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Social Security: What Would Happen If the Trust Funds Ran Out?

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Summary

waiting to act are also serious. By 2040, the benefit cuts and tax increases required of people who rely on Social Security could be disrupted. The consequences of needed today. to achieve long-range solvency are projected to be more than twice as large as those time. If full Social Security benefits could not be paid on time, the lives of millions before then, the trust funds would be unable to pay full Social Security benefits on The Social Security trust funds are projected to become exhausted in 2040, according to the 2006 Social Security Trustees Report. If Congress does not act

Antideficiency Act would need to be resolved either by Congress or by the courts. spending in excess of available funds. After insolvency, Social Security would balance of their benefits. The legal conflict between benefit entitlement and the would remain legally entitled to full benefits and could take legal action to claim the continue to receive tax income, from which some benefits could be paid. Either full could not be paid on time because the Antideficiency Act prohibits government paid on time. benefit checks would be paid on a delayed schedule or reduced benefits would be trust funds became insolvent. However, it is clear that full Social Security benefits The Social Security Act does not specify what would happen to benefits if the In either case, Social Security beneficiaries and qualifying applicants

annual deficits by raising the Social Security payroll tax rate from 12.40% to 16.65% in 2040, then gradually increasing it to 17.78% by 2080. To maintain annual balance after 2080, larger benefit reductions or tax increases would be required. 2041 that will gradually rise to about 30% by 2080. Congress could also eliminate trust funds' annual deficits could be eliminated with benefit cuts of about 26% in longer period of time. If Congress waits until the moment of insolvency to act, the changes could be spread to a larger number of workers and beneficiaries over a spending, increasing its income, or some combination of the two. Over the long range (i.e., through 2080), the Social Security trustees estimate that the trust funds fill this gap, the smaller the changes to Social Security need to be, because earlier have a shortfall of \$4.6 trillion in present value terms. The sooner Congress acts to Social Security solvency could be restored by cutting Social Security's

increases necessary to restore solvency until 2080 would be less than half as large as their retirement plans. Finally, if Congress were to act today, the benefit cuts or tax deficit. Earlier changes would also allow workers and beneficiaries time to adjust those needed if Congress waited until the trust funds became insolvent to act. trust fund bonds will put pressure on the overall federal budget, which is already in Cash-flow deficits will not affect Social Security directly, but the redemption of the 2017, requiring the redemption of government bonds accumulated in earlier years. trustees project that the trust funds will begin to run annual cash-flow deficits in Prompt action to restore Social Security solvency would be advantageous. The

This report will not be updated.

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Conclusion	Impact of Payroll Tax Increases	Size of Payroll Tax Rate Increases	Tax Increase Scenario	Impact of Benefit Cuts	Size of Benefit Cuts	Benefit Cut Scenario	What If Congress Waits to Act?		What Hannens to Benefits in the Case of Insolvency?	Legal Entitlement to Social Security Benefits	The Antideficiency Act	Legal Background on Trust Fund Insolvency	The Trustees' Projections	Historical Trust Fund Operations	How the Trust Funds Work	The Social Security Trust Funds	Background	Introduction
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Social Security: What Would Happen If the Trust Funds Ran Out?

Introduction

restore solvency? How would policy changes at this point affect beneficiaries? will become insolvent.¹ Less attention is paid to what trust fund insolvency would is focused on the trustees' latest projections of when the Social Security trust funds mean. Each year when the Social Security trustees release their annual report, attention What would happen to benefits? What options would Congress have to

in 2080, the last year for which the trustees have made projections. trust funds ran out. For example, many Americans — particularly younger Americans — believe that if the trust funds were exhausted, Social Security will be completely broke and unable to pay any benefits.² This is not the case. In fact, in enough tax income to pay about 74% of scheduled benefits, declining to about 70% 2041, the first full year of projected insolvency, the program is projected to have There are many misconceptions about what would happen if the Social Security

The most likely scenario seems to be that benefit checks would be delayed. act does not specify what would happen to benefits if the trust funds are exhausted benefits or raising taxes to eliminate annual deficits. This is also untrue. In fact, the provision in case of trust fund exhaustion -Another myth is that the Social Security Act includes a specific "fail-safe" for example, a formula for cutting

benefit cuts or tax increases needed and how such changes would affect beneficiaries. allowed the trust funds to run out. trustees' projections of future operations. It explains what could happen if Congress Congress waits until the moment of insolvency to act, showing the magnitude of It describes the historical operations of the trust funds and the Social Security This report explains what the Social Security trust funds are and how they work. It also analyzes two scenarios that assume

¹ The 2006 Trustees Report projected trust fund exhaustion in 2040. (Social Security [http://www.ssa.gov/OACT/TR/TR06/tr06.pdf]. Hereafter cited as 2006 Social Security Administration, 2006 Annual Report of the Board of Trustees of the Federal Old-Age and Survivors Insurance and Disability Insurance Trust Funds, May 1, 2006, at Trustees Report.)

² According to the 1997 Retirement Confidence Survey, 30% of Americans age 25 and older believed that trust fund exhaustion meant the "system will be broke and unable to pay any benefits." Nearly half (48%) of Americans age 25 to 33 held this belief. (Employee Benefit Research Institute, Public and Employer Opinion on Social Security and Social Security Reform, SR-39, August 2001, at [http://www.ebri.org/pdf/publications/srpdfs/sr39.pdf].)

Background

The Social Security Trust Funds

closely linked. This report generally assumes the merged operations of the OASI and and the Disability Insurance (DI) trust fund. The two funds operate separately but are and survivor benefits to qualifying workers and their families. These benefits are DI trust funds, treating the two funds as if they were one collective OASDI fund. funded from two trust funds: the Old-Age and Survivors Insurance (OASI) trust fund How the Trust Funds Work. Social Security provides retirement, disability,

13% was from interest on trust fund assets, and 2% was from taxation of benefits.⁶ The proportion of income from each of these sources varies over time.⁷ Security benefits. In 2005, 84% of the trust funds' income was from payroll taxes income from interest on the trust funds' assets and from the taxation of Social employers each pay 6.2% of wages up to the taxable maximum (\$94,200 in 2006).⁴ sources. Their primary income source is the Social Security payroll tax levied on wages and self-employment income.³ Social Security covered employees and fund and about 15% are credited to the DI trust fund.⁵ The trust funds also receive By law, about 85% of Social Security payroll taxes are credited to the OASI trust Income to the Trust Funds. The trust funds receive income from several

covered by Social Security. In 2005, more than 98% of the trust funds' spending was same financial position in which they would have been if railroad service had been Board.8 This annual exchange of funds places the Social Security trust funds in the OASI trust fund is also party to a financial interchange with the Railroad Retirement benefit payments and a small amount goes toward administrative expenses. **Outgo from the Trust Funds.** Almost all of the trust funds' spending is for The

³ Payroll taxes are formally known as Federal Insurance Contributions Act (FICA) and Selfpayroll tax on each employee and employer for Medicare Hospital Insurance Employment Contributions Act (SECA) taxes. FICA and SECA taxes also include a 1.45%

the employer portion of the tax is passed on to workers in the form of lower wages maximum is indexed to the Average Wage Index (AWI). Economists typically attribute both the employee and employer share of the payroll tax to workers since it is assumed that ⁴ Self-employed individuals pay 12.4% of wages up to the taxable maximum. The taxable

⁵ 42 U.S.C. § 401.

^{88%} of income was from payroll taxes, 11% was from interest on trust fund assets, and 1% ⁶ For the OASI trust fund, 84% of income was from payroll taxes, 14% was from interest was from taxation of benefits in 2005. (Figures may not add to 100% due to rounding.) on trust fund assets, and 2% was from taxation of benefits in 2005. For the DI trust fund,

surpluses, then decrease as the balance of the trust funds are drawn down to pay benefits from interest is projected to increase in the short term, as Social Security continues to run more people are subject to taxation of benefits. (See CRS Report RL32552, Social Security: ⁷ The proportion of income from taxation of benefits is projected to increase over time as Calculation and History of Taxing Benefits, by Christine Scott.) The proportion of income

⁸ See CRS Report RS22350, Railroad Retirement Board: Retirement, Survivor, Disability, Unemployment, and Sickness Benefits, by Kathleen Romig.

essentially the same proportion of funds on each of these items each year. for Social Sccurity benefits, less than 1% was for administrative costs, and less than 1% was transferred to the Railroad Retirement Board (RRB).⁹ The trust funds spend

debt. which is also credited to the trust funds. borrowed by the U.S. Treasury and can be used for tax cuts, spending, or repaying Social Security's cash surpluses (like proceeds from all government bonds) are U.S. government securities — usually special issue Treasury bonds.¹⁰ In other words, have a cash-flow surplus. By law, surplus revenues are invested in interest-bearing income (i.e., payroll taxes and taxation of benefits) than they spend, the trust funds The Treasury, in turn, incurs an obligation to repay the bonds with interest, Annual Cash Flow. If, in a given year, the trust funds take in more tax

which Social Security has cash-flow deficits. Congress would need to cut overall spending, raise taxes, or borrow during years in assets are transferred from the Treasury's general fund to the Social Security trust funds. In other words, unless the Treasury's general fund is running a surplus, (including interest) accumulated in previous years. When the bonds are redeemed, they have a cash-flow deficit. In deficit years, Social Security can redeem any bonds If, in a given year, the trust funds spend more than the tax income they receive.

unable to pay any benefits. benefits on time. It does not mean that Social Security will be completely broke and expenses out of current tax income and accumulated trust fund assets, they are insolvent. Insolvency means that Social Security's trust funds are unable to pay full Trust Fund Solvency. If the trust funds are not able to pay all of current

flow surplus of \$172 billion (about 24% of the trust funds' income for that year), which was invested in Treasury bonds.¹¹ At the end of 2005, the combined trust funds held a total of about \$1.9 trillion in Treasury bonds.¹² trust funds has ever become insolvent. In 2005, the combined trust funds had a cashin 1937; the DI trust fund was established in 1957. Neither of the Social Security Historical Trust Fund Operations. The OASI trust fund was established

to the size of the trust funds' expenditures. After the 1983 amendments to the Social flow surpluses in most years. These annual surpluses were typically small relative Cash-Flow Surpluses and Deficits. The trust funds have run annual cash-

not add to 100% due to rounding.) DI trust fund spending was for benefits and 3% was for administrative costs. (Figures may 9 In 2005, about 99% of OASI trust fund spending was for benefits, less than 1% was for administrative costs, and less than 1% was transferred to the RRB. In 2005, about 97% of

Nuschler. ¹⁰ See CRS Report RS20607, Social Security: Trust Fund Investment Practices, by Dawn

fund had a cash-flow surplus of \$9.4 billion. ¹¹ In 2005, the OASI trust fund had a cash-flow surplus of \$162.4 billion and the DI trust

fund was credited with \$196 million. ¹² At the end of 2005, the OASI trust fund was credited with \$1.7 trillion and the DI trust

redeeming some of the bonds accumulated in earlier years. In other words, the Social annual cash-flow deficits during 21 years, the last of which was in 1983.¹⁴ The trust funds made up the difference between income and outgo during these years by Security Act, which increased Social Security's income and reduced its spending, the OASI trust fund began to run larger surpluses.¹³ The combined trust funds have run Security trust funds received net transfers from the Treasury's general fund.

to Social Security's solvency problem — the 1983 amendments, which increased tax income and reduced benefits.¹⁸ Absent another act of Congress, the Social Security Act does not permit further interfund borrowing.¹⁹ 1983.¹⁵ absence of legislative changes the OASI trust fund would become insolvent by July temporary measure allowed policymakers time to develop a more sustainable solution permitted the fund to borrow from the DI and Medicare Hospital Insurance (HI) trust funds.¹⁶ Money was transferred to the OASI fund in 1982 and repaid by 1986.¹⁷ This OASI trust fund. The 1982 Social Security Trustees Report projected that in the never been exhausted. However, in the early 1980s, a solvency crisis loomed for the Near-Insolvency in the Early 1980s. The Social Security trust funds have To relieve the pressure on the OASI trust fund temporarily, Congress

guisn both when cash-flow deficits will begin and when the trust funds will become (optimistic) assumptions. Each set of assumptions results in different projections of intermediate assumptions, financial operations.²⁰ The Trustees Report describes a range of possible outcomes report in which they describe their short- and long-range projections of trust fund The Trustees' Projections. The Social Security trustees issue an annual different sets of demographic and economic assumptions, high cost (pessimistic) assumptions, and low cost including

not be threatened by insolvency if economic conditions were worse than expected. time show that the primary goal of the legislation was to assure that Social Security would ¹³ There is little evidence to suggest that the 1983 amendments were intended to create surpluses or to "advance fund" future benefits. Records of Congressional proceedings at the

flow deficits in 20 years. (Tables VI.A2, VI.A3, and VI.A4, 2006 Social Security Trustees Report.) See CRS Report RL33028, Social Security: The Trust Fund, by Christine Scott. ¹⁴ The OASI trust fund has run cash-flow deficits in 21 years; the DI trust fund has run cash-

^{1982. (}Hereafter cited as 1982 Social Security Trustees Report.) ¹⁵ Social Security Administration, 1982 Annual Report of the Board of Trustees of the Federal Old-Age and Survivors Insurance and Disability Insurance Trust Funds, Apr. 1,

¹⁶ P.L. 97-123.

¹⁷ The OASI trust fund borrowed \$17.5 billion in November and December of 1982; about \$5.1 billion was from the DI trust fund and \$12.4 billion was from Medicare's HI trust fund.

¹⁸ P.L. 98-21.

Medicare Trustees Report, the HI trust fund is projected to become insolvent in 2018. ¹⁹ Even if interfund borrowing were legally permitted, it is unlikely that the Social Security trust funds would be able to borrow from Medicare's HI trust fund. According to the 2006

Solvency and Projections, by Gary Sidor ²⁰ For more information, see CRS Report RS22139, Social Security: Summary of Program

will begin cash-flow deficits and become insolvent later than the trustees project.22 insolvent.²¹ This CRS report focuses on the trustees' long-range projections under their intermediate assumptions, which reflect their "best estimates" of future trends. For example, the Congressional Budget Office (CBO) projects that the trust funds projections -However, it is important to note that the trustees' projections — like all long-term are uncertain. Other estimates differ from the trustees' projections.

redeem the Treasury bonds accumulated during earlier years. Redeeming the bonds cash-flow deficits.23 funds. will require transfers from the Treasury's general fund to the Social Security trust on an annual basis) until early 2017. From 2017 forward, the trustees project annual funds will continue to have a cash-flow surplus (i.e., more tax income than spending Cash-Flow Projections. The Social Security trustees project that the trust These transfers will create pressure on the overall federal budget. Once cash-flow deficits emerge, the trust funds will need to

2041, gradually declining to about 70% of scheduled benefits in 2080. about 74% of scheduled benefits during the first full year of trust fund insolvency in taxation of benefits). The trustees project that tax income will be sufficient to cover time projections, redemption of trust fund assets will allow the trust funds to pay full benefits on time until 2040, when the trust funds will become exhausted.²⁴ At that , the trust funds will continue to receive tax income (i.e., payroll taxes and Trust Fund Solvency Projections. According to the trustees' intermediate

Legal Background on Trust Fund Insolvency

accumulated assets are not sufficient to pay the benefits to which people are entitled and current tax income).²⁵ Another law, the Antideficiency Act, prohibits government spending in excess of available funds.²⁶ Consequently, if the Social Security trust funds become insolvent — that is, if current tax income and payments shall be made *only* from the trust funds (i.e., accumulated trust fund assets and current tax income).²⁵ Another law, the Antideficiency Act, prohibits the law effectively prohibits full Social Security benefits from being paid on time. The Antideficiency Act. The Social Security Act specifies that benefit

²¹ Under the intermediate assumptions, the trust funds are projected to begin cash-flow deficits in 2017 and to become insolvent in 2040. Under the low cost assumptions, the trust funds are projected to begin cash-flow deficits in 2013 and to become insolvent in 2030. insolvent within the 75-year projection period. Under the high cost assumptions, the trust funds are projected to begin cash-flow deficits in 2022 and are not projected to become

and will become insolvent in 2046. (Congressional Budget Office, *Updated Long-Term Projections for Social Security*, June 2006, at [http://www.cbo.gov/ftpdocs/72xx/doc7289/06-14-LongTermProjections.pdf].) ²² CBO projects that the combined trust funds will run cash-flow deficits starting in 2019

projected to begin cash-flow deficits in 2013. ²³ The OASI trust fund is projected to begin cash-flow deficits in 2018; the DI trust fund is

²⁴ Under the trustees' intermediate assumptions, the OASI trust fund is projected to become insolvent in 2042 and the DI trust fund is projected to become insolvent in 2025.

²⁵ 42 U.S.C. § 401(h).

^{26 31} U.S.C. § 1341.

would not relieve the government of its obligation to provide benefits. If benefits the benefits stipulated by law, beneficiaries could take legal action. who are eligible for them as set forth in the statute.²⁸ If the government fails to pay that the government is legally obligated to pay Social Security benefits to all those benefits.²⁷ In other words, Social Security is an *entitlement program*, which means were reduced, beneficiaries would remain legally entitled to the balance. states that every individual who meets program eligibility requirements is entitled to Legal Entitlement to Social Security Benefits. The Social Security Act Insolvency

paid on time, according to trust fund experts in multiple federal agencies benefit checks would be paid on a delayed schedule or reduced benefits would be would need to be resolved by Congress or by the courts. In the meantime, either full qualifying applicants to scheduled benefits, the conflict between these two laws paying full benefits on time and the Social Security Act entitles beneficiaries and out. Because the Antideficiency Act would effectively prohibit the government from Security Act does not stipulate what would happen to benefits if the trust funds ran What Happens to Benefits in the Case of Insolvency? The Social 29

beneficiaries would receive full benefit checks in about nine months of each year funds, benefit payments could be picked up where they left off when the trust funds ran out. This cycle could continue indefinitely. Under these circumstances, all were credited to the trust funds. When more tax income was credited to the trust balance reached zero. At that point, no benefits could be paid until more tax receipts second Wednesday of the month, and so on, until the balance of the trust funds' in the benefit payment schedule, benefit checks could be paid in the usual order worker was born on the first of the month (e.g., June 1), his or her benefit check is paid on the second Wednesday in the month.³⁰ If trust fund insolvency caused delays first to those who receive benefits on the third of the month, then to those on the payment dates are generally based on their day of birth — for example, if a retired changed at the discretion of the Social Security Commissioner.) New beneficiaries' Security benefit payment schedule, shown in Table 1. (This schedule may be To see how a delay could affect beneficiaries, consider the current Social

²⁷ 42 U.S.C. §§ 402 and 423.

Analysis of Benefit Entitlement Issues, by Kathleen S. Swendiman and Thomas J. Nicola. U.S.C. § 1304.) For more details, see CRS Report RL32822 Social Security Reform: Legal time, which could affect the benefits current and future beneficiaries may receive. ²⁸ However, Congress retains the right to modify provisions of the Social Security Act at any (42

Trustees Report, p. 2, emphasis added.) legislative changes were made, "inability to pay some benefits on time would result." (1982 trustees would have the authority to reduce the benefit amounts specified by law. The 1982 benefit checks paid). It is unclear whether the Social Security Commissioner or the other ²⁹ It seems most likely that benefits would be delayed (thus reducing the number of full Trustees Report, which projected impending trust fund insolvency, stated that unless

whose record they receive benefits. The current benefit payment schedule was first implemented for new beneficiaries in May 1997. By 2040, the number of beneficiaries being paid each week of the month will be approximately equal. ³⁰ For beneficiaries who receive Social Security benefits based on another person's work record (e.g., spouse benefits), their payment date depends on the birth date of the worker on

unpredictable. after the trust funds first became exhausted. The timing of these checks would be

Benefits Paid On	Birth Date of Worker on Whose Record Benefits are Paid
Third of every month	Any birth date for: (1) Beneficiaries who receive both Social Security and SSI benefits; (2) Most beneficiaries who began to receive benefits prior to May 1997.
Second Wednesday	1 st to 10 th day of the month
Third Wednesday	11 th to 20 th day of the month
Fourth Wednesday	21 st to 31 st day of the month

Table 1. Current Social Security Benefit Payment Schedule

Source: Social Security Administration.

Notes: For beneficiaries scheduled to receive payments on the third of the month, benefits may be paid earlier if the third is on a weekend or holiday.

What If Congress Waits to Act?

certain workers (e.g., those who earn more than the taxable maximum). adding a new source of revenue (e.g., transferring funds from the Treasury's general of wages taxed), boosting interest income (e.g., investing surpluses in stocks), or Security's income by raising tax revenue (e.g., raising payroll tax rates or the amount disabled or low-income beneficiaries). proportionately to all beneficiaries or structured to protect certain beneficiaries (e.g., fund). Tax increases could be applied proportionately to all workers or targeted to 98% of Social Security spending is on benefits. Social Security spending. This essentially means cutting benefits, since more than combined or targeted in a variety of ways. For example, Congress could decrease There are many options to restore Social Security solvency, which could be Congress could also increase Social Benefit cuts could be applied

section presents two of the policy options Congress could choose to fill this gap: the trust funds have a shortfall of \$4.6 trillion in present value terms. The following Over the long range (through 2080), the Social Security trustees estimate that

- cash-flow deficit by cutting benefits across the board. The benefit cut scenario assumes that Congress covers the annual
- ٠ cash-flow deficit by raising the payroll tax rate The tax increase scenario assumes that Congress covers the annual

of time.³¹ no trust fund assets. These scenarios are only two of a wide range of possibilities you-go system, in which income and outgo are equal on an annual basis and there are could be spread to a larger number of workers and beneficiaries over a longer period make changes. If made sooner, the changes could be smaller, since earlier changes Both scenarios assume that Congress waits until the trust funds become insolvent to Either scenario would essentially convert Social Security to a pure pay-as-

Benefit Cut Scenario

percentage of scheduled benefits that are payable each year with scheduled revenues. is causing the cost of Social Security to grow over time. that larger benefit reductions would be needed, since the aging of the U.S. population 30% by 2080.32 To maintain balance after 2080, the Social Security trustees project would require benefit cuts of 26% in 2041, the first full year of insolvency, rising to tax income on an annual basis. According to the trustees, achieving annual balance could eliminate annual cash-flow deficits by cutting benefits so that spending equals Size of Benefit Cuts. If the trust funds were allowed to run out, Congress Figure 1 shows the



Source: Congressional Research Service calculations, based on Social Security Administration memorandum by Chris Chaplain, Actuary, "OASDI Cost Covered with Present-Law Taxes, Estimated for Years Beginning with the Year of Trust Fund Exhaustion, Based on 2006 Trustees Report Assumptions," May 5, 2006. (Hereafter cited as *SSA Payable Benefits Memo.*)

half as large as those required in 2040. (2006 Social Security Trustees Report.) payroll tax increase of 2.02 percentage points (split between employers and employees) or ³¹ The trustees estimate that 75-year solvency could be restored through an immediate benefit reduction of about 13% (for all current and future beneficiaries). These changes are

since trust fund assets are expected to be available to pay benefits for part of the year. 32 In 2040, the benefit cut required to eliminate the cash-flow deficit is projected to be 9%.

Notes: Although not shown in the figure, the trustees project that more than 100% of scheduled benefits could be payable with scheduled payroll taxes prior to 2017. However, without changes to the law, higher benefits would not actually be paid.

projected replacement rates and real benefit amounts for a series of hypothetical workers developed by the actuaries at the Social Security Administration (SSA). beneficiaries would be affected under the benefit cut scenario. This report analyzes Impact of Benefit Cuts. There are several ways to measure how

a medium earner retiring at age 65 is 41%. increases from 65 to 67. replacement rates are gradually decreasing as the full retirement age gradually Security benefit formula is progressive. In 2006, the estimated replacement rate for proportion of lower earners' wages than of higher earners' wages since the Social proportion of earnings replaced by benefits.33 percentage of his or her average indexed monthly earnings, thus showing the actuaries, which is to calculate a worker's initial Social Security benefit as a be calculated in different ways. This report uses the same methodology as SSA's measuring the adequacy of a person's post-retirement income. Replacement rates can comparison between a person's income before and after retirement; it is one way of benefit cuts on beneficiaries is to use replacement rates. A replacement rate is a Replacement Rates. One way to illustrate the effect of across-the-board Under current law, beneficiaries' Benefits tend to replace a higher

Historically, wages have generally risen faster than prices, which has allowed the standard of living to rise from one generation to the next.³⁴ Indexing initial Social benefits keep up with wage growth and with rising standards of living. Security benefits to wages has allowed beneficiaries to reap the benefits of rising living standards.³⁵ Replacement rates show the extent to which initial Social Security of the retirement, death, or disability of a worker. To ensure that benefit levels keep beneficiaries up with increases in wages over time – benefits. Social Security was established to replace income lost to a family as a result Replacement rates are an important measure of the adequacy of Social Security - initial Social Security benefits are indexed to wage growth. thus providing a steady replacement rate to

for a hypothetical low, medium, and high earner.³⁶ The low earner is assumed to Figure 2 shows projected initial replacement rates under the benefit cut scenario

(continued...)

to wages using the Average Wage Index (AWI). ³³ This formula uses the highest 35 years of earnings covered by Social Security, indexed

transportation, and communication. life that people enjoy, including factors such as the quality of housing, medical care, ³⁴ The standard of living is usually measured in terms of income and reflects the quality of

Haltzel, and Neela Ranade. Social Security Benefits: The Effects of Price and Wage Indexes, by Patrick Purcell, Laura ³⁵ For more information on how benefits are indexed, see: CRS Report RL32900, Indexing

Administration, Office of the Chief Actuary, Actuarial Note Number 144, "Internal Rates of Return Under the OASDI Program for Hypothetical Workers," by Orlo R. Nichols, et al., ³⁶ For information on the development of the hypothetical workers, see: Social Security

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graph shows the projected replacement rate for each beneficiary if he or she turned to receive a monthly Social Security benefit of \$1,697 in 2006. Each year in the of the average wage during each year of his or her career (about \$59,000 in 2006) and 65 and retired in January of that year. Security benefit of \$1,284 in 2006. The high earner is assumed to have earned 160% year of his or her career (about \$37,000 in 2006) and to receive a monthly Social 2006.³⁷ The medium earner is assumed to have earned the average wage during each (about \$17,000 in 2006) and to receive a monthly Social Security benefit of \$780 in have earned 45% of the national average wage during each year of his or her career



Figure 2. Initial Replacement Rates Under Benefit Cut Scenario, 2006-2080

Source: Congressional Research Service calculations, using figures from the 2006 Social Security Trustees Report and the SSA Payable Benefits Memo

beneficiaries are subject to the early retirement reduction. For example, in 2004 more than two-thirds (68.3%) of new retirement beneficiaries filed their claims before age 65. (Social Security Administration, *Annual Statistical Supplement*, 2005, Table 6.A4, at Administration, Annual Statistical Supplement, 200 [http://www.ssa.gov/policy/docs/statcomps/supplement/2005/6a.html].) those who retire between 2020 and 2025 will be affected as the FRA rises to 67. for workers in this example would increase over time. In particular, new 65-year-old beneficiaries who retire between 2006 and 2008 will be affected as the full retirement age (FRA) rises to 66, and receive full Social Security benefits is currently rising from 65 to 67, so the early retirement reduction Notes: The workers in this figure are assumed to retire at age 65. The age at which beneficiaries may Most new

³⁷ The average wage is defined by SSA's Average Wage Index (AWI). June 2001, at [http://www.ssa.gov/OACT/NOTES/note2000s/note144.html]. ³⁶ (...continued)

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to the increase in the full retirement age over the first two decades of that period. in the near term. Between 2006 and projected trust fund exhaustion, initial replacement rates are projected to decrease about 12%.³⁸ This decline is mostly due Replacement rates for the beneficiaries in this example are projected to decline

are projected to fall about 6%.40 decline after 2041 as benefit cuts under this scenario grow larger. Between 2041 and and 2041, the first full year of projected insolvency, initial replacement rates are projected to decrease about 26%.³⁹ Replacement rates are expected to continue to 2080, the last year for which the trustees have projections, initial replacement rates significantly when the trust funds become insolvent, then level off. Between 2039 Under the benefit cut scenario, replacement rates are projected to drop Replacement rates are expected to continue to

benefit cuts is to look at projected initial annual benefit amounts in real terms (i.e., earners tend to receive higher benefit amounts than lower earners. after inflation). Real Benefit Levels. Another way to illustrate the effect of across-the-board Since benefits are based on workers' lifetime earnings, higher



Figure 3. Initial Annual Benefits Payable Under Benefit

Source: Congressional Research Service calculations, using figures from the 2006 Social Security Trustees Report and the SSA Payable Benefits Memo

Note: Please see notes for Figure 2.

earner, and 35% for the high earner in 2006, and 49% for the low earner, 36% for the medium earner, and 30% for the high earner by 2039. ³⁸ Initial replacement rates are estimated to be 56% for the low earner, 41% for the medium

medium earner, and 22% for the high earner. ³⁹ In 2041, replacement rates are estimated to be 36% for the low earner, 27% for the

medium earner, and 21% for the high earner. ⁴⁰ In 2080, replacement rates are estimated to be 34% for the low earner, 25% for the

standards not show the extent to which future beneficiaries could afford these rising living term, which would allow living standards to rise over time. Real benefit levels do living standards. Wage growth is expected to exceed price growth over the long words, they illustrate the extent to which future beneficiaries could afford today's levels in Figure 3 show future initial benefit amounts in 2006 dollars benefits are projected to keep up with inflation (i.e., price growth). The real benefit The change in real bencfit levels over time illustrates how well Social Security in other

insolvency.41 benefit amounts to increase about 28% between 2006 and projected trust fund that Social Security benefits will rise as a result of growing wages, causing initial real Real benefit levels are expected to rise in the near term. The trustees project

expected to increase by about 42% as wages continue to rise.43 which the trustees have projections, initial real benefit levels under this scenario are about 3% lower in 2041 than in 2006. Between 2041 and 2080, the last year for of projected insolvency, initial real benefit levels are projected to decline about 24%.⁴² Initial real benefit levels under the benefit cut scenario are projected to be significantly after the trust funds become insolvent, then to rise gradually. Between 2039, the last full year of projected trust fund solvency, and 2041, the first full year Under the benefit cut scenario, real benefit levels are projected to drop Initial real benefit levels under the benefit cut scenario are projected to be

Tax Increase Scenario

payroll tax rates needed to pay scheduled benefits each year from 2006 to 2080. population aging and the design of the Social Security system. Figure 4 shows the Security trustees project that the payroll tax rate would likely need to increase further. This is because the cost of Social Security is expected to grow, due to U.S. which the trustees have projections. To maintain balance after 2080, the Social trust funds are projected to be exhausted, rising to 17.78% by 2080, the last year for increase from their current rate of 12.40% to 16.65% in 2040, the year in which the of insolvency would require combined employee and employer payroll taxes to equal spending each year. The trustees project that taking such an action at the point flow deficits by raising the payroll tax rate so that the trust funds' tax income would Size of Payroll Tax Rate Increases. Congress could also eliminate cash-

medium earner, and \$20,367 for the high earner in 2006, rising to \$11,945 for the low 4 earner, \$19,688 for the medium earner, and \$26,101 for the high earner in 2039 Annual real benefits are estimated to be \$9,354 for the low earner, \$15,413 for the

medium earner, and \$19,803 for the high earner. ⁴² In 2041, annual real benefits are projected to be \$9,066 for the low earner, \$14,934 for the

the medium earner, and \$28,202 for the high earner. ⁴³ In 2080, annual real benefits are projected to be \$12,912 for the low earner, \$21,272 for

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Source: Congressional Research Service calculations, using figures from the 2006 Social Security Trustees Report.

Note: Prior to 2017, scheduled payroll tax rates could fund more than scheduled benefits

structure and the cap on taxable wages, the Social Security payroll tax places a relatively greater burden on low- and middle-income workers.⁴⁵ is levied at a flat rate starting at the first dollar of wages. taxable maximum.44 Unlike the federal income tax, the Social Security payroll tax maximum than for other workers. About 6% of workers currently earn more than the in the payroll tax would be smaller for people who earn more than the taxable are taxable only up to a specified maximum (\$94,200 in 2006), the effective increase increase most workers' taxes by the same proportion. However, since covered wages Impact of Payroll Tax Increases. Raising the payroll tax rate would As a result of this flat

⁴ Base, by Debra Whitman. CRS Report RL32896, Social Security: Raising or Eliminating the Taxable Earnings

of Filers Pay More in Payroll Taxes Than in Income Taxes," Tax Facts from the Tax Policy income taxes, including 85% of those with incomes of less than \$40,000. ("Three-Quarters Center, *Tax Notes*, by William G. Gale and Jeffrey Rohaly, Jan. 6, 2003, available at [http://www.taxpolicycenter.org/UploadedPDF/1000456_payroll_income.pdf].) ⁴⁵ In 2003, about 74% of tax filers owed more in combined payroll taxes than in individual