

Trends, Data and Definitions

The Household Reference Person

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Battles over numbers

- The adjustment to the 2011 based projections increase the number of homes from **10,200** to between 10,900 and **12,400** (depending on the approach to HRRs and discounting the part return for 25-34 year olds only).
- A similar adjustment to the 2012 based projections is likely to increase the number of homes from **11,200** to circa 12,000 to **13,500** homes.

Pegasus Planning Group submission to Stroud Local Plan examination

The Household Reference Person

- **The Household Reference Person (HRP)** is the individual taken to represent the household for statistical purposes.
- **Only one HRP per household**
 - projecting the number of HRPs gives future number of households.
- **Household Representative Rate** – the probability of a person from a specific demographic group (based on geography, age group, sex and marital status) being a household reference person.
- Key concept for household projections

Who is the Household Reference Person?

- No problem in a one-person household
- What about multi-person household?



Criteria for selecting the HRP

CLG projections

- type 1 - **Oldest male** (based on special Census tables) – for consistency with pre 2001 data
- type 2 - **Current Census definition** adjusted to match type 1
- post Census estimates –LFS
- Not quite there for 2012 projections!
- **2001 and 2011 Censuses**
 - Economic activity, age.
- **LFS (post 2001) –**
 - owns the accommodation; or responsible for rent;
 - or occupies through employment, or relationship to owner.
 - if joint householders: the one with highest income; if incomes equal, then the eldest one

HRPs in CLG 2012 – a muddy picture

- For Stage One household representative rates for 2011 have been derived at England level using
- aggregate household representative rates by marital status from the 2011 Census,
- household population by age, sex and marital status from the Census 2011,
- household representative rates by age profile from the LFS and previous household projections...

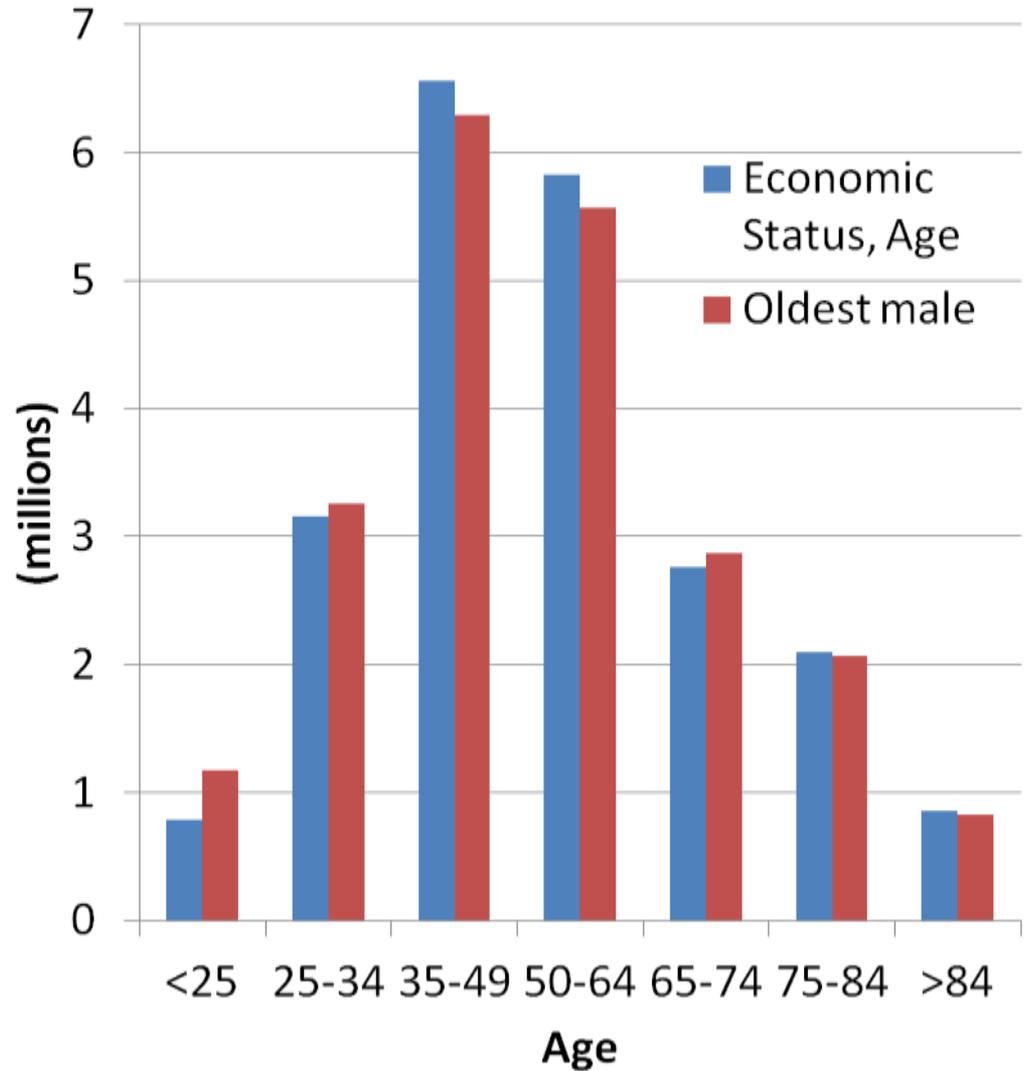
HRPs alternative definitions

- How do different definitions affect household statistics in 2001 & 2011 Censuses
 - The Oldest Male (CLG type 1)
 - Current Census definition
 - *lone parent household*: the lone parent
 - *couple & other households*: economic activity (in priority; full-time job, part-time job, unemployed, retired, other). If same economic activity, the oldest member or, if all same age, the first member on Census form.

Household Reference Persons in 2011

- More aged under 34 years if oldest male used
- More aged 35-64 if economic activity used

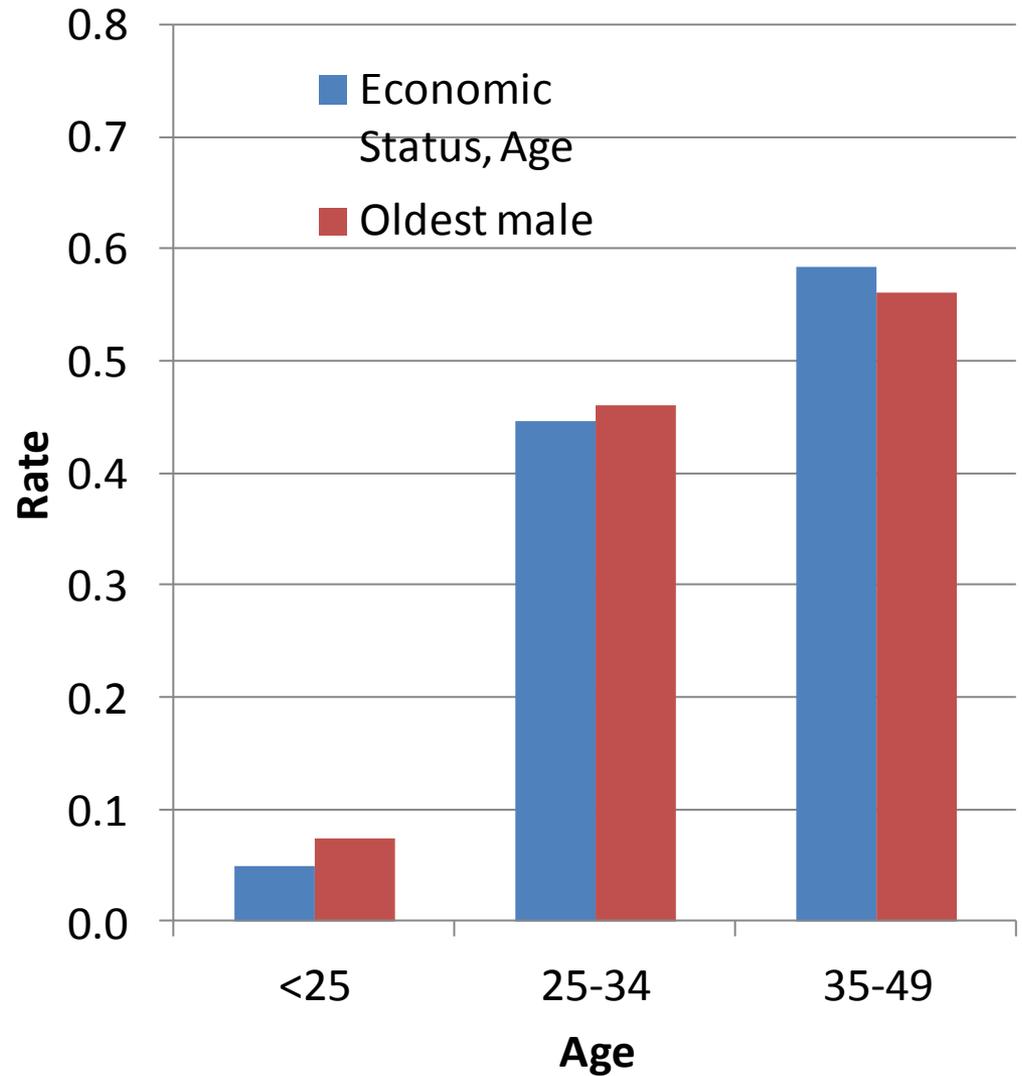
HPRs 2011 Census: England



Representative rates 2011: Younger People

- under 35 rates higher if oldest male used
- 35-49 rates higher if economic activity used

HRRs 2011 Census

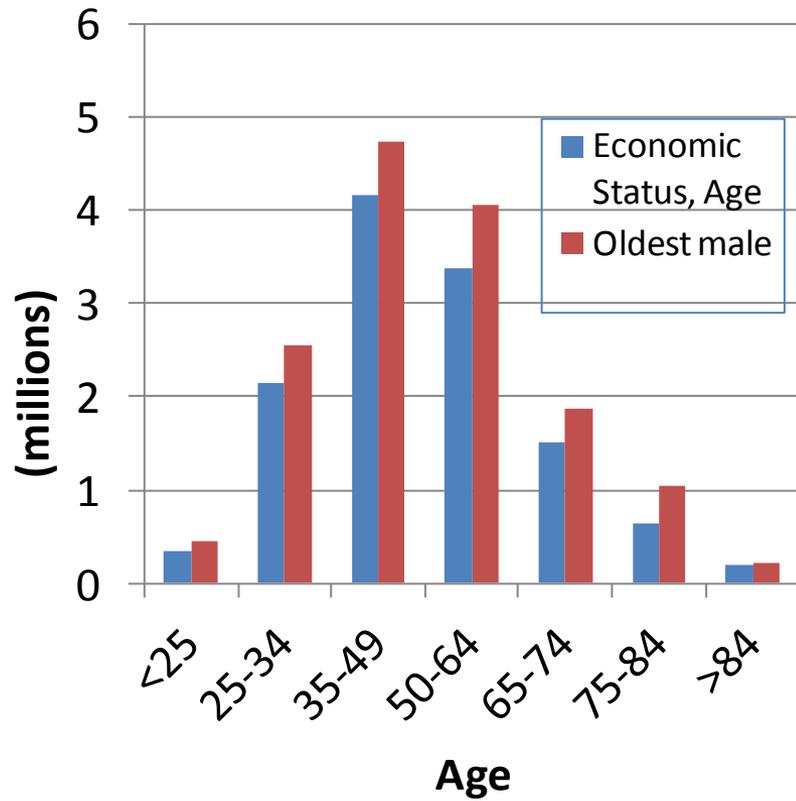


Gender effects of HRP definitions

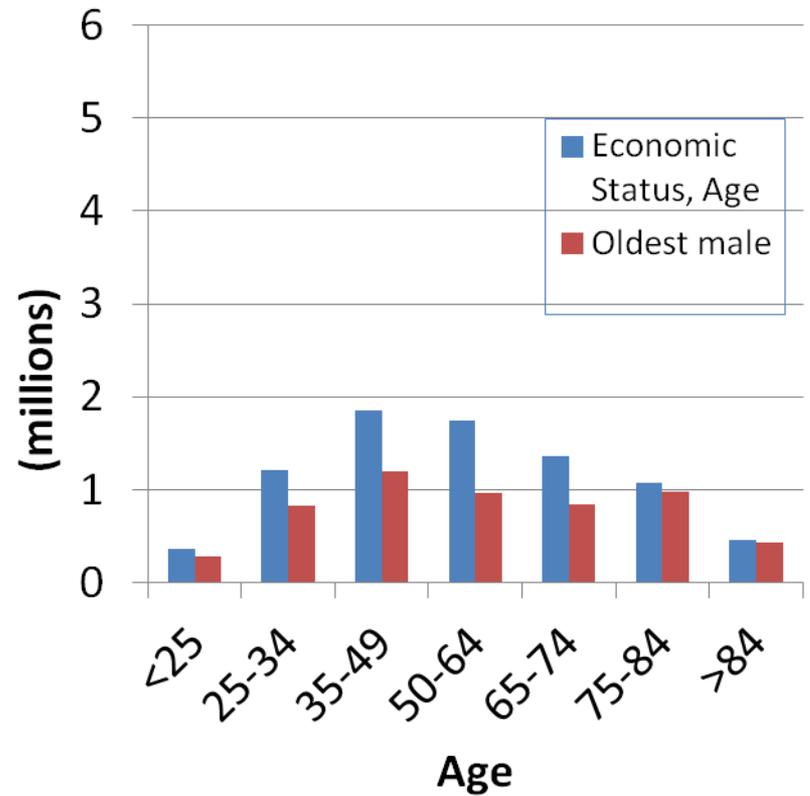
- In 2011
 - economic activity definition gives
 - 13 million male and 9 million female HRPs
 - oldest male definition gives
 - 17 million male and 5 million female HRPs
- 2001-2011. Female HRPs
 - grew by 0.75 million under economic definition
 - but fell under 'oldest male' rule.

Gender of HRP 2001

Male HRPs

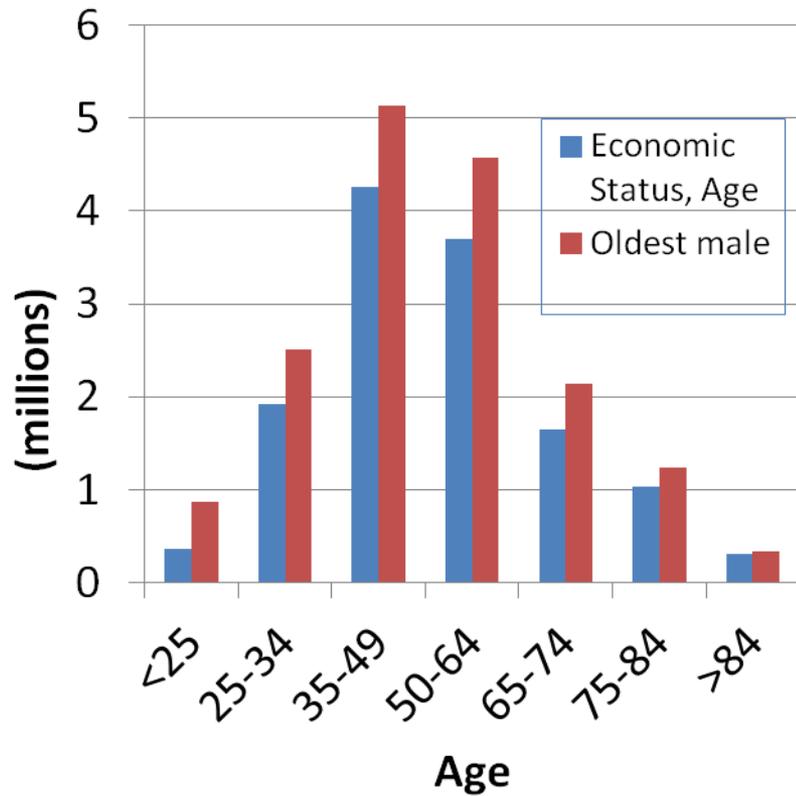


Female HRPs

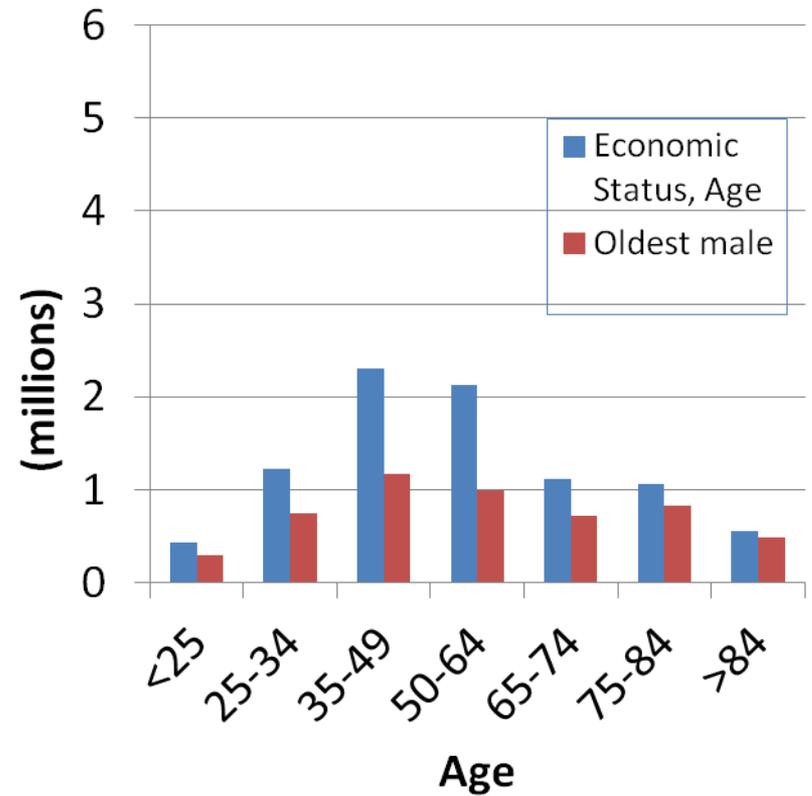


Gender of HRP 2011

Males HRP



Female HRP

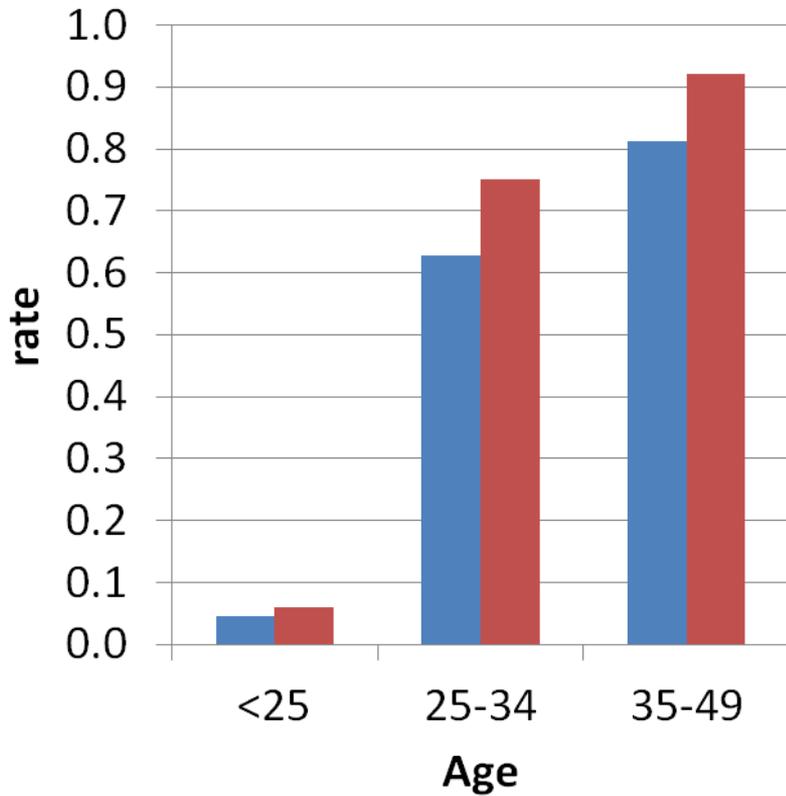


Household Representative Rates (HRR): younger people

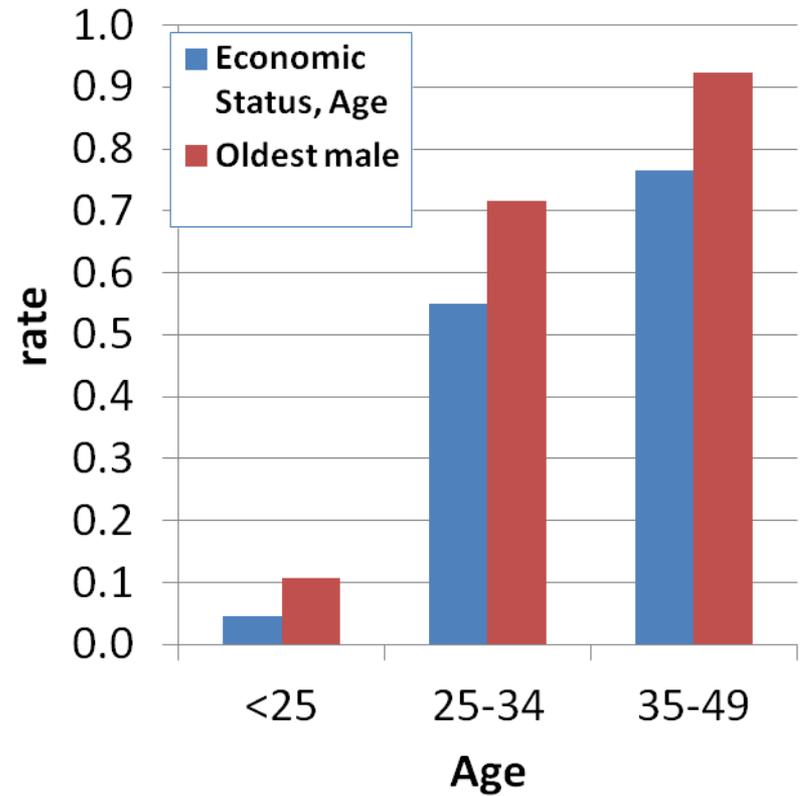
- Female rates higher if economic activity criteria applied; male rates lower
- 2001-2011 changes
 - fall in male rates 25-49 under economic definition
 - increase in male under 25 rates under “oldest male” rule
 - increase in female 35-49 rates under economic definition

Male HRRs

2001

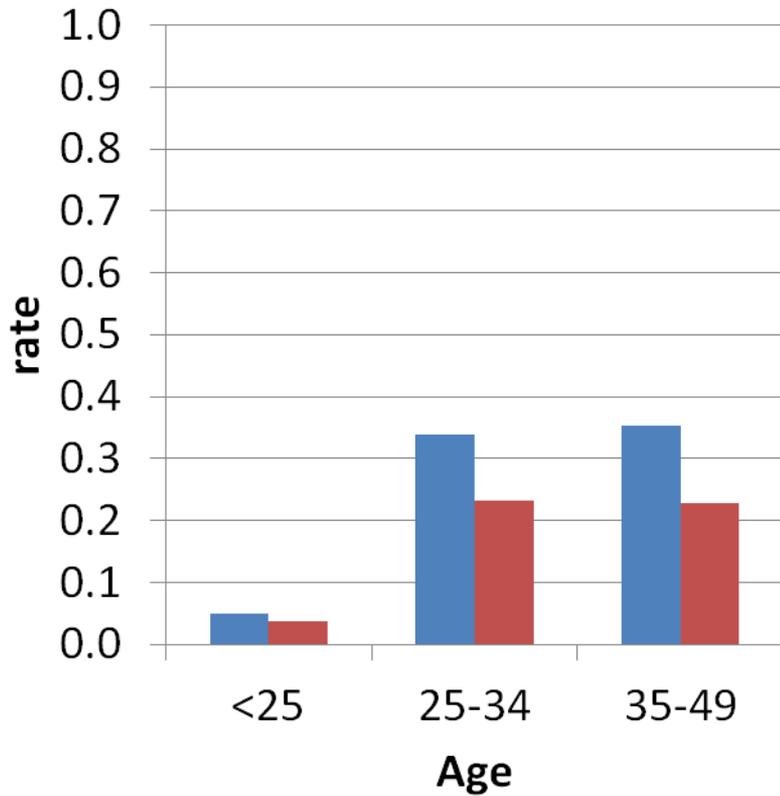


2011

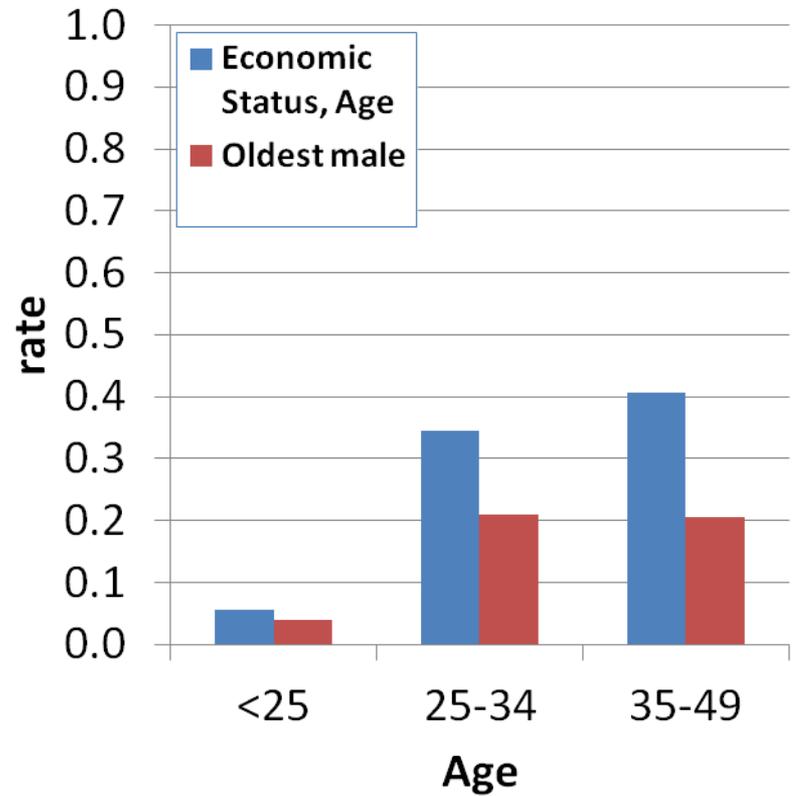


Female HRRS

2001



2011



Do differences matter?

- Interaction between age /gender rates and future population
- Compatibility of Types 1 and 2 households
- Changing roles of gender and economic status in household formation?
- Debate about household formation among younger people

Which definition?

- Oldest male
 - Archaic & Sexist (but some BAME communities?)
 - Need special Census tables for latest data
 - + Long data series (how relevant is older data?)
 - + Simple, not affected by definition change
- Economic activity
 - ? More relevant today
 - + Relates to wider economic influences on housing?
 - Only 2001 & 2011
 - Definitional changes in EA statistics
 - 2001 Census did not record for aged 75+
 - 2011 Census recorded for aged 75+ (150,000 economically active)

Conclusions

- Impact of different definitions of the HRP
- Need to understand reasons
- Debate over younger households.
- Promote understanding of metadata
- Urgent need for CLG to complete 2011 HRP analysis and issue revised projections
- “Male first” rule archaic or justified by simplicity & use of pre-2001 trend data?