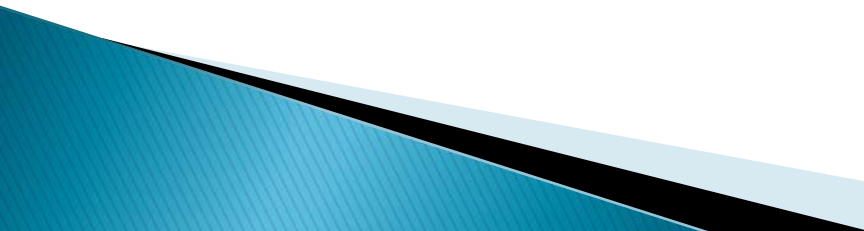


# Equity, Adequacy and Other Stuff

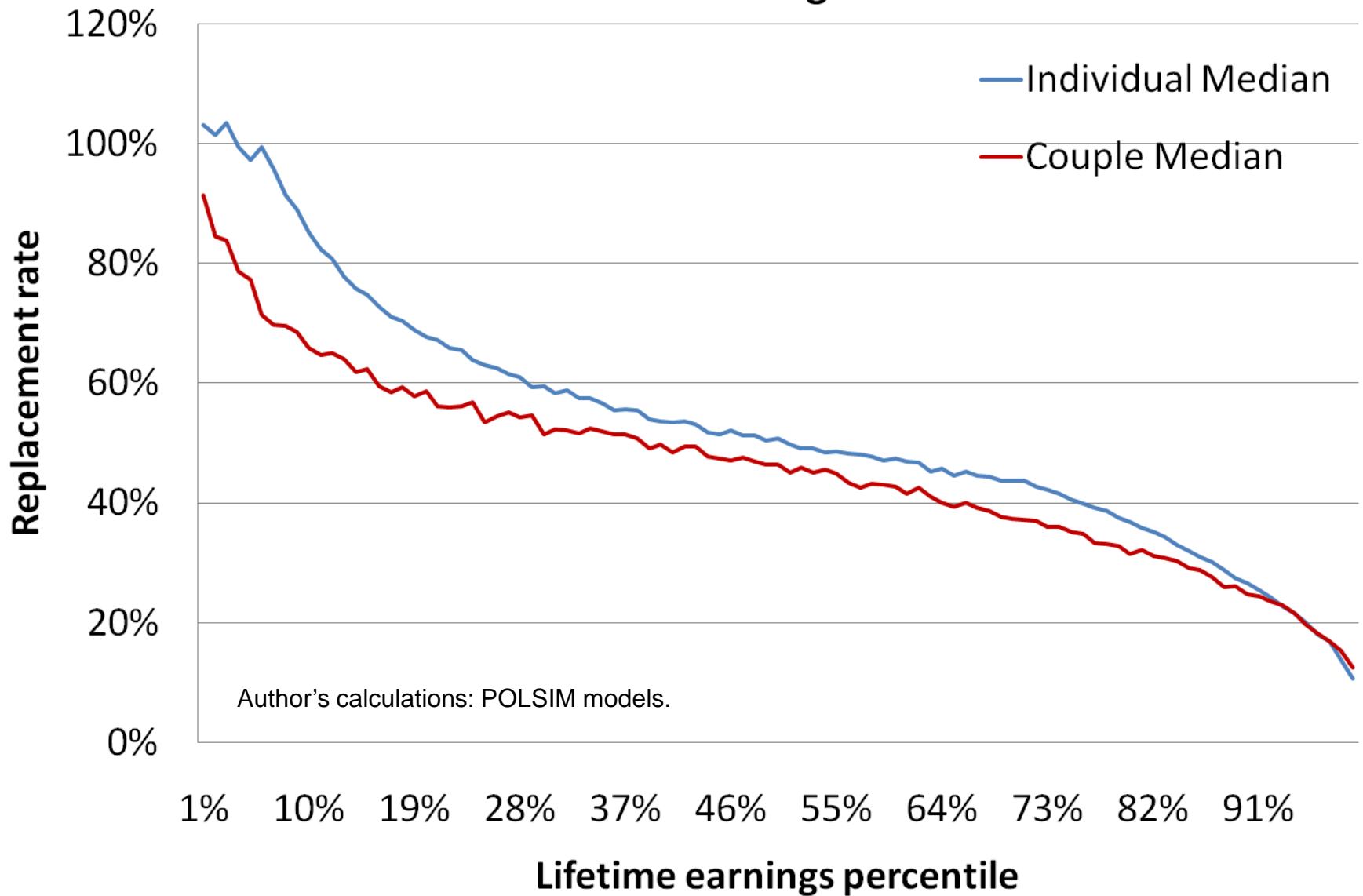
Andrew G. Biggs  
Resident Scholar  
American Enterprise Institute

National Academy of Social Insurance  
“Medicare and Social Security in a Time of Budget Austerity”  
January 31, 2013

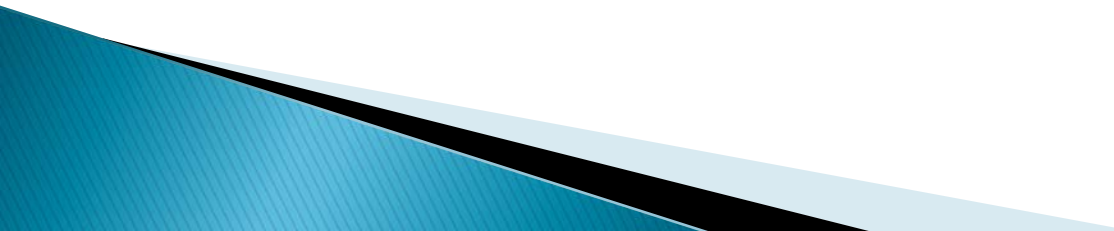
# Balancing equity and adequacy

- ▶ Equity: Paying benefits according to contributions
    - In base OASDI formula, higher earnings/contributions generates higher benefits
  - ▶ Adequacy: Providing low earners with enhanced protections against poverty
    - While dollar benefits rise with earnings, replacement rates fall
    - Low earners receive higher benefits relative to earnings/contributions
- 

## Individual and couple median replacement rates by lifetime earnings



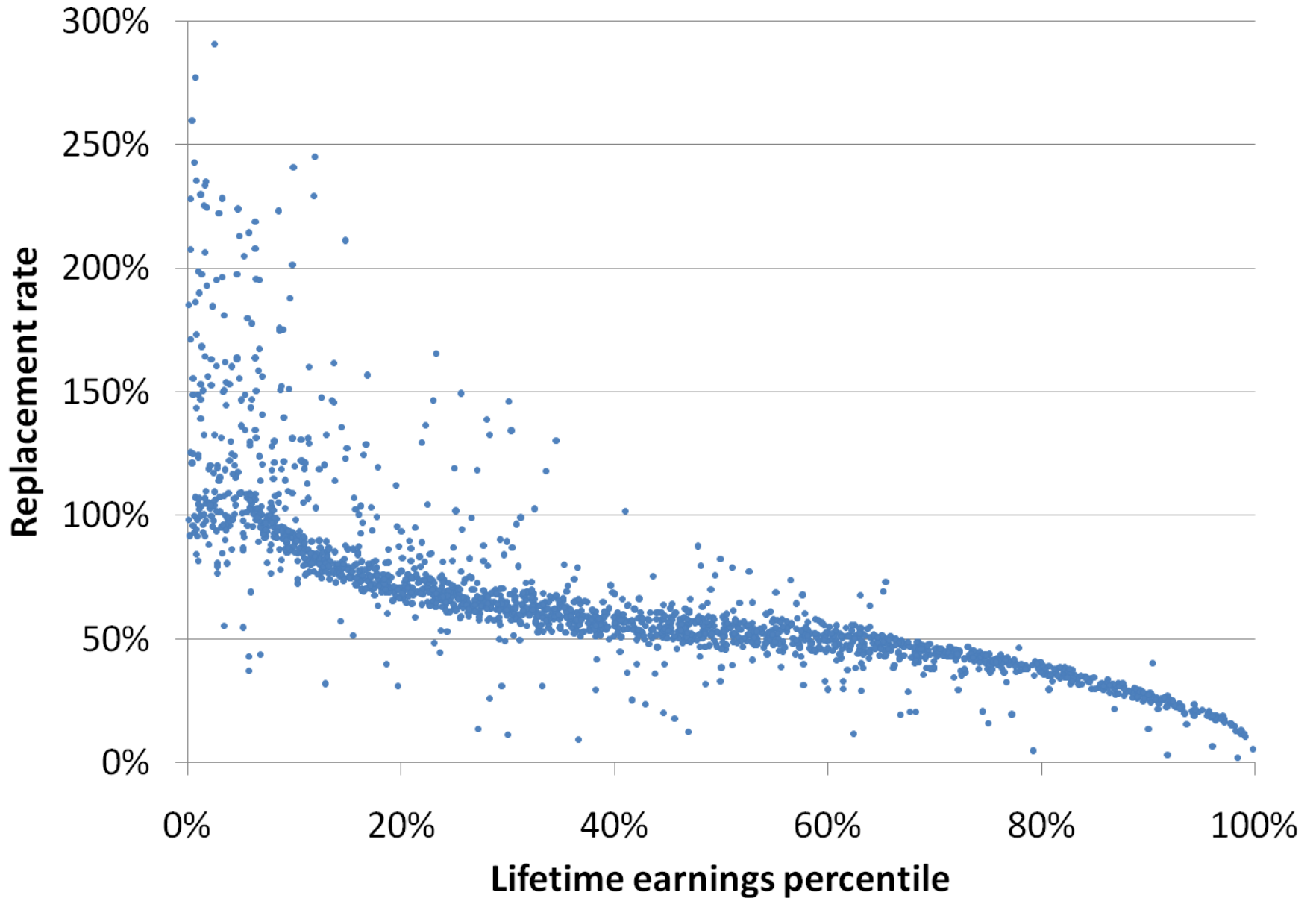
# But it's not *all* about equity and adequacy

- ▶ Much of the distribution of OASDI benefits is driven by factors other than equity or adequacy
  - ▶ Quirks in benefit formula mean that individuals/couples with same lifetime earnings can receive very different benefits
  - ▶ These aspects of benefit formula rarely have strong policy justification
- 

# How can people with the same earnings get different benefits?

- ▶ “Same earnings” = total lifetime earnings discounted at a safe interest rate
  - Reflects total amount available to consumer over lifetime, using saving/borrowing
- ▶ What factors cause benefits to differ even when lifetime earnings are the same?
  - 35-year AIME calculation
  - Relative earnings between spouses
  - 10-year marriage for divorced spouse benefits
  - Wage indexing of past earnings
  - 40-quarter benefit eligibility
  - Maximum taxable wage

# Individual replacement rate by lifetime earnings



## Couple replacement rates by lifetime earnings



# Poor benefit targeting

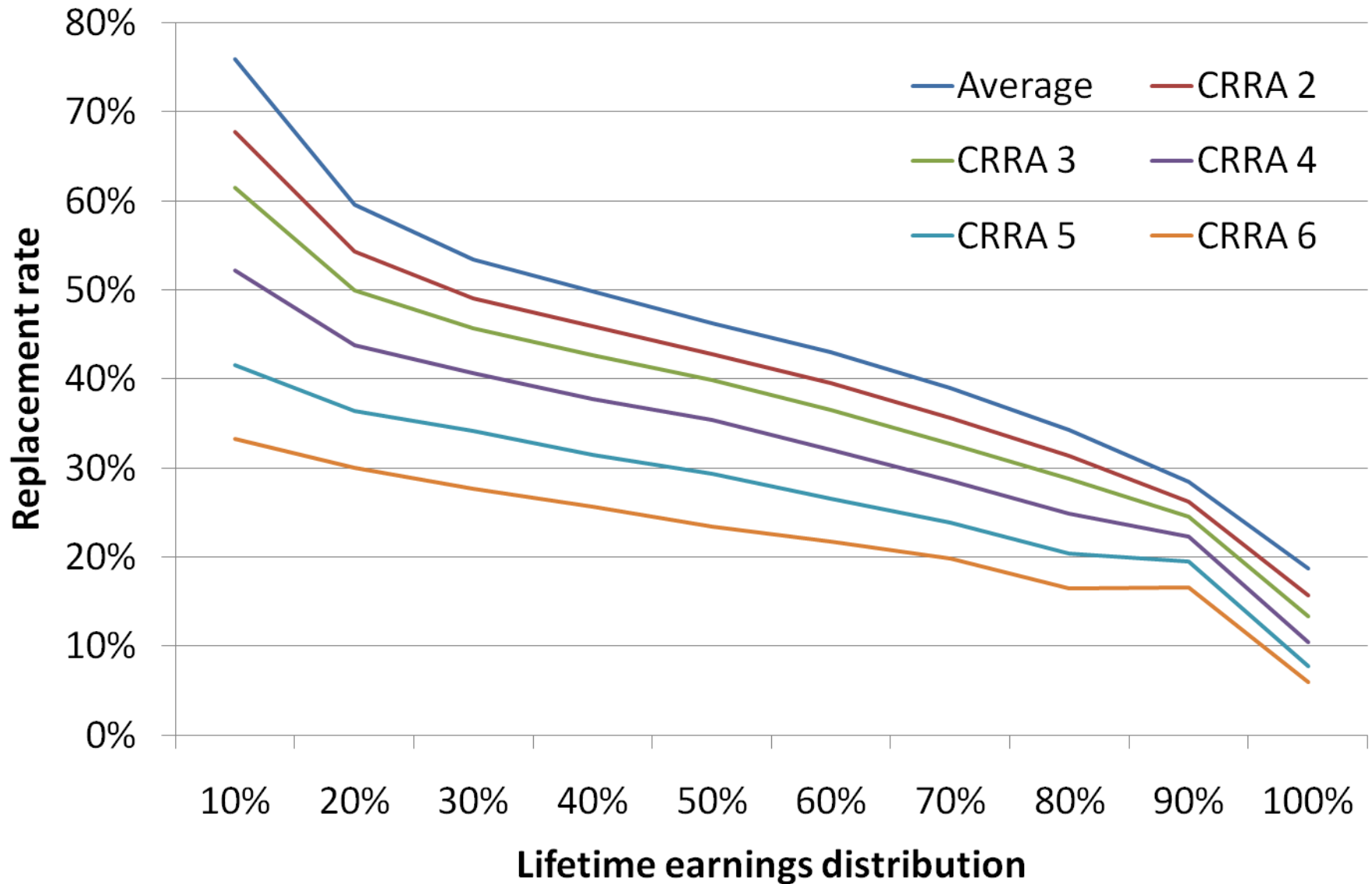
- ▶ Despite the goal of basing benefits on earnings, lifetime earnings are actually a poor predictor of benefits
  - $R^2$  of 0.31 for individuals; 0.55 for couples
  - Much or most of benefit distribution explained by factors *other* than equity or adequacy
- ▶ Benefit uncertainty particularly large for low earners
  - Some do very well, others poorly



# Benefit risk undermines social insurance value of OASDI

- ▶ Value of Defined Benefit (DB) plan over Defined Contribution (DC) plan lies in predictability of future benefit
  - Predictability makes other saving and retirement decisions easier
- ▶ Individuals/couples with same lifetime earnings should save roughly same amount
  - But when OASDI benefits vary, saving decisions complicated
- ▶ Benefit variability raises poverty/income inadequacy
  - ▶ For low earners, OASDI is a high-returning but risky investment

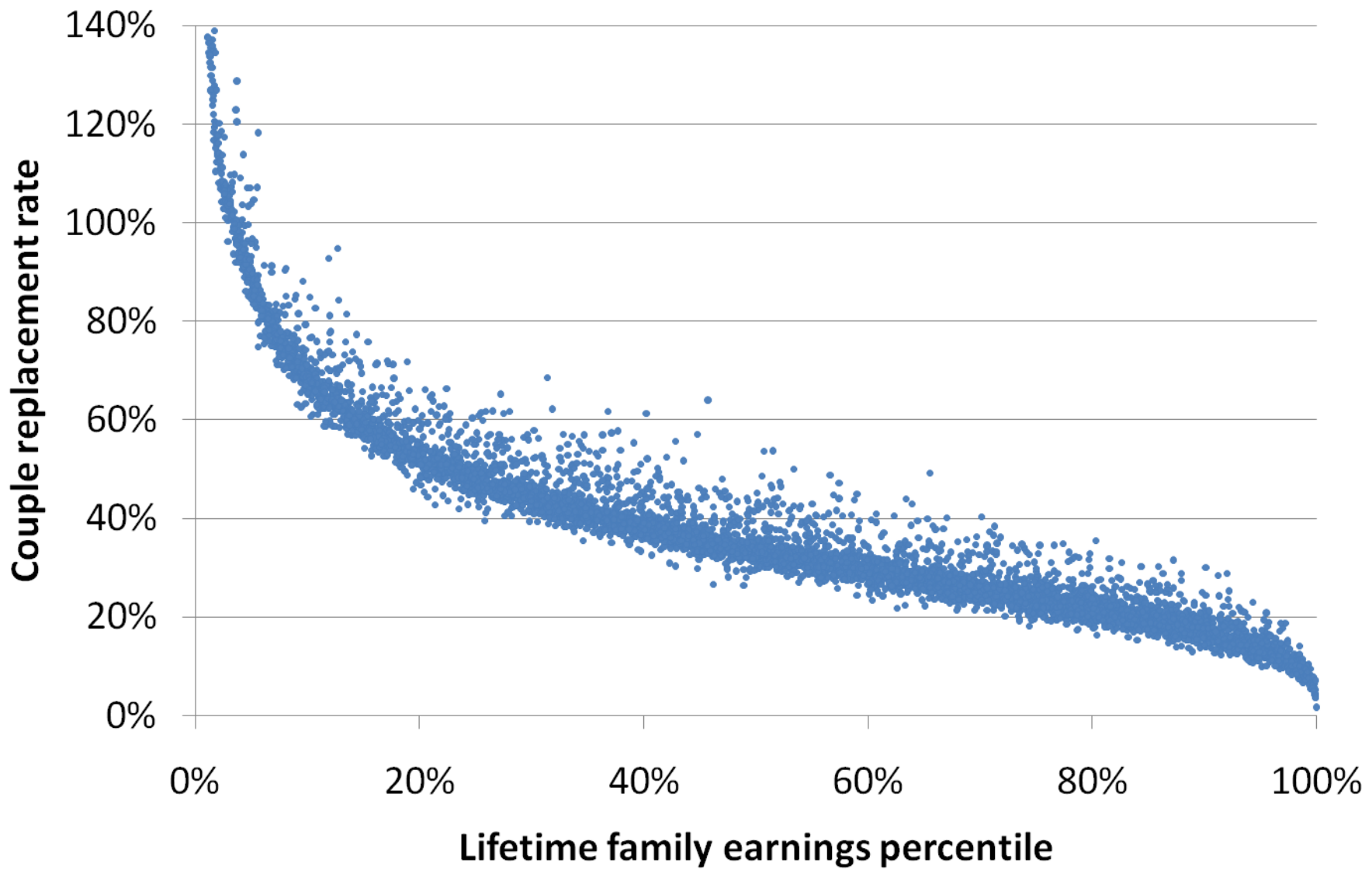
## Average and certainty-equivalent replacement rates, by lifetime earnings decile



# Can reform improve benefit targeting?

- ▶ Universal, flat benefit at poverty line (wage-indexed)
  - Paid regardless of earnings/labor force participation
- ▶ Personal accounts: 3% of payroll
  - Can be add-on, carve-out, or notional account
- ▶ Combination of two designed to mimic the generosity and progressivity of current law OASDI
  - But with better targeting, less uncertainty!

### Couple replacement rate by lifetime earnings; personal account plus flat dollar benefit, 1990 birth cohort



# Opportunities

- ▶ Poor benefit targeting is an inefficiency in Social Security design
  - ▶ But that means reform can produce better outcomes at the same cost
  - ▶ Reform needs to think beyond solvency or progressivity
  - ▶ A simpler benefit design with less fine-tuning might actually work better than current law
- 