

Developing Indicators of Shared Prosperity and Poverty Consistent with National Accounts

Richard Tonkin et al.

- Based on work of OECD-Eurostat Expert Group on Disparities within a SNA framework (most recent report: 2017)
- Justification for SNA approach
 - ▶ Aids international comparability
 - ▶ Possibility of distributional indicators consistent with economy-wide totals for coherence for users of statistics
 - ▶ Regularly of national accounts
 - ▶ Timeliness compared to household survey estimates
- This study, methods applied to the UK
 - ▶ Microdata: Living Costs and Food Survey with about 5,500 household/year

Overview of This Study

■ Methods

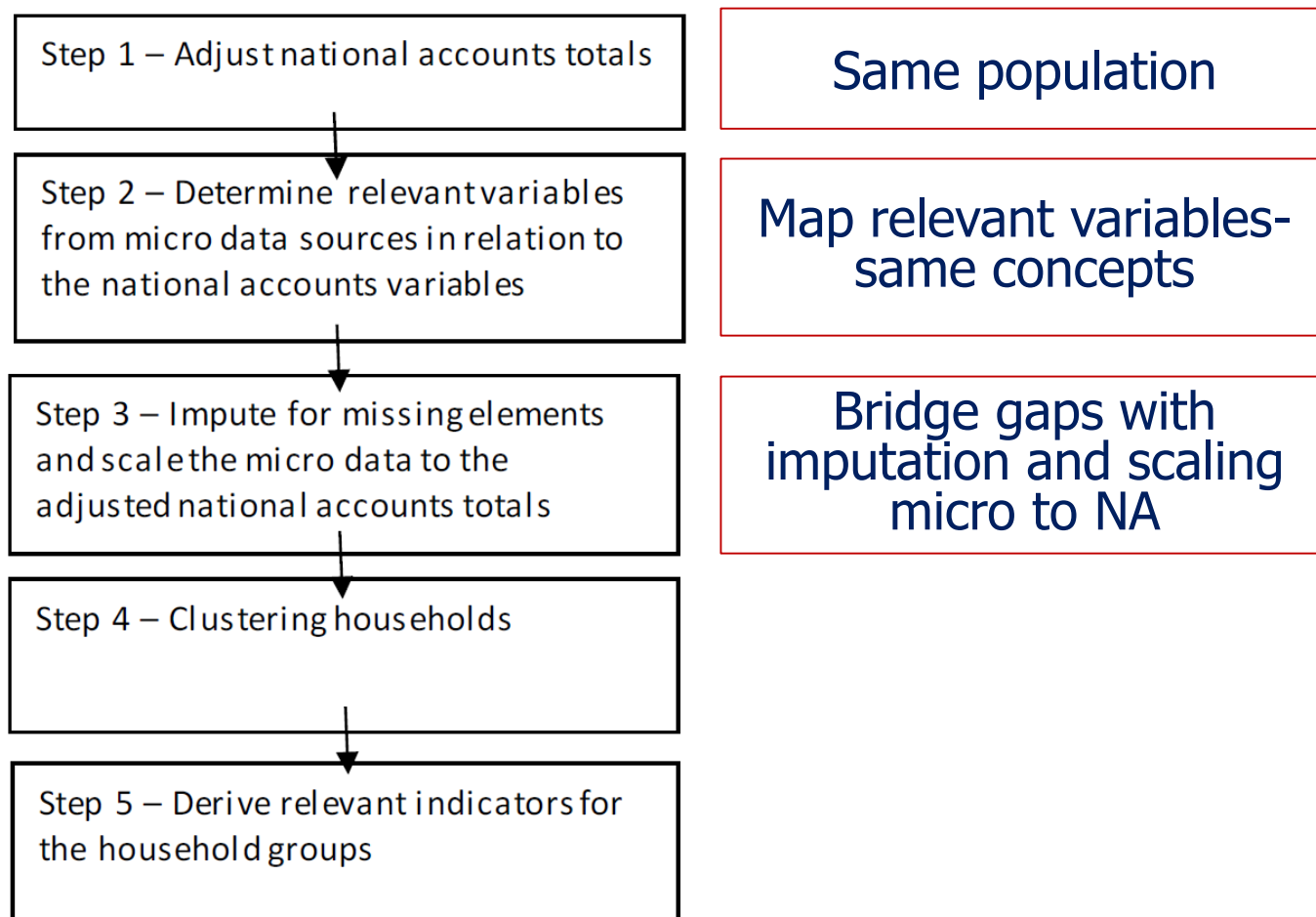
- ▶ Microdata coverage
- ▶ Imputation and scaling
- ▶ Adjusted microdata
 - Corrected for social security benefit under-reporting (and reasons)
 - Corrected for top income under-reporting (and reasons)
 - Not resident in UK adjustment
 - *Impact of adjustments*
- ▶ Addressed micro and macro conceptual differences - purpose

■ Produced NA based measures of shared prosperity (inequality and growth)

■ Development of timely indicators

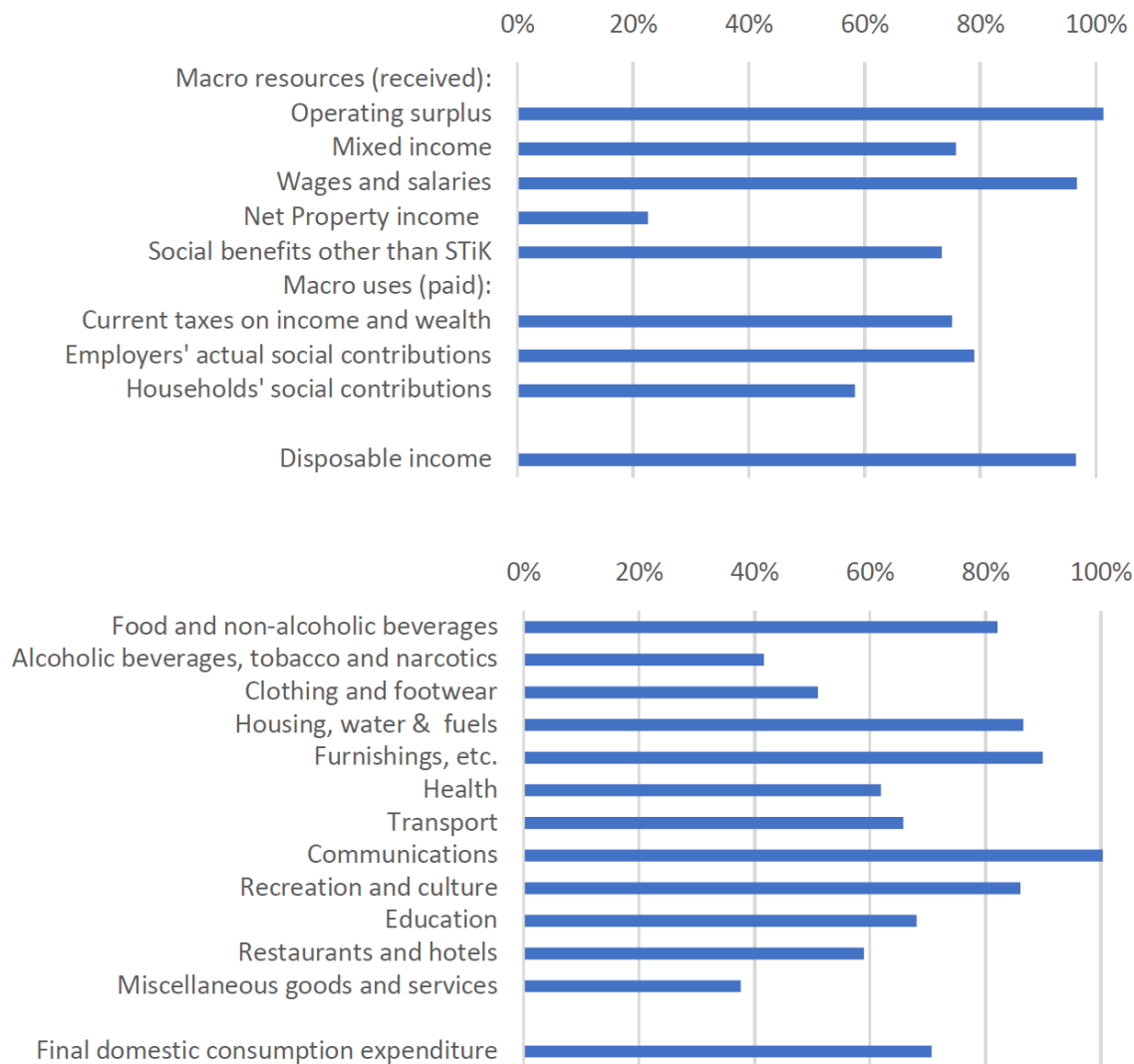
■ Conclusions and next steps

Figure 1. A step-by-step approach for the estimation of distributional information



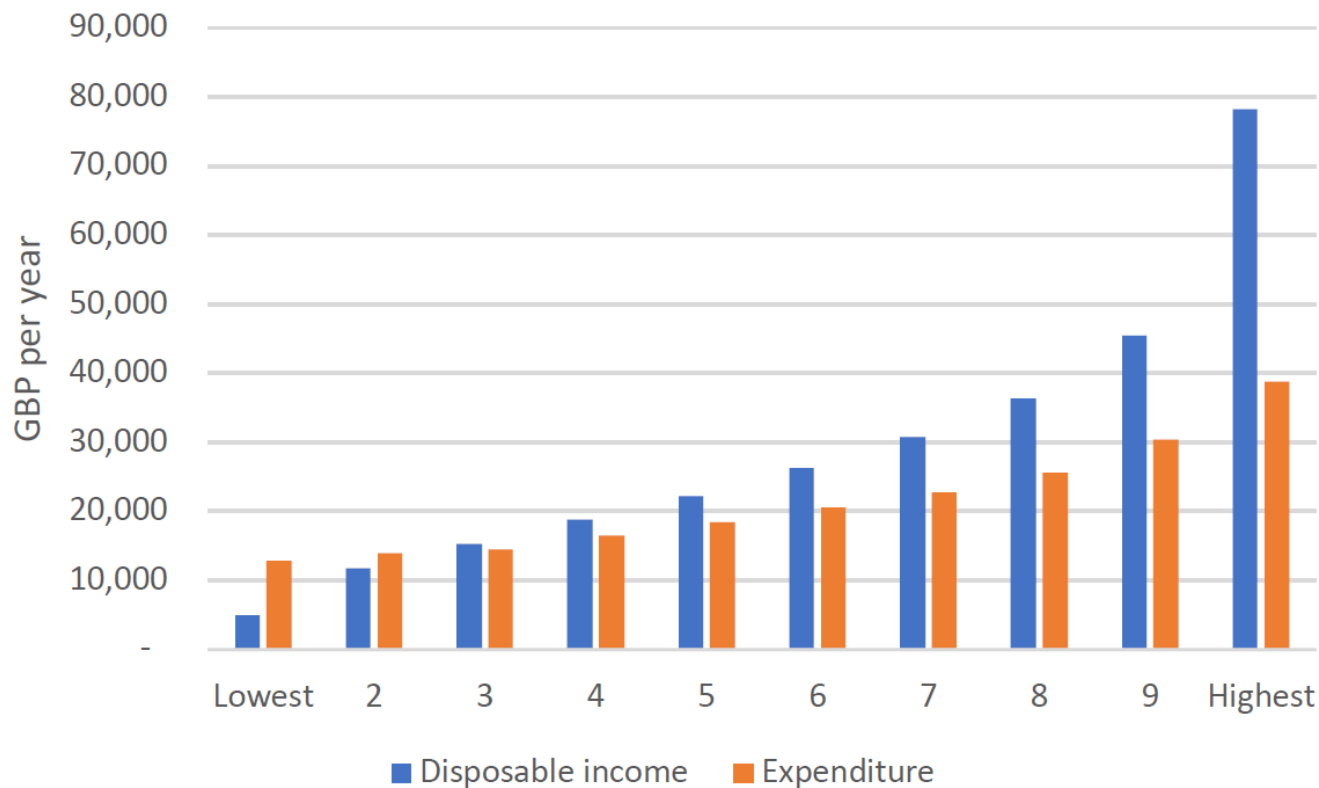
Source: Zwijnenburg et al., OECD 2017

Figure 1: Coverage of survey-based estimates of National Accounts aggregates, UK, 2017



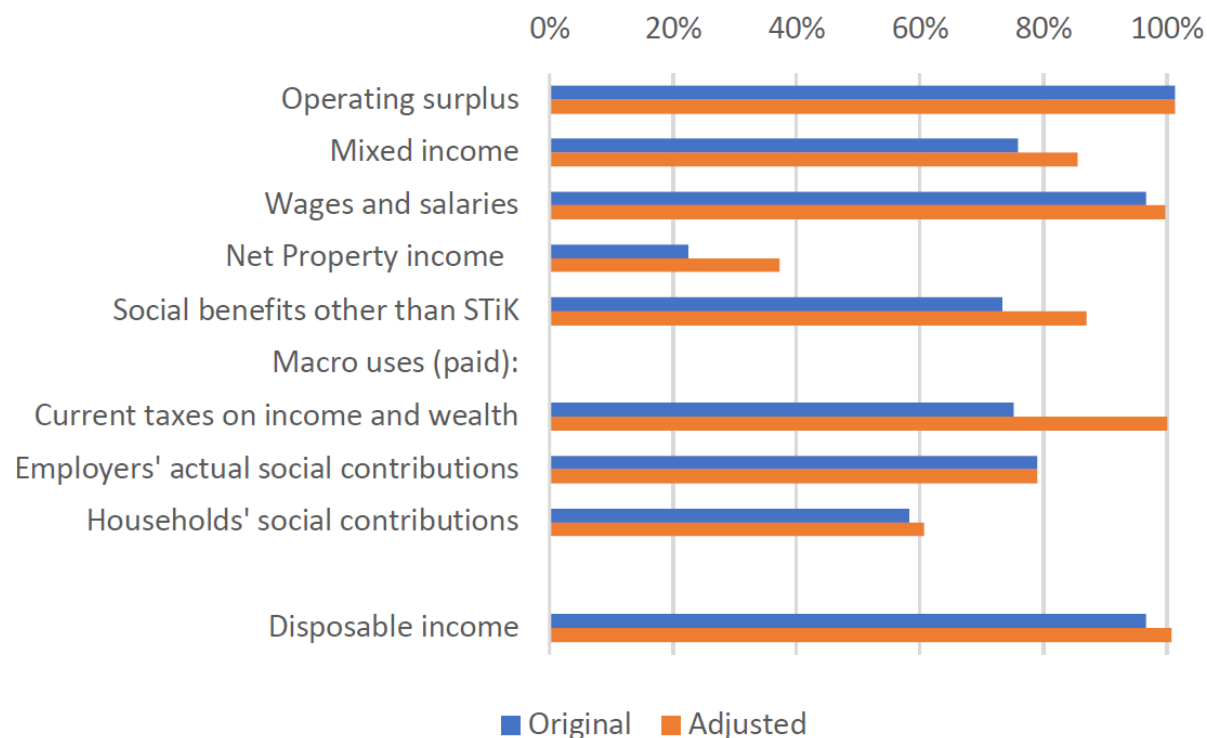
Source: Office for National Statistics- Living Costs & Food Survey & National Accounts Blue Book, 2018

Figure 2: Mean disposable income and expenditure by equivalised disposable income decile, UK, 2016/17



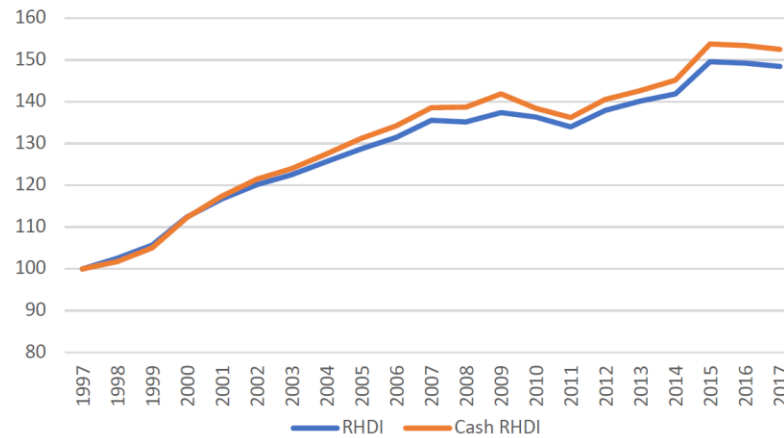
Source: Office for National Statistics- Living Costs & Food Survey

Figure 7: Coverage of survey-based estimates of National Accounts aggregates, 2017, UK



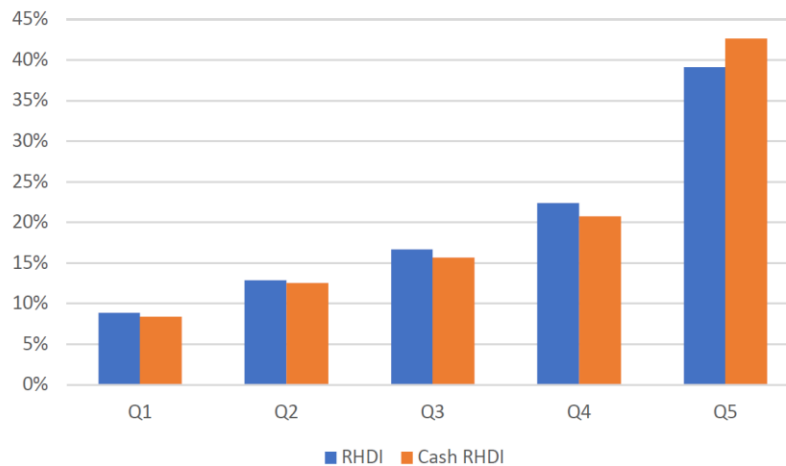
Source: Office for National Statistics- Living Costs & Food Survey & National Accounts Blue Book, 2018

Figure 8: Growth in Real Household Disposable Income (RHDl) & cash-basis RHDl, 1997-2017, UK (index 1997=100)



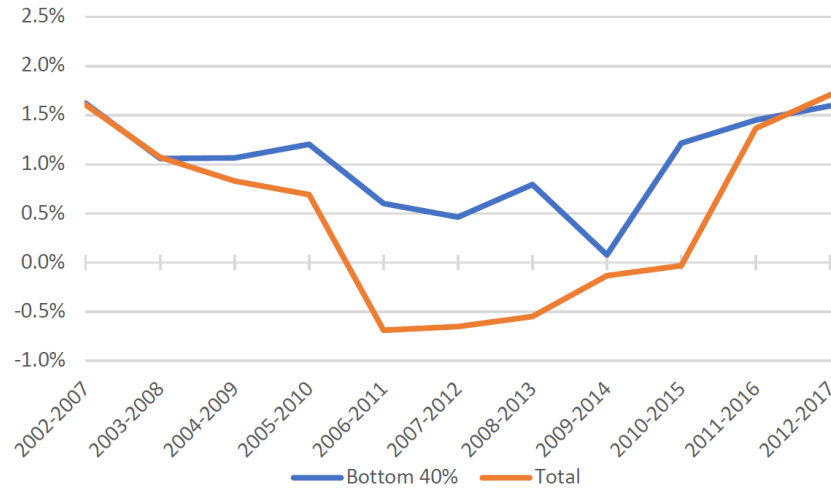
Source: Office for National Statistics- National Accounts Blue Book, 2018

Figure 9: Share of RHDl & cash-basis RHDl by equivalised disposable income quintile, 2017, UK



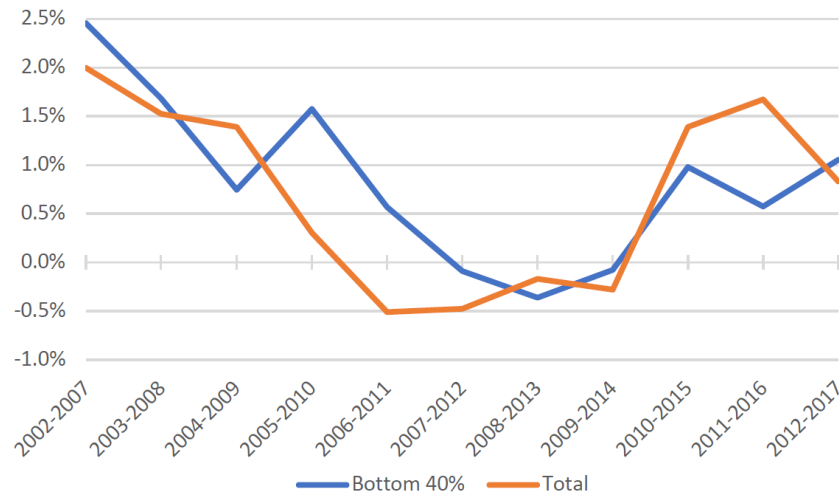
Source: Office for National Statistics- Living Costs & Food Survey; National Accounts Blue Book, 2018

Figure 10: Average annual growth rates of disposable income per capita among the bottom 40% of the population and total population – survey-based measures, 2002-07 to 2012-17, UK



Source: Office for National Statistics- Living Costs & Food Survey

Figure 11: Average annual growth rates of disposable income per capita among the bottom 40% of the population and total population – national accounts-based measures, 2002-07 to 2012-17, UK



Comments/Questions

- How timely are the Living Costs and Food Survey data?
- Details on adjustments (e.g., Corlett et al. 2018, Shine et al 2019, Aitken and Weale 2018)
 - ▶ Example provided: allocate benefits based on eligibility
- Liked very much the “addressing conceptual differences” section
 - ▶ Most relevant for distributional analyses
- Focus in this study: distributions of income by quintiles
- Development of timely indicators: flash estimates or “nowcasts”
 - ▶ Based on microsimulation
 - ▶ How well do these match household survey data once available?

Comments/Suggestions

- Using NA in this way, complement not substitute for household micro data analysis
- Advantages of NA framework
 - ▶ Coherence
 - ▶ Comparability
 - ▶ Frequency
- Challenges
 - ▶ Reconciliation of micro and macro
 - ▶ Updated information about distribution of the population
- *What I would like to see*
 - ▶ *Analysis of poverty (in the title but little to nothing about this in the paper)*
 - ▶ *Production of distributional accounts using Consumption Expenditures*
 - ▶ *Updated comparisons to other countries (income and consumption)*

Some other references

- Passero, Willam, Thesia I. Garner, and Clinton McCully. “Understanding the Relationship: CE Survey and PCE,” *Improving Measurement of Consumer Expenditures* (eds. [Christopher Carroll](#), [Thomas Crossley](#), and [John Sabelhaus](#)), University of Chicago Press, National Bureau of Economic Research in [NBER Book Series Studies in Income and Wealth](#), May 2015, pp. 181 – 203.
- Garner, Thesia and Kathleen S. Short, “Accounting for Owner-occupied Dwelling Services: Aggregates and Distributions,” [Journal of Housing Economics](#), [Volume 18, Issue 3](#), September 2009, pp. 233-248.

