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# **Gender differential in time spent in non-market household production in India: A benchmark study**

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# Introduction

- **Micro and macro economy production process which effects welfare of society includes not only market production but also household non-market production**
- **In all societies it is the women who contributes most to household non-market production**
- **However household non-market production goes unreported in the System of National Accounts (SNA)**
- **As a results women's contribution to the welfare of society is not included in the calculation of GDP**

# Objectives

- **In this study an attempt is made to analyze time spent in non-market household production and assess gender differential in time spent**
- **Compare time spent in non-market household production by age and residence background**

# Data & Methods

- **NSSO conducted the only time use survey for India in 1998-99**
- **For members of households aged 6 years and above the survey collected information on time spent in doing different activities in minutes**
- **The survey covered six states of the country**
- **Descriptive statistics, diagrammatic presentation**



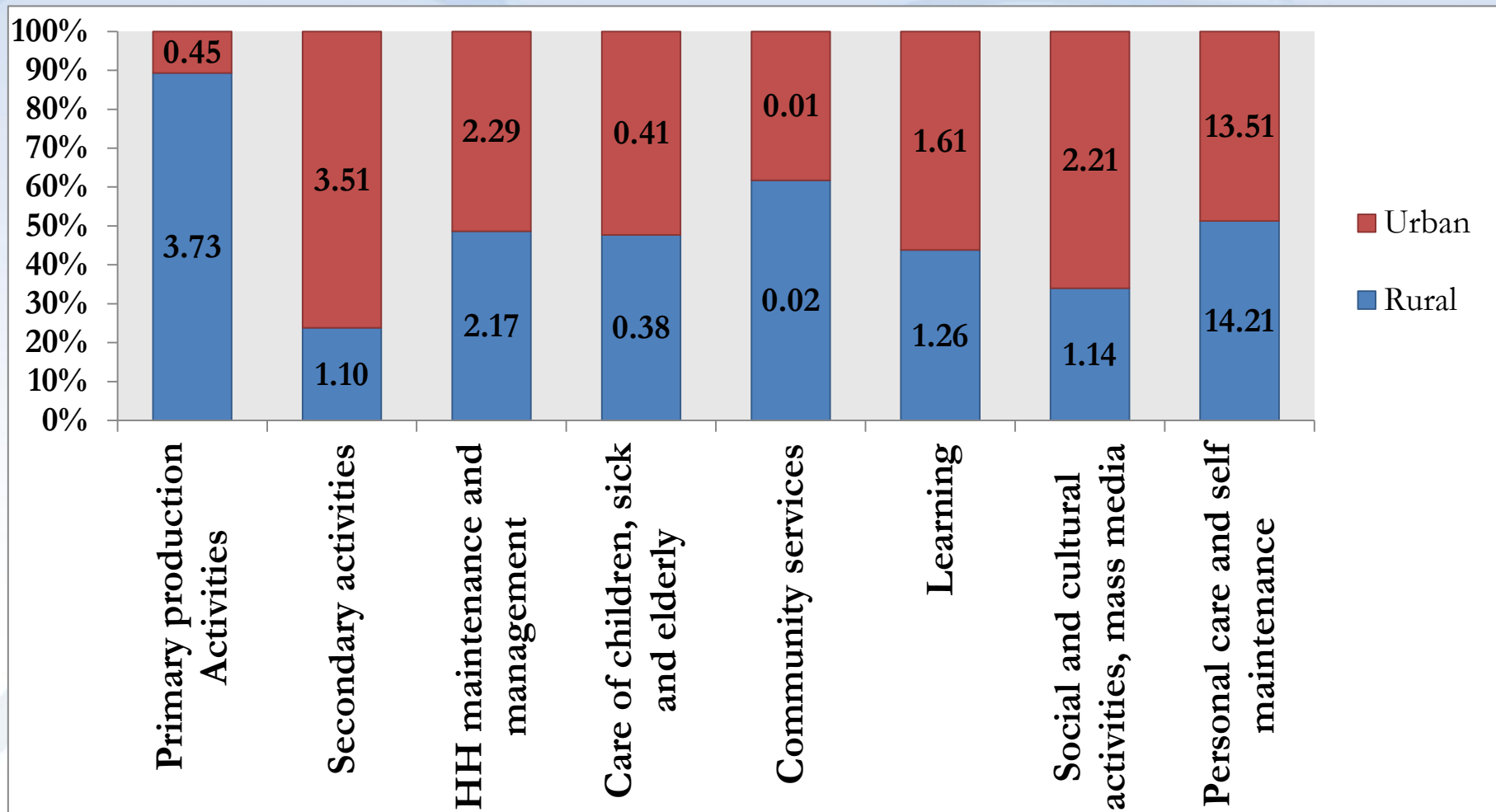
# Time spent by activities in India (in hour per day)

Statistics	Primary production	Secondary activities	HH maintenance & management	Care of children, sick & elderly	Community services	Learning	Social & cultural activities	Personal care & self-maintenance
Number of observations	63172	63172	63172	63172	63172	63172	63172	63172
Percentage(number) not participating (exact zeros)	50.9 (32141)	75.1 (47442)	47.1 (29759)	77.2 (48795)	99.0 (62539)	82.0 (51658)	44.2 (27924)	0.0 (3.1)
Mean in hours	2.8	1.8	2.2	0.4	0.02	1.4	1.4	14.0
25th percentile in hours	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.2
Median in hours	0.0	0.0	0.4	0.0	0.0	0.0	0.7	13.5
75th percentile in hours	6.0	0.0	4.2	0.0	0.0	0.0	2.2	15.3
Variance in hours-squared	14.1	13.2	9.0	0.9	0.1	9.7	3.9	7.9

## Average time use in hours per day by activity ,sex and residence India (1998-99)

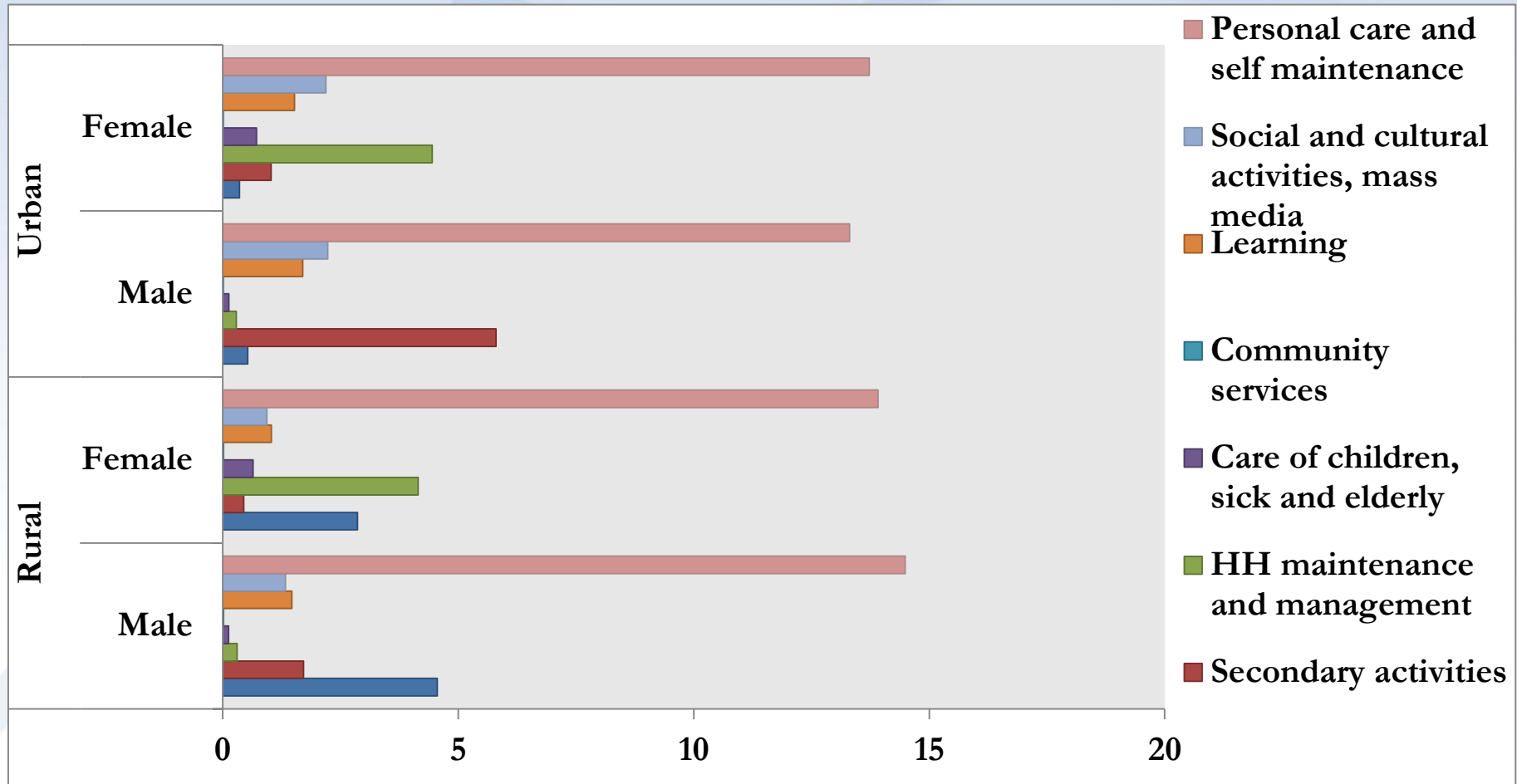
Activity	Rural			Urban		
	Male	Female	Average	Male	Female	Average
Primary production Activities	4.56	2.86	3.73	0.53	0.36	0.45
Secondary activities	1.72	0.44	1.10	5.80	1.03	3.51
HH maintenance and management	0.30	4.15	2.17	0.29	4.45	2.29
Care of children, sick and elderly	0.13	0.64	0.38	0.13	0.72	0.41
Community services	0.02	0.02	0.02	0.01	0.01	0.01
Learning	1.47	1.03	1.26	1.70	1.52	1.61
Social and cultural activities, mass media	1.33	0.94	1.14	2.23	2.19	2.21
Personal care and self maintenance	14.49	13.92	14.21	13.31	13.73	13.51

# Average Time Use In Hours Per Day by Activities



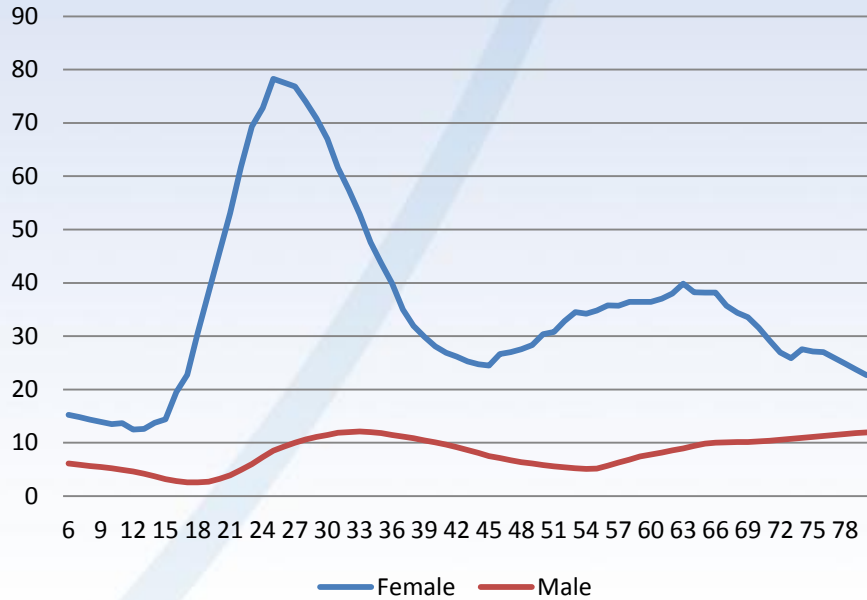


# Average time use in hours per day on different activities by sex & residence

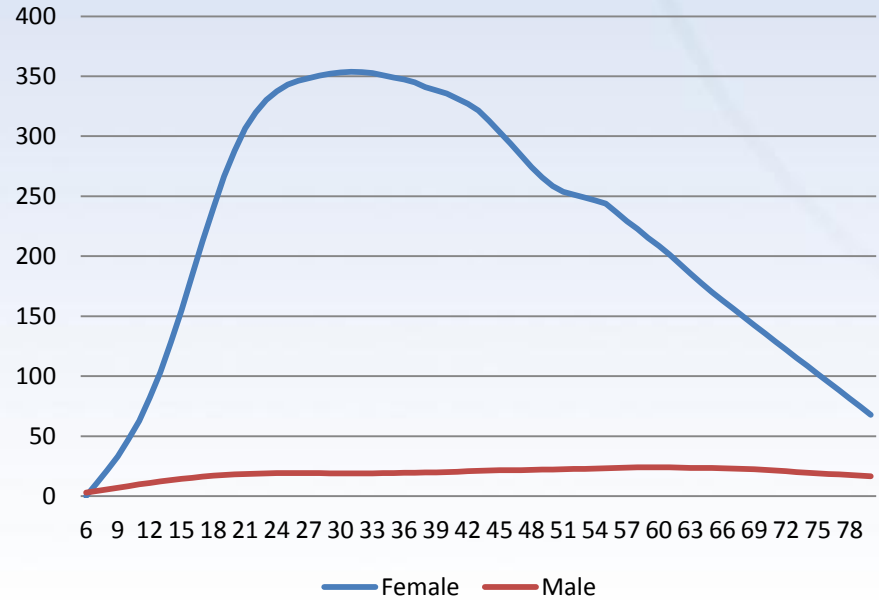


# Gender Differential in Time Spent by Age

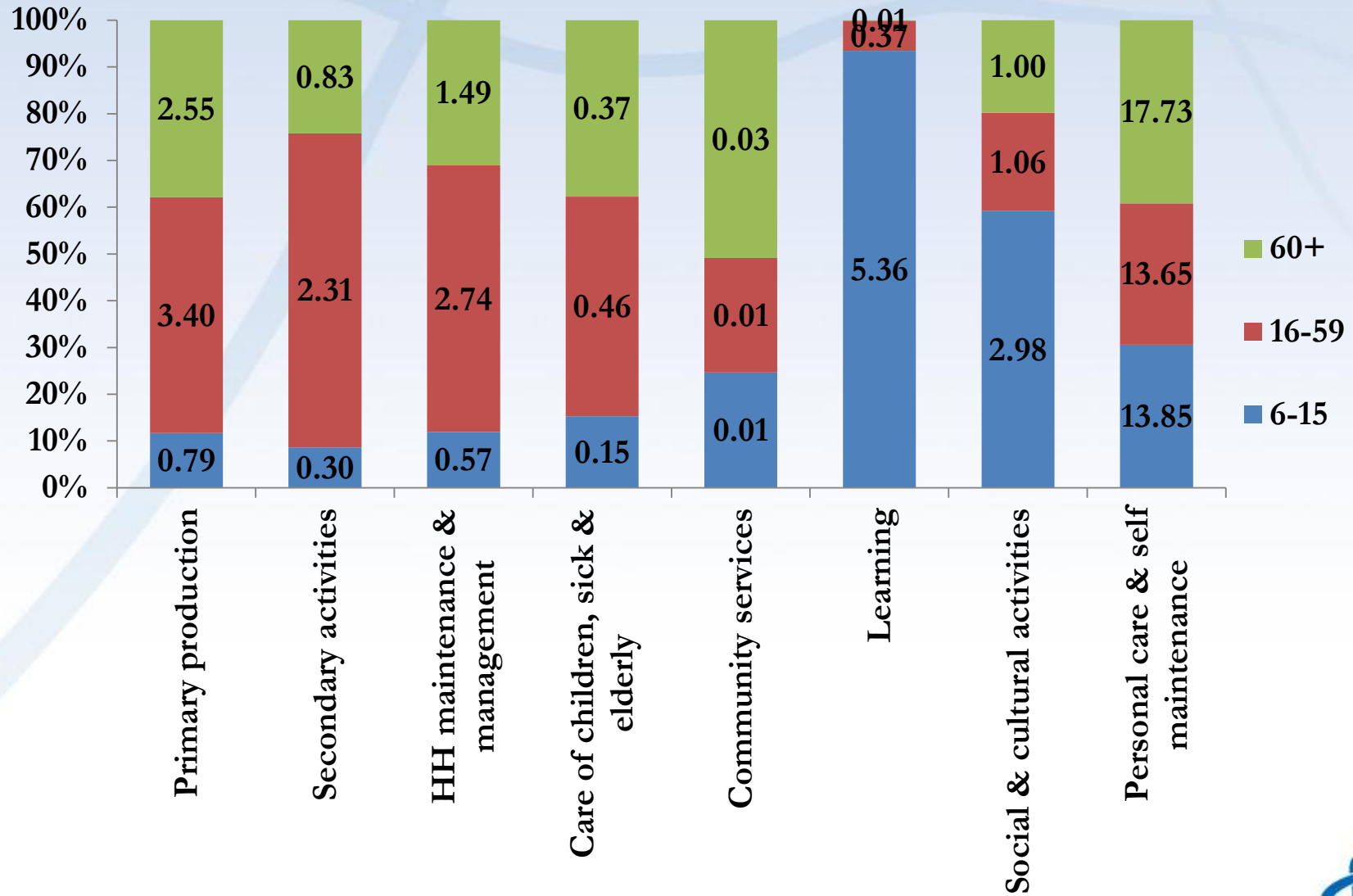
## Care for child, sick and elderly



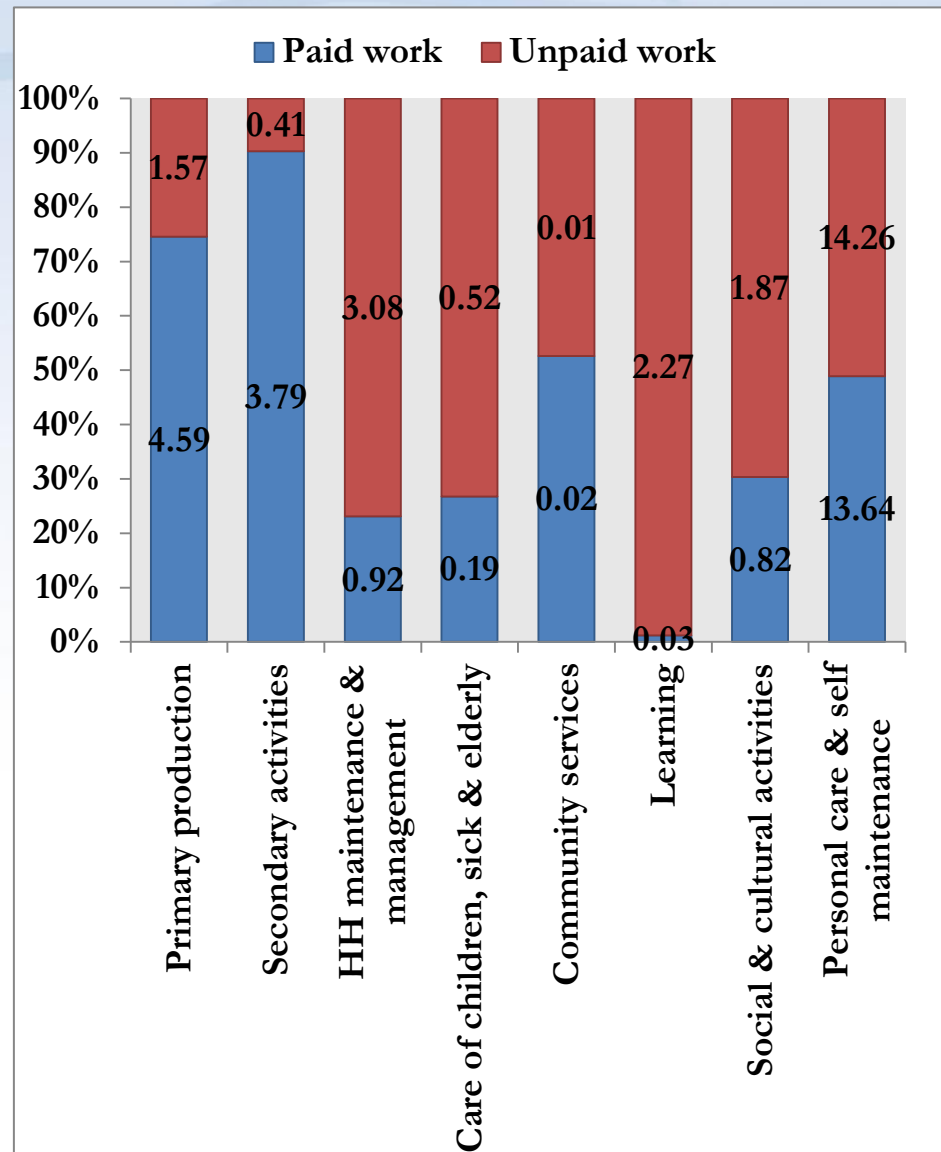
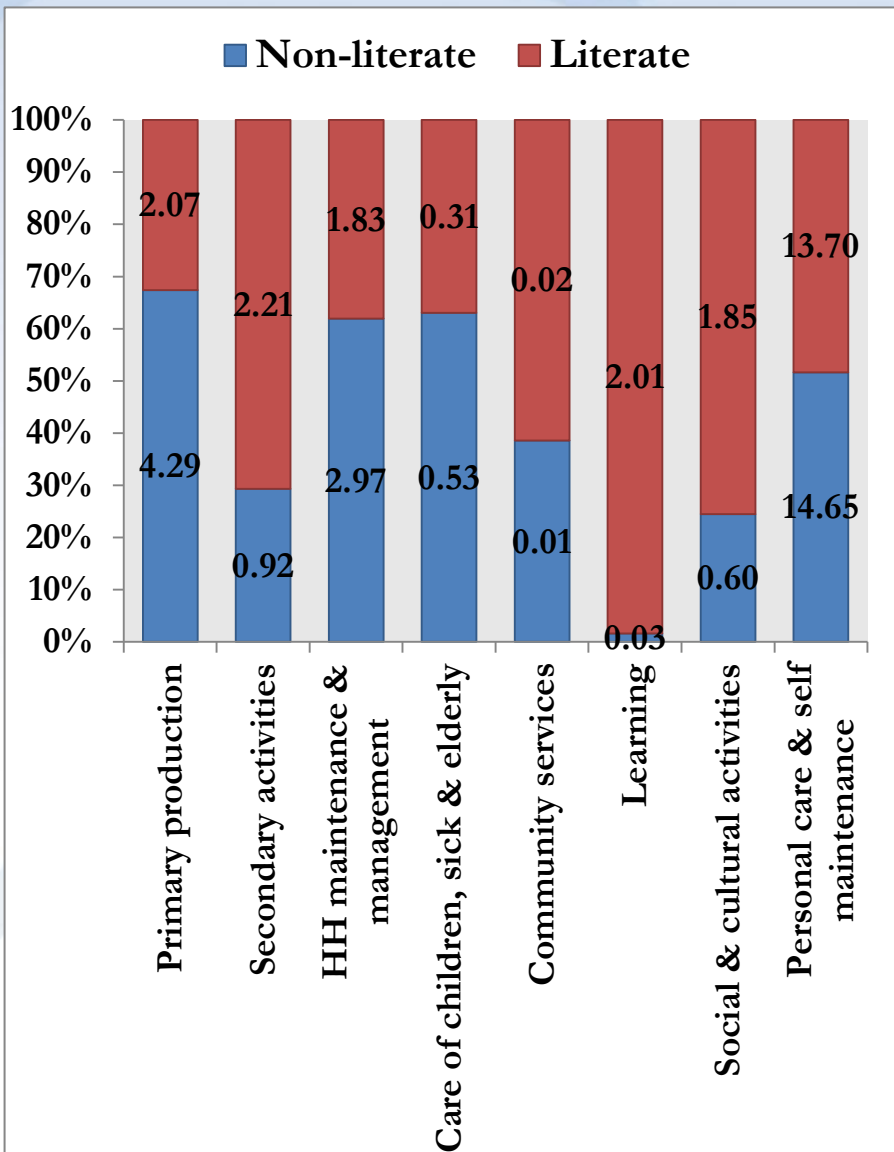
## Household Management



# Average time use in hours per day on different activities by broad age groups



# Average time spent in hours per day on different activities among females by age groups



# Conclusion

- It is evident that women spent much more time in food preparation, household maintenance, care of children and sick than men
- Though non-market household production contributes to welfare of the society it is not considered as part of the GDP
- There is gradual realization of the contribution of women in the economy of a country and some countries have already accounted non-market household production in extended SNA
- Integration of NTA and NTTA shall be a step towards Gender accounting particularly for India
- Time use survey with nationwide coverage for India is recommended

**THANK YOU**