Poland

The new pension system applies to people born in 1949 or after, that is aged 50 at the time of the reform. The new public scheme is based on a system of notional accounts. People under 30 (born in 1969 and after) at the time of the reform must also participate in the funded scheme; people aged 30-50 (born between 1949 and 1968) could choose the funded option. However, the choice had to be made in 1999 and it was irrevocable.

Qualifying conditions

The minimum pension age in the new system will be 65 for men and 60 for women. For the minimum pension, 25 and 20 years' contributions are required from men and women, respectively.

Benefit calculation

Earnings-related

A contribution of 12.22% of earnings will be credited to individuals' notional accounts. These contributions are uprated between the time they are made and the time of retirement by price inflation plus 75% of the growth of the real covered wage bill. From 2004 onwards, the notional interest rate will be defined as 100% of the growth of the real covered wage bill and no less than price inflation.

At retirement, accumulated notional capital is divided by the "g-value" to arrive at the pension benefit. The g-value is average life expectancy at retirement age: this process is equivalent to the process of annuitisation in funded pension systems. The g-value is calculated using the actuarial data from the United Nations/World Bank population database.

There is a ceiling to contributions and pensionable earnings of PLN 64 620. The policy is to set the ceiling at 2½ times projected average earnings for a given year.

Pensions in payment are uprated in line with 80% of prices and 20% of average earnings. Note, however, that the 2004 government proposal includes a shift to prices from 2005.

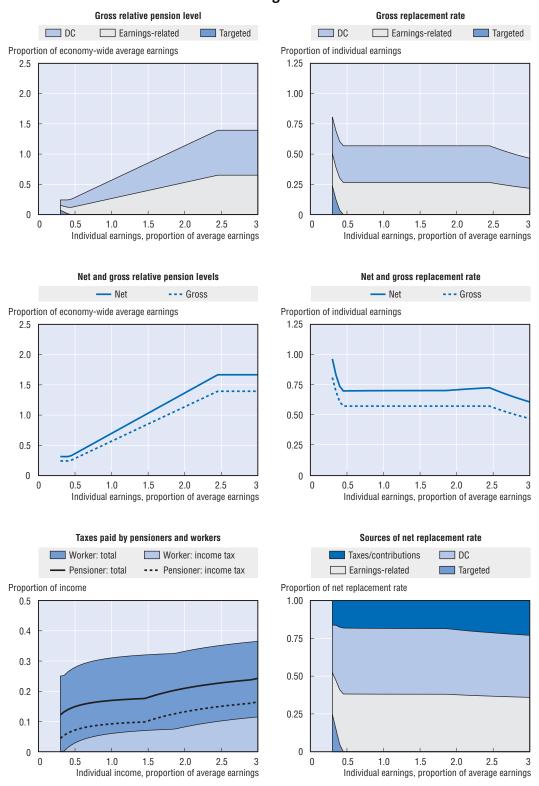
Minimum pension

The minimum pension was PLN 530 per month in 2001-02 and PLN 533 in 2002-03. The model uses the average value for calendar 2002. The minimum pension target is adjusted to 80% inflation plus 20% of wage growth.

Defined contribution

Some 7.3 percentage points of the total contribution are diverted to the funded scheme for those compulsorily covered or choosing this option. At retirement, the

Pension modelling results: Poland



Source: OECD, based on information provided by the countries.

accumulated capital must be converted to an annuity. At the minimum, this must be price-indexed (which is used in the model calculation). Annuity rates will most likely have to be based on unisex life-tables though this has not been decided yet.

Personal and income tax and social security contributions

Taxation of pensioners

There is no specific tax relief for pensioners.

Taxation of pension income

There are no special rules for the taxation of pension income. [Employees can deduct PLN 1 444 for 2002 from their incomes for work-related expenses (although this varies with the number of workplaces and whether the workplace is the same as the dwelling). Of course, this deduction does not apply to pensioners.]

Social security contributions paid by pensioners

Pension income is not subject to contributions for pensions, unemployment insurance etc. However, there is a tax-deductible health-insurance contribution of 7.75%. This contribution started to increase by 0.25 percentage points each year from 2003 to reach the level of 9%, but only 7.75% will be tax deductible. The contribution is paid by both pensioners and workers.

Pension modelling results: Poland

Men		Individual earnings, multiple of average				
Women (where different)	0.5	0.75	1	1.5	2	2.5
Gross pension level	28.4	42.6	56.9	85.3	113.7	139.4
(% of average earnings)	24.2	31.0	41.4	62.1	82.8	101.5
Net pension level	36.4	53.0	69.7	103.1	136.5	166.7
(% of average net earnings)	31.4	39.4	51.6	75.9	100.2	122.1
Gross replacement rate	56.9	56.9	56.9	56.9	56.9	55.8
(% of individual earnings)	48.4	41.4	41.4	41.4	41.4	40.6
Net replacement rate	69.6	69.7	69.7	69.8	70.5	71.0
(% of individual net earnings)	60.1	51.8	51.6	51.3	51.7	52.0
Gross pension wealth	4.0	5.9	7.9	11.9	15.8	19.4
(multiple of average earnings)	4.8	6.1	8.2	12.3	16.4	20.1
Net pension wealth	5.1	7.4	9.7	14.4	19.0	23.2
(multiple of average net earnings)	6.2	7.8	10.2	15.0	19.8	24.1

Bibliography

- Aldrich, J. (1982), "The Earnings Replacement Rate of Old-age Benefits in Twelve Countries: 1969-1980", Social Security Bulletin, Vol. 45, No. 11, pp. 3-11.
- Blanchard, O.J. (1993), "The Vanishing Equity Premium", in R. O'Brien (ed.), Finance and the International Economy 7, Oxford University Press.
- Bodie, Z. (1995), "On the Risk of Stocks in the Long Run", Financial Analysts' Journal, May-June, pp. 18-22.
- Casey, B., H. Oxley, E.R. Whitehouse, P. Antolín, R. Duval and W. Leibfritz (2003), "Policies for an Ageing Society: Recent Measures and Areas for Further Reform", Economics Department Working Paper No. 369, OECD, Paris.
- Cichon, M. (1999), "Notional Defined-contribution Schemes: Old Wine in new Bottles?", *International Social Security Review*, Vol. 52, No. 4, pp. 87-105.
- Constantinides, G., J. Donaldson and R. Mehra (1998), "'Junior Can't Borrow' A New Perspective on the Equity Premium Puzzle", Working Paper No. 6617, National Bureau of Economic Research, Cambridge.
- Dang, T.T., P. Antolín and H. Oxley (2001), "Fiscal Implications of Ageing: Projections of Age-related Spending", Working Paper No. 305, Economics Department, OECD, Paris.
- Diamond, P.A. (1997), "Insulation of Pensions from Political Risk", in S. Valdés-Prieto (ed.), The Economics of Pensions: Principles, Policies and International Experience, Cambridge University Press.
- Disney, R.F. (1999), "Notional Accounts as a Pension Reform Strategy: an Evaluation", Pension Reform Primer Series, Social Protection Discussion Paper No. 9928, World Bank, Washington, D.C.
- Disney, R.F. and P.G. Johnson (eds.) (2001), Pension Systems and Retirement Incomes Across OECD Countries, Edward Elgar, Aldershot.
- Disney, R.F. and Whitehouse, E.R. (1994), "Choice of Private Pension and Pension Benefits in Britain", Working Paper No. 94/2, Institute for Fiscal Studies, London.
- Disney, R.F. and E.R. Whitehouse (1996), "What are Pension Plan Entitlements Worth in Britain?", Economica, Vol. 63, pp. 213-238.
- Disney, R.F. and E.R. Whitehouse (1999), "Pension Plans and Retirement Incentives", Pension Reform Primer Series, Social Protection Discussion Paper No. 9924, World Bank, Washington, D.C.
- Disney, R.F. and E.R. Whitehouse (2001), Cross-Country Comparisons of Pensioners' Incomes, Report Series No. 142, Department for Work and Pensions, London.
- Eurostat (1993), Old Age Replacement Ratios, Vol. 1, Relation between Pensions and Income from Employment at the Moment of Retirement, Statistical Office of the European Communities, Luxembourg.
- Finkelstein, A. and J. Poterba (2002), "Selection Effects in the United Kingdom Individual Annuities Market", Economic Journal, Vol. 112, No. 476, pp. 28-50.
- Finkelstein, A. and J. Poterba (2004), "Adverse Selection in Insurance Markets: Policyholder Evidence from the UK Annuity Market", Journal of Political Economy, Vol. 112, No. 1, pp. 183-208.
- Förster, M.F. and M. Mira d'Ercole (2005), "Income Distribution and Poverty in OECD Countries in the Second Half of the 1990s", Social, Employment and Migration Working Paper, No. 22, OECD, Paris.
- Hernanz, V., F. Malherbert and M. Pellizzari (2004), "Take-up of Welfare Benefits in OECD Countries: a Review of the Evidence", Social, Employment and Migration Working Paper No. 17, OECD, Paris.
- Ippolito, R. (1991), "Encouraging Long Tenure: Wage Tilt or Pensions", Industrial and Labor Relations Review, Vol. 44, No. 3.

- Jagannathan, R. and N. Kocherlakota (1996), "Why Should Older People Invest Less in Stocks than Younger People?", Federal Reserve Bank of Minneapolis Quarterly Review, Vol. 20, No. 3, Summer.
- Johnson, P.G. (1998), Older Getting Wiser, Institute of Chartered Accountants in Australia.
- Keenay, G. and E.R. Whitehouse (2002a), "Taxing Pensioners", in Taxing Wages, OECD, Paris.
- Keenay, G. and E.R. Whitehouse (2002b), "The Role of the Personal Tax System in Old-age Support: a Survey of 15 Countries", Discussion Paper No. 02/07, Centre for Pensions and Superannuation, University of New South Wales, Sydney.
- Keenay, G. and E.R. Whitehouse (2003a), "Financial Resources and Retirement in Nine OECD Countries: the Role of the Tax System", Social, Employment and Migration Working Paper No. 8, OECD, Paris.
- Keenay, G. and E.R. Whitehouse (2003b), "The Role of the Personal Tax System in Old-age Support: a Survey of 15 Countries", Fiscal Studies, Vol. 24, No. 1, pp. 1-21.
- Lazear, E. (1981), "Agency, Earnings Profiles, Productivity and Hours Restrictions", American Economic Review, Vol. 71, pp. 606-620.
- Lazear, E. (1985), "Incentive Effects of Pensions", in D. Wise (ed.), Pensions, Labor and Individual Choice, University of Chicago Press for National Bureau of Economic Research.
- McHale, J. (1999), "The Risk of Social Security Benefit Rule Changes: Some International Evidence", Working Paper No. 7031, National Bureau of Economic Research, Cambridge, Mass.
- Mehra, R. and E.C. Prescott (1985), "The Equity Premium: a puzzle", Journal of Monetary Economics, Vol. 15, pp. 145-161.
- Mitchell, O.S. and E.L. Dykes (2000), "New Trends in Pension Benefit and Retirement Provisions", Working Paper No. 2000-1, Pension Research Council, Wharton School, University of Pennsylvania, Philadelphia.
- OECD (1995), Private Pensions in OECD Countries: Canada, Social Policy Studies No. 15, Paris.
- OECD (2001), Ageing and Income. Financial Resources and Retirement in Nine OECD Countries, Paris.
- OECD (2003), Taxing Wages, Paris.
- OECD (2004), OECD Classification and Glossary of Private Pensions, Paris.
- OECD (2005), Taxing Wages, Paris.
- Palacios, R.J. and E.R. Whitehouse (2000), "Guarantees: Counting the Cost of Guaranteeing Defined Contribution Pensions", Pension Reform Primer briefing note, World Bank, Washington, D.C.
- Palacios, R.J. and E.R. Whitehouse (2005), "Civil-service Pension Schemes Around the World", Pension Reform Primer series, Social Protection Discussion Paper, World Bank, Washington, D.C., forthcoming.
- Pennachi, G.G. (1998), "Government Guarantees on Funded Pension Returns", Pension Reform Primer series, Social Protection Discussion Paper No. 9806, World Bank.
- Turner, J.A. and D.M. Rajnes (2000), "Limiting Worker Financial Risk Through Risk Sharing: Minimum Rate of Return Guarantees for Mandatory Defined Contribution Plans", International Labour Organisation, Geneva.
- United Kingdom, Department of Work and Pensions (2003), "Income Related Benefits Estimates of Take-up 2000-2001", London.
- United Kingdom, Government Actuary's Department (2003), Occupational Pension Schemes in 2000: Eleventh Survey by the Government Actuary.
- United States, Department of Labor (1999), Private Pension Plan Bulletin: Abstract of 1996 Form 5 500 Annual Reports, Pension and Welfare Benefits Administration, Washington, D.C.
- Viscusi, W.K. (1985), "The Structure of Uncertainty and the Use of Pensions as a Mobility-reduction Device", in D. Wise (ed.), Pensions, Labor and Individual Choice, University of Chicago Press for National Bureau of Economic Research.
- Vordring, H. and Goudswaard, K. (1997), "Indexation of Public Pension Benefits on a Legal Basis: Some Experiences in European Countries", International Social Security Review, Vol. 50, No. 3, pp. 31-44.
- Weaver, R.K. (1988), Automatic Government: The Politics of Indexation, Brookings Institution, Washington, D.C.
- Whiteford, P. (1995), "The Use of Replacement Rates in International Comparisons of Benefit Systems", International Social Security Review, Vol. 48, No. 2.

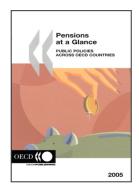
- Whitehouse, E.R. (1998), "Pension Reform in Britain", Pension Reform primer series, Social Protection Discussion Paper No. 9810, World Bank, Washington, D.C.
- Whitehouse, E.R. (2000), "Administrative Charges for Funded Pensions: Measurement Concepts, International Comparison and Assessment", *Journal of Applied Social Science Studies*, Vol. 120, No. 3, pp. 311-361.
- Whitehouse, E.R. (2001), "Administrative Charges for Funded Pensions: Comparison and Assessment of 13 Countries", in Private Pension Systems: Administrative Costs and Reforms, Private Pensions Series, Vol. 3, OECD, Paris.
- Whitehouse, E.R. (2002), "Pension Systems in 15 Countries Compared: the Value of Entitlements", Discussion Paper No. 02/04, Centre for Pensions and Superannuation, University of New South Wales, Sydney.
- Whitehouse, E.R. (2005a), "Pension Policy Around the World: Vol. 1, High-income OECD Countries", Social Protection Discussion Paper, World Bank, Washington, D.C.
- Whitehouse, E.R. (2005b), "Pension Policy Around the World: Vol. 2, Eastern Europe and Central Asia", Social Protection Discussion Paper, World Bank, Washington, D.C.
- Whitehouse, E.R. (2005c), "Pension Policy Around the World: Vol. 3, Latin American and Caribbean", Social Protection Discussion Paper, World Bank, Washington, D.C.
- Whitehouse, E.R. and R.J. Palacios (2005), "Pension Policy Around the World: Vol. 5, South Asian Civil-service Schemes", Social Protection Discussion Paper, World Bank, Washington, D.C.
- Whitehouse, E.R. and D. Robalino (2005), "Pension Policy Around the World: Vol. 4, Middle East and North Africa", Social Protection Discussion Paper, World Bank, Washington, D.C.
- World Bank (1994), Averting the Old-Age Crisis: Policies to Protect the Old and Promote Growth, Oxford University Press.

Table of Contents

Preface: Why Pensions at a Glance?	9
Introduction	11
Executive Summary	15
Part I	
Monitoring Pension Policies	
Chapter 1. Pension-system Typology	21
First-tier, redistributive pensions	22 24
Notes	25
Chapter 2. Comparing Pension-system Parameters	27
 First-tier, redistributive schemes Second-tier, earnings-related schemes Earnings measures and valorisation in earnings-related schemes Defined-contribution schemes Ceilings on pensionable earnings Pension eligibility ages Indexation of pensions in payment Taxes and social security contributions Notes 	28 31 33 34 34 34 37
Chapter 3. Modelling Pension Entitlements	39
1. Future entitlements under today's parameters and rules. 2. Coverage. 3. Economic variables. 4. Average earnings data. 5. Taxes and social security contributions. 6. Indicators and results. Notes.	40 41 42 42 42 45
Chapter 4. Replacement Rates	47
1. Gross replacement rates	48 51
Notes	53

Chapter 5.	Relative Pension Levels	55
Chapter 6.	Pension Wealth	59
Notes		63
Chanter 7	Key Indicators	65
=		
	ighted averages and the earnings distribution	66
	ighted average pension levels and pension wealth	67 68
	-	
Notes		70
Annex I.1.	Differences between Defined-benefit, Points and Notional-accounts	
	Pension Systems	71
Annex I.2.	Sensitivity Analyses	73
Annex I.3.	Progressivity of Pension Benefit Formulae	81
Bibliograph	ny	84
	Part II	
	Country Studies	
	on	
		95
J		98
	119	
-	ublic	
	······································	
	······································	
-		
0 ,		
		133
		136
,		140
-		143
		146
		149
		152
		155
		158
,		161
Portugal		164
•		167
-		170
Sweden		173

Switz	erland	177
Turke	у	180
Unite	d Kingdom	183
Unite	d States	187
VOLU	NTARY, OCCUPATIONAL PENSIONS	191
Canad	da	193
Denm	nark	196
Unite	d Kingdom	198
	d States	
List o	f Box	
3.1.	Modelling pensions	44
List o	f Tables	
	Structure of pension systems in OECD countries	23
	Summary of pension system parameters	
	Earnings measure and valorisation: earnings-related schemes	32
	Procedures for adjustment of pensions in payment by country and scheme	35
	Categories of concession available to pensioners	37
	<u>-</u>	
	Earnings of the average production worker, 2002	43
4.1.	Gross replacement rates by earnings level, mandatory pension programmes,	4.0
4.2	men Net replacement rates by earnings level, mandatory pension programmes,	49
4.2.	menmen	52
<i>c</i> 1		61
	Total life expectancy at age 65, 2040 projected mortality rates	61
0.2.	Gross pension wealth by earnings level, mandatory pension programmes,	60
7 1	men	63
	Weighted average pension level and pension wealth	67
7.2.	Contribution of different components of pension systems to total	-
T O 4	pension promise	69
1.3.1.	Indicators of the progressivity of pension benefit formulae	82
List o	f Figures	
	Gross replacement rates at different earnings levels	50
4.2.	Net replacement rates at different earnings levels	51
5.1.	The link between pre-retirement earnings and pension entitlements	57
7.1.	Distribution of earnings, average of 16 OECD countries	66
I.2.1.	Total gross replacement rates for low, average and high earners by rate	
	of return on defined-contribution pensions	74
I.2.2.	Total gross replacement rates for low, average and high earners by rate	
	of growth of economy-wide average earnings	77
I.2.3.	Total gross replacement rates for low, average and high earners by rate	
	of growth of individual earnings relative to average earnings	78
I.2.4.	Total gross replacement rates for low, average and high earners	
	by the number of jobs over the career	80



From:

OECD Pensions at a Glance 2005

Public Policies across OECD Countries

Access the complete publication at:

https://doi.org/10.1787/pension_glance-2005-en

Please cite this chapter as:

OECD (2006), "Poland", in *OECD Pensions at a Glance 2005: Public Policies across OECD Countries*, OECD Publishing, Paris.

DOI: https://doi.org/10.1787/pension_glance-2005-35-en

This work is published under the responsibility of the Secretary-General of the OECD. The opinions expressed and arguments employed herein do not necessarily reflect the official views of OECD member countries.

This document and any map included herein are without prejudice to the status of or sovereignty over any territory, to the delimitation of international frontiers and boundaries and to the name of any territory, city or area.

You can copy, download or print OECD content for your own use, and you can include excerpts from OECD publications, databases and multimedia products in your own documents, presentations, blogs, websites and teaching materials, provided that suitable acknowledgment of OECD as source and copyright owner is given. All requests for public or commercial use and translation rights should be submitted to rights@oecd.org. Requests for permission to photocopy portions of this material for public or commercial use shall be addressed directly to the Copyright Clearance Center (CCC) at info@copyright.com or the Centre français d'exploitation du droit de copie (CFC) at contact@cfcopies.com.

