Social Security Financial Status

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Outline

1) What does Social Security do?

2) Update on financial/actuarial status
   a) “Solvency” and “sustainability”: baseline
   b) Demographic and economic challenges
   c) What’s new?

3) Ways to improve financial/actuarial status
   a) Increase revenue
   b) Lower cost
   c) Fundamental/structural change
1) What Does Social Security Do?
Monthly Income for Insured Workers and Their Families

• Over 95 percent of Americans will be eligible at age 62 and above

• Vast majority of those under 62 are potential survivor or disability beneficiaries

• 61.9 million current beneficiaries at the end of 2017
  • About 19 percent of the total US population (about 327 million as of 12/31/2017)
  • 45.5 million retirees and dependents
  • 6 million survivor beneficiaries
  • 10.4 million disabled workers and dependents

• 173.6 million workers contributing payroll taxes in 2017
  • 10.5 million earn above the $128,400 taxable maximum

• Benefits are “progressive,” replacing more for lower career earners
Scheduled Replacement Rates Based on the 2018 TR

Source: Annual Recurring Actuarial Note #9 at www.ssa.gov/oact/NOTES/ran9/index.html
How About at Age 62, Where Many Start Benefits?

Scheduled Monthly Benefit Levels as Percent of Career-Average Earnings by Year of Retirement at age 62

Low Earner ($23,353 in 2018; 25th percentile)
Medium Earner ($51,894 in 2018; 56th percentile)
High Earner ($83,031 in 2018; 82nd percentile)
Max Earner ($128,400 in 2018; 100th percentile)

Source: Annual Recurring Actuarial Note #9 at www.ssa.gov/oact/NOTES/ran9/index.html
Monthly Income for Insured Workers and Their Families

• After becoming eligible, monthly Social Security benefits increase annually with price inflation (COLA)
  • So they do not increase as fast as the average worker’s standard of living
  • But they increase faster than most other forms of retirement income
  • So they become an increasing share of retirement income after retiring

• Because benefits after eligibility increase slower than wages...
  • Increase in cost from living longer is somewhat mitigated
  • But this effect is limited by greater longevity for higher earners—see Actuarial Study 124: Mortality by Career-Average Earnings Level (https://www.ssa.gov/OACT/NOTES/pdf_studies/study124.pdf)
2) Update on Financial/Actuarial Status
Reserve depletion date varied from 2029 to 2042 in reports over the past 26 years (1992-2018)

*Di Trust Fund — reserve depletion in 2032, four years later than last year*

Due largely to lower recent and near-term disability applications and average benefit levels
OASDI Annual Cost and Non-Interest Income as Percent of Taxable Payroll

Persistent negative annual cash-flow balance starting in 2010
79% of scheduled benefits still payable at trust fund reserve depletion
Annual deficit in 2092: 4.32 percent of payroll—0.21 percent smaller than last year
SUSTAINABILITY: Cost as Percent of GDP

Rises from a 4.2-percent average in 1990-2008, to about 6.1% by 2038, then declines to 5.9% by 2052, and generally increases to 6.1% by 2092
Demographic & Economic Challenge:
OASDI beneficiaries per 100 workers

Historical
Estimated
Principal Challenge: Aging (Change in Age Distribution)
Mainly due to drop in birth rates

![Graph showing Aged Dependency Ratio 2018 TR]

- Population 65+/ (20-64)
- Actual and TR Intermediate
- TFR remains at 3.0 after 1964
- TFR remains at 3.3 after 1964
What’s New This Year for Actuarial Status?

• Elimination of Deferred Action for Child Arrivals: DACA
  • Note: DACA is still being contested in the courts
• Tax legislation: lower income tax on benefits for 2018-25
• Continued low birth rates and slow mortality improvement
• Economy: recovery in employment, but reduction in “labor share” of GDP
• Disability: continuing drop in applications
Birth Rate Still Below 2.0: Slow Wage Growth? Tempo?

- Great Depression
- WW II
- Baby boom, strong economy
- Birth control
- Deferral of births by women in their 20s to their 30s
- Great Recession
Mortality Experience: All Ages
Reductions continue to fall short of expectations
Labor Force and Employment

Employment has recovered: note disparity with measured labor force

Labor Force Participation Rates
2018 TR

Ratio of Employment to Population
2018 TR
But Labor Productivity Has Lagged, and Labor Share of GDP Has Dipped, Slowing Recent Average Wage Growth
Recent Favorable Disability Experience Continues

• Applications and incidence are at historic low levels
• Numbers of beneficiaries have been declining since 2013
• Prevalence rates have peaked and are dropping

What about the future?
• Are declines temporary, or the new state?
  • Possibilities:
    • Economy and jobs—*temporary*?
    • Drop in hearings allowance rates—*temporary*?
    • Increased health care (ACA)
    • Field office consolidations
    • Attorney representation
    • Something more fundamental?
Disability Applications Still Dropping Into 2018

Total Social Security Disability Receipts at Disability Determination Services by Calendar Year: Historical and Intermediate Assumptions for 2012 through 2018 Trustees Reports (thousands)

Note: All historical and projected series include disabled worker, disabled adult child, and disabled widow(er) receipts. DIBs represent about 94% of total title II DDS receipts.

Current estimate for CY 2018 based on data through mid-June, 2018

Disability Incidence Rate Has Fallen to Historic Low

Note the small increase in 2017 is from reversal of the increase in ALJ pending through 2016

**DI Age-Sex-Adjusted Incidence Rates:**
Historical and Intermediate Assumptions for 2012 through 2018 Trustees Reports

- **Average 1990-2017:** 5.23
- **Ultimate Assumption:** 5.40
Reserve Depletion Date for DI May Move Beyond OASI in the Next Trustees Report
3) Ways to Improve Financial/Actuarial Status
What Does Congress Need To Do To Eliminate Social Security’s Long-Term Underfinancing?

By 2034 (preferably sooner), Congress will need to:

• Lower cost (reduce benefits) by about 25%
• Increase revenues by about 33%
• Or some combination of these approaches
• Also consider benefit adequacy?
If the Law is NOT Changed: Full Benefits Will Not Be Payable on a Timely Basis Starting in 2034
Ways to Lower Cost

• Lower benefits for retirees—not disabled
  • Increase normal retirement age (lowers OASDI cost, but increases DI cost)
  • Can increase gradually, maintaining balance between work and retirement years, which would reduce long-range shortfall by about 20 percent
  • Can exempt long-career low earners

• Lower benefits mainly for high earners
  • Reduce PIA above some level
  • Flatten the “benefit” level, making monthly benefits more progressive
    • Note higher earners live longer, but become disabled somewhat less frequently
  • Often combined with increasing PIA below some level, subject to work year requirements
Ways to Lower Cost (continued)

• Lower benefits mainly for the oldest old
  • Reduce the COLA by using a *chain-weighted* CPI (reduces shortfall by 20%)
    • Lessens the ability of Social Security to offset declines in other income
  • Some say instead raise the COLA by using the CPI-E (based on purchases of consumers over age 62) (increases the long-range shortfall by 14%)

• Increase the number of years used in benefit calculation (currently 35)
  • In conjunction with increasing NRA, assuming people work longer
  • But hurts those who have gaps in work, or who cannot work to older ages
Ways to Increase Revenue

• Raise tax rate on all earners
  • Increasing rate from current 12.4 percent to about 15.3 percent is projected to completely eliminate the long-range shortfall

• Raise tax on highest earners
  • Increase taxable maximum amount
    • 83% of earnings below the max now, was 90% back in 1982-3
    • Raising max to 90% again would eliminate over 1/4 of the long-range shortfall
    • Eliminating the max (as for HI) would eliminate over 2/3 of the shortfall
    • Some tax on all earnings above the maximum (even if not the full 12.4 percent)?
    • For each option, extra benefit credit? Or not?
Ways to Increase Revenue (continued)

• Tax employer-sponsored group health insurance premiums (eliminates 1/3 of shortfall)
  • The main form of employee compensation not now taxed
  • Affects only middle class if taxable maximum is not increased

• Maintain larger trust fund reserves, and invest for higher return
  • Could do this by investing some portion of reserves in equities
  • Added interest/yield can lower needed taxes
More Fundamental Changes

• “Privatize”: Partially or fully replace Social Security retirement benefits with personal accounts

• Means-test Social Security benefits
  • Reduce benefits based on assets and/or total income

• Tax additional forms of income
  • Investment income: like ACA approach
  • Inheritance tax
  • Value-added tax (VAT)
Finally, Timing for Change

• Historically, Congress has waited until reserve depletion is imminent

• Given uncertainties, difficult to lower benefits or raise taxes until you must

• Enacting “sooner” allows more options, more gradual phase in, and more advance notice
  • Best example: 17-year delay in implementing NRA increase in 1983 amendments

• OASDI reserve depletion now projected for 2034
  • The date has varied between 2029 and 2042 over the past 26 years
  • So we may still have some time for study and careful consideration
For More Information Go To
http://www.ssa.gov/oact/

There you will find:

• The 2018 and all prior OASDI Trustees Reports, back to 1941
• Detailed single-year tables for recent reports
• Our estimates for comprehensive proposals
• Our estimates for the individual provisions
• Actuarial notes; including replacement rates
• Actuarial studies
• Extensive databases
• Presentations, like this one
• Congressional testimonies