Securing Lifelong Retirement Income

Annika Sundén



The Swedish Pension System

Compulsory system

Contribution = 18.5 % of earnings

16 % to Income Pension (NDC)

- Lifetime earnings
- Benefits indexed to life expectancy changes
- Indexed by average wages
- Automatic Balancing Mechanism
- 2.5 % to Premium Pension (FDC)
- Funded individual accounts

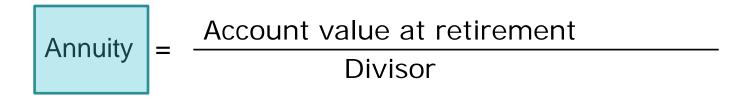


- Occupational schemes for 90 % of employees
- Contribution = typically 4.5 % of earnings



Retirement

•Benefits can be withdrawn from age 61. Mandatory annuitization in the income pension and the premium pension



•The divisor is calculated from unisex life expectancy at retirement age, at an interest rate of 1.6 % in the income pension

•Guarantee pension from age 65 provides a minimum benefit and tops up the income pension for individuals with low benefits



Benefits follow economic growth

Income pension

- Accounts grow with contributions and a rate of return equal to average earnings during accumulation
- Retirement benefits are indexed annually with income growth minus 1.6 percent
- When liabilities exceed assets, balancing is activated. Benefits are indexed less than wage growth or even reduced until financial stability is restored

Guarantee benefits

- Follow prices
- Provides some insurance for individuals with low benefits during balancing

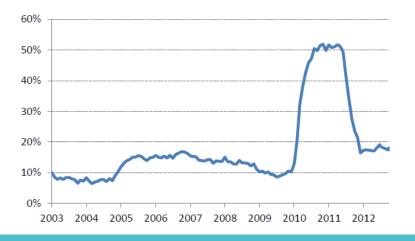


Premium Pension Benefits Depend on Capital Markets

Premium pension

- Accounts grow with contributions and the rate of return on investments during accumulation
- At retirement, participants can choose between unit-linked insurance and traditional insurance. The default is unit-linked insurance and most participants are in the default.

Share of participants in traditional insurance



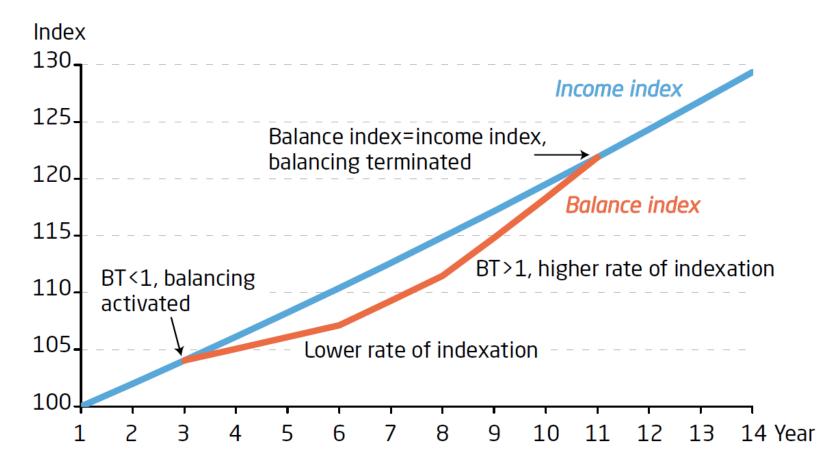


Later Retirement Necessary to Maintain Level of Benefits

Cohort	Public Benefits at 65 (%)	Total Benefits at 65 (%)	"Necessary" Retirement Age to Adjust for Changes in Life Expectancy	Public Benefits at "Necessary" Retirement Age (%)
1930	58.5	66.3	age 65	58.5
1950	47.6	60.3	66 and 4 months	52.2
1970	46.6	60.0	68 and 1 month	56.8
1990	44.4	61.4	69 and 1 month	57.3

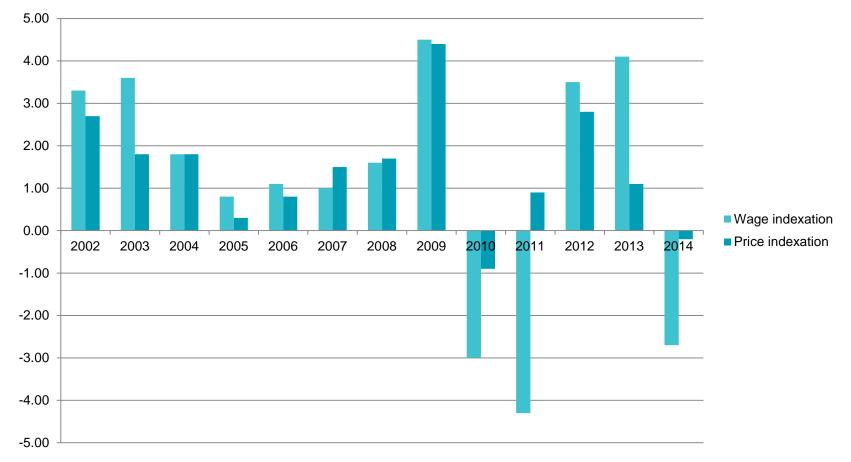


Balancing





Volatile Benefits from Income Pension Due to Balancing





Conclusions

- •Pension system is financially stable
- •Risk on participants
- •Current balancing period has produced significant volatility in benefits
- •Policy makers are discussing changes to indexation and the balancing mechanism

