

# Welcome and time use data orientation

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NTA/CWW Time Use and Gender Workshop  
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# Thank you for your participation!

This workshop is part of the Counting Women's Work (CWW) project, a research project that is part of the National Transfer Accounts (NTA) research network.

CWW is made possible through the support of the William and Flora Hewlett Foundation and the International Development Research Centre.

# Outline

- Introductions, welcome, review the schedule
- Background and long term goals
- Workshop objectives
- NTA and National Time Transfer Accounts (NTTA)
  - Overview of estimation strategies
- Data needs
- (After break) Time use and wage data discussion

# Background

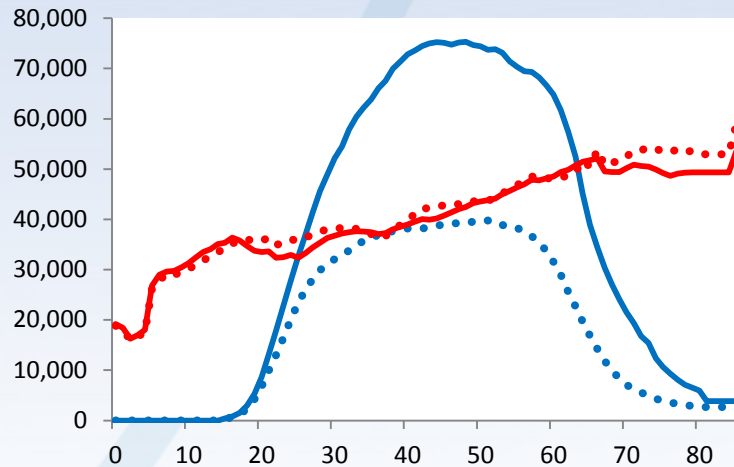
- NTA, gender and time transfers
- Time use and gender projects within NTA
  - Counting Women's Work
  - Agenta (European NTA group)
  - Independent NTA country team efforts
- Long term goals
  - Enhance NTA core strength of understanding relationship between population and the economy
  - Add to that an understanding of gender, time transfers, and the care economy

# Background (cont.)

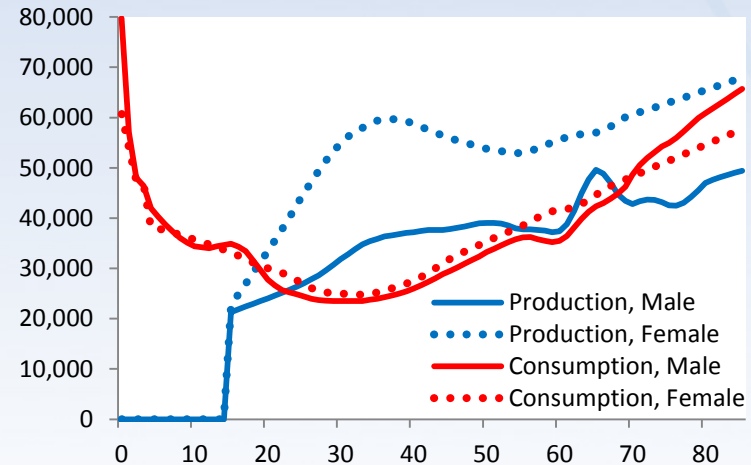
- Gender perspectives in economics and the idea of estimating the value of household production is not new
- What do we bring to this effort?
  1. Lifecycle and age focus, lifecycle nature of care
  2. Cross-country comparison
  3. Not just production, but consumption and transfers as well

# Example: US, 2009

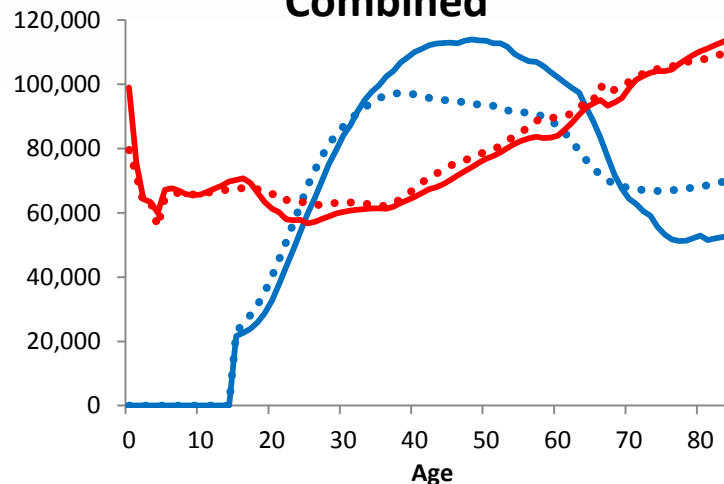
## Market C & YL



## Household Time C & YL

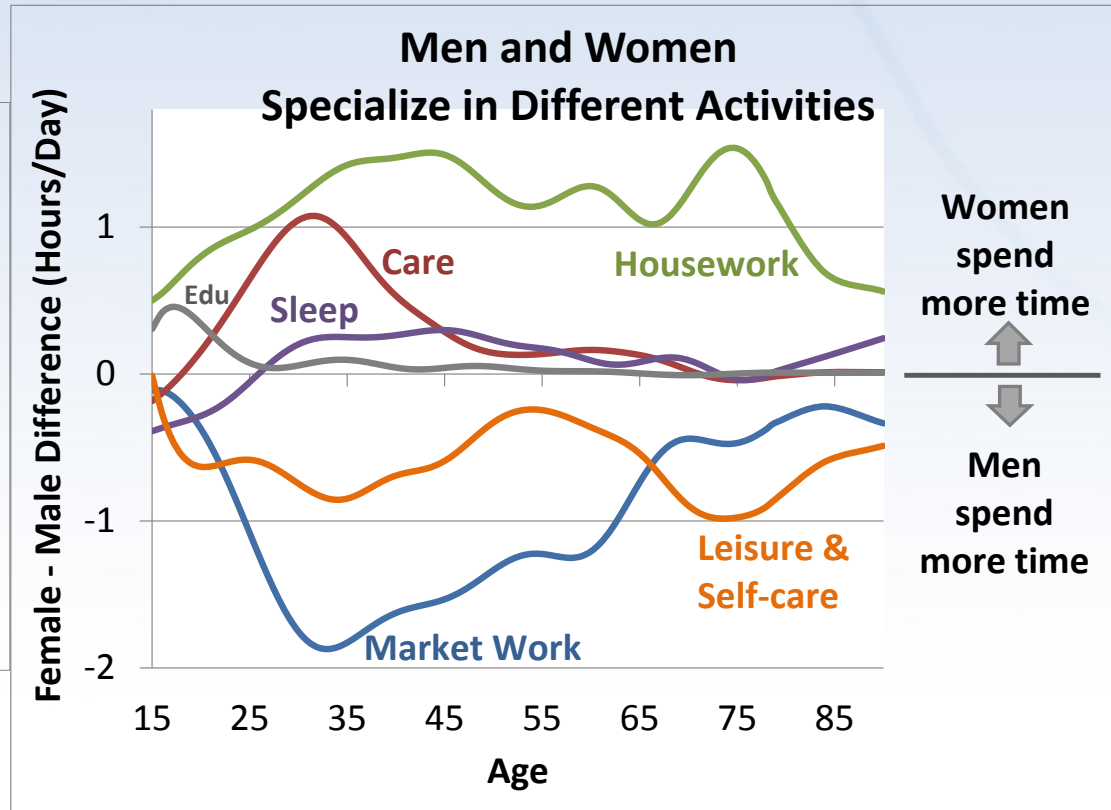
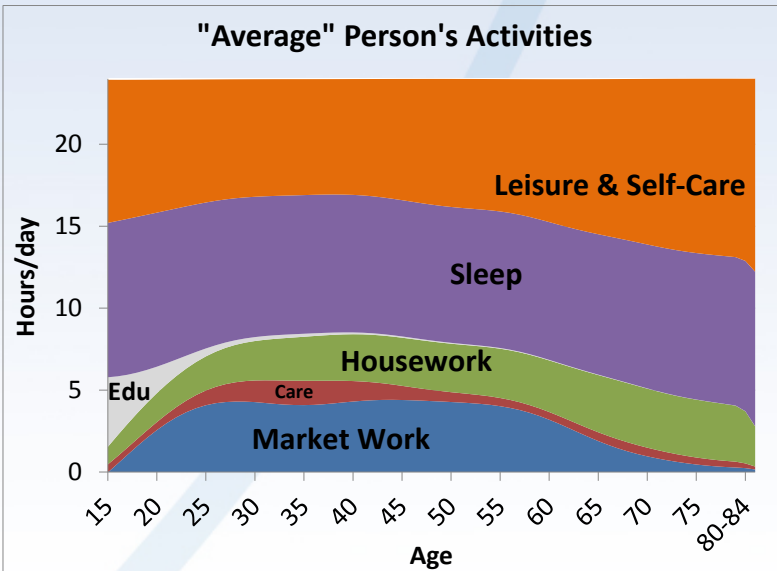


## Market and Household Combined



Note that these estimates include the impact of “multitasking,” which is no longer included in the NTA methodology, for reasons of international comparison.

# Time Example: US, 2009



# Workshop Objectives

- Calculate
  - Estimate NTA labor income and consumption by sex
  - Begin calculating NTTA age profiles of production and consumption of time by sex
  - Discuss strategy for computing other NTA and NTTA age profiles
    - Transfers, asset-based reallocations
- Communicate
  - Sharpen discussion of policy relevance in your country context
  - Develop your strategy for engaging policy makers and others throughout the research process



# NTA & NTTA

- National Transfer Accounts (NTA)
  - Linked to national accounts at the macro level
  - Measures market goods and services and non-market goods
- National Time Transfer Accounts (NTTA)
  - Measures economically productive activities not measured in national accounts (non-market services)
  - Terminology not well defined
    - Household production (but can be done outside of household)
    - Unpaid work (but some unpaid work is already in national accounts)
    - Time use (but time is also spent in market activities)

# NTA Estimation Strategy

1. Estimate single-sex NTA
2. Estimate separate M/F age profiles
  - Follow basic NTA methodology again, with additional category
  - For regression-based imputation, add sex to independent variables in regression equations
3. Adjust M/F profiles to macro controls by making them consistent with single-sex NTA
4. Sensitivity tests based on different methodology
  - Change EAC weight allocations to regression
  - Adjust assumption about headship

# NTTA Estimation Strategy

1. Get time use data, learn how to use it
2. Identify time spent on household production activities by age and sex
3. Impute consumption of time to individuals in the household, based on assumptions and hh composition
4. Smooth and adjust to make sure time production = time consumption
5. Identify appropriate market wages if you were to replace household production with market production, apply to time profiles

# Data for NTA by Sex

1. National account data (for computing macro controls)
  - Only computed for total population (no controls by sex)
2. Household survey
  - Nationally representative
  - Includes income and consumption (although some countries use different surveys for different profiles)
  - Has household roster by age and sex (and other categories of interest)
3. Administrative or other supplementary age shape data (for flows not measured in surveys)
4. Population Data
  - By age and sex

# Data for NTTA by Sex

1. NO MACRO CONTROLS
  - No international standard for household production accounts (i.e. nothing similar to SNA)
  - Has been in development for a long time
2. Time use data
  - Nationally representative
  - Complete household roster by age and sex
  - Same time period as NTA estimates, if possible
  - Sample represents a calendar year
3. Wage data
  - Results of national survey of wages by occupation
  - If not available, can use NTA household survey if sufficiently detailed occupation data is included and survey is large enough
4. Population data (same as for NTA)

# Data discussion

- What type of time use data do you have?
  - 24 hour time diary or activity-based questions?
  - Sample size, who was interviewed in each household
  - Representative?
    - National population or a sub-region?
    - Of the “average” person?
    - Of the “average” day?
  - Has full household roster (by age and sex)?
    - Age data by single years or age groups?
  - What type of child- and elder-care questions are included?
- Have you started working with it?
  - Diagnostics (day adds up to 24 hours? Childcare done in households with young children? etc.)
  - What problems do you anticipate working with the data?