our best estimate of the payment-weighted average of the increases in the payment rates for FY 1996 is 1.65 percent.

To develop the adjustment for real case mix, an average case mix was first calculated for each hospital that reflects the relative costliness of that hospital's mix of cases compared to that of other hospitals. We then computed the increase in average case mix for hospitals paid under the

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Medicare prospective payment system in FY 1995 compared to FY 1994. (Hospitals excluded from the prospective payment system were excluded from this calculation since their payments are based on reasonable costs and are affected only by real increases in case mix.) We used bills from prospective payment hospitals received in HCFA as of the end of July 1995. These bills represent a total of about 8.0 million discharges for FY 1995 and provide the most recent case mix data available at this time. Based on these bills, the increase in average case mix in FY 1995 is 1.1 percent. Based on past experience, we expect overall case mix to increase to 1.4 percent as the year progresses and more FY 1995 data become available.

Section 1813 of the Act requires that the inpatient hospital deductible be increased only by that portion of the case mix increase that is determined to be real. We estimate that the increase in real case mix is about 1 percent. Since real case mix had been assumed to be increasing at about 1 percent per year in prior years, we expect a return to this trend.

Thus, the estimate of the payment-weighted average of the applicable percentage increases used for updating the payment rates is 1.65 percent, and the real case mix adjustment factor for the deductible is 1 percent. Therefore, under the statutory formula, the inpatient hospital deductible for services furnished in calendar year 1996 is \$736. This deductible amount is determined by multiplying \$716 (the inpatient hospital deductible for 1995) by the payment rate increase of 1.0165 multiplied by the increase in real case mix of 1.01 which equals \$735.09 and is rounded to \$736.

3. Computing the Inpatient Hospital and Extended Care Services Coinsurance Amounts for 1996

The coinsurance amounts provided for in section 1813 of the Act are defined as fixed percentages of the inpatient hospital deductible for services furnished in the same calendar year. Thus, the increase in the deductible generates increases in the coinsurance amounts. For inpatient hospital and extended care services furnished in 1996, in accordance with the fixed percentages defined in the law, the daily coinsurance for the 61st through 90th days of hospitalization in a benefit period will be \$184 ($\frac{1}{4}$ of the inpatient hospital deductible); the daily coinsurance for lifetime reserve days will be \$368 ($\frac{1}{2}$ of the inpatient hospital deductible); and the daily coinsurance for the 21st through 100th days of extended care services in a skilled nursing facility in a benefit period will be \$92 ($\frac{1}{8}$ of the inpatient hospital deductible).

4. Cost to Beneficiaries

We estimate that in 1996 there will be about 9.2 million deductibles paid at \$736 each, about 3.4 million days subject to coinsurance at \$184 per day (for hospital days 61 through 90), about 1.5 million lifetime reserve days subject to coinsurance at \$368 per day, and about 21.9 million extended care days subject to coinsurance at \$92 per day. Similarly, we estimate that in 1995 there will be about 8.9 million deductibles paid at \$716 each, about 3.3 million days subject to coinsurance at \$179 per day (for hospital days 61 through 90), about 1.5 million lifetime reserve days subject to coinsurance at \$358 per day, and about 21.2 million extended care days subject to coinsurance at \$89.50 per day. Therefore, the estimated total increase in cost to beneficiaries is about \$570 million (rounded to the nearest \$10 million), due to (1) the increase in the deductible and coinsurance amounts and (2) the change in the number of deductibles and daily coinsurance amounts paid.

5. Impact Statement

This notice merely announces amounts required by legislation. This notice is not a proposed rule or a final rule issued after a proposal and does not alter any regulation or policy. Therefore, we have determined, and certify, that no analyses are required under Executive Order 12866, the Regulatory Flexibility Act (5 U.S.C. 601 through 612), or section 1102(b) of the Act.

Dated: September 26, 1995.

Bruce C. Vladeck,
Administrator,
Health Care Financing Administration

Dated: September 29, 1995.

Donna E. Shalala,
Secretary

***D. ANNOUNCEMENT OF THE MEDICARE PART A MONTHLY
PREMIUM RATE FOR THE UNINSURED AGED AND FOR
CERTAIN DISABLED INDIVIDUALS WHO HAVE
EXHAUSTED OTHER ENTITLEMENT, FOR CALENDAR YEAR
1996***¹²

SUMMARY: This notice announces the hospital insurance premium for calendar year 1996 under Medicare's hospital insurance program (Part A) for the uninsured aged and for certain disabled individuals who have exhausted other entitlement. The monthly Medicare Part A premium for the 12 months beginning January 1, 1996 for these individuals is \$289. The reduced premium for certain other individuals as described in this notice is \$188. Section 1818(d) of the Social Security Act specifies the method to be used to determine these amounts.

Effective Date: January 1, 1996.

SUPPLEMENTARY INFORMATION:

1. Background

Section 1818 of the Social Security Act (the Act) provides for voluntary enrollment in the Medicare hospital insurance program (Medicare Part A), subject to payment of a monthly premium, of certain persons who are age 65 and older, uninsured for social security or railroad retirement benefits and do not otherwise meet the requirements for entitlement to Medicare Part A. (Persons insured under the Social Security or Railroad Retirement Acts need not pay premiums for hospital insurance.)

Section 1818(d) of the Act requires the Secretary to estimate, on an average per capita basis, the amount to be paid from the Federal Hospital Insurance Trust Fund for services performed and for related administrative costs incurred in the following year with respect to individuals age 65 and over who will be entitled to benefits under Medicare Part A. The Secretary must then, during September of each

¹²Extracted from the notice entitled "Medicare Program; Part A Premium for 1996 for the Uninsured Aged and for Certain Disabled Individuals Who Have Exhausted Other Entitlement," which was published in the Federal Register on October 16, 1995 (Vol. 60, No. 199, pp. 53631-53632).

year, determine the monthly actuarial rate (the per capita amount estimated above divided by 12) and publish the dollar amount to be applicable for the monthly premium in the succeeding year. If the premium is not a multiple of \$1, the premium is rounded to the nearest multiple of \$1 (or, if it is a multiple of 50 cents but not of \$1, it is rounded to the next highest \$1). The 1995 premium under this method was \$261 and was effective January 1995. (See 59 FR 61626; December 1, 1994.)

Section 1818(d)(2) of the Act requires the Secretary to determine and publish, during September of each calendar year, the amount of the monthly premium for the following calendar year for persons who voluntarily enroll in Medicare Part A.

Section 1818A of the Act provides for voluntary enrollment in Medicare Part A, subject to payment of a monthly premium, of certain disabled individuals who have exhausted other entitlement. These individuals are those not now entitled but who have been entitled under section 226(b) of the Act, continue to have the disabling impairment upon which their entitlement was based, and whose entitlement ended solely because they had earnings that exceeded the substantial gainful activity amount (as defined in section 223(d)(4) of the Act).

Section 1818A(d)(2) of the Act specifies that the premium determined under section 1818(d)(2) of the Act for the aged will also apply to certain disabled individuals as described above.

In addition, section 1818(d) of the Act provides for a reduction in the monthly premium amount for certain voluntary enrollees. The reduction applies for individuals who are not eligible for social security or railroad retirement benefits but who:

- (1) Had at least 30 quarters of coverage under title II of the Act;
- (2) Were married and had been married for the previous 1-year period to an individual who had at least 30 quarters of coverage;
- (3) Had been married to an individual for at least 1 year at the time of the individual's death and the individual had at least 30 quarters of coverage; or

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- (4) Are divorced from an individual who at the time of divorce had at least 30 quarters of coverage and the marriage lasted at least 10 years.

For calendar year 1996, section 1818(d)(4)(A) of the Act specifies that the monthly premium that these individuals will pay for calendar year 1996 will be equal to the monthly premium for aged voluntary enrollees reduced by 35 percent.

2. Premium Amount for 1996

Under the authority of sections 1818(d)(2) and 1818A(d)(2) of the Act, we have determined that the monthly Medicare Part A hospital insurance premium for the uninsured aged and for certain disabled individuals who have exhausted other entitlement for the 12 months beginning January 1, 1996 is \$289.

The monthly premium for those individuals entitled to a 35 percent reduction in the monthly premium for the 12-month period beginning January 1, 1996 is \$188.

3. Statement of Actuarial Assumptions and Bases Employed in Determining the Monthly Premium Rate

As discussed in section 1 of this notice, the monthly Medicare Part A premium for 1996 is equal to the estimated monthly actuarial rate for 1996 rounded to the nearest multiple of \$1. The monthly actuarial rate is defined to be one-twelfth of the average per capita amount that the Secretary estimates will be paid from the Federal Hospital Insurance Trust Fund for services performed and related administrative costs incurred in 1996 for individuals age 65 and over who will be entitled to benefits under the hospital insurance program. Thus, the number of individuals age 65 and over who will be entitled to hospital insurance benefits and the costs incurred on behalf of these beneficiaries must be projected to determine the premium rate.

The principal steps involved in projecting the future costs of the hospital insurance program are (a) establishing the present cost of services provided to beneficiaries, by type of service, to serve as a projection base; (b) projecting increases in payment amounts for each of the various service types; and © projecting increases in administrative costs. Establishing historical Medicare Part A enrollment and projecting future enrollment, by type of beneficiary, is part of this process.

We have completed all of the above steps, basing our projections for 1996 on (a) current historical data and (b) projection assumptions under current law from the Midsession Review of the President's Fiscal Year 1996 Budget. It is estimated that in calendar year 1996, 32.496 million people age 65 and over will be entitled to Medicare Part A benefits (without premium payment), and that these individuals will, in 1996, incur \$112.688 billion of benefits for services performed and related administrative costs. Thus, the estimated monthly average per capita amount is \$288.98 and the monthly premium is \$289. The monthly premium for those individuals eligible to pay this premium reduced by 35 percent is \$188.

4. Costs to Beneficiaries

The 1996 Medicare Part A premium is about 11 percent higher than the \$261 monthly premium amount for the 12-month period beginning January 1, 1995.

We estimate that there will be, in calendar year 1996, approximately 304,000 enrollees who will voluntarily enroll in Medicare Part A by paying the full premium and who do not otherwise meet the requirements for entitlement. An additional 5,000 enrollees will be paying the reduced premium. The estimated overall effect of the changes in the premium will be a cost to these voluntary enrollees of about \$100 million.

5. Impact Statement

This notice merely announces amounts required by statute. This notice is not a proposed rule or a final rule issued after a proposal, and it does not alter any regulation or policy. Therefore, we have determined, and certify, that no analyses are required under the Regulatory Flexibility Act (5 U.S.C 601 through 612) or section 1102(b) of the Act.

In accordance with the provisions of Executive Order 12866, this notice was reviewed by the Office of Management and Budget.

Dated: September 26, 1995.

Bruce C. Vladeck,
Administrator,
Health Care Financing Administration

E. GLOSSARY

Actuarial balance. The difference between the summarized income rate and the summarized cost rate over a given valuation period.

Actuarial deficit. A negative actuarial balance.

Administrative expenses. Expenses incurred by the Department of HHS and the Department of the Treasury in administering the HI program and the provisions of the Internal Revenue Code relating to the collection of contributions. Such administrative expenses, which are paid from the HI trust fund, include expenditures for intermediaries to determine costs of and make payments to providers as well as salaries and expenses of the HCFA.

Advisory Council on Social Security. Prior to the enactment of the Social Security Independence and Program Improvements Act of 1994 (Public Law 103-296) on August 15, 1994, the Social Security Act required the appointment of an Advisory Council every 4 years to study and review the financial status of the OASDI and Medicare programs. The most recent Advisory Council was appointed on June 9, 1994, and is currently reviewing the financial status of the OASDI program. Under the provisions of Public Law 103-296, this is the last Advisory council to be appointed.

Aged enrollee. An individual, age 65 or over, who is enrolled in the HI program.

Assets. Treasury notes and bonds guaranteed by the federal government and cash held by the trust funds for investment purposes.

Assumptions. Values relating to future trends in certain key factors which affect the balance in the trust funds. Demographic assumptions include fertility, mortality, net immigration, marriage, divorce, retirement patterns, disability incidence and termination rates, and changes in the labor force. Economic assumptions include unemployment, average earnings, inflation, interest rates, and productivity. Three sets of economic assumptions are presented in the Trustees Report:

- (1) The low cost alternative, with relatively rapid economic growth, low inflation, and favorable (from the standpoint of program financing) demographic conditions;

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- (2) The intermediate assumptions represent the Trustees' best estimates of likely future economic and demographic conditions; and
- (3) The high cost alternative, with slow economic growth, more rapid inflation, and financially disadvantageous demographic conditions.

See also "Hospital assumptions."

Average market yield. A computation which is made on all marketable interest-bearing obligations of the United States. It is computed on the basis of market quotations as of the end of the calendar month next preceding the date of such issue.

Baby boom. The period from the end of World War II through the mid-1960's marked by unusually high birth rates.

Base estimate. The updated estimate of the most recent historical year.

Beneficiary. A person enrolled in the HI program. See also "Aged enrollee" and "Disabled enrollee."

Benefit payments. The amounts disbursed for covered services after the deductible and coinsurance amounts have been deducted.

Benefit period. An alternate name for "spell of illness."

Board of Trustees. A Board established by the Social Security Act to oversee the financial operations of the Federal Hospital Insurance Trust Fund. The Board is composed of six members, four of whom serve automatically by virtue of their positions in the federal government: the Secretary of the Treasury, who is the Managing Trustee, the Secretary of Labor, the Secretary of Health and Human Services, and the Commissioner of Social Security. The other two members are appointed by the President and confirmed by the Senate to serve as public representatives. Stephen G. Kellison and Marilyn Moon began serving 4-year terms on July 20, 1995. The Commissioner of Social Security became a member of the Board effective March 31, 1995, under Public Law 103-296, approved August 15, 1994. The Administrator of the HCFA serves as Secretary of the Board of Trustees.

Bond. A certificate of ownership of a specified portion of a debt due by the federal government to holders, bearing a fixed rate of interest.

Callable. Subject to redemption upon notice, such as a bond.

Case mix index. The average DRG relative weight for all the Medicare admissions.

Cash basis. The costs of the service at the point payment was made rather than when the service was performed.

Certificate of indebtedness. A short-term certificate of ownership of 12 months or less of a specified portion of a debt due by the federal government to individual holders, bearing a fixed rate of interest.

Coinsurance. See "Hospital coinsurance" and "SNF coinsurance."

Consumer Price Index (CPI). A measure of the average change in prices over time in a fixed group of goods and services. In this report, all references to the CPI relate to the Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W).

Contribution base. See "Maximum tax base."

Contributions. See "Payroll taxes."

Cost rate. The ratio of the cost (or outgo, expenditures, or disbursements) of the program on an incurred basis during a given year to the taxable payroll for the year. In this context, the outgo is defined to exclude benefit payments and administrative costs for certain uninsured persons, for whom payments are reimbursed from the general fund of the Treasury, and for voluntary enrollees, who pay a premium in order to be enrolled.

Covered earnings. Earnings in employment covered by the HI program.

Covered employment. All employment and self-employment creditable for Social Security purposes. Almost every kind of employment and self-employment is covered under the program. In a few employment situations, for example, religious orders under a vow of poverty, foreign affiliates of American employers, or State and local governments, coverage must be elected by the employer. However, effective July 1991, coverage is mandatory for State and local employees who are not participating in a public employee retirement system. All new State and local employees have been covered since April 1986. In a few situations, for example, ministers or self-employed members of

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certain religious groups, workers can opt out of coverage. Covered employment for HI includes all federal employees (whereas covered employment for OASDI includes some, but not all, federal employees).

Covered services. Services for which HI pays, as defined and limited by statute. Covered services are provided by hospitals (inpatient care), skilled nursing facilities, home health agencies, and hospices.

Covered worker. A person who has earnings creditable for Social Security purposes on the basis of services for wages in covered employment and/or on the basis of income from covered self-employment. The number of HI covered workers is slightly larger than the number of OASDI covered workers because of different coverage status for federal employment. See “Covered employment.”

Deductible. See “Inpatient hospital deductible.”

Deemed wage credit. See “Non-contributory or deemed wage credits.”

Demographic assumptions. See “Assumptions.”

Diagnosis-related groups (DRGs). A classification system that groups patients according to diagnosis, type of treatment, age, and other relevant criteria. Under the prospective payment system, hospitals are paid a set fee for treating patients in a single DRG category, regardless of the actual cost of care for the individual.

Disability. For Social Security purposes, the inability to engage in substantial gainful activity by reason of any medically determinable physical or mental impairment that can be expected to result in death or to last for a continuous period of not less than 12 months. Special rules apply for workers age 55 or older whose disability is based on blindness. The law generally requires that a person be disabled continuously for 5 months before he or she can qualify for a disabled-worker cash benefit. An additional 24 months is necessary to qualify for benefits under Medicare.

Disability Insurance (DI). See “Old-Age, Survivors, and Disability Insurance (OASDI).”

Disabled enrollee. An individual under age 65 who has been entitled to disability benefits under Title II of the Social Security Act or the Railroad Retirement system for at least 2 years and who is enrolled in the HI program.

DRG Coding. The DRG categories used by hospitals on discharge billing. See also "Diagnosis-related groups (DRGs)."

Earnings. Unless otherwise qualified, all wages from employment and net earnings from self-employment, whether or not taxable or covered.

Economic assumptions. See "Assumptions."

Extended care services. In the context of this report, an alternate name for "skilled nursing facility services."

Federal Insurance Contributions Act (FICA). Provision authorizing taxes on the wages of employed persons to provide for the OASDI and HI programs. The tax is paid in equal amounts by covered workers and their employers.

Financial interchange. Provisions of the Railroad Retirement Act providing for transfers between the trust funds and the Social Security Equivalent Benefit Account of the Railroad Retirement program in order to place each trust fund in the same position as if railroad employment had always been covered under Social Security.

Fiscal year (FY). The accounting year of the United States Government. Since 1976, each fiscal year has begun October 1 of the prior calendar year and ended the following September 30. For example, fiscal year 1996 began October 1, 1995 and will end September 30, 1996.

Fixed capital assets. The net worth of facilities and other resources.

General fund of the Treasury. Funds held by the Treasury of the United States, other than revenue collected for a specific trust fund (such as HI) and maintained in a separate account for that purpose. The majority of this fund is derived from individual and business income taxes.

General revenue. Income to the HI trust fund from the general fund of the Treasury. Only a very small percentage of total HI trust fund income each year is attributable to general revenue.

Gramm-Rudman-Hollings Act. The Balanced Budget and Emergency Deficit Control Act of 1985.

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Gross Domestic Product (GDP). The total dollar value of all goods and services produced in a year in the United States, regardless of who supplies the labor or property.

High cost alternative. See “Assumptions.”

Home health agency (HHA). A public agency or private organization which is primarily engaged in providing skilled nursing services, other therapeutic services, such as physical, occupational, or speech therapy, and home health aide services, in the home.

Hospice. A provider of care for the terminally ill; delivered services generally include home health care, nursing care, physician services, medical supplies, and short-term inpatient hospital care.

Hospital assumptions. These include differentials between hospital labor and non-labor indices compared to general economy labor and non-labor indices, rates of admission incidence, the trend toward treating less complicated cases in outpatient settings, and continued improvement in DRG coding, etc.

Hospital coinsurance. For the 61st through 90th day of hospitalization in a benefit period, a daily amount for which the beneficiary is responsible, equal to one-fourth of the inpatient hospital deductible; for lifetime reserve days, a daily amount for which the beneficiary is responsible, equal to one-half of the inpatient hospital deductible (see “Lifetime reserve days”).

Hospital input price index. An alternate name for “hospital market basket.”

Hospital Insurance (HI). The Medicare program which covers specified inpatient hospital services, posthospital skilled nursing care, home health services, and hospice care for aged and disabled individuals who meet the eligibility requirements. Also known as Medicare Part A.

Hospital market basket. The cost of the mix of goods and services (including personnel costs but excluding nonoperating costs) comprising routine, ancillary, and special care unit inpatient hospital services.

Income rate. The ratio of income from tax revenues on an incurred basis (payroll tax contributions and income from the taxation of OASDI benefits) to the HI taxable payroll for the year.

Incurred basis. The costs based on when the service was performed rather than when the payment was made.

Inpatient hospital deductible. An amount of money which is deducted from the amount payable by Medicare Part A for inpatient hospital services furnished to a beneficiary during a spell of illness.

Inpatient hospital services. These services include bed and board, nursing services, diagnostic or therapeutic services, and medical or surgical services.

Interest. A payment for the use of money during a specified period.

Interfund borrowing. The borrowing of assets by a trust fund (OASI, DI, HI or SMI) from another of the trust funds when one of the funds is in danger of exhaustion. Interfund borrowing was authorized only during 1982-1987.

Intermediary. A private or public organization, under contract to the HCFA, to determine costs of and make payments to providers for HI and certain SMI services.

Intermediate assumptions. See "Assumptions."

Lifetime reserve days. Under HI, there are 60 lifetime reserve days per beneficiary which the beneficiary may opt to use when regular inpatient hospital benefits are exhausted. The beneficiary pays one-half of the inpatient hospital deductible for each lifetime reserve day used.

Long-range. The next 75 years.

Low cost alternative. See "Assumptions."

Market basket. See "Hospital market basket."

Maximum tax base. Annual dollar amount above which earnings in employment covered under the HI program are not taxable. Beginning in 1994, the maximum tax base is eliminated under HI.

Maximum taxable amount of annual earnings. See "Maximum tax base."

Medicare. A nationwide, federally administered health insurance program authorized in 1965 to cover the cost of hospitalization, medical

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care, and some related services for most people over age 65. In 1972 coverage was extended to people receiving Social Security Disability Insurance payments for 2 years, and people with ESRD. Medicare consists of two separate but coordinated programs—Part A (Hospital Insurance, HI) and Part B (Supplementary Medical Insurance, SMI). Almost all persons aged 65 and over or disabled entitled to HI are eligible to enroll in the SMI program on a voluntary basis by paying a monthly premium. Health insurance protection is available to Medicare beneficiaries without regard to income.

Military service wage credits. Credits recognizing that military personnel receive other cash payments and wages in kind (such as food and shelter) in addition to their basic pay. Noncontributory wage credits of \$160 are provided for each month of active military service from September 16, 1940, through December 31, 1956. For years after 1956, the basic pay of military personnel is covered under the Social Security program on a contributory basis. Noncontributory wage credits of \$300 for each calendar quarter in which a person receives pay for military service from January 1957 through December 1977 are granted in addition to contributory credits for basic pay. Deemed wage credits of \$100 are granted for each \$300 of military wages in years after 1977. (The maximum credits allowed in any calendar year are \$1,200.) (See also “Quinquennial military service determinations and adjustments.”)

Modified average-cost method. Under this system of calculating summary measures, the actuarial balance is defined as the difference between the arithmetic means of the annual cost rates and the annual income rates, with an adjustment included to account for the offsets to cost that are due to (1) the starting trust fund balance and (2) interest earned on the trust fund.

Non-contributory or deemed wage credits. Wages and wages in kind that were not subject to the HI tax but that are deemed as having been. This is done for the purposes of (1) determining HI program eligibility for individuals who might not be eligible for HI coverage without payment of premium were it not for the deemed wage credits and (2) calculating reimbursement due the HI trust fund from the general fund of the Treasury. The first purpose applies in the case of providing coverage to persons during the transitional periods when the HI program began and when it was expanded to cover federal employees; both purposes apply in the cases of military service wage credits (see “Military service wage credits” and “Quinquennial military service determinations and adjustments”) and deemed wage credits

granted for the internment of persons of Japanese ancestry during World War II.

Old-Age, Survivors, and Disability Insurance (OASDI). The Social Security programs which pay for (1) monthly cash benefits to retired-worker (old-age) beneficiaries and their spouses and children and to survivors of deceased insured workers (OASI) and (2) monthly cash benefits to disabled-worker beneficiaries and their spouses and children and for providing rehabilitation services to the disabled (DI).

Part A. The Medicare Hospital Insurance program.

Part A premium. A monthly premium paid by or on behalf of individuals who wish for and are entitled to voluntary enrollment in the Medicare HI program. These individuals are those who are age 65 and older who are uninsured for social security or railroad retirement and do not otherwise meet the requirements for entitlement to Part A. In addition, disabled individuals who have exhausted other entitlement are qualified. These individuals are those not now entitled but who have been entitled under section 226(b) of the Act, continue to have the disabling impairment upon which their entitlement was based, and whose entitlement ended solely because the individuals had earnings that exceeded the substantial gainful activity amount (as defined in section 223(d)(4) of the Act).

Part B. The Medicare Supplementary Medical Insurance program.

Participating hospitals. Those hospitals who participate in the Medicare program.

Pay-as-you-go financing. A financing scheme where taxes are scheduled to produce just as much income as required to pay current benefits, with trust fund assets built up only to the extent needed to prevent exhaustion of the fund by random fluctuations.

Payroll taxes. Taxes levied on the gross wages of workers.

Peer Review Organization (PRO). A group of practicing physicians and other health care professionals, paid by the federal government, to review the care given to Medicare patients.

Present value. The present value of a future stream of payments is the lump-sum amount that, if invested today, together with interest earnings would be just enough to meet each of the payments as they fell

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due. At the time of the last payment, the invested fund would be exactly zero.

Projection error. Degree of variation between estimated and actual amounts.

Prospective Payment Assessment Commission (ProPAC). A commission established by the Social Security Amendments of 1983 to review and recommend the appropriate percentage changes which should be effected for payments for inpatient hospital discharges each fiscal year beginning with fiscal year 1986. Furthermore, the ProPAC is expected to study and make recommendations regarding existing reimbursement policy for each fiscal year.

Prospective payment system (PPS). A method of reimbursement for hospitals which was implemented effective with hospital cost reporting periods beginning on or after October 1, 1983. Under this system, Medicare payment is made at a predetermined, specific rate for each discharge. All discharges are classified according to a list of diagnosis-related groups (DRGs).

Provider. Any organization, institution, or individual who provides health care services to Medicare beneficiaries. Hospitals (inpatient services), skilled nursing facilities, home health agencies, and hospices are the providers of services covered under Medicare Part A.

Proxy. An index of known values that likely approximates an index for which values are unavailable. The proxy is used as a "stand-in" for the unavailable index.

Quinquennial military service determination and adjustments. Prior to the Social Security Amendments of 1983, quinquennial determinations (i.e., estimates made once every 5 years) were made of the costs arising from the granting of deemed wage credits for military service prior to 1957; annual reimbursements were made from the general fund of the Treasury to the HI trust fund for these costs. The Social Security Amendments of 1983 provided for (1) a lump-sum transfer in 1983 for (a) the costs arising from the pre-1957 wage credits and (b) amounts equivalent to the HI taxes that would have been paid on the deemed wage credits for military service for 1966 through 1983, inclusive, if such credits had been counted as covered earnings; (2) quinquennial adjustments to the pre-1957 portion of the 1983 lump-sum transfer; (3) general fund transfers equivalent to HI taxes on military deemed wage credits for 1984 and later to be credited to the fund on

July 1 of each year; and (4) adjustments as deemed necessary to any previously transferred amounts representing HI taxes on military deemed wage credits.

Railroad Retirement. A federal insurance program similar to Social Security designed for workers in the railroad industry. The provisions of the Railroad Retirement Act provide for a system of coordination and financial interchange between the Railroad Retirement program and the Social Security program.

Real-wage differential. The difference between the percentage increases, before rounding, in (1) the average annual wage in covered employment, and (2) the average annual Consumer Price Index.

Reasonable cost basis. The calculation to determine the reasonable cost incurred by individual providers when furnishing covered services to beneficiaries. The reasonable cost is based on the actual cost of providing such services, including direct and indirect costs of providers, and excluding any costs which are unnecessary in the efficient delivery of services covered by a health insurance program.

Self-employment. Operation of a trade or business by an individual or by a partnership in which an individual is a member.

Self-Employment Contributions Act (SECA). Provision authorizing taxes on the net income of most self-employed persons to provide for the OASDI and HI programs.

Sequester. The reduction of funds to be used for benefits or administrative costs from a federal account based on the requirements specified in the Gramm-Rudman-Hollings Act.

Short-range. The next 10 years.

Skilled nursing facility (SNF). An institution which is primarily engaged in providing skilled nursing care and related services for residents who require medical or nursing care, or engaged in rehabilitation of injured, disabled, or sick persons.

SNF coinsurance. For the 21st through 100th day of extended care services in a benefit period, a daily amount for which the beneficiary is responsible, equal to 1/8 of the inpatient hospital deductible.

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Social Security Act. Public Law 74-271, enacted August 14, 1935, with subsequent amendments. The Social Security Act consists of 20 titles, of which four have been repealed. The HI and SMI programs are authorized by Title XVIII of the Social Security Act.

Special public-debt obligation. Securities of the United States Government issued exclusively to the OASI, DI, HI, and SMI trust funds and other federal trust funds. Section 1817(c) of the Social Security Act provides that the public-debt obligations issued for purchase by the HI trust fund shall have maturities fixed with due regard for the needs of the funds. The usual practice in the past has been to spread the holdings of special issues, as of each June 30, so that the amounts maturing in each of the next 15 years are approximately equal. Special public-debt obligations are redeemable at par at any time.

Spell of illness. A period of consecutive days beginning with the first day on which a beneficiary is furnished inpatient hospital or extended care services and ending with the close of the first period of 60 consecutive days thereafter in which the beneficiary is in neither a hospital or skilled nursing facility.

Summarized cost rate. The ratio of the present value of expenditures to the present value of the taxable payroll for the years in a given period. In this context, the expenditures are on an incurred basis and exclude costs for certain uninsured persons, for whom payments are reimbursed from the general fund of the Treasury, and for voluntary enrollees, who pay a premium in order to be enrolled. The summarized cost rate includes the cost of reaching and maintaining a "target" trust fund level, or contingency fund ratio. Because a trust fund level of about one year's expenditures is considered to be an adequate reserve for unforeseen contingencies, the targeted contingency fund ratio used in determining summarized cost rates is 100 percent of annual expenditures. Accordingly, the summarized cost rate is equal to the ratio of (a) the sum of the present value of the outgo during the period plus the present value of the targeted ending trust fund level plus the beginning trust fund level, to (b) the present value of the taxable payroll during the period.

Summarized income rate. The ratio of (a) the present value of the tax revenues incurred during a given period (from both payroll taxes and taxation of OASDI benefits) to (b) the present value of the taxable payroll for the years in the period.

Supplementary Medical Insurance (SMI). The Medicare program which pays for a portion of the costs of physician's services, outpatient hospital services, and other related medical and health services for voluntarily enrolled aged and disabled individuals. Also known as Medicare Part B.

Tax rate. The percentage of taxable earnings, up to the maximum tax base, that is paid for the HI tax. Currently, the percentages are 1.45 for employees and employers, each. The self-employed pay 2.9 percent.

Taxable earnings. Taxable wages and/or self-employment income under the prevailing annual maximum taxable limit.

Taxable payroll. A weighted average of taxable wages and taxable self-employment income. When multiplied by the combined employee-employer tax rate, it yields the total amount of taxes incurred by employees, employers, and the self-employed for work during the period.

Taxable self-employment income. Net earnings from self employment, generally above \$400 and below the annual maximum taxable amount for a calendar or other taxable year, less any taxable wages in the same taxable year.

Taxable wages. Wages paid for services rendered in covered employment up to the annual maximum taxable amount.

Taxation of benefits. Beginning in 1994, up to 85 percent of an individual's or a couple's OASDI benefits is potentially subject to federal income taxation under certain circumstances. The revenue derived from taxation of benefits in excess of 50 percent, up to 85 percent, is allocated to the HI trust fund.

Taxes. See "Payroll taxes."

Test of Long-Range Close Actuarial Balance. Summarized income rates and cost rates are calculated for each of 66 valuation periods within the full 75-year long-range projection period under the intermediate assumptions. The first of these periods consists of the next 10 years. Each succeeding period becomes longer by 1 year, culminating with the period consisting of the next 75 years. The long-range test is met if, for each of the 66 time periods, the actuarial balance is not less than zero or is negative by, at most, a specified percentage of the summarized cost rate for the same time period. The percentage allowed for a negative actuarial balance is 5 percent for the full 75-year period

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and is reduced uniformly for shorter periods, approaching zero as the duration of the time periods approaches the first 10 years. The criterion for meeting the test is less stringent for the longer periods in recognition of the greater uncertainty associated with estimates for more distant years.

Test of Short-Range Financial Adequacy. The conditions required to meet this test are as follows: If the trust fund ratio for a fund exceeds 100 percent at the beginning of the projection period, then it must be projected to remain at or above 100 percent throughout the 10-year projection period; alternatively, if the fund ratio is initially less than 100 percent, it must be projected to reach a level of at least 100 percent within 5 years (and not be depleted at any time during this period) and then remain at or above 100 percent throughout the remainder of the 10-year period. This test is applied to trust fund projections made under the intermediate assumptions.

Trust fund. Separate accounts in the United States Treasury mandated by Congress whose assets may only be used for a specified purpose. For the HI trust fund, monies not withdrawn for current benefit payments and administrative expenses are invested in interest-bearing federal securities, as required by law; the interest earned is also deposited in the trust fund.

Trust fund ratio. A short-range measure of the adequacy of the trust fund level; defined as the assets at the beginning of the year expressed as a percentage of the outgo during the year.

Unit input intensity allowance. The amount added to or subtracted from the hospital input price index to yield the PPS update factor.

Valuation period. A period of years which is considered as a unit for purposes of calculating the status of a trust fund.

Voluntary enrollee. Certain individuals aged 65 or older or disabled, who are not otherwise entitled to Medicare who opt to obtain coverage under Part A by paying a monthly premium.

Year of exhaustion. The first year in which a trust fund is unable to pay benefits when due because the assets of the fund are exhausted.

F. STATEMENT OF ACTUARIAL OPINION

It is my opinion that (1) the techniques and methodology used herein to evaluate the financial status of the Federal Hospital Insurance Trust Fund are based upon sound principles of actuarial practice and are generally accepted within the actuarial profession; and (2) the assumptions used and the resulting actuarial estimates are, in the aggregate, reasonable for the purpose of evaluating the financial status of the trust fund, taking into consideration the experience and expectations of the program.

Although the assumptions used are reasonable, much of the available evidence suggests that they may not be optimal. In particular, the likelihood of a future result that is more adverse than the intermediate projection may exceed the likelihood of a more favorable result. Similarly, an outcome more adverse than the high cost projection may be more probable than one that is better than the low cost projection.

The future cost of the hospital insurance program is very uncertain and reasonable people can disagree concerning the most probable economic and demographic trends. For these reasons, projections are shown in this report under three different sets of assumptions intended to illustrate a broad range of possible outcomes. Readers are cautioned not to focus solely on just one set of assumptions but rather to recognize that any result within the range shown can reasonably be expected to occur.

As noted in this report, the assets of the hospital insurance trust fund are projected to be depleted within 5½ years under all three sets of assumptions. Thus, regardless of the specific assumptions used, the need for prompt attention to the fund's financial imbalance is apparent.



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