



## POLICYMOD

INTRODUCING ANU'S TAX & TRANSFER SYSTEM  
DISTRIBUTIONAL MODELLING CAPABILITY

### Key Contact

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### What is PolicyMod?

- PolicyMod is a static microsimulation model of the Australian Tax and Transfer system.
- The model is capable of both distributional and cameo (hypothetical family) analysis.
- The model can produce household and individual impacts of existing and alternative policies over the forward estimates.

## Policy analysis at ANU

The ANU Centre for Social Research and Methods provides significant Australian capacity in undertaking research into applied social research and evaluation methods. The Centre meets a need for national leadership in research methods, and assists in raising the level of credible evidence-based research to inform and evaluate policy, programs and initiatives.

The CSRM modelling team, led by Assoc. Prof. Ben Phillips, focuses on policy modelling and analysis and has built PolicyMod. PolicyMod will contribute significantly to the public debate in the field of public policy, budget analysis and decision making.

## PolicyMod: Microsimulation model

PolicyMod can model household and individual impacts of existing and alternative policies for previous years, current year and over the forward estimates. The model is also capable of projecting the impacts out to 2055.

Modelling capabilities include:

- Distributional analysis
- Hypothetical (cameo) analysis
- Effective Marginal Tax Rates
- Regional modelling

The distributional model considers the entire Australian population and is capable of estimating the policy impacts for a vast array of variables such as: family type, income deciles, housing tenure and social security payment type. The cameo model provides policy impacts for selected family types across a range of private incomes.

The model is primarily based on the ABS Survey of Income and Housing and uses a range of other data from ABS and other Government departments to improve the accuracy and timeliness of the model.

The model governance includes an advisory panel with representatives from both academia and Government.

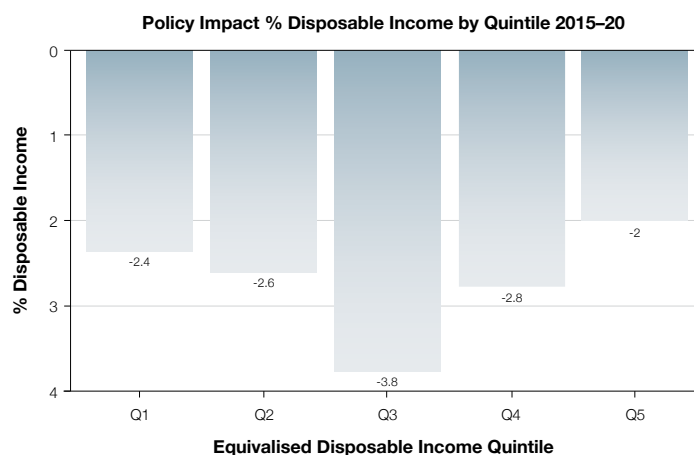
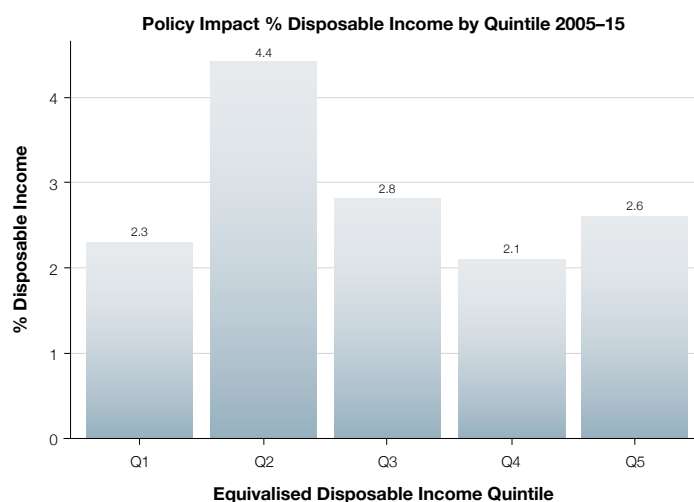
## Key client base

- Academia
- Government departments
- Not-for-profits
- Policy analysis institutions
- Private sector consultancies

## Case studies / Example of modelling outputs

PolicyMod has been used for many analyses including:

- Personal income tax rates
- Childcare
- Welfare payments
- Indirect taxes
- Family Payments
- Income inequality and poverty analysis



## Further information about CSRM

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