Social Security

Fourth Edition

Robert J. Myers

Published by

Pension Research Council

Wharton School of the University of Pennsylvania

University of Pennsylvania Press

Philadelphia

All Rights Reserved

Library of Congress Cataloging-in-Publication Data

Myers, Robert Julius, 1912—
Social security / Robert J. Myers. — 4th ed.
p. cm.
Includes bibliographical references and index.
ISBN 0-8122-319-0
1. Social security—United States. I. Title.
HD7125.M92 1993
368.4'3'00973—dc20 92-30848
CIP

Printed in the United States of America

This book was first published in 1993. All facts and figures herein are current as of that year.

To my wife, Rudy

Pension Research Council

Chairman and Director

JERRY S. ROSENBLOOM, Frederick H. Ecker Professor of Insurance and Risk Management, Wharton School, University of Pennsylvania

Associate Director

DWIGHT K. BARTLETT, III, F.S.A., Visiting Executive Professor of Insurance, Wharton School, University of Pennsylvania

Founding Director

DAN M. McGill, Chairman Emeritus, Department of Insurance and Risk Management, Wharton School, University of Pennsylvania

- Vince Amoroso, F.S.A., Principal, KPMG Peat Marwick, Washington, DC
- Zvi Bodie, Professor of Finance and Economics, School of Management, Boston University
- Gary I. Gates, Secretary, Department of Employee Trust Funds, State of Wisconsin, Madison
- Michael S. Gordon, Esq., The Law Offices of Michael S. Gordon, Washington, DC
- Donald S. Grubbs, Jr., F.S.A., Consulting Actuary, Grubbs and Company, Inc., Silver Spring, MD
- Ronald E. Keller, Executive Vice President, The Principal Financial Group, Des Moines, IA
- Judith F. Mazo, Senior Vice President and Director of Research, The Segal Company, New York City
- Olivia S. Mitchell, Professor of Labor Relations, School of Industrial and Labor Relations, Cornell University, Ithaca, NY
- Alicia H. Munnell, Senior Vice President and Director of Research, Federal Reserve Bank of Boston
- Robert J. Myers, F.S.A., International Consultant on Social Security, Silver Spring, MD
- George J. Pantos, Esq., Partner, Vedder, Price, Kaufman, Kammholz & Day, Washington, DC
- James E. Pesando, Professor of Economics, Institute for Policy Analysis, University of Toronto
- Samuel H. Preston, Chairman and Professor of Sociology, University of Pennsylvania

- Richard Prosten, Director, Coordinated Bargaining and Research, Industrial Union Department, AFL-CIO, Washington, DC
- Anna M. Rappaport, F.S.A., Managing Director, William M. Mercer, Inc., Chicago
- Sylvester J. Schieber, Director of the Research and Information Center, The Wyatt Company, Washington, DC
- Ray Schmitt, Specialist in Social Legislation, Congressional Research Service, Library of Congress, Washington, DC
- Richard B. Stanger, National Director, Employee Benefits Services, Price Waterhouse, Washington, DC
- Marc M. Twinney, Jr., F.S.A., Director, Pension Department, Ford Motor Company, Dearborn, MI
- Jack L. VanDerhei, Associate Professor of Risk and Insurance, Temple University
- L. Edwin Wang, Past President, Board of Pensions of the Lutheran Church in America, Minneapolis, MN
- Howard E. Winklevoss, President, Winklevoss Consultants, Inc., Greenwich, CT
- Howard Young, F.S.A., Adjunct Professor of Mathematics, University of Michigan, Ann Arbor

Purpose of the Council

The Pension Research Council of the Wharton School of the University of Pennsylvania was created in 1952 for the purpose of sponsoring objective research in the area of private pensions. It was formed in response to the urgent need for a better understanding of the private pension movement. Private pensions have experienced a phenomenal growth during the last three decades, but their economic, political, and social implications are yet to be explored. They seem destined to play a major role in the quest for old-age economic security, but the nature of that role can be ascertained only on the basis of more enlightened evaluation of the capabilities and limitations of the private pension mechanism. It was to conduct an impartial study into the facts and basic issues surrounding private pensions, under the auspices of an academic and professional group representing leadership in every phase of the field, that the Council was organized.

Projects undertaken by the Council are broad in scope and predominantly interpretive rather than technical in nature. In general, attention is concentrated on areas which are not the object of special investigation by other research groups. Its research studies are conducted by mature scholars drawn from both the academic and business spheres. Research results are published from time to time in a series of books and monographs.

Contents

List of Tables	xxi
List of Abbreviations	xxvii
Foreword	xxix
Preface	xxxi
Part One	
Introduction	1
1. Social Security Concepts	3
Quest for Security. Methods of Attaining Security. Concept of Social Security: Types of Social Security Programs. Individual Equity and Social Adequacy. Relative Cost of Social Security versus Private Insurance. Social Insurance as "Insurance." Social Insurance as "Welfare." Necessity for Compulsory Coverage under Social Insurance Programs. Concept of Poverty. Social Security in the United States.	
Part Two Old-Age, Survivors, and Disability Insurance	21
2. Basic Principles and Present Provisions	
of the OASDI System Basic Principles of the OASDI System: Benefits Based on Presumptive Need. "Floor-of-Protection" Concept. Relationship between Individual Equity and Social Adequacy. Earnings-Related Benefits. Self-Supporting Contributory Basis. Coverage Provisions of the OASDI System: Nonfarm Self-Employed. Farm Operators. Ministers. Employees of Nonfarm Private Employers. Employees of Nonprofit Organizations. Employees of State and Local Governments. Employees of Federal Government. Employees of Foreign Governments and International Organizations. Farm Workers. Domestic Workers. Tips. Employment Abroad. Interna-	23

xii Contents

finition of Earnings. Benefit Provisions of the OASDI System: Insured-Status Conditions. Beneficiary Categories. Benefit Amounts. Earnings Test. Payment of Benefits Abroad. When Monthly Benefits Are Paid. OASDI Financing Provisions: Tax Rates. Taxable Earnings Base. Relative Magnitude of Tax Rates. Interfund Borrowing. Normalized or Advance Tax Transfers. Effect on Unified Budget. Investment of Assets. Administration of OASDI. Income Taxation of OASDI Benefits: Present Law and Procedures. Amounts Are Not Indexed. Examples. Effect on Child Beneficiaries. Three Anomalies. State Taxation. The Longer Run.

Appendixes

2-1. Coverage of Life Insurance Agents on the Employee Basis under OASDI-HI	152
2-2. Procedure for Reductions in Benefits for Retirement before Normal Retirement Age for Persons Eligible for More than One Type of Benefit	154
2-3. Description of Special Age-72 Benefits	156
2-4. Detailed Descriptions of Eligibility Conditions for Auxiliary and Survivor Benefits and Initial and Final Months for Benefit Payments	159
2-5. Method of Computing PIA and MFB for Persons Attaining Age 62, Dying, or Becoming Disabled before 1979	162
2-6. Alternative Method of Computing PIA for Persons Attaining Age 62 in 1979–1983	170
2-7. Method of Computing PIA Using Wages before 1951	173
2-8. Indexing of Earnings Records, Especially as to Earnings Prior to 1978	177
2-9. Comparison of PIAs for Adjacent Cohorts and for Other Variables	186
2-10. Net Replacement Rates for Persons Retiring at Age 65 and for Young Workers Becoming Disabled or Dying	205
2-11. Detailed Description of Actual Method of Operation of Earnings Test	211
2-12. Automatic-Adjustment Procedures Applicable to Maximum Taxable Earnings Base	214
2-13. Coverage of Noncash Remuneration, Special Types of Payments, Deferred Compensation, and Salary Reductions as Wages	216
2-14. Special Method for Computing PIA for Individuals Who Qualify for Benefits Solely Because of a Totalization Agreement	226

229

332

340

3. Development of the OASDI System

Coverage: 1935 and 1939 Acts. 1946 Act. Legislation in 1948. 1950 Act. 1954 Act. 1956 Act. 1958 and 1960 Acts. 1965 Act. 1967 Act. 1972 Act. 1977 Act. 1983 Act. Legislation in 1984-90. Monthly Benefit Categories: 1935 and 1939 Acts. 1950 Act. 1952 Act. 1956 Act. 1958 and 1960 Acts. 1961 Act. 1965 Act. 1967 Act. 1972 Act. Court Decisions in 1975-82. Legislation in 1981. 1983 Act. Legislation After 1983. Lump-Sum Benefits: 1935 Act. 1939 Act. 1950 Act. 1981 Legislation. Benefit Amounts: Benefit Formulas during 1976-1978. Benefit Formula for 1979 Cohort. Delayed-Retirement Credit. Special-Minimum Benefit for Long-Coverage Individuals. Minimum and Maximum Benefit Provisions. Lump-Sum Death Payments. Computation of Average Earnings for Benefit Purposes. Elimination of Windfall Benefits. Restrictions on Benefits Payable Abroad. Restriction on Benefits Payable to Prisoners. Automatic-Adjustment Provisions: Opposition to Automatic Adjustments. Arguments in Favor of Automatic Adjustments. Development of Automatic-Adjustment Provisions. Minimum Retirement Ages: 1935 Act. 1956 Act. 1961 Act. 1965 Act. 1967 Act. 1983 Act. Benefit Proportions for Auxiliaries and Survivors: 1939 Act. 1950 Act. 1960 and 1961 Acts. 1972 Act. Insured Status: Fully Insured Status. Transitional-Insured Status. Currently Insured Status. Disability-Insured Status. Quarters of Coverage. Earnings Test: 1935 Act. 1939 Act. 1947 Advisory Council. 1950 Act. 1952 Act. 1954 Act. 1960 Act. Legislation in the 1960s. 1972 Act. 1977 Act. Problems Created by Elimination of Monthly Test. Legislation in the 1980s. Analysis of Liberalization of Earnings Test. Income Taxation of Benefits. Tax Rates: Original Act. Legislation in the 1940s. Legislation in the 1950s. Legislation in the 1960s. Legislation in 1972-73. 1977 Act. 1983 Act. Trend of Ultimate Tax Rate. Self-Employed Tax Rate. Allocation to the Disability Insurance Trust Fund. Taxable Earnings Base. Combined OASDI and HI Taxes. Advisory Councils on Social Security: 1975 Advisory Council. 1979 Advisory Council. 1984 Advisory Council. 1988 Disability Advisory Council. 1991 Advisory Council. National Commission on Social Security. President's Commission on Pension Policy. National Commission on Social Security Reform and the 1983 Act: Formation of National Commission. Functioning of National Commission. A Fair Compromise? Extent of the Financing Problem. Provisions of Legislation Enacted. Coverage Provisions. Benefit Changes. Revenue Provisions. Other Financing Provisions. New Studies Required. OASDI Problems Really Solved? Social Security as an Issue in 1984 Elections. Legislative Procedures: Action in the Executive Branch. Action in the House of Representatives. Action in the Senate. Final Action.

Appendixes

- 3-1. Should Public Systems Withdraw from Social Security?
- 3-2. Unequal Treatment of Men and Women under OASDI: Past Developments and Status Prior to 1983 Act

xiv Contents

3-3. Development of OASDI Benefit Formulas Prior to the Current Formula Based on Wage Indexing	343
3-4. The Problem of Instability in the PIA Computation Procedure Prior to 1977 Act; Various Decoupling Proposals for Its Solution	349
3-5. Analysis of Replacement Rates under 1935 and 1939 Acts Relative to Those under Present Law	361
3-6. Comparison of Actual OASDI Benefits Payable in 1975 with Those That Would Have Been Payable if Automatic-Adjustment Provisions Had Been Enacted in 1965	365
3-7. Illustration of How Automatic-Adjustment Procedure Would Have Affected Maximum Taxable Earnings Base if En- acted in 1965	366
3-8. OASDI Proposals of Reagan Administration in 1981	367
4. Financing Basis of the OASDI System Why a Fund Develops: Financing by Level Rate. Financing by Increasing Schedule of Rates. Financing by Decreasing Schedule of Rates. Pros and Cons of Increasing Schedule of Rates. Concept of Actuarial Soundness: Definition of Actuarial Soundness. Application of Concept to OASDI. Deficit for Present Members. Normal-Cost Basis. Valuation of Benefits in Current-Payment Status. Views of an Economist. Length of Valuation Period. Pay-As-You-Go Financing. Actuarial Basis of OASDI: Original Law. 1939 Act. 1947–48 Advisory Council. 1950 Act. 1972 Act. Maximum Fund Ratios for Various Past Estimates. Effect of Automatic-Adjustment Provisions. Separate OASI and DI Trust Funds. Use of Cost Estimates in Legislative Process. Financing Basis of OASDI: Financing Basis under 1977 Act. Projected Short-Run Financial Experience as Estimated after 1977. Projected Long-Range Financial Experience as Estimated after 1977. Congressional Responsibility in Financing OASDI. Measurement of Actuarial Status of OASDI. Social Security and the Unified Budget. Investment Procedures: Collection and Transfer of Taxes. Types of Investments. Alternative Possible Investment Procedures. Relationship with Railroad Retirement System.	372
Appendixes 4-1. Methodology for Actuarial Cost Estimates for Social Security Programs	414
4-2. Interest Rates and Durations until Maturity of Special Issues of Investments of OASDI Trust Funds	451
4-3. Comments on Economic Assumptions in Actuarial Cost Estimates for OASDI	452

Laissez-Faire Philosophy. Expansionist Philosophy. Moderate Philosophy. Other Factors Affecting Future Trends. Specific Directions for Development: General Nature of the System. Views of the Public toward OASDI. Benefits. Stabilizing Mechanisms. Fail-Safe Mechanisms. Creditable Earnings Base. Earnings Test. Retirement Age. Coverage. Disability Benefits. Earnings of Married Women. Equal Treatment of Men and Women. Other Benefit-Related Areas. Financing: Tax Rates. Taxable Earnings Base. Government Subsidy. Taxation of Benefits. Issues: Who Pays the Social Insurance Taxes? Are Social Insurance Taxes Regressive? Should OASDI Be Partially Financed from General Revenues? Do Young Persons Get Their Money's Worth? Does OASDI Decrease or Increase Private Savings? Burden of OASDI-HI Taxes versus That of Income Taxes. Making OASDI Be an Instrument for General Fiscal and Economic Planning.	454
Appendixes	
5-1. History of the Retirement Age under OASDI and Possible Future Changes	518
5-2. Various Approaches to Provide Equal Treatment by Sex in the Computation of Social Security Benefit Amounts	524
5-3. Comparison of Actuarially Purchasable Benefits with Actual Ones	528
Part Three Medicare	535
6 Paris Principles and Present Provisions	
6. Basic Principles and Present Provisions of the Medicare System	537
Basic Principles of the Medicare System: Basic Nature of HI. Basic Nature of SMI. Excluded Services. Hospital Insurance Provisions: Eligibility Conditions. Benefit Provisions. Reimbursement Provisions. Financing Provisions. Supplementary Medical Insurance Provisions: Eligibility Conditions. Benefit Provisions. Reimbursement Provisions. Financing Provisions. Administration of Medicare: Role of the Federal Government. Role of HI Fiscal Intermediaries. Role of SMI Carriers. Controls on Hospitals. Controls on Physicians (As to Quality and Quantity of Services).	
7. Development of the Medicare System	591
Early Legislative Efforts: Legislative Proposals before 1935. Legislative Proposals between 1935 and 1950. Legislative Action in 1951–1964. Enactment of Medicare: Administration Proposal in 1965. Other Proposals in 1965. Action of the House of Representatives in 1965. Action of the Senate in 1965. Action of the Conference Committee in 1965. Changes in Medicare since 1965: Considerations and Ac-	

xvi Contents

tions during the Johnson Administration. Considerations and Actions during the Nixon Administration. 1975 Legislative Proposals of Ford Administration. 1975 Advisory Council. Developments in 1975–1980. Recommendations of National Commission on Social Security. Legislative Developments in 1980–1984. 1984 Advisory Council. Medicare Catastrophic Coverage Act of 1988. Legislative Developments After 1984 Other than MCCA. 1991 Advisory Council. Promulgated Medicare Elements.

Appendixes 7-1. Legislative Development of Medicare Provisions in the 1967 Act	637
7-2. Changes in the Medicare Program Considered in 1970–1972 but Not Adopted	640
7-3. Changes in the Medicare Program Made by the Bill Passed by the Senate in 1973 but Not Enacted	641
7-4. Change in the Medicare Program Made by the Bill Passed by the Senate in 1983 but Not Enacted	642
8. Medicare Financing Principles and Provisions HI Financing Principles: Individual-Equity Concept. Financing and Investment Procedures. Allocation of Costs among Contributors. Self- Supporting Principle. HI Financing Provisions: Tax Rates. Determi- nation of Premium Rates for Voluntary Coverage. Interrelationship of Hospital Insurance and Railroad Retirement. SMI Financing Princi- ples: Premium-Rate Basis. Financing and Investment Procedures. SMI Financing Provisions: Determination of Premium Rates. Collection of Premiums.	643
Appendixes 8-1. Methodology for Long-Range Hospital Insurance Cost Estimates	669
8-2. Methodology for Short-Range SMI Cost Estimates8-3. Provisions for Temporary Government Guarantee of Solvency of SMI Trust Fund	675 678
8-4. Past History of Promulgations of SMI Standard Premium Rates	679
9. Possible Future Development of the Medicare Program Expansion of the Medicare Program: Coverage of Additional Types of Beneficiaries. Coverage of Unemployed Workers. Coverage of Specific Catastrophic-Cost Cases. Resurrection of Catastrophic Health Benefits Proposals. Coverage of Additional Medical Services. Long-Term-Care Benefits. Modification of Reimbursement Basis. Restructuring the Medicare Benefits Package. Revised Financing of Medicare Program: Introduction (or Increase) of Government Subsidy. Direct-Financing	685

826

Provisions. Increased Cost-Sharing. National Health Benefit Proposals: Views of Supporters of National Health Insurance. Views of the Public on National Health Insurance. Developments Following Enactment of Social Security Act. Developments Following Enactment of Medicare. NHI Proposals during 1972–1975. NHI Proposals in 1975–1978. NHI Proposals in 1979–1980. Action in Early 1980s. Catastrophic Health Benefit Plans in Lieu of NHI. Resurrection of NHI Proposals. Hawaii Health Insurance Program.	/
10. Actuarial Cost Estimates and Analysis and Statistical	
Information for OASDI and Medicare	722
Actuarial Cost Estimates Made at the Enactment of the 1977 and 1983 Amendments: Year-by-Year Costs. Progress of the Trust Funds. Actuarial Balances. Actuarial Cost Estimates from the 1992 Trustees Reports: Year-by-Year Costs. Progress of the Trust Funds. Future Fund Ratios. Historical Summary of Actuarial Balances. Projections of Covered Workers and Beneficiaries. Effect of Varying Economic and Demographic Assumptions for OASDI Cost Estimates: Effect of Varying Assumptions in 1974 Estimates. Effect of Varying Economic Assumptions in 1992 Estimates. Effect of Varying Demographic Assumptions in 1992 Estimates. Past Operations: Data on OASDI Coverage and Benefits Experience. Data on Medicare Coverage and Benefits Experience. Data on Operations of Trust Funds. Amount of Life Insurance under OASDI.	
Appendix 10-1. Actuarial Cost Estimates and Statistics for OASDI and Medicare	761
Part Four	
Allied Programs	795
11. Public Assistance Programs	797
Cash-Assistance Programs for Adults: Supplemental Security Income Program. Energy Assistance. Housing Assistance. Aid to Families with Dependent Children: Financing of AFDC. Statistics of Operation. Medicaid: Medical Assistance for the Aged. Enactment of Medicaid. Characteristics of Medicaid. Financing of Medicaid. General Assistance. Proposed Family Assistance Plan. Relationship between Public Assistance and Social Insurance Programs: General Relationship Principles. Data with Regard to the Relationship between Public Assistance and OASDI.	, , ,
Appendixes	
11-1. Public Assistance Programs before the Social Security Act	823

11-2. Development of Federal-State Public Assistance Programs

xviii Contents

12. Railroad Retirement System Early Pension Developments. Initial Government Action. Coverage Provisions. Current Retirement and Disability Benefit Provisions: Eligibility Conditions. Monthly Beneficiary Categories and Rates. Retirement and Disability Benefit Amounts. Spouse Benefit Amounts. Monthly Survivor Benefit Amounts. Other Survivor Benefits. Current Financing Provisions. Supplemental Annuity System. Commission on Railroad Retirement Reform.	833
Appendixes 12-1. Outline of the Benefit and Financing Provisions of the Railroad Retirement System as Amended through December 31, 1990	851
12-2. Operational Data for the Railroad Retirement System	864
12-3. Actuarial Basis of the Railroad Retirement System	866
12-4. Development of Financing Provisions of the Railroad Retirement System	868
Appendixes	
Appendix A Definition of Social Insurance Developed by the Committee on Social Insurance Terminology of the Commission on Insurance Terminology of the American Risk and Insurance Association	877
Appendix B Views on Individual Equity and Social Adequacy	878
Appendix C Presidential Statement upon Signing the Social Security Act, August 14, 1935	880
Appendix D Reporting and Promulgation Dates Specified by Law for the Old-Age, Survivors, and Disability Insurance and Medicare Programs	882
Appendix E Funding Ratios as OASDI and Medicare Triggering Devices	884
Appendix F Summary of Recommendations of the Social Security Technical Panel to the 1991 Advisory Council on Social Security	888
Appendix G Summary of Recommendations of the Health Technical Panel to the 1991 Advisory Council on Social Security	891

	Contents	xix
Appendix H		
Presidential Statement upon Signing the Social Security Amements of 1983, April 20, 1983	end-	893
Selected Bibliography		897
Index of Persons and Organizations		915
Index of Subjects		919

•

List of Tables

2.1. Estimated OASDI Coverage in Effect among Per-	
sons in Paid Employment, 1986	33
2.2. Normal Retirement Ages for Various Years of Birth	- 51
2.3. Summary of Eligibility Requirements and Benefit	
Rates for OASDI Benefits	66
2.4. Primary Insurance Amount as Percentage of Aver-	
age Indexed Monthly Earnings for Various AIMEs, 1979-	
Cohort Formula	77
2.5. Dollar Bands for PIA and MFB Formulas and Old-	
Law Earnings Bases for Various Years	80
2.6. Illustrative Monthly Benefits for Retired and Dis-	
abled Workers Who Attain Age 62 or Become Disabled	
n 1992, Benefits Payable under AIME Formula at Janu-	
ary–November 1992 Rates	82
2.7. Illustrative Monthly Benefits for Survivors for Cases	
of Death before Age 62 in 1992, Benefits Payable under	
AIME Formula at January–November 1992 Rates	84
2.8. Illustrative Monthly Benefits for Men Who Retired	
n Various Years at Age 65 or at Age 72 with Maximum	
Creditable Earnings in All Previous Years, as of Beginning	
of 1992	95
2.9. Ratios of Initial Primary Benefit for Man Retiring at	
Age 65 at Beginning of Year with Maximum Covered	
Earnings in All Previous Years to His Earnings in Year be-	
fore Retirement	96
2.10. Ratios of Annualized PIA for Persons Retiring at	
Beginning of Various Years to Earnings in Year before	
Retirement	108
2.11. Ratios of Annualized PIA for Persons Disabled be-	
fore Age 25 or at Age 29 (or Dying before Age 30), at Be-	
ginning of Various Years to Earnings in Year before	
Disablement (or Death)	113

xxii List of Tables

2.12. Annual Exempt Amounts under Earnings Test for	100
Various Years	123
2.13. Past and Future Tax Rates and Taxable Earnings	101
Bases for Employer and Employee Combined	131
2.14. Past and Future Tax Rates and Taxable Earnings	100
Bases for Self-Employed Persons	132
2.15. OASDI Benefit Table Applicable when AMW Is	
Computed for Periods Beginning with 1951, Effective De-	1.00
cember 1989	168
2.16. Approximate Formula for Maximum Family Bene-	170
fits, Effective December 1989	170
2.17. OASDI Benefit Table Applicable when AMW Is	
Computed for Periods Beginning with 1937, Effective De-	175
cember 1978	175
2.18. Wage-Indexing Series Used for 1979–1992 Cohorts	100
and Indexed Maximum Taxable Earnings for 1951–1992	180
2.19. Wage Trends and OASDI Benefit Increases under	
Automatic-Adjustment Provisions; Intermediate Assump-	
tions of 1978, 1979, and 1980 OASDI Trustees Reports	100
and Actual Experience	188
2.20. Benefit for Month of Retirement for Persons Attain-	
ing Age 62 at Various Times in 1978–1980 and Retiring at	191
Various Dates	191
2.21. Comparison of PIAs Based on AIME Method for	
Early 1980 for Individuals Attaining Age 62 at End of	100
1979 and at Beginning of 1980	198
2.22. Net Replacement Rates for Single Persons Retiring	909
at Age 65 in Early 1990	208
2.23. Net Replacement Rates for Married Persons with	910
Spouse of Equal Age Retiring at Age 65 in Early 1990	210
3.1. OASDI Benefit Formulas under the Social Security	0.40
Act and Its Amendments, 1935–1978	248
3.2. Minimum and Maximum Benefit Provisions under	
OASDI, according to Benefit Formula or Benefit Table in	954
Effect	254
3.3. Ultimate Tax Rates Scheduled for OASDI and HI	000
Systems under Various Acts	286
3.4. First and Last Years for Which Changed Earnings	
Base Was Effective and Proportions of Total Earnings in	001
OASDI Covered Employment Then Taxable	291
3.5. Comparison of Replacement Rates for Single Steady	
Workers Retiring at Normal Retirement Age under 1935	

List of Tables	iiixx
Act, 1939 Act, 1950 Act, and Later Laws for Various Earn-	
ings Levels and Lengths of Coverage	363
3.6. Derivation of OASDI Benefit Increases Which	
Would Have Resulted if Automatic-Adjustment Provisions	
Had Been Enacted in 1965, Effective for 1967	366
3.7. Derivation of Maximum Taxable Earnings Bases	
Which Would Have Resulted if Automatic-Adjustment	
Provisions Had Been Enacted in 1965, Effective for 1967	367
4.1. Actuarial Status of OASDI on a "Closed-Group" Ba-	
sis, 1971–91	381
4.2. Retrospective Fund Ratios of OASI Trust Fund, Fu-	
ture Intermediate-Cost Estimates Made in 1935–71	392
4.3. Prospective Fund Ratios of OASDI Trust Funds, Fu-	
ture Intermediate-Cost Estimates Made in 1978 and After	393
4.4. Comparison of Effect in Valuations of OASDI Sys-	
tem of Using Level-Costs as Compared with Average-Costs	418
4.5. Actuarial Status of OASDI and HI on Open-Group,	
Limited-Period Basis, 1971–91	424
4.6. Comparison of Annual Rates of Increase in the Con-	
sumer Price Index and in Wages	434
4.7. Long-Range Economic Assumptions Used in Vari-	
ous OASDI Cost Estimates Contained in Trustees Reports,	
Intermediate Assumptions	437
6.1. Hospital Insurance Tax Rates, 1984 and After	568
7.1. Combined Employer-Employee Hospital Insurance	
Tax Rates under Various Acts	604
7.2. Standard SMI Monthly Premium Rates in Various	
Periods	608
7.3. Hospital Insurance Cost-Sharing Provisions in Vari-	
ous Periods	636
7.4. Voluntary Hospital Insurance Standard Monthly	
Premium Rates in Various Periods	637
8.1. HI and OASDI Tax Rates under Present Law	648
8.2. Promulgated SMI Standard Premium Rates and Ac-	
tuarial Rates	656
8.3. Monthly Per Capita SMI Costs for General Treasury	
and Proportions of SMI Cost Borne by Enrollee Premium	
Rate	659
8.4. Multiplying Factors Applied to SMI Enrollee Pre-	
miums to Obtain Government Contribution	661
10.1. Estimated Amounts of Changes in OASDI Tax In-	
come, General Fund Transfers, and Benefit Payments that	

xxiv List of Tables

Will Result from 1983 Act Based on Intermediate (Alter-	
native II-B) Assumptions, 1983–1989	
10.2. Estimated Cost of OASDI and HI Benefits and Ad-	
ministrative Expenses under 1983 Act, as Percentage of	
Taxable Payroll, Intermediate Estimate in 1984 Trustees	
Reports	
10.3. Estimated Cost Rates, Income Rates, and Balances	
for OASDI and HI Programs, as Percentage of Taxable	
Payroll, Intermediate Estimate in 1984 Trustees Reports	
10.4. Estimated Progress of OASI Trust Fund under 1983	
Act, Intermediate Estimate in 1984 Trustees Reports	
10.5. Estimated Progress of DI Trust Fund under 1983	
Act, Intermediate Estimate in 1984 Trustees Reports	
10.6. Estimated Progress of HI Trust Fund under 1983	
Act, Intermediate Estimate in 1984 Trustees Reports	
10.7. Estimated Fund Ratios for OASDI and HI Trust	
Funds under 1983 Act, Various Alternative Estimates in	
1984 Trustees Reports	
10.8. Actuarial Balance of OASDI and HI Systems as of	
Time of Enactment of 1977 Amendments, Intermediate	
Estimate, as Percentages of Taxable Payroll	
10.9. Changes in OASDI Long-Range Actuarial Balance	
as Percentages of Taxable Payroll, as Result of 1977 Act,	
Intermediate Estimate, by Type of Change	
10.10. Changes in OASDI Long-Range Actuarial Balance	
as Percentages of Taxable Payroll, as Result of 1983 Act,	
Intermediate (Alternative II-B) Estimate, by Type of	
Change	
10.11. Estimated Cost of OASDI and HI Benefits and Ad-	
ministrative Expenses, as Percentage of Taxable Payroll,	
Intermediate Estimate, 1992 Trustees Report	
10.12. Estimated Cost Rates, Income Rates, and Actuarial	
Balances for OASDI and HI Programs, as Percentage of	
Taxable Payroll, Intermediate Estimate, 1992 Trustees	
Report	
10.13. Estimated Progress of OASI Trust Fund, Interme-	
diate Estimate, 1992 Trustees Report	
10.14. Estimated Progress of DI Trust Fund, Intermediate	
Estimate, 1992 Trustees Report	
10.15. Estimated Progress of HI Trust Fund, Intermediate	
Estimate, 1992 Trustees Report	
10.16. Estimated Fund Ratios for OASDI and HI Trust	

Funds, Various Alternative Estimates in 1992 Trustees	
Reports	771
10.17. Actuarial Balance of Combined OASDI Program	
under Various Acts for Various Estimates on an Interme-	
diate-Cost Basis	772
10.18. Actuarial Balance of OASI and DI Programs under	
Various Acts for Various Estimates on an Intermediate-	
Cost Basis	774
10.19. Average OASDI Costs and Actuarial Balances as	
Percentages of Taxable Payroll, 1992 Trustees Report	776
10.20. Actuarial Balance of HI Program under Various	
Acts for Various Estimates on an Intermediate-Cost Basis	777
10.21. Estimated Average-Costs of OASDI Benefit Pay-	
ments and Administrative Expenses as Percentages of Tax-	
able Payroll, by Type of Benefit, Intermediate Estimate,	
1991 Trustees Report	778
10.22. Comparison of OASDI Beneficiaries and Covered	
Workers, 1992 Trustees Report	779
10.23. Covered Workers, Covered Employers, Insured	
Persons, and Covered Earnings under OASDI, by Years	780
10.24. Beneficiaries and Average Old-Age Benefits, by	
Years	. 781
10.25. OASDI Monthly Beneficiaries in Current-Payment	
Status at End of 1990, by Category and Age Group	782
10.26. Number of OASDI Families and Beneficiaries in	7 0 44
Current-Payment Status and Average Monthly Benefit, for	
Selected Family Groups at End of 1990	783
10.27. Persons Eligible for Benefits under HI and SMI, as	,,,,
of Middle of Year	784
10.28. Average Annual Rates of Increase in Hospital Costs	701
and Physician Fees in Comparison with Rates of Increase	
of Prices and Wages	784
10.29. Progress of OASI Trust Fund, 1937–1991	786
10.30. Progress of DI Trust Fund, 1957–1991	788
10.31. Progress of HI Trust Fund, 1966–1991	789
10.32. Progress of SMI Trust Fund, 1966–1991	790
10.33. Surplus or Deficit in SMI Program on Incurred-	,,,,
Cost Basis, as of June 30 in 1967–1983 and as of January 1	*
in 1984-1993	791
10.34. Interest Rates Applicable to Special-Issues Invest-	131
ments of OASI, DI, HI, and SMI Trust Funds	792
10.35. Estimated Amount of Life Insurance in Force as	134
	709
Survivor Benefits under OASLI, as of Beginning of Year	793

List of Tables xxv

xxvi List of Tables

and OAA/SSI Payments 11.2. Proportion of Aged Population Receiving OASDI and OAA/SSI Payments 11.3. Concurrent Receipt of SSI and OASDI Benefits, December 1988 11.4. Maximum Matchable Amounts and Federal Matching Proportions for Cash Payments under OAA, AB, and APTD under Various Laws 11.5. Maximum Matchable Amounts and Federal Matching Proportions for Cash Payments under AFDC under Various Laws E.1. Characteristics and Operation of Prescribed OASDI Trust-Fund Ratios E.2. Characteristics and Operation of Prescribed Medi-		11.1. Persons Aged 65 or Over Receiving Both OASDI	
and OAA/SSI Payments 11.3. Concurrent Receipt of SSI and OASDI Benefits, December 1988 11.4. Maximum Matchable Amounts and Federal Matching Proportions for Cash Payments under OAA, AB, and APTD under Various Laws 11.5. Maximum Matchable Amounts and Federal Matching Proportions for Cash Payments under AFDC under Various Laws E.1. Characteristics and Operation of Prescribed OASDI Trust-Fund Ratios E.2. Characteristics and Operation of Prescribed Medi-			820
11.3. Concurrent Receipt of SSI and OASDI Benefits, December 1988 11.4. Maximum Matchable Amounts and Federal Matching Proportions for Cash Payments under OAA, AB, and APTD under Various Laws 11.5. Maximum Matchable Amounts and Federal Matching Proportions for Cash Payments under AFDC under Various Laws E.1. Characteristics and Operation of Prescribed OASDI Trust-Fund Ratios E.2. Characteristics and Operation of Prescribed Medi-		11.2. Proportion of Aged Population Receiving OASDI	
cember 1988 11.4. Maximum Matchable Amounts and Federal Matching Proportions for Cash Payments under OAA, AB, and APTD under Various Laws 11.5. Maximum Matchable Amounts and Federal Matching Proportions for Cash Payments under AFDC under Various Laws E.1. Characteristics and Operation of Prescribed OASDI Trust-Fund Ratios E.2. Characteristics and Operation of Prescribed Medi-		and OAA/SSI Payments	822
11.4. Maximum Matchable Amounts and Federal Matching Proportions for Cash Payments under OAA, AB, and APTD under Various Laws 83: 11.5. Maximum Matchable Amounts and Federal Matching Proportions for Cash Payments under AFDC under Various Laws 83: E.1. Characteristics and Operation of Prescribed OASDI Trust-Fund Ratios 88: E.2. Characteristics and Operation of Prescribed Medi-		11.3. Concurrent Receipt of SSI and OASDI Benefits, De-	
ing Proportions for Cash Payments under OAA, AB, and APTD under Various Laws 11.5. Maximum Matchable Amounts and Federal Matching Proportions for Cash Payments under AFDC under Various Laws E.1. Characteristics and Operation of Prescribed OASDI Trust-Fund Ratios E.2. Characteristics and Operation of Prescribed Medi-		cember 1988	822
APTD under Various Laws 11.5. Maximum Matchable Amounts and Federal Matching Proportions for Cash Payments under AFDC under Various Laws E.1. Characteristics and Operation of Prescribed OASDI Trust-Fund Ratios E.2. Characteristics and Operation of Prescribed Medi-		11.4. Maximum Matchable Amounts and Federal Match-	
11.5. Maximum Matchable Amounts and Federal Matching Proportions for Cash Payments under AFDC under Various Laws 83: E.1. Characteristics and Operation of Prescribed OASDI Trust-Fund Ratios 88. E.2. Characteristics and Operation of Prescribed Medi-		ing Proportions for Cash Payments under OAA, AB, and	
ing Proportions for Cash Payments under AFDC under Various Laws 83: E.1. Characteristics and Operation of Prescribed OASDI Trust-Fund Ratios 88: E.2. Characteristics and Operation of Prescribed Medi-		APTD under Various Laws	830
Various Laws 83: E.1. Characteristics and Operation of Prescribed OASDI Trust-Fund Ratios 88: E.2. Characteristics and Operation of Prescribed Medi-		11.5. Maximum Matchable Amounts and Federal Match-	
 E.1. Characteristics and Operation of Prescribed OASDI Trust-Fund Ratios 88 E.2. Characteristics and Operation of Prescribed Medi- 		ing Proportions for Cash Payments under AFDC under	
Trust-Fund Ratios 88. E.2. Characteristics and Operation of Prescribed Medi-		Various Laws	832
E.2. Characteristics and Operation of Prescribed Medi-		E.1. Characteristics and Operation of Prescribed OASDI	
•		Trust-Fund Ratios	885
care Trust-Fund Ratios 88		E.2. Characteristics and Operation of Prescribed Medi-	
	•	care Trust-Fund Ratios	886

List of Abbreviations

AALL American Association for Labor Legislation

AB Aid to the Blind

ACE Average current earnings (OASDI)
AFDC Aid to Families with Dependent Children

AHA American Hospital Association

AIME Average Indexed Monthly Earnings (OASDI)

AMA American Medical Association AMW Average Monthly Wage (OASDI)

APTD Aid to the Permanently and Totally Disabled

COES Committee on Economic Security
COLA Cost-of-living adjustment payment

CPI Consumer Price Index

CRR Commission on Railroad Retirement

CSR Civil Service Retirement
DI Disability Insurance

DIC Dependency and Indemnity Compensation (military

benefits)

DRC Delayed-Retirement Credit
DRG Diagnosis-Related Group

ECF Extended Care Facility (now termed Skilled Nursing

Facility)

ERISA Employee Retirement Income Security Act

ESRD End-Stage Renal Disease FAP Family Assistance Plan

FERS Federal Employees' Retirement System HCFA Health Care Financing Administration

HEW Health, Education, and Welfare (Department of)—

also see HHS

HH Home Health (services) HHA Home Health Agency

xxviii List of Abbreviations

TTITC	TY LA LYY C ' - (D C)
HHS	Health and Human Services (Department of)—
***	formerly HEW
HI	Hospital Insurance (Medicare Part A)
HIAA	Health Insurance Association of America
HMO	Health Maintenance Organization
MAA	Medical Assistance for the Aged
MCCA	Medicare Catastrophic Coverage Act
MFB	Maximum Family Benefit (OASDI)
NHI	National Health Insurance
NRA	Normal Retirement Age
OAA	Old-Age Assistance
OASDHI	Old-Age, Survivors, Disability, and Health Insurance
OASDI	Old-Age, Survivors, and Disability Insurance
OASDI-HI	Old-Age, Survivors, and Disability Insurance and
	Hospital Insurance
OASI	Old-Age and Survivors Insurance
OBRA	Omnibus Budget Reconciliation Act
PIA	Primary Insurance Amount (OASDI)
PSRO	Professional Standards Review Organization
QC	Quarter of Coverage (OASDI)
QMB	Qualified Medicare Beneficiary
RR	Railroad Retirement
RUI	Railroad Unemployment Insurance
SMI	Supplementary Medical Insurance (Medicare Part B)
SNF	Skilled Nursing Facility
SSA	Social Security Administration
SSI	Supplemental Security Income
TDI	Temporary Disability Insurance (cash sickness
	benefits)
UI	Unemployment Insurance
VA	Veterans Administration
WC	Workers' (Workmen's)-Compensation
ZPG	Zero Population Growth
210	zoro ropulation orowin

Foreword

The Social Security system of the United States influences in a direct or indirect manner about 235 million citizens and other residents. Some 95 million persons in the work force, and their employers, support the system through contributions (taxes). Some 41 million persons currently receive retirement, survivor, or disability benefit payments from the system. Almost all wives, husbands, widows, widowers, and children, whether paying taxes or not, are entitled to benefits based on certain contingencies or eventualities.

In 1991, about \$302 billion was paid into the system for Old-Age, Survivors, and Disability Insurance by employed individuals, employing organizations, and the self-employed. An additional \$75 billion was paid in for Hospital Insurance under the Medicare program and also \$12 billion in premium payments from enrollees under the Supplementary Medical Insurance program.

This volume is published 57 years after the Social Security system was established in the United States. In many respects the system is maturing, as suggested by its broad dimensions just described. In other ways, the system is changing, or is perceived to be changing, as demographic trends and economic problems have an impact on it. It seems reasonable to conclude that, more than ever in the past, there is broad public interest in how Social Security works and how well it will serve its present and future beneficiaries.

Robert J. Myers, a member of the statutory National Commission on Social Security of 1978–81, served as Chief Actuary of the Social Security Administration from 1947 to 1970, as Deputy Commissioner of Social Security in 1981–82, as Executive Director of the National Commission on Social Security Reform in 1982–83, as Chairman of the Railroad Unemployment Compensation Committee in [1983–84, and as Chairman of the Commission on Railroad Retirement Reform in 1989–90. He is acknowledged as one of the world's foremost authorities on social insurance and has served as consultant to many na-

xxx Foreword

tions. He is a past president of the American Academy of Actuaries and the Society of Actuaries and is a distinguished Fellow of this latter body.

This volume is a revision and updating of the author's *Social Security*, first published in 1975 and extensively revised and reorganized in 1981 and in 1985 under the auspices of the McCahan Foundation, and of a previous volume published in 1965 by Richard D. Irwin, Inc. The current volume takes into account the massive restructuring of the program through the legislation enacted in April 1983 to resolve the short-term and long-range financial problems then facing the cash-benefits portion of the Social Security program. The Pension Research Council is privileged to make this publication available. In keeping with the council's publication policy, it should be noted that the findings and conclusions in this volume are those of the author and should not be attributed to the Pension Research Council.

Jerry S. Rosenbloom Chairman Pension Research Council

Preface

Since the dark days of the depression years of the 1930s, social security programs of many types have grown rapidly in the United States. Their effects have been very significant from social, economic, and political standpoints.

Before the 1930s, the only social insurance programs were the workers' compensation laws, which were primarily state legislation. Allied with social insurance are the state-operated public assistance programs—both being part of what is internationally known as "social security." In one form or another, many of the public assistance plans were operative before the 1930s, but with the advent of federal financial participation, these programs too have grown rapidly. In their effects, the social insurance programs and the public assistance programs are not generally independent of each other or competitive, but rather the latter should complement the former.

This book has been written for the purpose of giving a thorough factual description of the various social insurance and allied programs now operating in the United States which deal with retirement, disability, survivor, and health benefits. The emphasis is both on the general principles underlying the development of the systems and their present status and on the general social and economic results developing from them. Necessarily, a certain amount of detail must be presented to indicate clearly the nature of the systems, but most of this has been placed in some 447 footnotes and 43 appendixes (at the ends of chapters, which constitute about 30 percent of the pages in the text). The reader who is interested in the broad general concepts of the various programs is advised to skip the footnotes and appendixes. Throughout the book, whenever legislative changes are discussed, besides telling what happened and when it happened, an effort is made to explain why it occurred in the way that it did.

The major emphasis is on the social insurance programs, rather than on public assistance. Furthermore, the greatest emphasis is on the largest program and the one that affects the most people—Old-Age, Survivors, and Disability Insurance and Medicare, sometimes referred to in combination as "social security"; the latter term, however, is more often used only for OASDI.

It is important to note that this book deals only with statutory programs. In many areas, such as retirement pensions, health care for the aged and the long-term disabled, and survivor benefits, significant protection supplementing that under statutory programs is provided through private-sector organizations (insurance companies, Blue Cross–Blue Shield plans, trusteed pension plans, and group-practice prepayment plans). In other areas, such as temporary sickness cash benefits, workers' compensation (work-connected injury or disease) benefits, and health care for the younger, working population, the protection is furnished predominantly by private-sector organizations (although workers' compensation is a statutory program).

Not included within the types of protection dealt with in this book are such closely related programs as unemployment insurance, cash-sickness (or temporary-disability) benefits, workers' compensation, no-fault automobile insurance, and state crime compensation programs. Although these possess some of the characteristics of social insurance or other types of social benefit programs, they do not seem to be comparable to the broad government programs dealt with here.

All references to years are to calendar years, unless otherwise indicated. The fiscal year of the federal government was from the preceding July 1 through June 30 for all fiscal years up through the one ended June 30, 1976. Since then, the fiscal year runs from the preceding October 1 to September 30.

The author wishes to acknowledge the helpfulness of friends and colleagues who supplied needed data or reviewed and commented on one or more chapters of the final manuscript. These include Bruce D. Schobel, FSA, New York Life Insurance Company; Roland E. King, FSA, Health Care Financing Administration; and Kenneth J. Zoll, Railroad Retirement Board.

Any factual errors or misstatements contained in this book are the sole responsibility of the author.

Robert J. Myers