ANALYZING CHILD CARE TIME WITH TIME DIARIES

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6/30/2016
TIME USE DATA ACCESS SYSTEM WORKSHOP



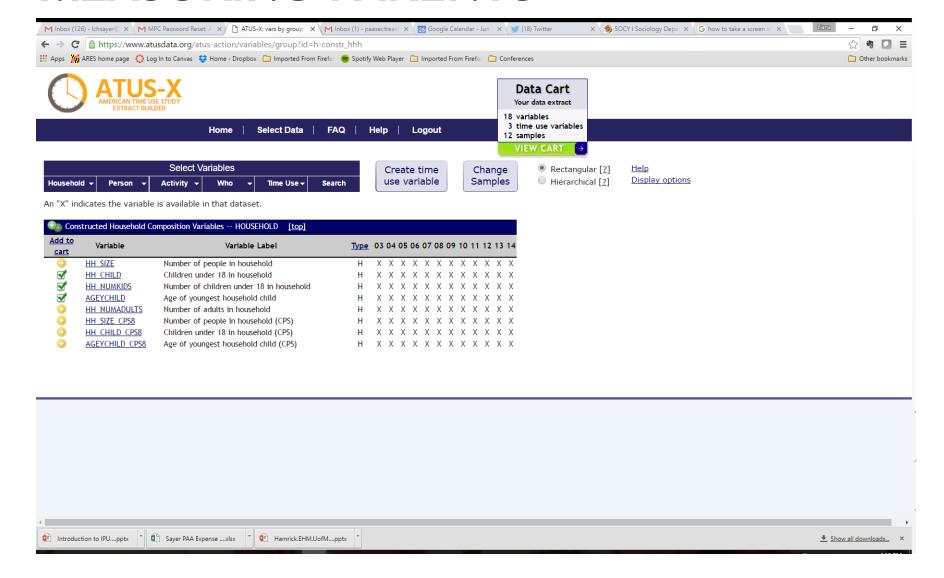




MEASURING CHILD CARE

- Primary Child Care
- "Secondary" child care
 - Child "in your care"
 - Responsibility / monitoring of child(ren)
- Time with Children
 - Any activity with household & nonhousehold children

MEASURING PARENTS



TYPES OF CHILD RELATED TIME

- Primary Child Care
- "Secondary" child care
 - Child "in your care"
 - Responsibility / monitoring of child(ren)
 - In ATUS-X ≠ simultaneous child care activity
- Time with Children
 - Any activity with household & nonhousehold children

FIGURE 1. COMPARING TYPES OF CHILD TIME

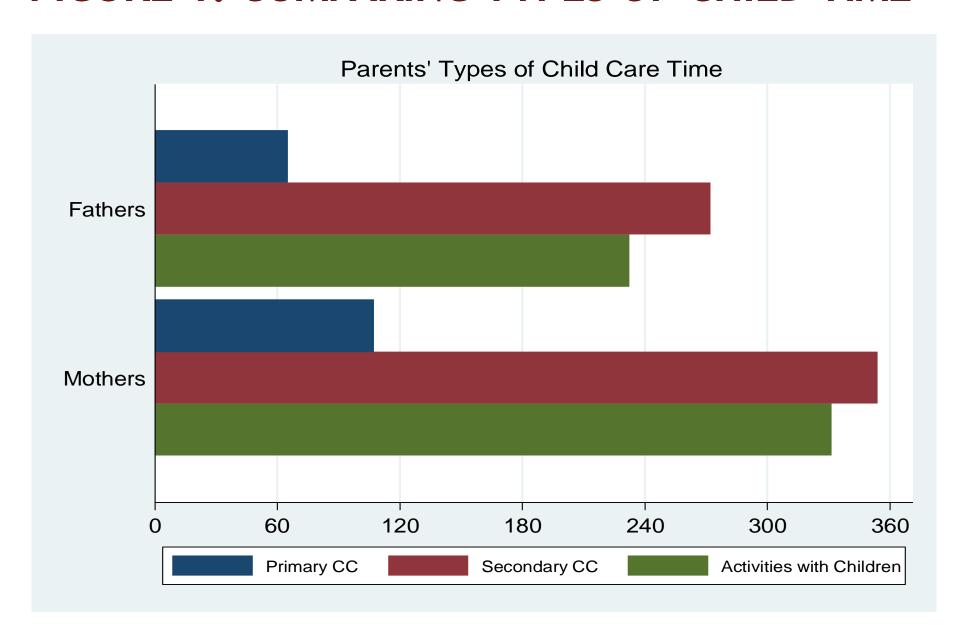
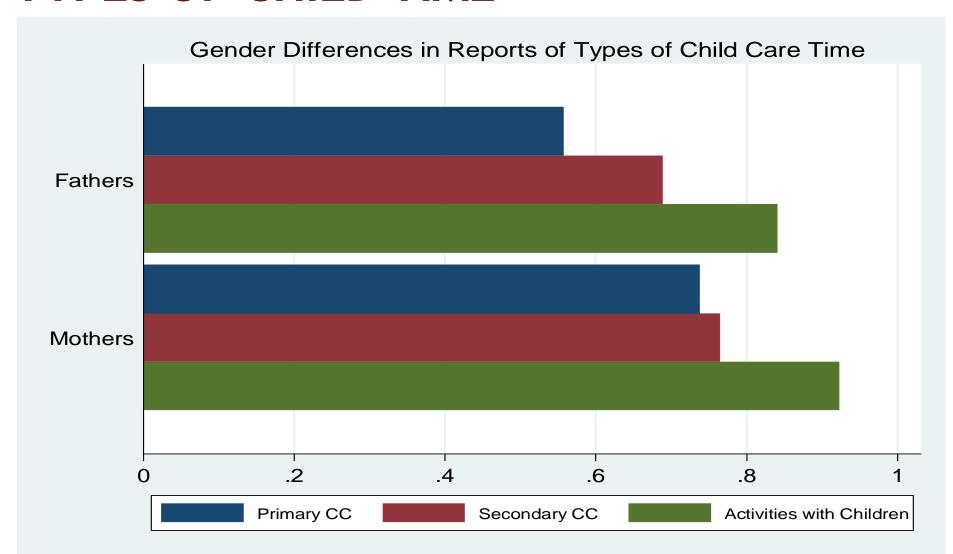


FIGURE 2. COMPARING REPORTS OF TYPES OF CHILD TIME



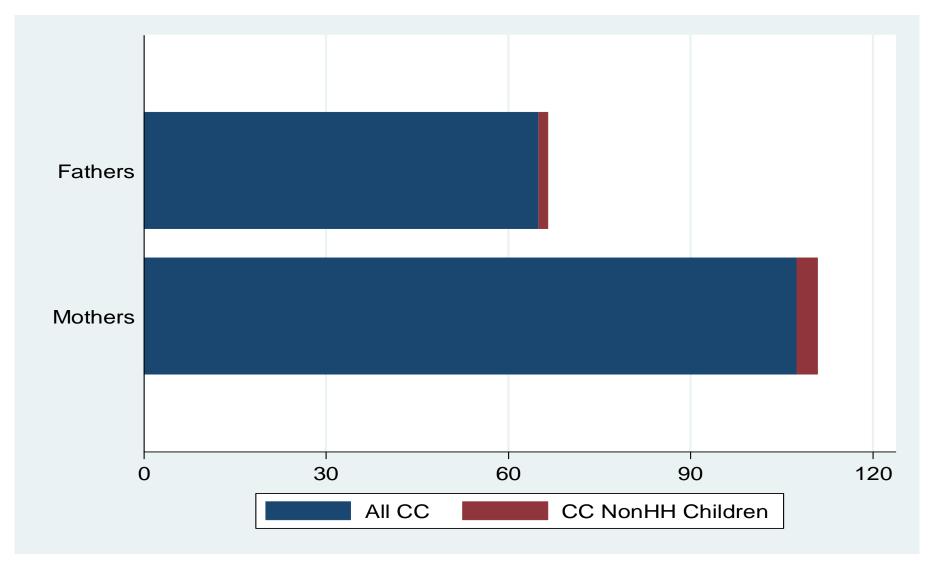
CONCEPTUALIZING PRIMARY CHILD CARE

- Physical care
- Developmental care
- Managerial care

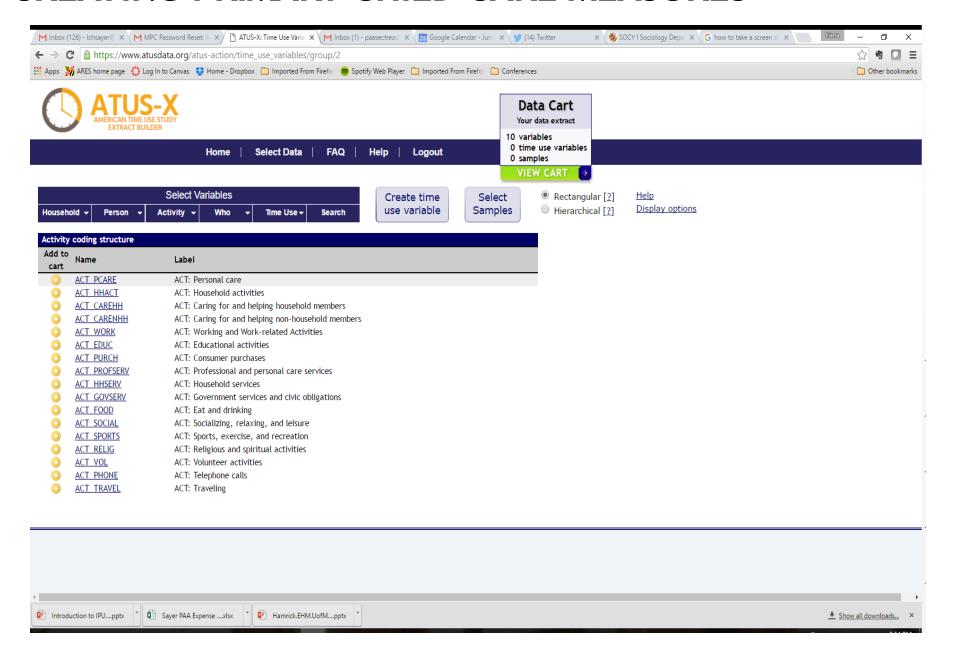
CODING PRIMARY CHILD CARE TIME

- Household and non-household children ages 0-17
 - Relationship to child not specified
 - <u>https://www.atusdata.org/atus-action/variables/group?id=constr_child</u>
 - https://www.atusdata.org/atusaction/variables/ACTIVITY#codes_section

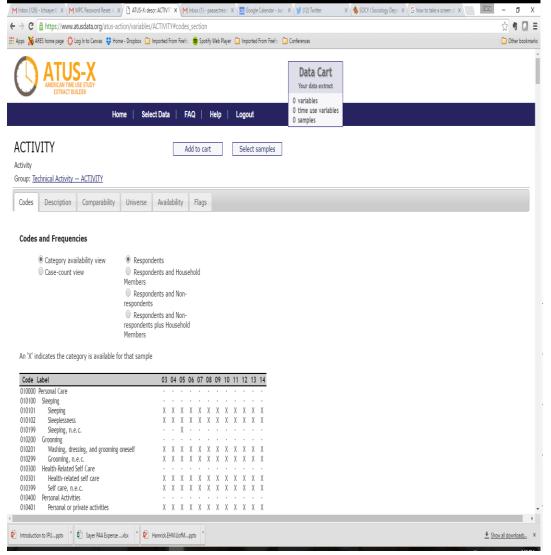
FIGURE 3. MORE CHILD CARE TIME OF HOUSEHOLD CHILDREN



CREATING PRIMARY CHILD CARE MEASURES



CREATING PRIMARY CHILD CARE VARIABLES FROM SCRATCH (1)



Physical

```
    030101 + 030109 + 030199 + 030301 + 030302 + 030303 + 030399 + 180381 + 180382 + 180304
```

Developmental

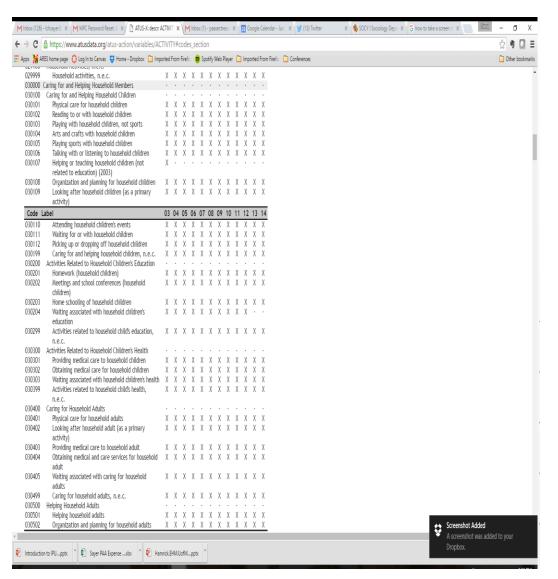
```
    030102 + 030103 + 030104 + 030105 + 030106 + 030107 + 030201 + 030203
```

Managerial

```
    030108 + 030110 + 030111 + 030112 + 030202 + 030204 + 030299 + 080101 + 080102 + 080199 + 160107 + 180303 + 180801
```

 https://www.atusdata.org/at <u>us-</u> <u>action/variables/ACTIVITY#c</u> odes section

CREATING PRIMARY CHILD CARE VARIABLES FROM SCRATCH (2)



Physical

```
    030101 + 030109 + 030199 + 030301 + 030302 + 030303 + 030399 + 180381 + 180382 + 180304
```

Developmental

```
■ 030102 + 030103 + 030104 + 030105 + 030106 + 030107 + 030201 + 030203
```

Managerial

```
    030108 + 030110 + 030111 + 030112 + 030202 + 030204 + 030299 + 080101 + 080102 + 080199 + 160107 + 180303 + 180801
```

 https://www.atusdata.org/atusaction/variables/ACTIVITY#codes_s ection

FIGURE 4. MORE DAILY TIME IN PHYSICAL CHILD CARE TIME

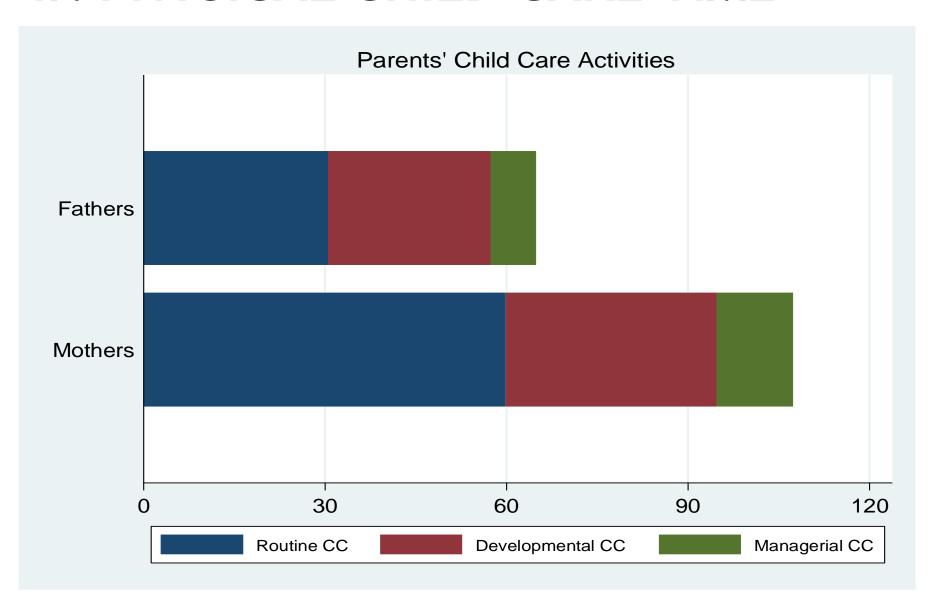


FIGURE 5. HIGHER % OF PARENTS REPORT PHYSICAL CHILD CARE ACTIVITIES

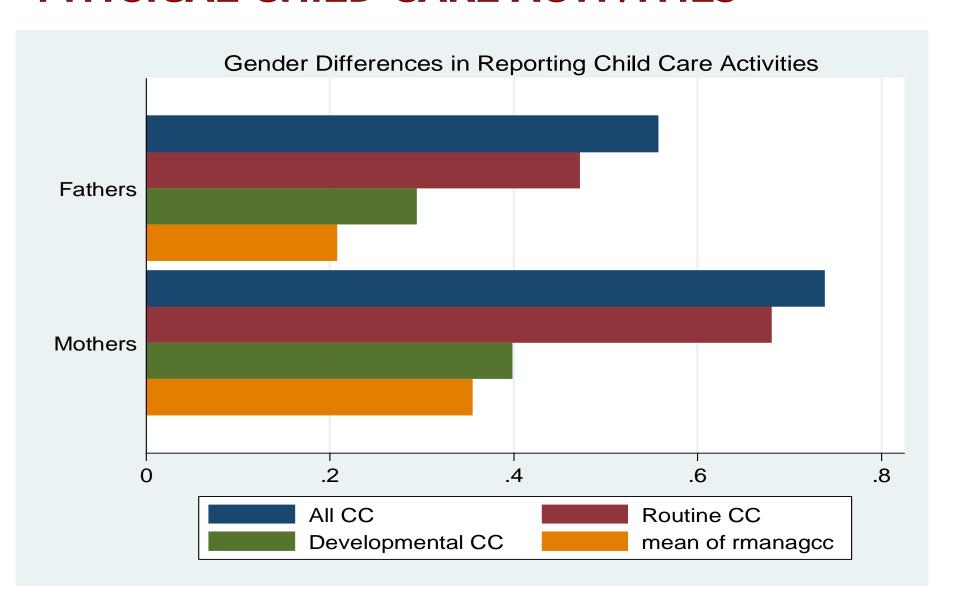


FIGURE 6. MORE CHILD CARE TIME WHEN YOUNG CHILDREN PRESENT

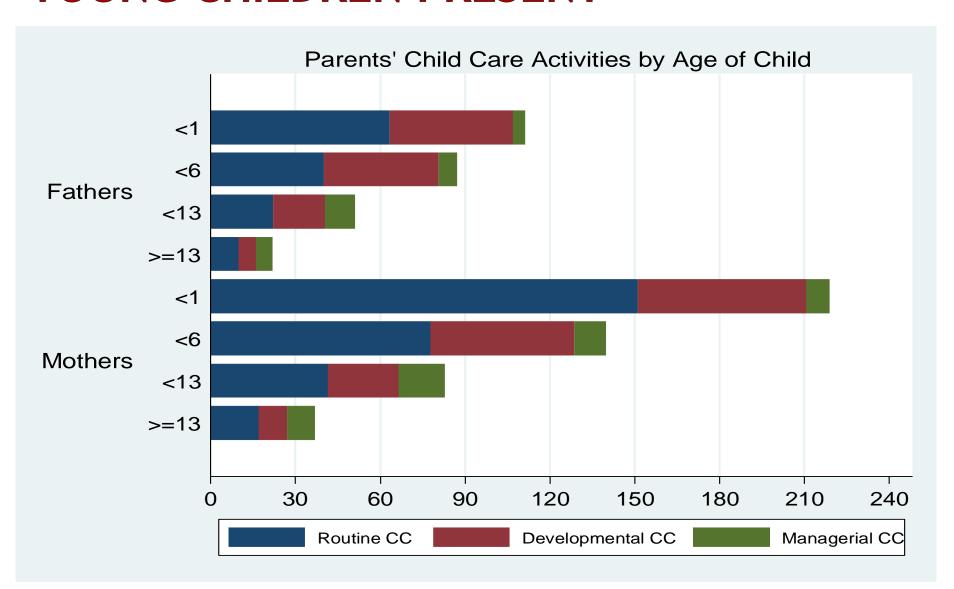
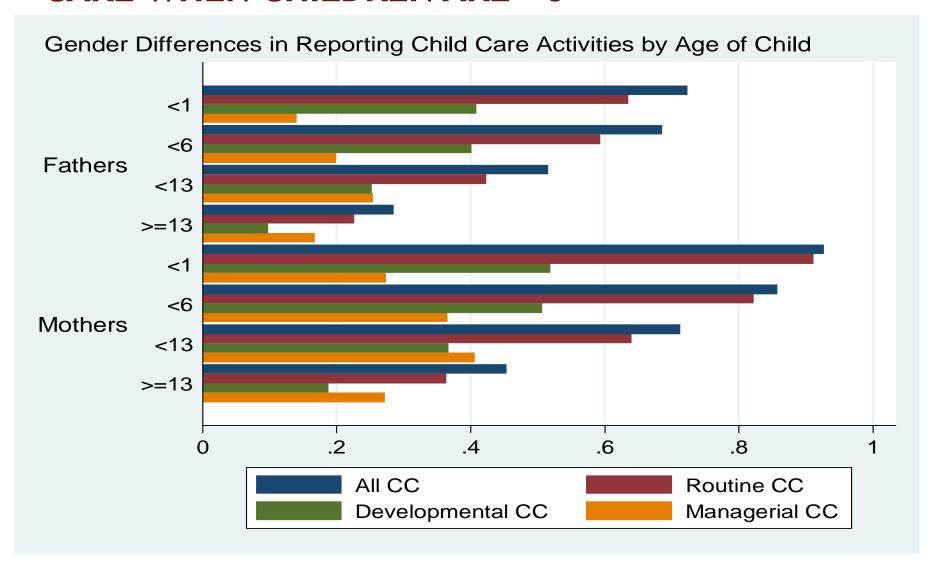


FIGURE 7. HIGHER % OF PARENTS REPORT CHILD CARE WHEN CHILDREN ARE <6



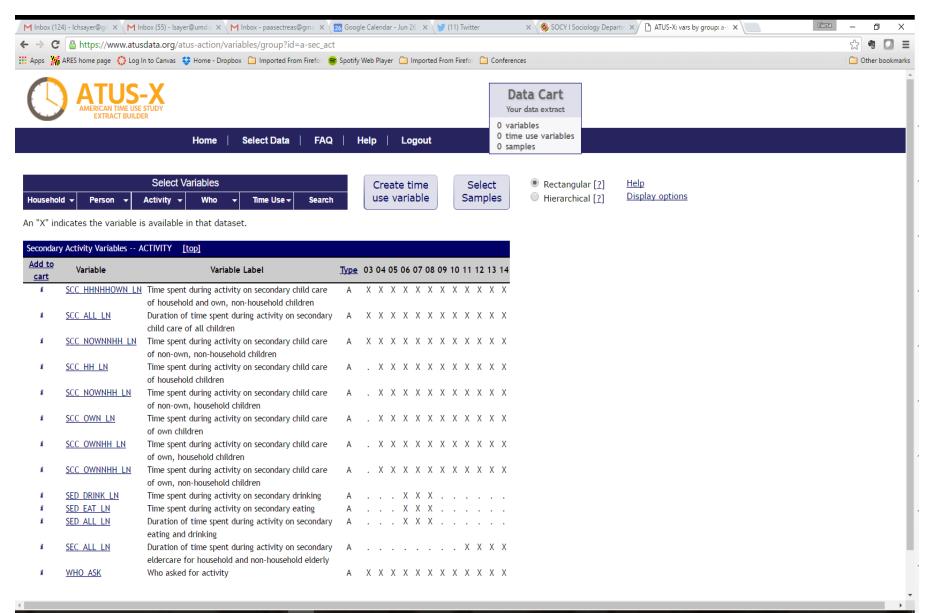
SECONDARY CHILD CARE TIME

- Data collected after main diary
 - "at which times or during which activities was a child in your care?"
- Children ages 0-12
- Secondary child care not collected if
 - children are asleep
 - respondent is asleep
 - primary activity is child care

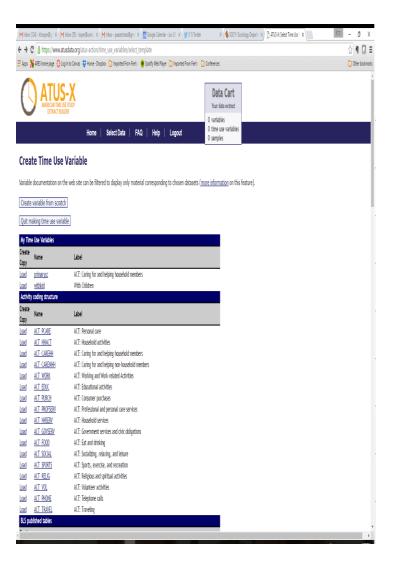
ATUS-X SECONDARY CHILD CARE MEASURES

- Summary and Activity-level measures
- Types of secondary child care, 2003
 - Household and own, non-household children
 - Non-household, non-own children
- Types of secondary child care, 2004-2014
 - Own household children
 - Own non-household children
 - Non-own household children
 - Non-own, non-household children

CREATING SECONDARY CHILD CARE MEASURES



CREATING SECONDARY CHILD CARE MEASURES



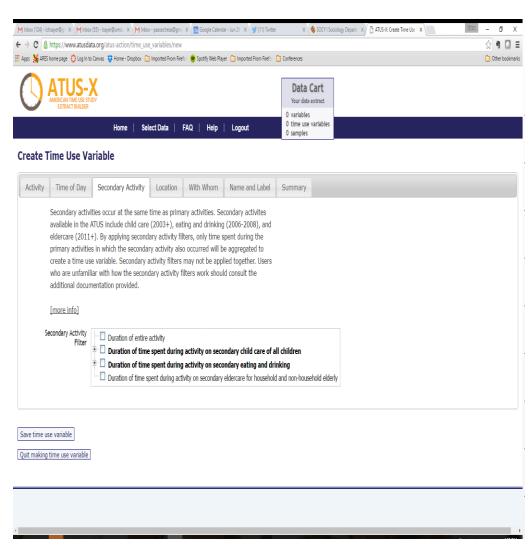


FIGURE 8. COMPARING MINUTES PER DAY OF TYPES OF SECONDARY CHILD CARE TIME

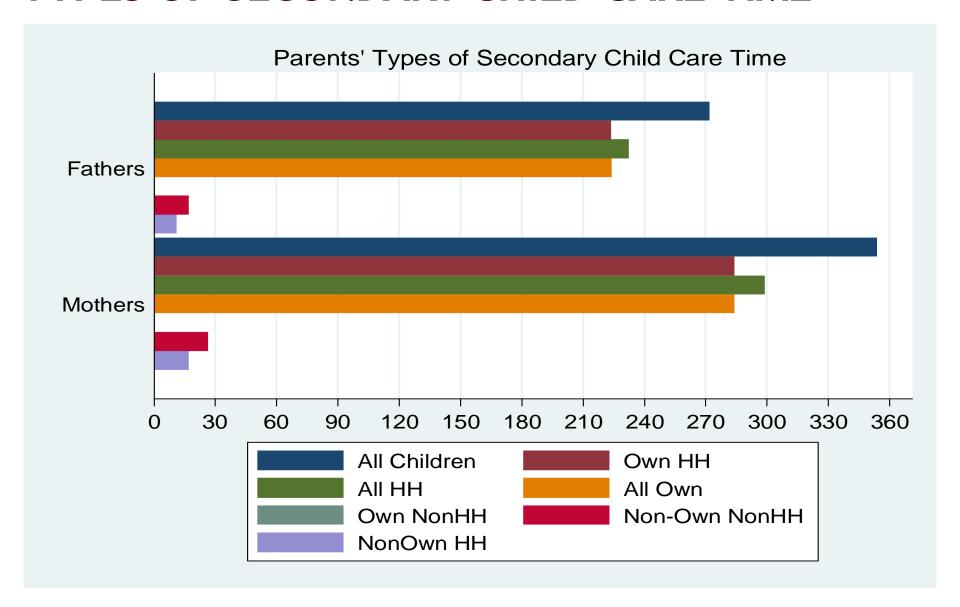
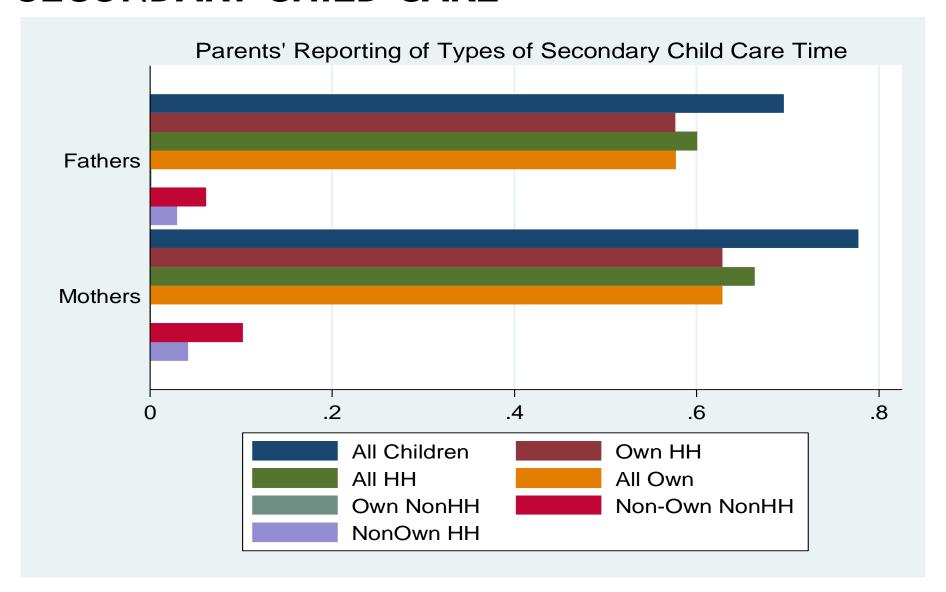


FIGURE 9. COMPARING REPORTS OF SECONDARY CHILD CARE



WITH WHOM DATA

- Use "who with" variables to create
 - How much time is spent in "solo" and "shared" child care
 - How much time is spent with children in all activities
- With whom data is not collected if primary activity is
 - Sleep
 - Personal care

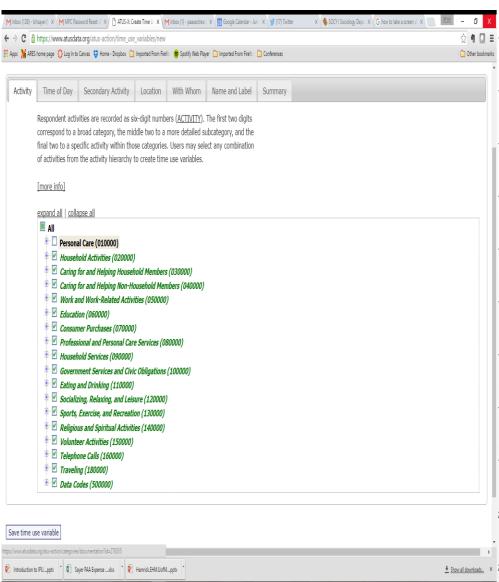
Table 3. Descriptive Statistics for Mothers' and Fathers' Shares of Routine and Non-routine Household Childcare and Childcare Performed Away From or Together With Spouse

	Share of Routine Household Care		Share of Non- routine House- hold Care		Share of House- hold Care Performed Away from Spouse		Share of House- hold Care Per- formed Together with Spouse		Total House- hold
	Fathers	Mothers	Fathers	Mothers	Fathers	Mothers	Fathers	Mothers	Care
Mean SD	.15 .23	.51 .32	.13 .21	.21 .26	.10 .21	.38 .34	.18 .23	.34 .29	1.00

How Mothers and Fathers Share Childcare: A Cross-National Time-Use Comparison American Sociological Review 76(6) 834–861 © American Sociological Association 2011 DOI: 10.1177/0003122411427673 http://asr.sagepub.com

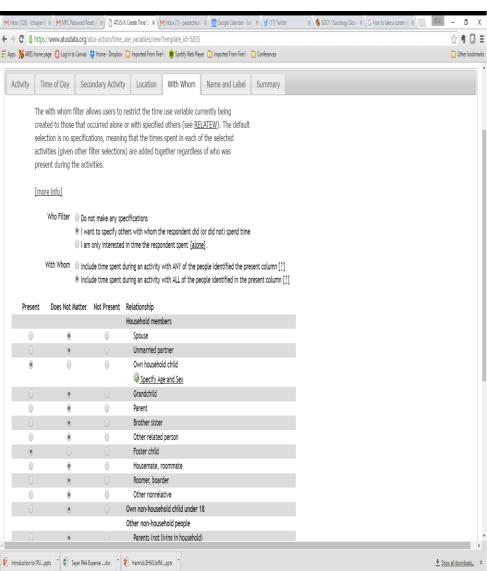


https://www.atus data.org/atusaction/time_use_v ariables/select_te mplate



CREATING MEASURES USING WITH WHO DATA (2) MINOR DATA (2) MINOR DEPOSITION OF THE LEW MINOR PROJECT THE LEW MINOR (1) - PROJECT THE LEW MINOR (2) - PROJECT THE LEW MINOR

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CREATING MEASURES USING WITH WHOM DATA (3)

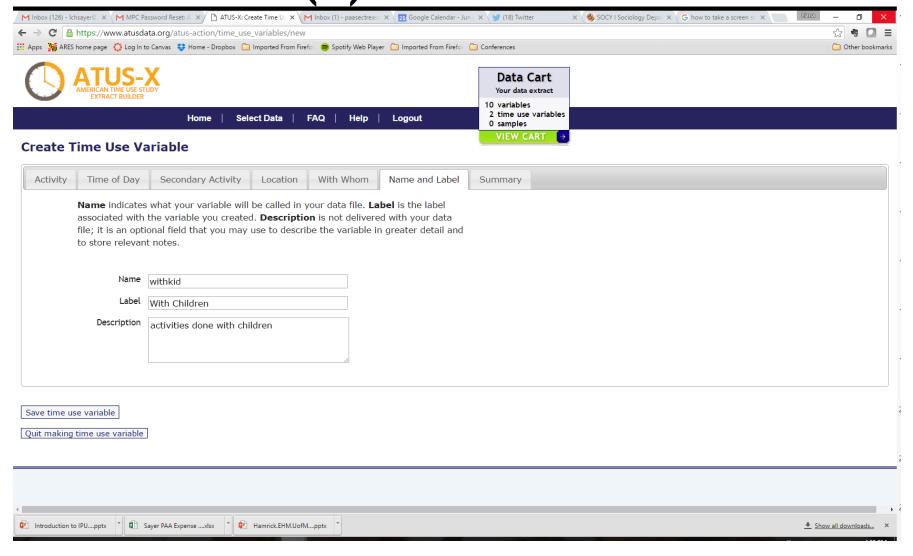


FIGURE 10. MORE TIME WITH OWN HOUSEHOLD CHILDREN

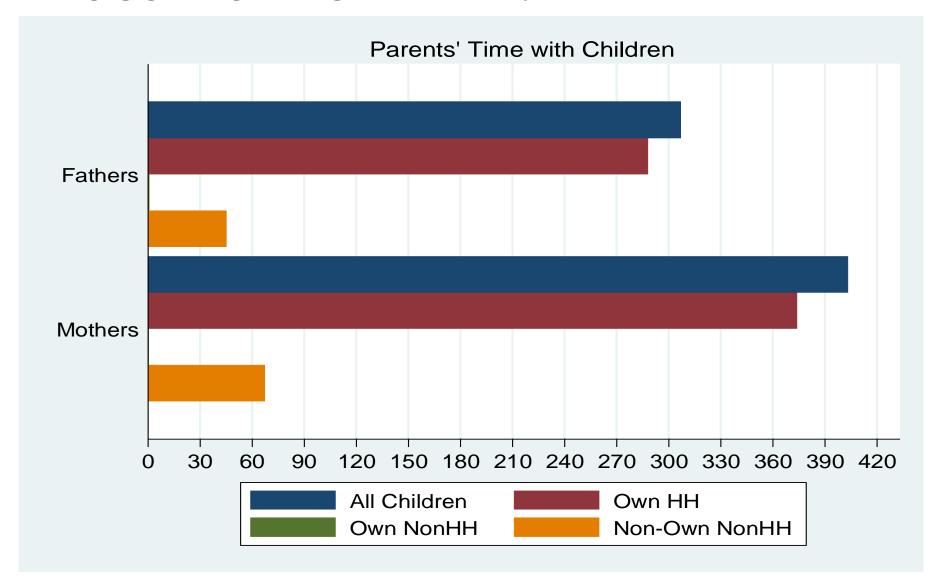


FIGURE 11. REPORTS OF TIME WITH CHILDREN

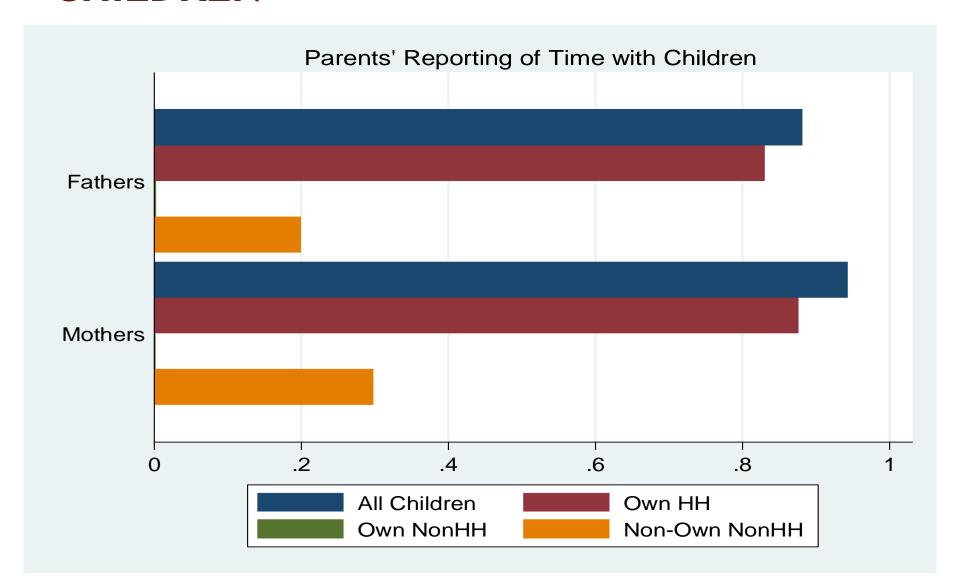
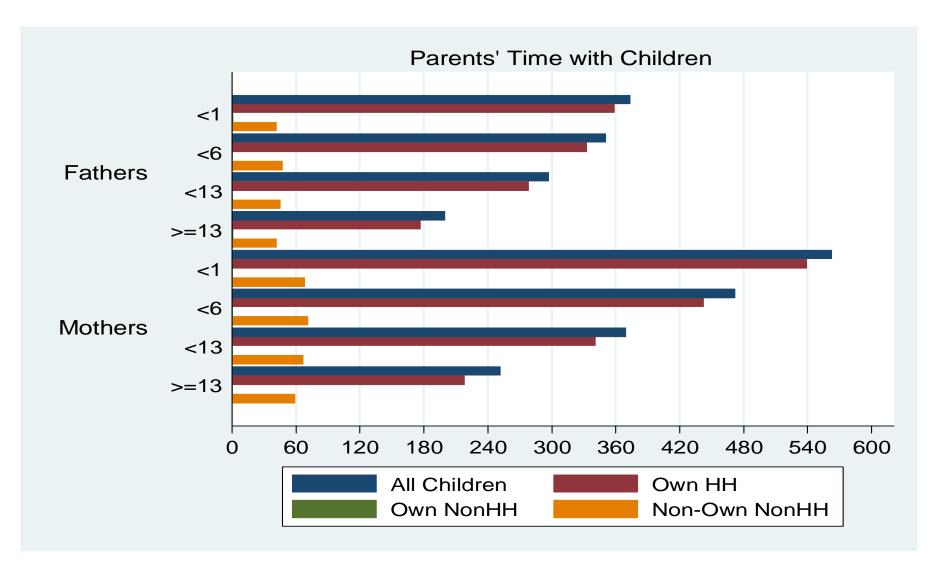


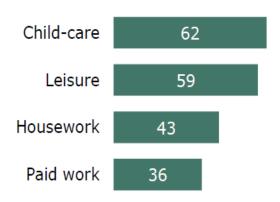
FIGURE 12. NEGATIVE INFLUENCE OF AGE OF CHILDREN SMALLER FOR TIME WITH CHILDREN THAN PRIMARY CHILD CARE



CHILD CARE & WELL-BEING

Parents Find Child Care Meaningful ...

% of ... activities rated "very meaningful"



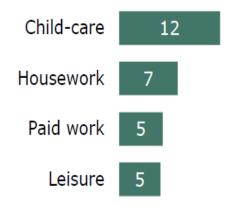
Note: Based on ratings of adults ages 18 to 64 with own child(ren) under age 18 living in the household. "Don't Know/Refused" not included.

Source: Pew Research Center analysis of 2010 American Time Use Survey, Well-being Module.

PEW RESEARCH CENTER

... But Also Exhausting

% of ... activities rated "very tiring"



Note: Based on ratings of adults ages 18 to 64 with own child(ren) under age 18 living in the household. "Don't Know/Refused" not included.

Source: Pew Research Center analysis of 2010 American Time Use Survey, Well-being Module.

PEW RESEARCH CENTER

• http://www.pewsocialtrends.org/2013/10/08/parents-time-with-kids-more-rewarding-than-paid-work-and-more-exhausting/

LIMITATIONS OF TIME USE MEASURES OF CHILD CARE

- Can't produce data on care for specific children
- Can't determine quality of time
- Affect data for selected activities only
- One-day snapshot
 - May not reflect long-term child related time
 - Difficult to model causality

QUESTIONS?