

Equity, Adequacy and Other Stuff

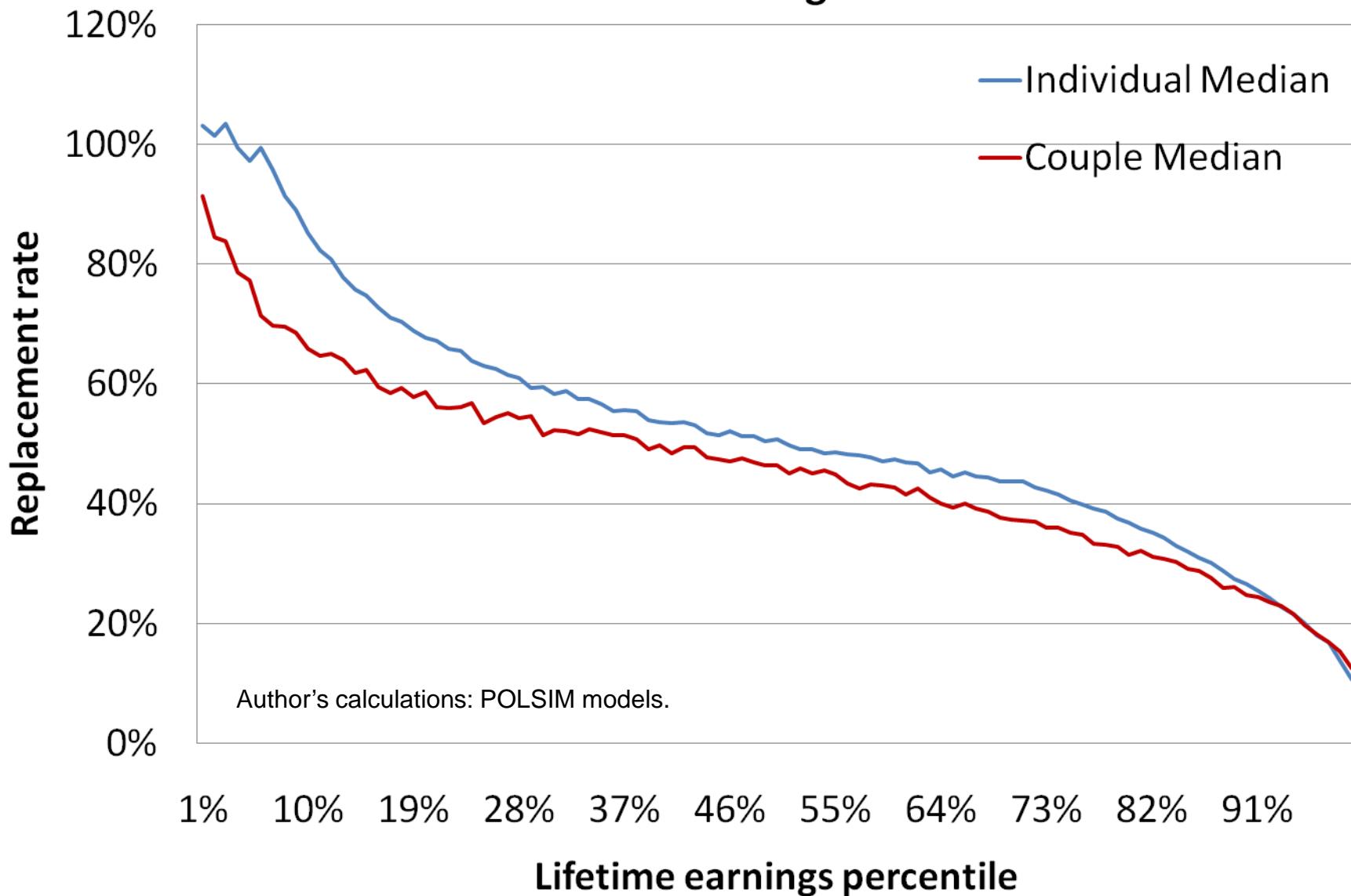
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Balancing equity and adequacy

- ▶ 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



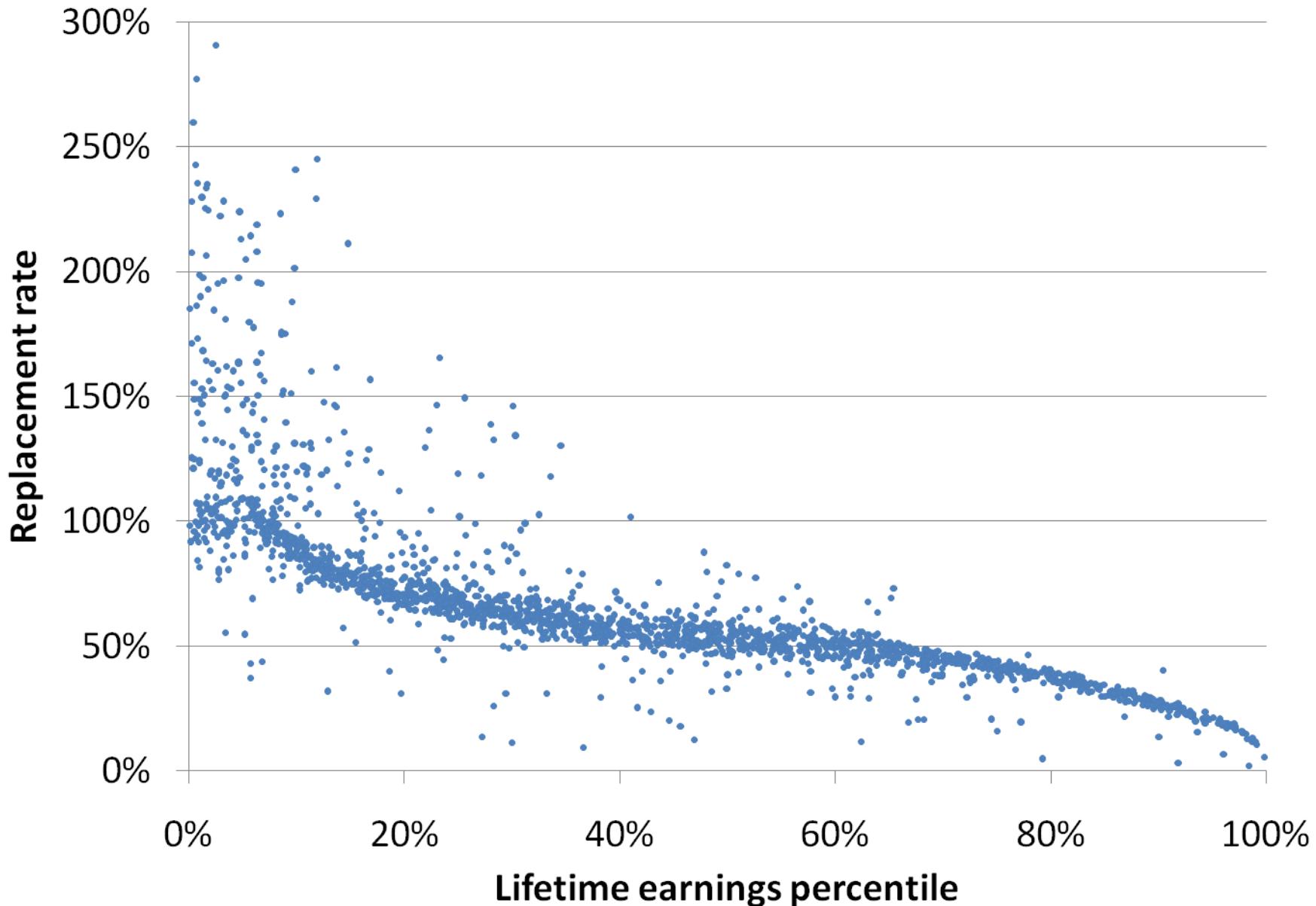
But it's not *all* about equity and adequacy

- ▶ 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

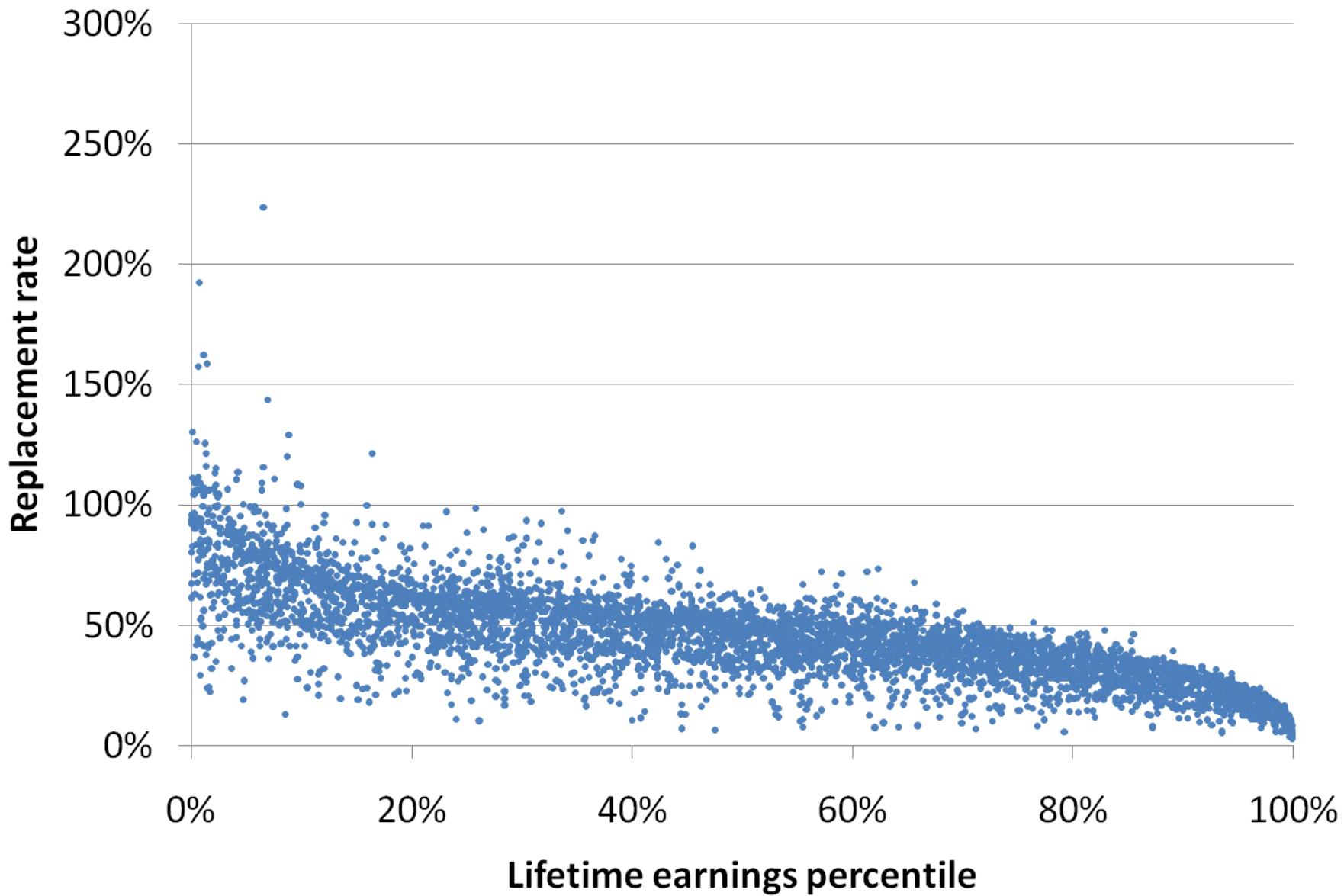
How can people with the same earnings get different benefits?

- ▶ “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



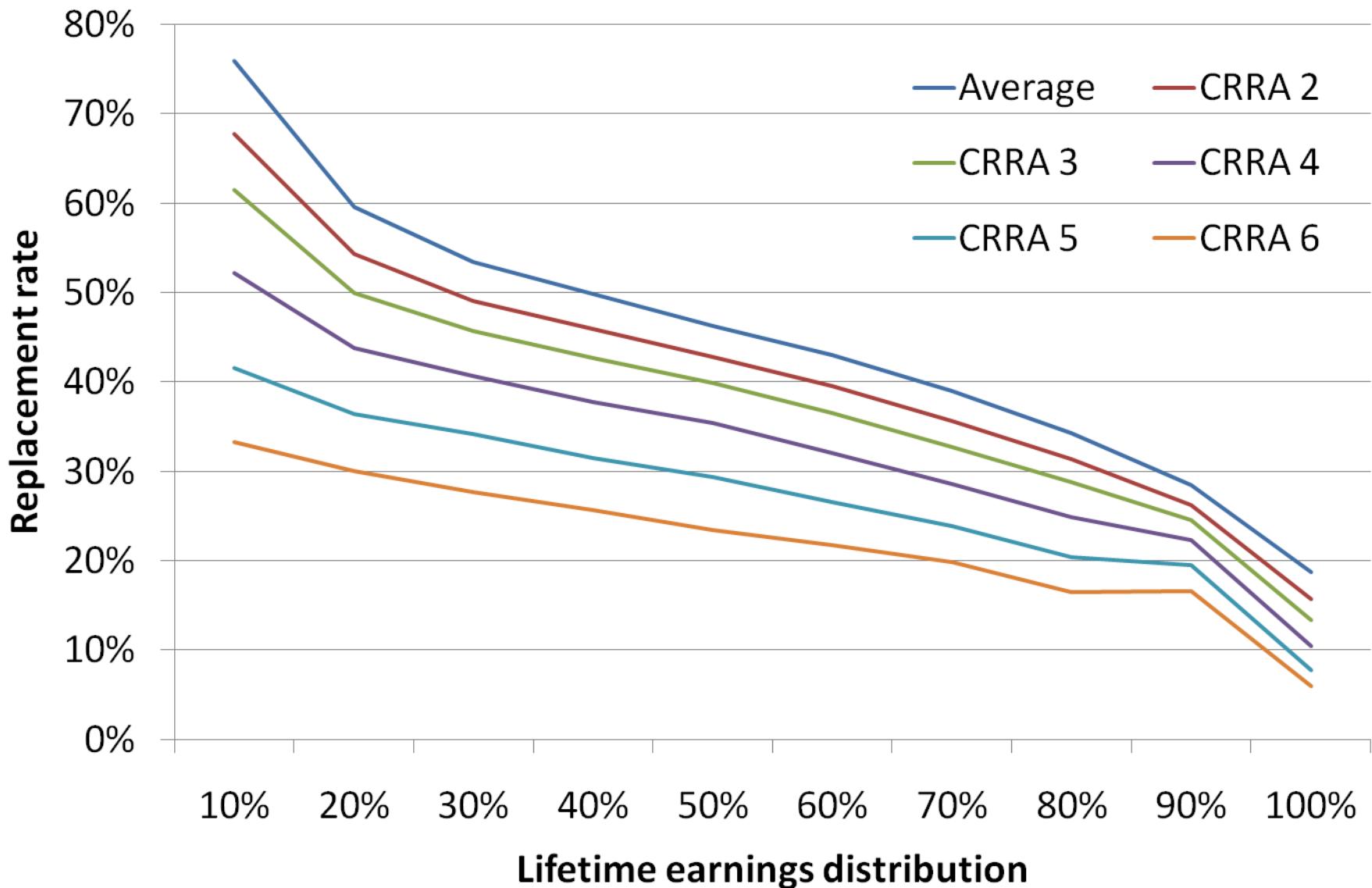
Poor benefit targeting

- ▶ 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

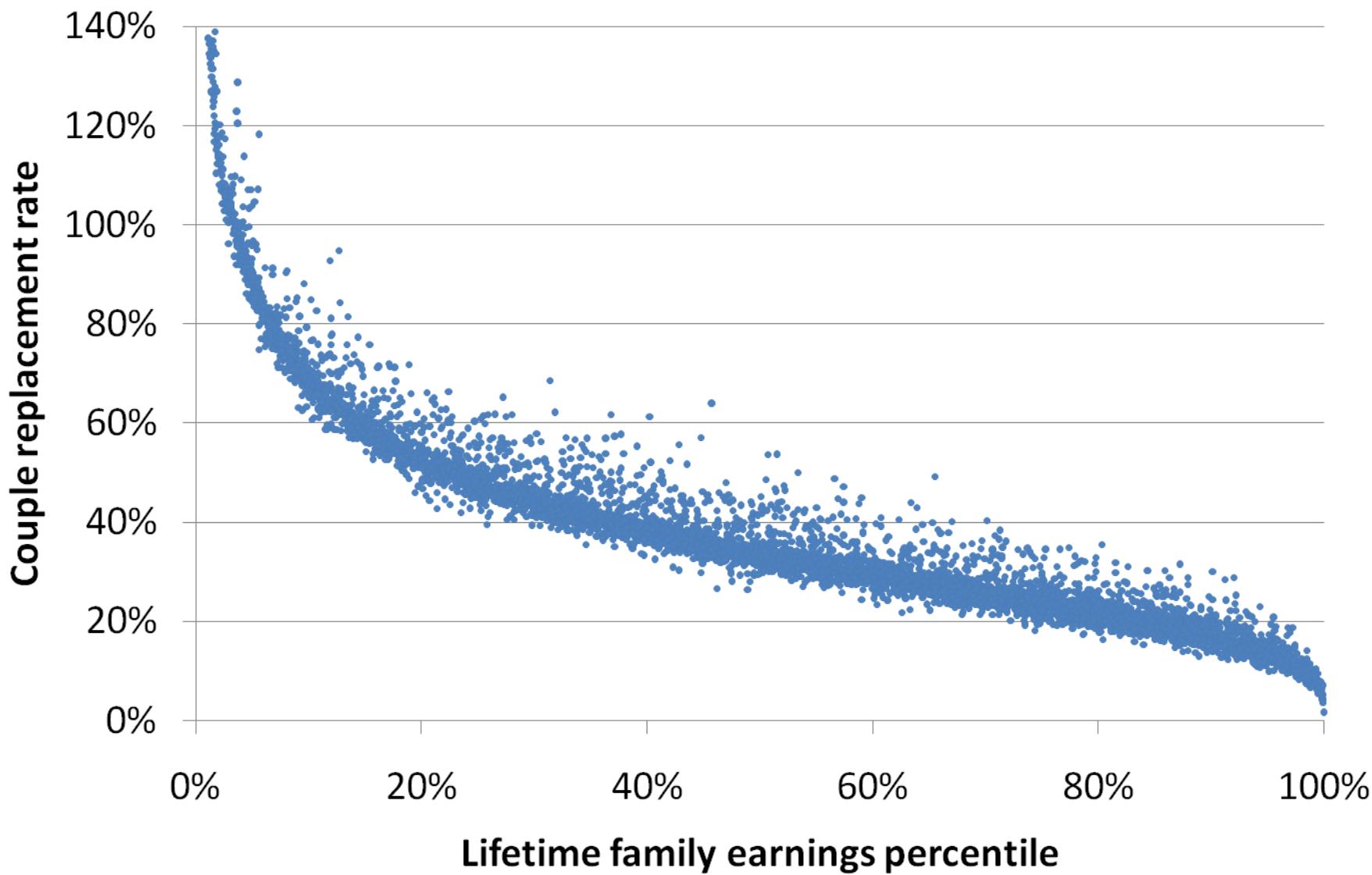
Average and certainty-equivalent replacement rates, by lifetime earnings decile



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