

The Population Association of America presents:

Where Does the Time Go?

Understanding Overwhelmed Working Families
through the *American Time Use Survey*

Congressional Briefing and Ice Cream Social

Monday, May 2, 2016

**2168 Rayburn House Office Building
Gold Room**

2:00 – 3:00 p.m.

Ice Cream will be served beginning at 1:45; program begins at 2:00

Moderator:

Brigid Schulte, *New America*

[Formerly with the *Washington Post*]

Best-selling author of *Overwhelmed: Work, Love and Play When No One has the Time*

Speakers:

Diane Herz, PhD., *Mathematica Policy Research*

Steven Martin, PhD., *Urban Institute*

Rachel Krantz-Kent, *Bureau of Labor Statistics*

Since its inception in 2003, the **American Time Use Survey** (ATUS) has generated data that is essential to understanding how Americans spend their time when they are not officially “on the job” – from child care and household chores to commuting and sleep patterns. Measuring these aspects of daily life provides insights into the vast sector of non-wage productivity, and the ATUS has informed such important policy issues as workplace flexibility, food deserts, obesity, eldercare and childcare. Join us for a discussion about the ATUS, including significant findings, policy implications, and the future of the survey itself.

This is a widely attended event relevant to official duties.

Co-Sponsors:

American Economic Association • American Educational Research Association • American Sociological Association
American Statistical Association • Association of Population Centers • Council of Professional Associations on
Federal Statistics • Consortium of Social Science Associations • Population Reference Bureau • Sage Publishing



Key Findings From the ATUS

- Mothers do twice as much care work and housework as fathers, even though mothers' paid work and fathers' child care has increased since the 1960s
 - Gendered time use linked with pay gaps, leisure gaps, and stress gap
- Gender, education, and racial differences in leisure time parallel health disparities
 - More sedentary leisure among women, less educated, African-Americans and Hispanics may be linked with negative health outcomes

Thank You Congresswoman DeLauro and Cosponsors

- Association of Population Centers
- American Educational Research Association
- American Sociological Association
- American Statistical Association
- Council of Professional Associations on Federal Statistics
- American Economic Association
- Consortium of Social Science Associations
- Population Reference Bureau
- SAGE Publishing

For more information....

- Find today's slides and more information about population research and the Population Association of America at:
 - www.populationassociation.org
- Participate in today's briefing via Twitter--
#TimeUseintheUS
- Follow PAA--@PopAssocAmerica and @PAAGPac



The Stories Time can Tell

- chicken cutlets - chili powder - Tonic + Limes
- Granola Bars - Nuts - Dishwashing
- almond butter - ~~memo to Rosa~~ Things

TAXES!

got new black drive - USE IT!

Melatonin 739-7627 - Resched flight to Austin
SUNSCREEN!

WORK, LOVE, AND PLAY WHEN
NO ONE HAS
THE TIME
BRIGID SCHULTE

30% raises this year?

Tessa - social studies Mortgage orig - REFINANCE project make up

memo to Kevin & Marty

- Tim Gumbo
 tooth to about
 dad's benefits

- fill out camp forms
- find Geometry Tutor

max to vet?
 try diet cat food?
 lunch w/ Hyl. Sarah Phil?

don't want (inbox)

The Danes Have More Fun



The Big Picture

The Ideal Worker?

Cadillac ELR TV Commercial, 'Work Hard'



Twice the Housework & Childcare



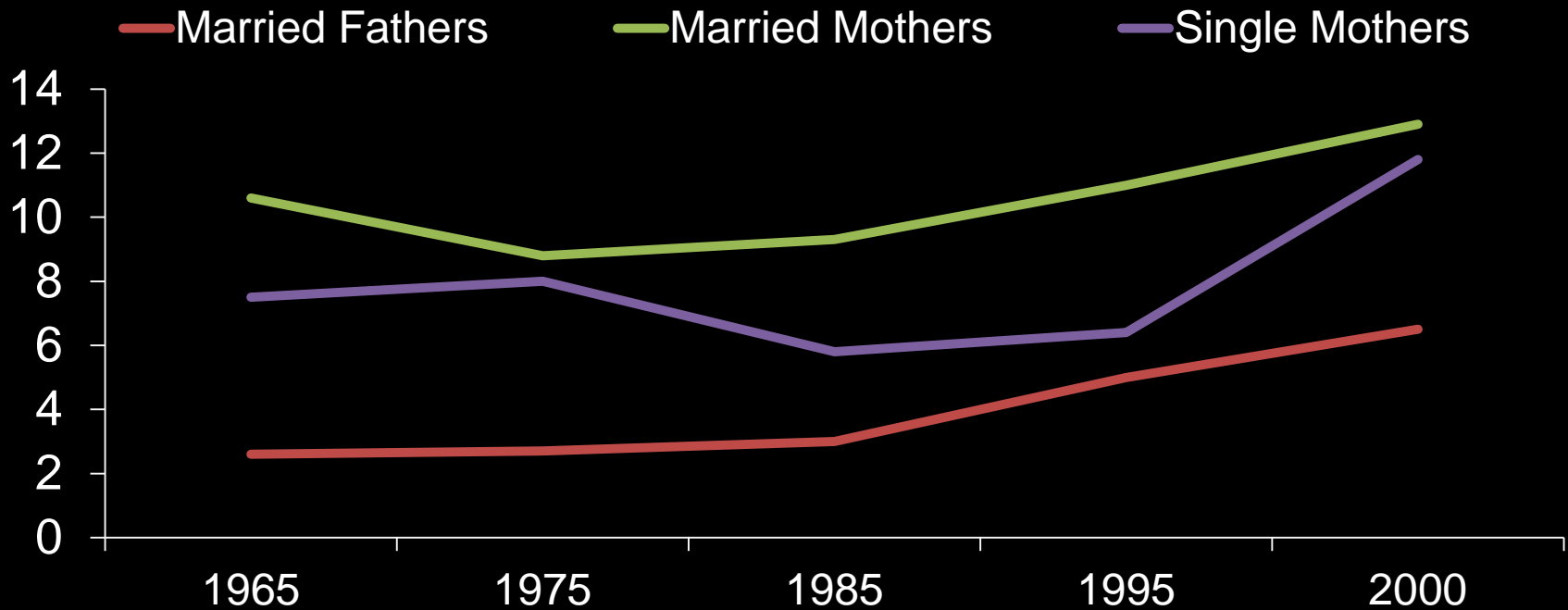
The Surprising Truth



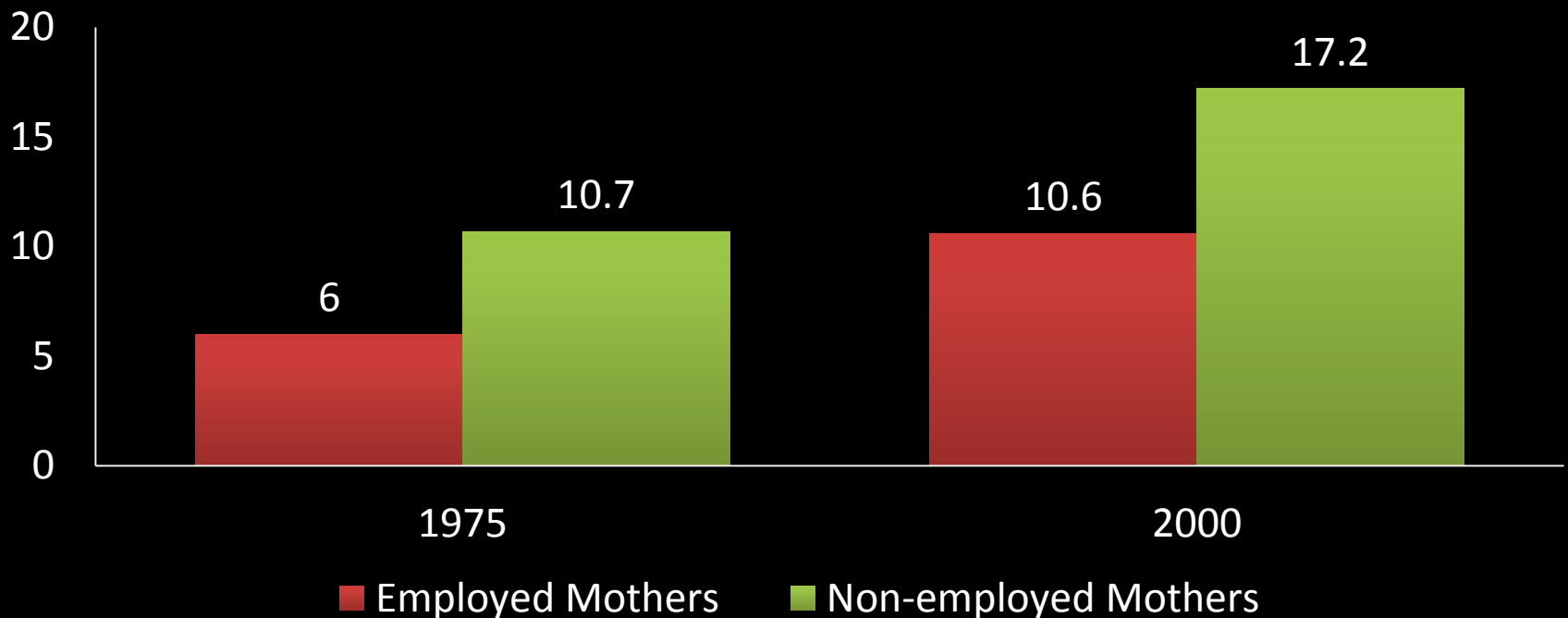
The Myth of AWOL Parents



Parent Time with Children



Working Mothers Spend as much time with kids as At-Home Moms of 1970s

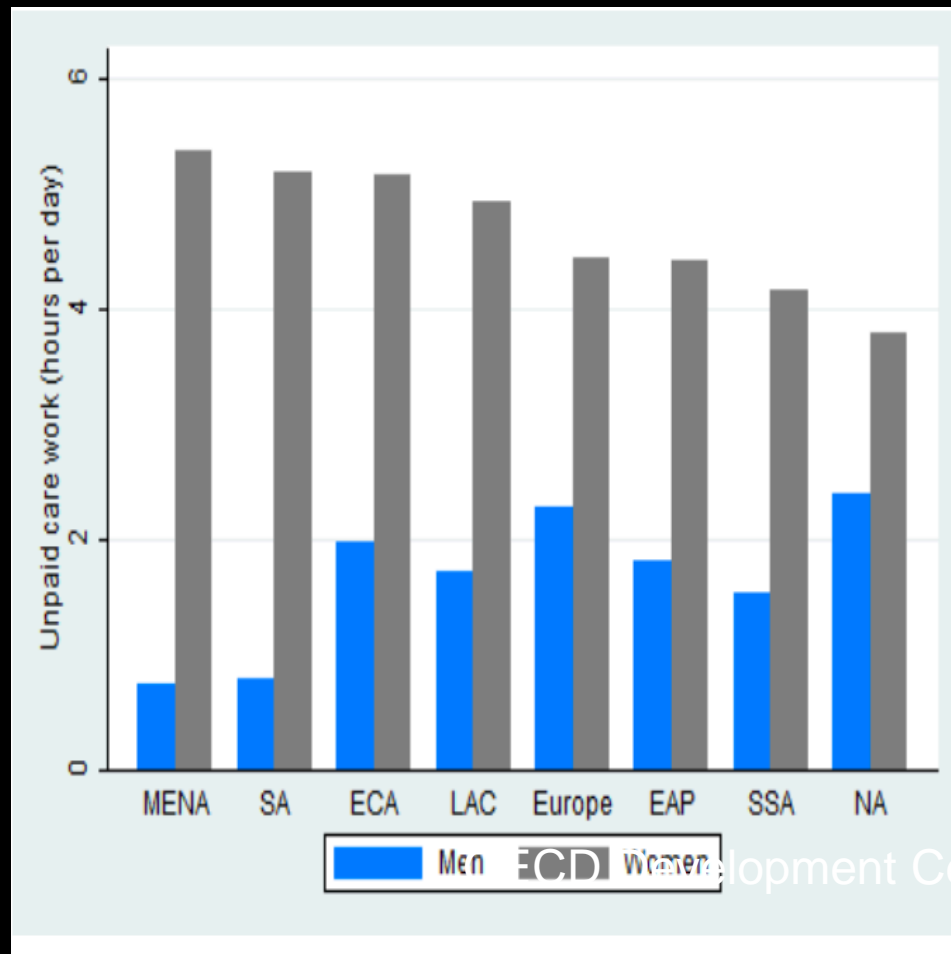


Bianchi, Milkie, Robinson, *Changing Rhythms of American Family Life*, 2007

**Measuring what's really
Important**



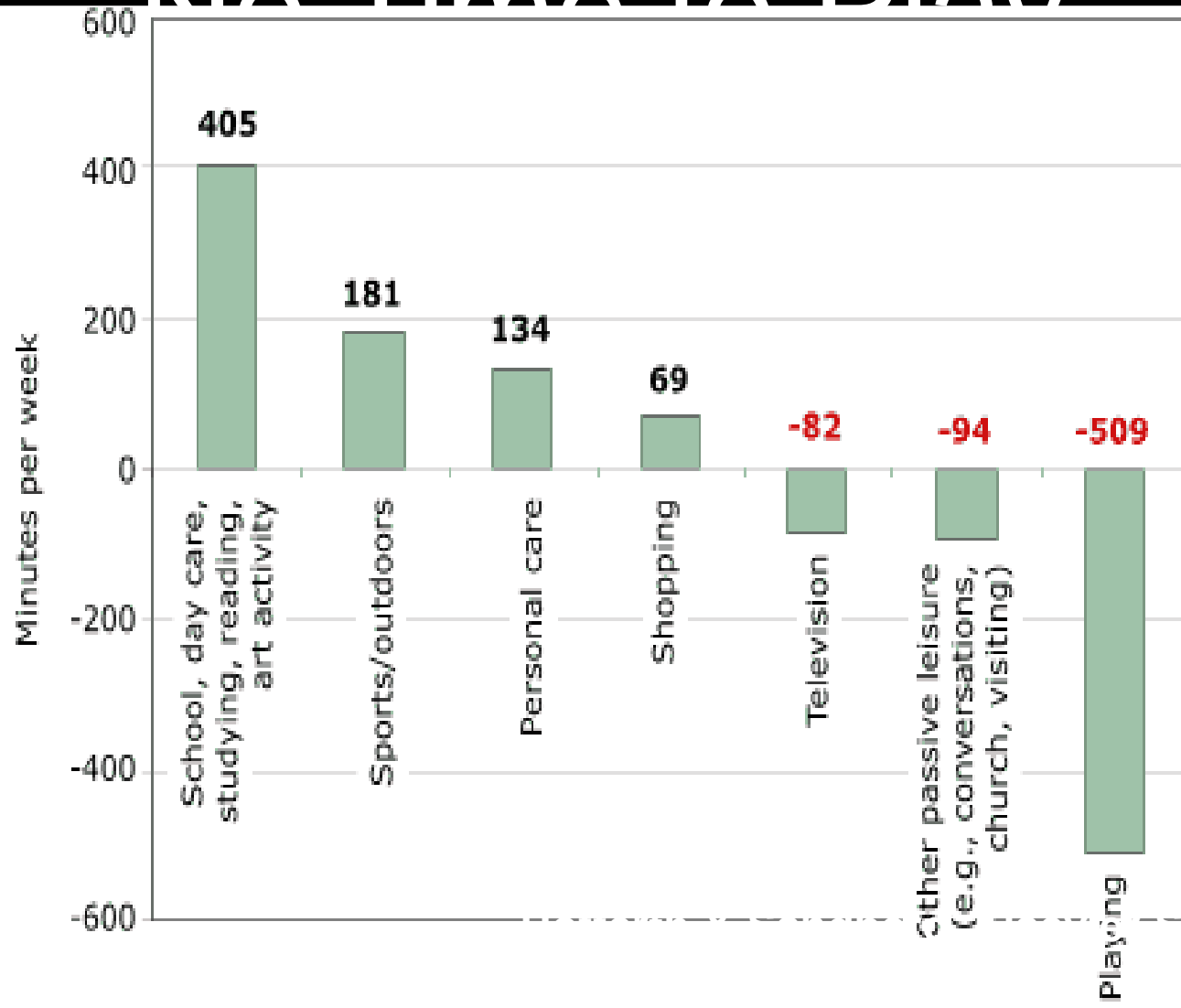
Calculating Value for Unpaid Work



ECDC Development Centre, 2014



No Time to Play



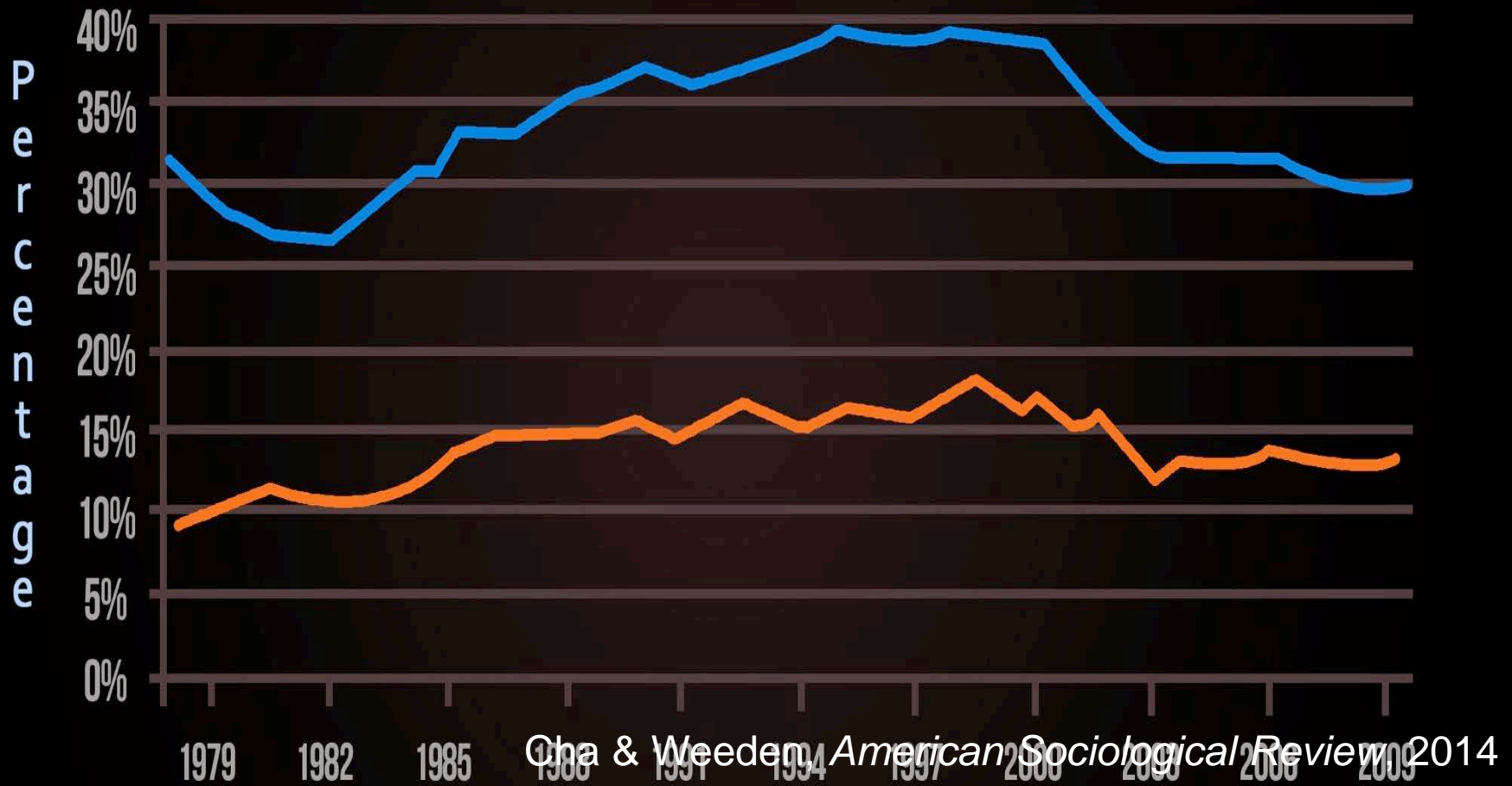
Imagine. Explore. Experiment.



@BrigidSchulte

BrigidSchulte.com

Overwork Gender Gap



Use of Time: Male/Female Professors



Misra, Hicks Lundquist, Templar, 2012

Minister of Gender Equality





Where Does the Time Go?

Development of the American Time Use Survey

Population Association of America
2168 Rayburn HOB Washington, DC

May 2, 2016

Diane Herz

Our time has always been on our minds



*Dost thou love life?
Then do not squander
time, for that's the
stuff life is made of."*

--Benjamin Franklin

Some feel they are on top of it

Time is on my side
--Rolling Stones



One always has time
enough, if one will
apply it well.
--Johann Wolfgang
von Goethe

And others keenly feel its pressure



Time is my greatest
enemy.
--Eva Perón



Time is the devourer
of all things.
--Ovid



All would agree that our time is precious

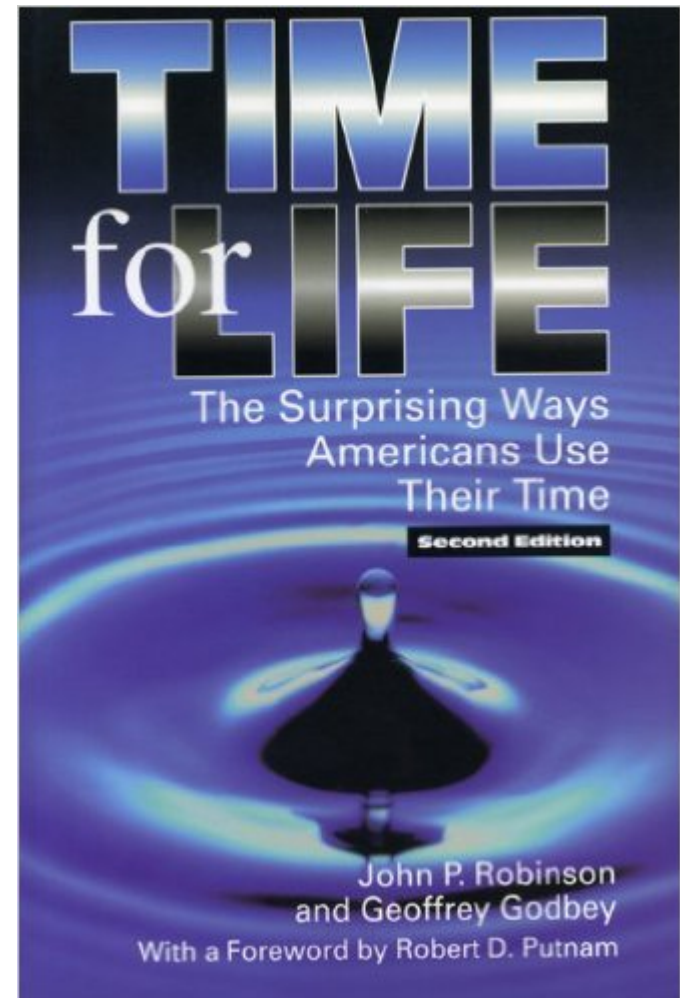


Since time is the one immaterial object which we cannot influence -- neither speed up nor slow down, add to nor diminish -- it is an imponderably valuable gift.

--Maya Angelou

The Call for Time Use Measurement

- 1900s—US industry conducted time and motion studies
- 1960s—US academics began measuring time use of individuals
- 1970s—Many countries began measuring time use of their populations



Leaders Called for Measuring Unpaid Work

The Unremunerated Work Act of 1991

- To “conduct time use surveys of unremunerated work and to calculate the monetary value of such work.”



Rep. Barbara-Rose Collins (D-MI)



The 1995 UN Conference on Women

- “national, regional, and international agencies should measure... unremunerated work that is outside national accounts and reflect it’s value...in official accounts...”

BLS Took on Time Use Collection

- **Then-Commissioner Katharine Abraham championed the work**
- **Drew on international models**



- **Called on experts across fields of study**

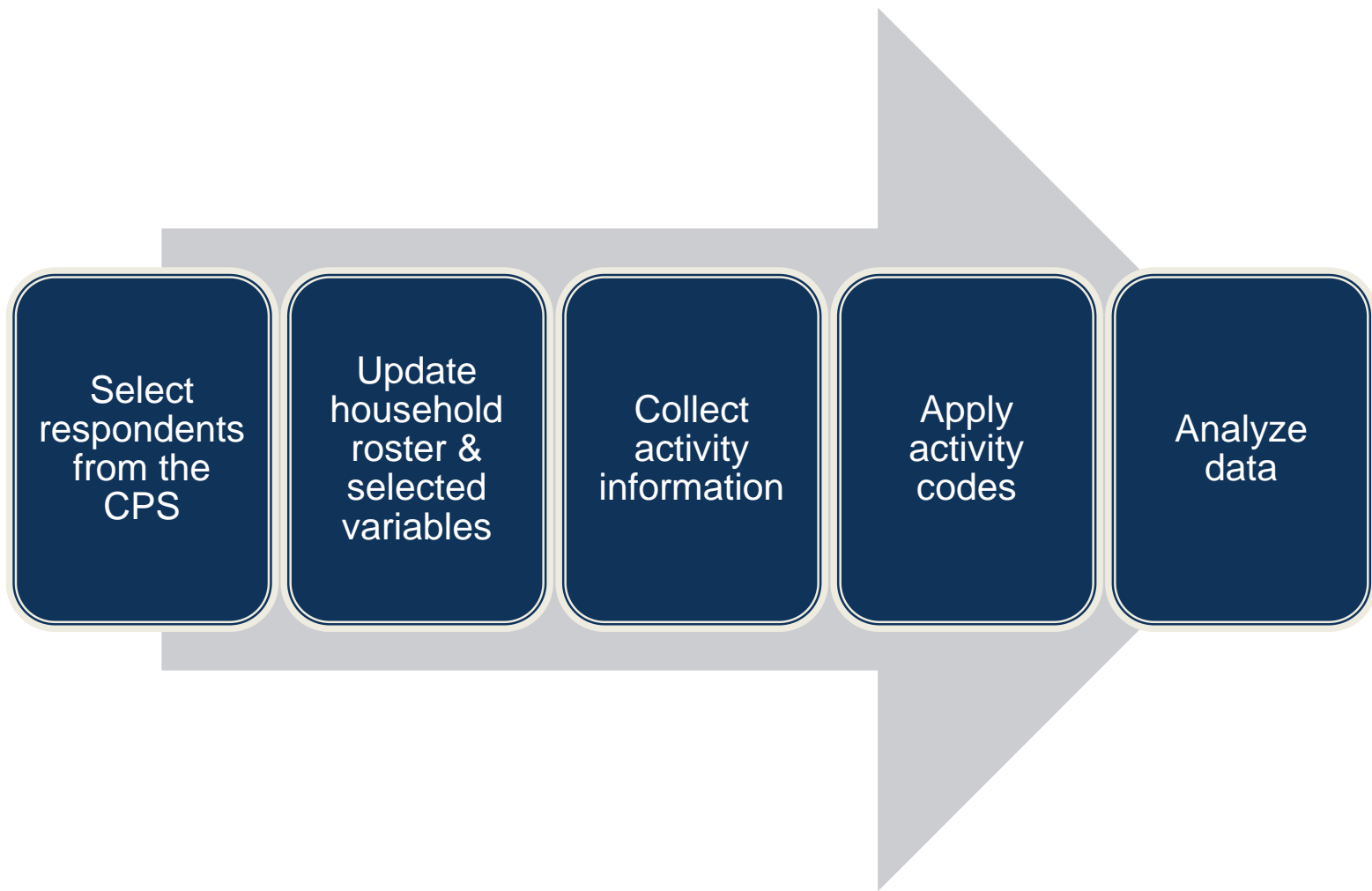


Time Use, Nonmarket Work, & Family Well-Being

- **Indicated data would help across policy areas**
 - Informing work / life balance analyses
 - Analyzing household division of labor
 - Tracking care activities
 - Measuring unpaid work and shifts to market work
 - Measuring key activities related to our well being, like sleep, commuting times, and exercise
- **Opted to design a general purpose survey**
 - Spun from the Current Population Survey
 - Conducted continuously
 - Minimized respondent burden
 - Included room for special topic studies



The Time Use Survey Process



A Look at the Time Diary

So let's begin. Yesterday, Monday, at 4:00 AM, what were you doing?

- Use the slash key (/) for recording separate/simultaneous activities.
- Do not use precodes for secondary activities.

- | | | |
|------------------------------|---------------------------------|------------------------------------|
| 1. Sleeping | 8. Cleaning kitchen | 30. Don't know/Can't remember |
| 2. Grooming (self) | 9. Laundry | 31. Refusal/ None of your business |
| 3. Watching TV | 10. Grocery shopping | |
| 4. Working at main job | 11. Attending religious service | |
| 5. Working at other job | 12. Paying household bills | |
| 6. Preparing meals or snacks | 13. Caring for animals and pets | |
| 7. Eating and drinking | | |

| | Start | ID | Activity | TIME | Hrs | Mins | Stop | Who | Who_2 | Where | Where specify |
|-----|---------|----|----------------------------|------|-----|------|---------|-----|-------|-------|-------------------|
| [1] | 4:00AM | | Sleeping | 2 | 8 | 0 | 12:00PM | | | | |
| [2] | 12:00PM | | Preparing meals and snacks | | 1 | 0 | 1:00PM | 0 | | 1 | Respondent's home |
| [3] | 1:00PM | | playing with kids | | | 1 | 1:01PM | 2 | | 1 | Respondent's home |
| [4] | 1:01PM | | Grooming | 1 | 2 | 0 | 3:00PM | | | | |

Interviewers Record Who was Present

Who was in the room with you? / Who accompanied you?

On HH Roster NonHH Family Other NonHH

| | | |
|---|--|---|
| <input type="checkbox"/> 0. Alone | <input type="checkbox"/> 51. Parents | <input type="checkbox"/> 54. Friends |
| <input type="checkbox"/> 2. Vernon Dursley | <input type="checkbox"/> 52. Other non-HH family members < 18 | <input type="checkbox"/> 55. Co-workers, colleagues, clients |
| <input checked="" type="checkbox"/> 3. Dudley Dursley | <input type="checkbox"/> 53. Other non-HH family members 18 and older (incl. Parents-in-law) | <input type="checkbox"/> 56. Neighbors, acquaintances |
| <input checked="" type="checkbox"/> 4. Harry Potter | | <input type="checkbox"/> 57. Other non-HH children < 18 |
| <input type="checkbox"/> 5. | | <input type="checkbox"/> 58. Other non-HH adults 18 and older |
| <input type="checkbox"/> 6. | | |
| <input type="checkbox"/> 7. | | |
| <input type="checkbox"/> 8. | | |
| <input type="checkbox"/> 9. | | |
| <input type="checkbox"/> 10. | | |
| <input type="checkbox"/> 50. All household members | | |

| | Start | I/D | Activity | TIME | Hrs | Mins | Stop | Who | Who_2 | Where | Where specify |
|-----|--------|--------------------------|-----------------------------------|------|-----|------|--------|-----|-------|-------|---------------|
| [1] | 4:00AM | <input type="checkbox"/> | Sleeping | 2 | 3 | 0 | 7:00AM | | | | |
| [2] | 7:00AM | <input type="checkbox"/> | Grooming / listening to the radio | 2 | 0 | 30 | 7:30AM | | | | |
| [3] | 7:30AM | <input type="checkbox"/> | Preparing meals and snacks | 1 | 0 | 35 | 8:05AM | 3 | | 1 | Respondent's |
| [4] | 8:05AM | <input type="checkbox"/> | Yelling at Harry | 1 | | 45 | 8:50AM | 3,4 | | | |

And Where the Activity Took Place

Where were you while you were yelling at harry?

PLACE

MODE OF TRANSPORTATION

- | | |
|---|---|
| <input checked="" type="radio"/> 1. Respondent's home or yard | <input type="radio"/> 12. Car, truck, or motorcycle (driver) |
| <input type="radio"/> 2. Respondent's workplace | <input type="radio"/> 13. Car, truck, or motorcycle (passenger) |
| <input type="radio"/> 3. Someone else's home | <input type="radio"/> 14. Walking |
| <input type="radio"/> 4. Restaurant/Bar | <input type="radio"/> 15. Bus |
| <input type="radio"/> 5. Place of worship | <input type="radio"/> 16. Subway/Train |
| <input type="radio"/> 6. Grocery store | <input type="radio"/> 17. Bicycle |
| <input type="radio"/> 7. Other store/Mall | <input type="radio"/> 18. Boat/Ferry |
| <input type="radio"/> 8. School | <input type="radio"/> 19. Taxi/Limousine Service |
| <input type="radio"/> 9. Outdoors away from home | <input type="radio"/> 20. Airplane |
| <input type="radio"/> 10. Library | <input type="radio"/> 21. Other (specify) |
| <input type="radio"/> 11. Other place (specify) | |



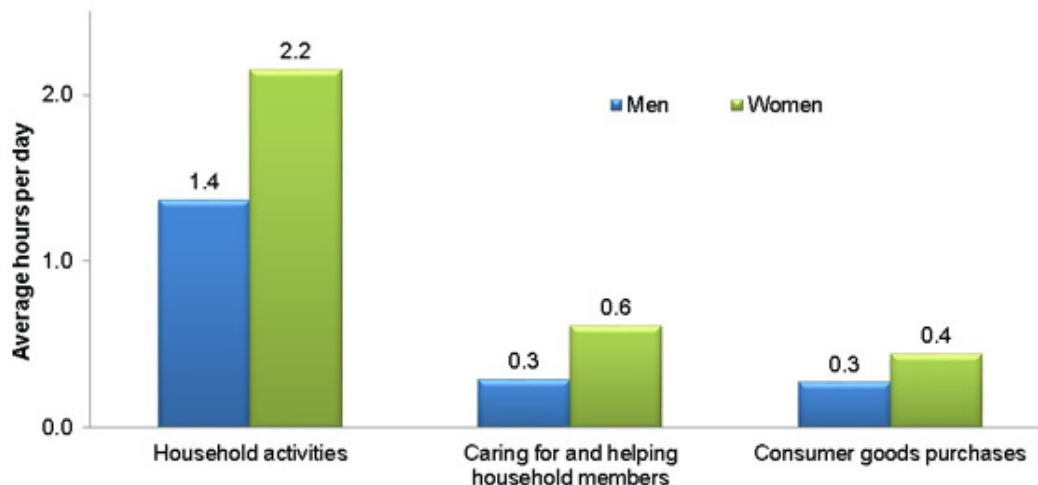
After the Interview, Data are Coded

- There are 17 main categories
- Example: 02 Household activities
 - ▶ 01 Housework
 - 01 Interior cleaning
 - 02 Laundry
 - 03 Sewing, repairing, & maintaining textiles
 - 04 Storing interior hh items, including food
 - 99 Housework, n.e.c.
 - ▶ 02 Food & drink prep., presentation, & clean-up
 - 01 Food & drink preparation
 - 02 Food presentation
 - 03 Kitchen & food clean-up

Interest and Applications Grew Quickly

- Lot of interest immediately
- Has grown as sample has built over time
- Time series
- Special topic modules
- Informing work, family, transportation, health policy and more

Average hours per day men and women spent in various activities



NOTE: Data include all noninstitutional persons age 15 and over. Data include all days of the week and are annual averages for 2014. Travel related to these activities is not included in these estimates.

SOURCE: Bureau of Labor Statistics, American Time Use Survey

For more information: Diane Herz dherz@mathematica-mpr.com



May 2, 2016

Childless Women's Time With Children

Research published in *Journal of Family Issues* 34(6) 828-853. (2013)

<http://jfi.sagepub.com/content/34/6/828>

Steven Martin, Urban Institute
Sarah Kendig, Arkansas State University

Who Cares?

- Informal child care is perhaps the most important part of the “unpaid economy”, and outside of immediate families we have little idea who is providing it.
- Delayed childbearing and permanent childlessness are increasing, *especially* among poor and lower-middle class working women.
- So who cares?
 - Policy makers estimating present and future needs of children in government services.
 - Anyone interested in the future of American families and divergent outcomes for middle-upper class versus poor and working class children.
 - Employers of childless women.

The research question

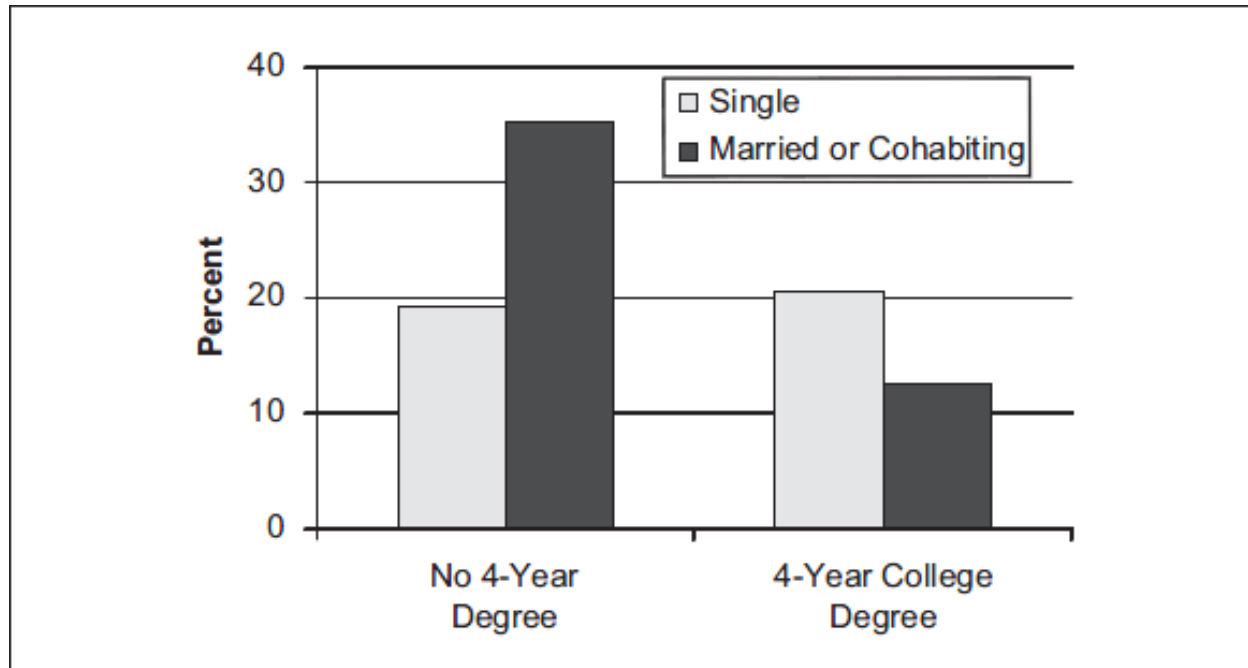
- How much time do women with no children of their own spend with children?
 - “No children of their own” means no biological children, no adopted children, no step-children.
 - In this study we focused on ages 25-45.
- Can we predict which women with no children of their own will spend time with children?
 - Educational attainment
 - Work schedules, especially overtime
 - Marriage and Union status

Basic Findings

- On a given day, 16.2% of US women age 25-45 with no children of their own, will spend time with children.
 - Average duration = 3 ½ hours.
- Education is an important predictor – the less education, the more likely a childless woman is to spend time with “non-own” children.
 - This is not because of differences in work schedules.
 - This is related to union status. Marriage and cohabitation matter, but in opposite ways for high education and low education childless women.

How union status matters

- Percent who report time with “non-own” children on a given diary day among US women age 25 to 45 with no “own” children.
- By union status and education



Thanks to those who made this work possible

- The authors gratefully acknowledge support from HHS–PHS/NIH–NICHD R03 Grant, “Women’s Economic Hardship and Childlessness.”
- Editors and anonymous peer reviewers at *Journal of Family Issues* provided important suggestions for improvement.
- Without the Current Population Survey and American Time Use Survey, this study could not have happened.

The American Time Use Survey: Informing policy

Rachel Krantz-Kent

Program manager

American Time Use Survey

U.S. Bureau of Labor Statistics

May 2, 2016

Bureau of Labor Statistics (BLS)

Mission Statement Highlights

- BLS measures labor market activity, working conditions, and price changes in the economy
- BLS collects, analyzes, and disseminates essential economic info to support public and private decision-making
- BLS provides products and services that are accurate, objective, relevant, timely, and accessible



How does the American Time Use Survey (ATUS) fit into the BLS mission?

ATUS helps us understand...

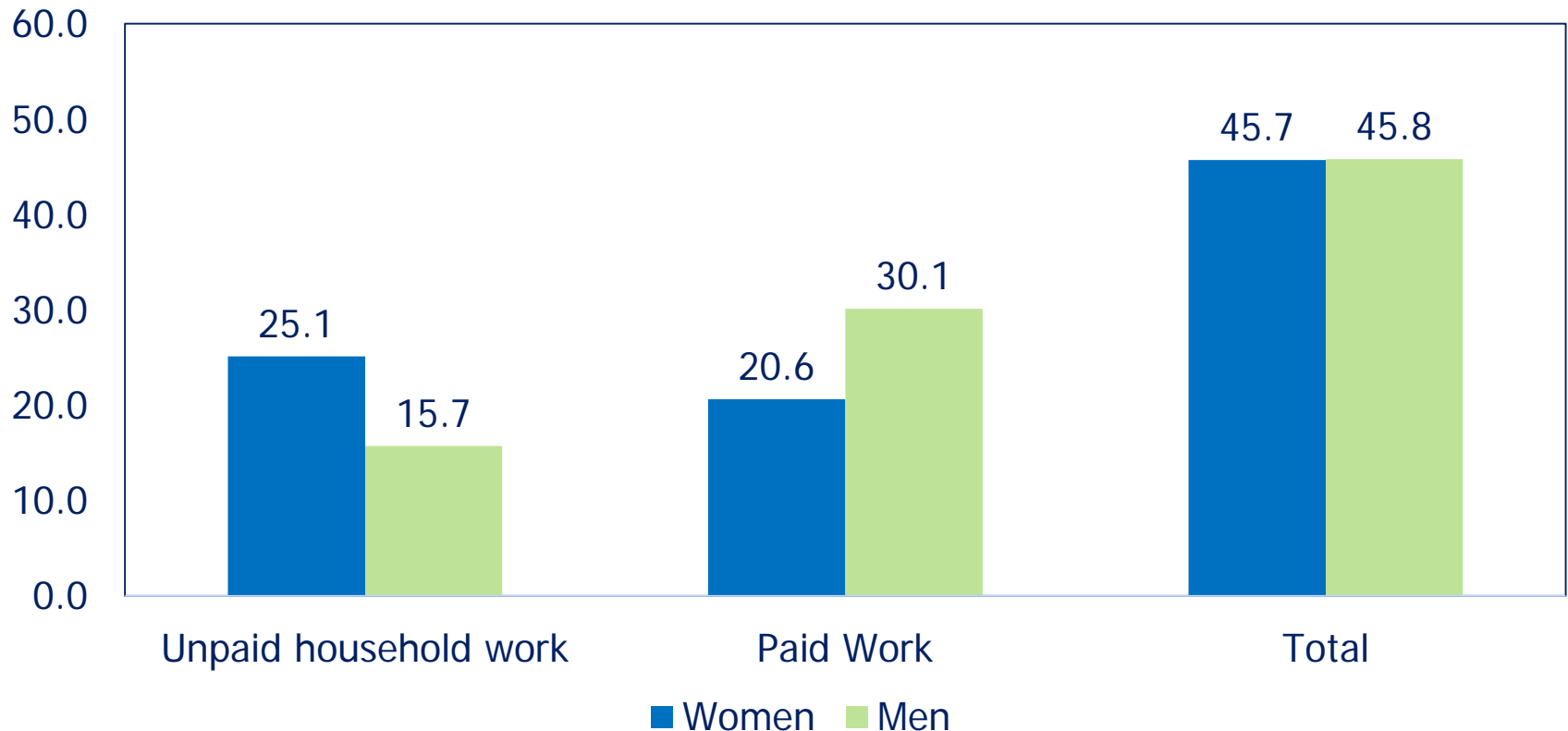
- How do employed people fit work into their day?
- When, where, and how do much employed people work?



Image from the creative commons on pixabay.

Using ATUS to understand and quantify the contributions of nonmarket work

Hours per week



Note: Data refer to all persons in the civilian noninstitutional population ages 15 and over, including those who were employed and those who were not employed.

Source: American Time Use Survey, 2014.



Using ATUS to understand food deserts



Image credited to R. Krantz-Kent.

- Food deserts: Low-income areas with few supermarkets or large grocery stores
- 2009 Congressional Report on food deserts using ATUS to:
 - Measure the time involved in traveling to a store to grocery shop
 - Provide context for grocery shopping experiences

Using ATUS to understand the sleep patterns of school-aged children



Image from the creative commons on pixabay.

- Sleep is important to children's cognitive development
- Study examined sleep patterns of elementary and middle school students

- Children ages 6-12 experience a cumulative sleep loss of nearly 3 hours by end of school week

Federal agencies have studied a variety of additional topics with ATUS data

- Food and eating patterns and obesity—*USDA Economic Research Service*
- Work hours—*Bureau of Labor Statistics*
- Travel and commuting—*Bureau of Transportation Statistics*
- Participation in the Arts—*National Endowment for the Arts*
- Volunteering—*Corporation for National and Community Service*
- Time use of older individuals—*Federal Inter-Agency Forum on Aging*
- Time use of young adults—*Federal Inter-Agency Forum on Child and Family Statistics*
- Workers' access to paid leave—*The Council of Economic Advisers*

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