

Maternal Household Services and Children<sup>♠</sup>

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Charles L. Baum II<sup>♠</sup>  
Professor of Economics  
Middle Tennessee State University

and

James D. Rodgers<sup>♥</sup>  
Professor Emeritus of Economics  
Pennsylvania State University

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<sup>♠</sup> Department of Economics and Finance, Box 27, Middle Tennessee State University, Murfreesboro, TN, 37132, (615) 898-2527, [charles.baum@mtsu.edu](mailto:charles.baum@mtsu.edu).

<sup>♥</sup> 237 Timberton Circle, Bellefonte, PA, 16823-9070, (814) 355-4944, [jdr@psu.edu](mailto:jdr@psu.edu).

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### Abstract

Forensic economists in wrongful death cases are often asked to calculate the present value of household services a decedent otherwise would have provided. In this paper, we calculate the amount of time mothers allocate to provide household services on average by the age of the youngest child and by the number of children using 2003-2013 American Time Use Survey (ATUS) data. Our results show that mothers with younger children and more children generally allocate more time for household services. We also calculate the extent to which failing to adjust for the age and number of children may underestimate or overestimate the pecuniary value of maternal household services. The information we provide will allow economists to adjust for the age of the youngest household child and for the number of children when calculating the present value of lost household production in wrongful death cases involving deceased mothers. This information also allows an assessment of the size of the error, if any, that arises from using the Dollar Value of a Day tables to estimate the loss of household services, in comparison to the loss using ATUS data more closely tailored to the case at hand.

Key Words: Household Services, Value of Life, Child Care, Time Allocation, and Labor Supply;

JEL Codes: J13, J17, J22

## I. Introduction

Forensic economists in wrongful death cases are often asked to calculate the present value of household services a decedent otherwise would have provided.<sup>1</sup> It may be difficult for surviving family members to quantify the amount of time the decedent typically spent (or would have spent) providing household services, so some economists base their calculations on time-use averages from survey data, such as that provided by the Bureau of Labor Statistics (2014a) (hereafter, BLS) or Expectancy Data (2014) in the Dollar Value of a Day (DVD).<sup>2</sup> Averages from these sources are provided for relatively broad demographic groups. For example, time-use averages from the BLS (DVD) are provided for mothers with children under the age of 6 (under the age of 13) and with children between the ages of 6 and 17 (between the ages of 13 and 17).<sup>3</sup> This may result in misleading estimates for mothers because research has shown their marketplace work varies substantially with the age of their youngest household child and with the number of children (Browning, 1992; Nakamura and Nakamura, 1994; Kimmel and

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<sup>1</sup> Economists will also likely be asked to calculate the present value of the lost financial support that would have been provided by the decedent to surviving family members.

<sup>2</sup> See Gauger and Walker (1980) and Ireland (2011) and a bibliography provided by Hicks et al. (1991) for information about resources economists commonly used to project lost household services before American Time Use Survey (ATUS) data was first collected in 2003.

<sup>3</sup> Noted in more detail below, DVD data also disaggregates mothers by marital and employment status (married versus single and employed full-time and part-time versus several other categories including being a homemaker). BLS news releases disaggregate into employed and nonemployed categories.

Connelly, 2007).<sup>4,5</sup> For example, BLS (2014b) data depicted in figure 1 by the authors shows mothers with relatively young children (e.g., under the age of 3) have consistently been less likely to participate in the labor force than mothers with older children. It follows that the amount of time mothers allocate to household services likely varies with the age and number of children as well.

In this paper, we examine mothers' allocation of time for household production and for caring for and helping household members by the age of the youngest child and by the number of household children using 2003-2013 American Time Use Survey (ATUS) data. First, we measure the extent to which household services<sup>6</sup> (i.e., household production plus caring for and helping other household members) varies with the age of the youngest household child. Then, we examine household services by the number of household children. In some cases, we attempt to disaggregate by both the age of the youngest child and by the number of children simultaneously. Last, we approximate the pecuniary value of household services for mothers in our disaggregated groups to identify the extent to which using the broader DVD demographic categories understate or overstate the value of household production. The National Association of Forensic Economists has identified "lost household services" as a topic most in need of additional research, and our results have important implications for forensic economists working

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<sup>4</sup> Gauger and Walker (1980) show for a sample of mothers in New York in the 1960s that household services vary in meaningful ways with the age and number of children.

<sup>5</sup> Ireland (2011) also raises this concern about DVD data.

<sup>6</sup> Existing BLS and DVD estimates differentiate between household production and caring for and helping other household members. Henceforth, we use the term "household services" to refer to both combined.

in this area (Martin, 2010). The information we provide will allow economists to adjust for the age of the youngest household child and by the number of children when calculating in the present value of lost household production in wrongful death cases involving a mother with household children. Such tailoring is not possible using DVD.

The remainder of the paper is structured as follows. In the next section, we review the economic theory that predicts time devoted to household services by mothers is affected by the age and number of household children. In section 3, we review existing evidence on maternal labor supply and household production in the literature. Section 4 describes the ATUS data, and section 5 presents our results. Section 6 offers a case example that describes the differences between estimates of the replacement value of household services using DVD, on the one hand, and the more detailed tables in this paper, on the other. This actual case provides a situation where using DVD data might be expected to lead to an understatement of the replacement value of household services. Section 7 concludes the paper by evaluating the extent to which DVD estimates accurately reflect the value of household services for mothers and the potential for our results to improve the accuracy of estimates of the present value of lost household services for deceased mothers in litigation.

## II. Theory

Economists typically use the traditional utility maximization framework to show how mothers allocate their time among marketplace work, household services, and leisure (Becker, 1974, 1991; Gronau, 1977). Household services includes chores around the house as well as caring for and helping other household and family members. Leisure includes recreational time, such as relaxing at home, and personal time needed for sleeping and eating. In this framework,

children increase the value of time spent at home (and the opportunity cost of marketplace work and leisure) for mothers (Blau, Winkler, and Ferber, 2013; Ehrenberg and Smith, 2015). In turn, the presence of children is predicted to increase the time a mother allocates to household services and to decrease leisure, marketplace work hours, or both.

Household production's value is predicted to decrease with the age of the youngest child. This may be because it becomes easier to swap household services provided by the mother with substitute goods and services purchased in the market as the child ages (Ehrenberg and Smith, 2015). Suitable child care may also be easier to find as the child ages. (For infants, the services provided by the mother may be difficult to replace.) The need for child care during the day is greatly diminished when children begin formal schooling, around age 6. In sum, economic theory predicts labor force participation and marketplace work hours for mothers will increase as children age and eventually leave the household.

### III. Literature Review

Economists have studied the labor market decisions of mothers extensively, and they agree that many women withdraw from the labor force to stay home with children shortly after giving birth (e.g., Leibowitz and Klerman, 1995; Cristia, 2008). However, many of these new mothers return to work relatively quickly, often within the first several months after giving birth (Klerman and Leibowitz, 1999; Baum, 2003), such that the labor force participation rates of mothers with relatively young children are not dramatically different than those rates for mothers with older children and for women who are not mothers. Gelbach (2002) finds the availability of public schools allow mothers with older children to increase marketplace work further (but Fitzpatrick's (2012) results only show this effect for single mothers). Unfortunately, these

studies typically do not separately examine how mothers use their time outside of the labor force, and they do not explore whether maternal household production remains relatively high after giving birth, even after returning to work in the labor market.

A number of studies also examine the labor force participation decisions for mothers by number of children (e.g., Willis, 1987; Browning, 1992; Nakamura and Nakamura, 1994). Several of these studies use twin births and birth gender as exogenous shocks to identify the causal effect of the number of children on maternal labor supply (Angrist and Evans, 1998; Jacobsen, Pearce, and Rosenbloom, 1999). These studies agree that marketplace work decreases with the number of children for most groups of mothers (e.g., single mothers). However, as with studies examining time use by age of youngest child, these studies do not separately examine different uses of non-market time.

As noted above, several BLS reports (BLS, 2014a) and DVD publications (Expectancy Data, 2014) provide summary time-use statistics for various demographic groups using ATUS data. Otherwise, only a couple of studies have recently examined how mothers in the United States allocate their non-market time across various uses outside the labor force.<sup>7</sup> Kimmel and Connelly (2007) use ATUS data to examine separately four categories of time use: home production, leisure activities, marketplace work, and child care time.<sup>8</sup> They find that married mothers and single mothers systematically differ in how they allocate their time. Kimmel and

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<sup>7</sup> Aguiar, Hurst, and Karabarbounis (2013) examine how time use varies over the business cycle using ATUS data.

<sup>8</sup> Winkler and Ireland (2009) use ATUS data to focus specifically on time spent in household management, and a portion of their analysis identifies how mothers allocate time to this activity.

Connelly provide empirical evidence supporting the theory's predictions that maternal time with children decreases with the age of the youngest child and increases with the number of household children.<sup>9</sup> Kimmel and Connelly assert that only a fraction of the increased child care time provided by mothers comes from reduced marketplace work. Instead, many mothers obtain extra time for child care by reducing their leisure time.

#### IV. Data and Methodology

We use ATUS data to examine how maternal time use varies with the age and number of children. ATUS data provides some of the most detailed information on non-marketplace time uses currently available. In addition, by using the same data, our estimates can be directly compared to widely-referenced BLS reports and DVD publications.

The ATUS was first administered by the U.S. Census Bureau in 2003, and it has since been conducted on an annual basis. Survey respondents are taken from the outgoing rotation files of the Current Population Survey (CPS) and must be at least 15 years of age, unincarcerated (and not living in nursing homes), and from civilian households. By 2013, 148,345 such individuals had been surveyed by the ATUS. ATUS respondents are interviewed only once, typically several months after completing their eighth and final CPS interview, over the telephone. Respondents are asked for a detailed account of their activities from 4:00 a.m. the prior day to 4:00 a.m. on the interview date, identifying the amount of time spent in each activity. Seventeen major time-use categories are provided, each with two additional tiers of categories from a three-level time-use classification system. Saturdays and Sundays are

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<sup>9</sup> Ramey and Ramey (2010) specifically examine maternal child care time, and they show that it has increased since the mid-1990s after declining for decades.



oversampled in essentially equal proportion to weekdays. The ATUS provides sampling weights that allow the researcher to identify time uses for a typical day (with each day equally weighted), and we use these to adjust for oversampling of Saturdays and Sundays in our analysis.

In DVD reports, time-use activities are grouped into 5 major categories comprised of 27 detailed activities.<sup>10</sup> These are (i) household production, comprised of time allocated to inside housework; food cooking, and clean-up; pets, home, and vehicles; household management; shopping; obtaining services; and travel for household activity; (ii) caring and helping, which is comprised of time allocated for household children; household adults; non-household members; travel for household members; and travel for non-household members; (iii) personal time, comprised of time devoted to eating and drinking; personal health care; grooming; sleeping; private, personal, or other activities; (iv) leisure, comprised of socializing; passive leisure; active leisure; attendance leisure; religious activities; volunteering; and travel related to leisure; and (v) work and education, comprised of working at a job, educational activities, and commuting to work or school (Expectancy Data, 2014). In our analysis, we examine “household production” and “caring and helping” (household and non-household children, adults, and members), defining each as in DVD publications. We consider only a unit of time’s primary activity.

The ATUS also collects basic demographic data, including information on each respondent’s gender, marital status, employment status, and children. In particular, the ATUS identifies the age of the respondent’s youngest child and the number of children under the age of 18. With this information, we are able to categorize mothers by marital status (e.g., married and

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<sup>10</sup> Reports generated by the BLS provide summary statistics for many, but not all, of the same time-use categories (BLS, 2014a).

single) and by employment status (full-time employment, part-time employment, and being a homemaker), as in the DVD publications. In those publications, full-time employment is defined as working 35 or more hours per week and part-time employment is 1 to 35 hours per week. Henceforth, we use the following abbreviations to identify each marital-employment status category for mothers:

- MFT: married and employed full-time,
- MPT: married and employed part-time,
- MH: married and a homemaker,
- SFT: single and employed full-time,
- SPT: single and employed part-time, and
- SH: single and a homemaker.

Other labor force states, such as being retired or disabled, are identified in ATUS data and are examined in DVD reports, but we do not separately examine them because they contain substantially fewer mothers than the other employment categories.

The ATUS provides the information needed to disaggregate mothers by the age of their youngest child and by the number of children. We separately examine mothers in each marital-employment category whose youngest child is aged 0 through 17. We also separately examine mothers in each marital-employment category with only one child, two children, and three or more children. Both disaggregations offer the potential to build upon the literature because, as noted above, DVD estimates separately identify mothers (by marital and employment status) whose youngest child is less than 13 and mothers whose youngest child is 13 to 17 years of age, and BLS reports separately identify mothers (by employment status) whose youngest child is less

than 6 and mothers whose youngest child is aged 6 to 17. Neither disaggregates by the number of household children. In a portion of the analysis, we also attempt to disaggregate simultaneously by age of youngest child and number of children.

The DVD reports calculate the market value of household services by multiplying the amount of time spent in each time-use category on average by a corresponding wage rate from related occupations. The wages DVD applies to generate these values are based on average U.S. wages. This information is provided by the BLS through their report on Occupational Employment Statistics (OES) (BLS, 2014c). To these wages, DVD adds the cost of corresponding government-mandated employment benefits (but not other employment benefits provided voluntarily by employers). We use year-2013 wages provided in the year-2014 DVD report when valuing maternal household services.

## V. Results

As we begin our analysis, we verify that our statistical procedure is consistent with that used for the DVD publications by reproducing the amount of time spent per week in the seven “household production” time-use categories and in the five “caring and helping” categories for key groups of mothers. We also sum the time spent in these categories to identify the total amount of time allocated to household production and the total amount of time allocated to caring and helping. We present our calculations in table 1. In that table, we also report the number of ATUS respondents used for each group’s averages. The key groups of mothers we examine are: MFT mothers with children under the age of 13 (2013 DVD table 60), MFT mothers with children aged 13-17 (2013 DVD table 63), MPT mothers with children under the age of 13 (2013 DVD table 82), MPT mothers with children aged 13-17 (2013 DVD table 83),

MH mothers with children under the age of 13 (2013 DVD table 103), MH mothers with children aged 13-17 (2013 DVD table 104), SFT mothers with children under the age of 13 (2013 DVD table 156), SFT mothers with children aged 13-17 (2013 DVD table 157), SPT mothers with children under the age of 18 (2013 DVD table 163), and SH mothers with children under the age of 18 (2013 DVD table 173). A close inspection shows that our results match those published by Expectancy Data.

#### A. Maternal Time Use by Age of Youngest Child, Ages 0 to 12

First, we separately examine maternal time use by age of the youngest child, separately considering ages 0 (e.g., less than 1 year) through 12.<sup>11</sup> Using the same format as in table 1, we present the average amount of time allocated to various types of household production and to various activities helping and caring for other household children and adults and non-household members. We also provide total time allocated to household production, caring and helping, and both. Table 2 displays results for MFT mothers, table 3 for MPT mothers, table 4 for MH mothers, and tables 5, 6, and 7 for single mothers who are employed full-time, employed part-time, and homemakers. For comparison purposes, the first column of results in each table presents average time allocations for the mothers combined (e.g., from combining the mothers in a particular marital-employment category whose youngest child is under the age of 13).

Results in table 2 for MFT mothers show that time spent caring and helping is significantly greater for those with younger children. Caring and helping time decreases as the youngest child ages. As expected, this is almost exclusively driven by the caring and helping

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<sup>11</sup> We separately examine youngest-child ages from 0 to 12 and from ages 13 to 17 because this is how ages are combined in DVD calculations.

category for household children. If anything, time allocated to household production is lower for mothers with relatively young children and increases with the age of the youngest child.

Examining separate household production categories, inside housework is more sensitive to the age of the youngest child than some of the other household-production categories are. Results in table 2 suggest new mothers who are married and working full-time find additional time to spend caring for and helping household children partially by decreasing time allocated otherwise to inside housework but not by decreasing time for food cooking and cleanup. Considering household production and caring and helping together, maternal household services are decreasing in the age of the youngest child, from almost 44 weekly hours when the child is under the age of 1 to a bit over 29 hours when the youngest child is 12, which is a decrease of 15 weekly hours. About 10 hours of this 15-hour decrease occurs between age 0 and age 3.

The trends described above are also found for the other five groups of mothers, as presented in tables 3 – 7, although these trends are most dramatic for MFT mothers. For example, the decrease in weekly household service hours for MPT mothers is about 8 hours as the youngest child ages from 0 to 12. This decrease for MH mothers is around 10 weekly hours. Trends are weakest for SH mothers. Otherwise, homemaker mothers provide more household services than employed mothers, and MPT mothers provide more household services than MFT mothers. Married mothers allocate more time to household services than their single counterparts.

#### B. Maternal Time Use by Age of Youngest Child, Ages 13 to 17

Next, we repeat our analysis for mothers whose youngest child is 13 through 17 years of age. Results for the six groups of mothers are presented in tables 8 through 13. In these tables,

we again find evidence for married mothers that maternal time allocated to caring and helping declines with the age of the youngest child. For MFT mothers, MPT mothers, and MH mothers, maternal time providing household services (considering household production and caring and helping jointly) decreases by 3.1, 4.7, and 7.8 weekly hours as the youngest child ages from 13 to 17 years. Results for single mothers are less conclusive, although there is some evidence that they, too, spend less time caring for and helping household children as they age from 13 to 17. Unfortunately, the sample sizes, particularly for SH mothers, are relatively small. The change in time allocated to combined household services changes by less than 1 hour per week for single employed mothers as their youngest child ages from 13 to 17. Otherwise, married mothers continue to allocate more time to both household services than their single counterparts.

### C. Maternal Time Use by Number of Household Children

Next, we repeat our analysis disaggregating by the number of household children (instead of by the age of the youngest child). The categories we consider are mothers with one child, two children, and three or more children. Following the same format as before, table 14 presents results for MFT, MPT, and MH mothers and table 15 presents results for SFT, SPT, and SH mothers. DVD publications do not provide time-use information by the number of children (other than to distinguish between those with and without children), so we compare our results disaggregated by the number of children to combined categories of mothers by marital-employment status with (any) children under the age of 18.

Results in tables 14 and 15 show that maternal caring and helping time increases noticeably with the number of children between about 3.5 hours (for SH mothers) and almost 7 hours (for MH mothers) per week when the number of household children increases from one to

three or more. Again, much of this appears to be driven by caring for and helping household children (rather than for other family members). This is true without exception for both single and married mothers, regardless of employment status. Maternal time devoted to household production also increases with the number of children. This is different than our findings by age of youngest child, where some of the additional maternal time allocated for caring and helping seemed to come from household production. Therefore, when considering household production and caring and helping jointly, maternal household services increase as much as 10 hours per week (for MH mothers) as the number of household children increase from one to three or more.

#### D. Potential Measurement Error

Although maternal time use systematically varies with the age and number of children, it is not yet clear whether the pecuniary value of this variance is meaningful. We next explore how the monetary value of maternal household services varies with children. To do this, we first approximate the value of the time mothers spend providing household services by age of youngest child and by the number of children. Then, we compare these amounts to the value of household services available from the broader DVD categories. We use the year-2013 national hourly wage rates provided for each time-use category in the most recently-released DVD edition (so that differences are not due to using different wages). Our results are presented in table 16 for mothers whose youngest child is under the age of 13, in table 17 for mothers whose youngest child is aged 13 to 17, and in table 18 for mothers by number of children. The tables list the approximated pecuniary value of household services and the percent difference between this value and the value available with the broader DVD categories. Negative percentages indicate using value for the respective broader category underestimates the value of household services and positive percentages indicate the extent of an overestimate.

Considering the percent differences in table 16, approximating the value of household services using mothers whose youngest child is under the age of 13 significantly underestimates this value for mothers with relatively young children. For example, using averages from the aggregated categories underestimates the value of household services for mothers whose youngest child is under the age of 3 in each of the six marital-employment status categories. The magnitude of this underestimate for mothers with a child under the age of 1 ranges from 4.5% (for SFT mothers) to 31.5% (for MFT mothers). The propensity to underestimate the value of household services declines as the youngest child ages. By age 8 for each group of married mothers, using the aggregated category of mothers with a child under the age of 13 overestimates the value of household services. Using the aggregated DVD category overestimates the value of household services between 11% and 22% for four of the six categories of mothers whose youngest child is 12 years of age. Using the broader sample of mothers is most accurate for mothers whose youngest child is at an age in the middle of the range (say, age 5 or 6).

Table 17 shows the percent differences in the monetary value of household services for mothers whose youngest child is 13 to 17 years of age. For married mothers, using the broader DVD category underestimates the value of household services of relatively young ages (e.g., age 13) and overestimates this value at older ages (e.g., age 17). Any pattern for single mothers is more difficult to detect.

In table 18, we present percent differences between the pecuniary value of household services for mothers disaggregated by the number of household children (under the age of 18) and for all mothers (with any children under the age of 18) combined. Noted above, DVD publications do not actually provide time-use information for some of these aggregate categories, so our results show the potential to underestimate or overestimate the value of household



services from using aggregated data in general, not specifically from using information provided by DVD publications. Using our aggregated categories overestimates the value of household service for mothers with only one child—by as much as 10.5% for MH married mothers—but underestimates this value for mothers with three or more children—by as much as 11.9% for SFT mothers.

#### E. Other Estimates

We also attempt to disaggregate our results further by repeating the analysis for the six marital-employment categories of mothers simultaneously by age of youngest child and by number of household children. We find some interesting results, but for some groups, our results are noticeably more variable—perhaps due to relatively smaller sample cell sizes, particularly for single mothers. Some of the categories are not technically feasible. For example, a household whose youngest child is 17 could not contain three or more children under the age of 18. As a result of these caveats, we suggest caution when using these disaggregated results. A full set of results showing the amount of time allocated per week to each time-use category for mothers with only one child, with two children, and with three or more children by marital-employment status and age of youngest child is shown in tables 19 through 24. We also include a table (table 25) that presents the percent difference in the value of household services for selected disaggregated categories of mothers—those whose youngest child is under the age of 13—when compared to the appropriate, broader category available in DVD publications. Selected disaggregated groups are compared to the appropriate broader group of mothers with the same marital-employment status whose youngest child is under the age of 13. Using the same format as before, negative percentages indicate underestimates from using the broader categories of mothers and positive percentages indicate overestimates.

Presented in table 25, results show that DVD estimates tend to understate the value of household services for mothers with relatively young children and multiple children and overstate household service values for mothers with older children and fewer children. Results are mixed for mothers with fewer but younger children and for mothers with older but multiple children. For example, DVD publications overestimate the value of household services for MH mothers with only one child, regardless of that child's age. The same is almost always true for MFT and MPT mothers. In another example, DVD estimates understate the value of household services for SPT mothers with children under the age of 5 (and overstate the value for SPT mothers with children over the age of 6) regardless of the number of children. For MFT and MPT mothers, DVD estimates understate the value of household services for mothers with infants regardless of the number of children. In fact, the underestimates for employed married mothers are some of the largest (in absolute value) in the table. Results are less conclusive for SFT and SH mothers.

## VI. A Case Example

This paper was motivated in part by an actual case for which one of the authors (Rodgers) was retained. The case involved the death of a married mother of three young children. All the children were under the age of six at the time of the mother's death. The dates of birth of the deceased mother, her husband and her three children are shown in Case Example Table 0. The woman died shortly after the birth of her third child. She was on maternity leave from her place of employment at the time of her death. She planned to return to work on a part-time basis three months after the birth of her youngest child, and to return to work on a full-time basis when her youngest child reached 6 years of age. If preparing the estimate of the loss of household services in this case, there was a concern that using the tables in DVD would underestimate the loss of

household services because DVD does not adjust for the number of children, except as a “some or none” option, and does not adjust for the age of the children except in two very broad age brackets, age 0-12 and age 13-17.

The table titled “Summary Results for Sample Case” shows the specific situations and data that were used to compare the loss of household services using: 1) DVD; 2) the detailed year-by-year-age-of-youngest-child data shown in Tables 2, 3, 4 and 8; 3) the detailed number-of-children-under-age-18 data, shown in Table 14; and 4) the detailed year-by-year-age-of-youngest-child data simultaneously with the detailed number-of-children-under-age-18 data, shown in Tables 19, 20 and 21. The “Summary Results for Sample Case” table describes each of the situations through which it is assumed the family would have lived until the youngest child reached the age of 18. It is assumed that the mother’s employment situation would have changed at the end of three months of maternity leave from being a married mother and homemaker to being a married mother employed part-time. When the youngest child reaches age 6, it is assumed that the employment status of the mother would have changed again from part-time to full-time. In addition to these employment changes for the mother, the age of the youngest child would have changed on the youngest child’s birthday each year. And, finally, the number of children under age 18 would have changed over the course of time as the older siblings reached age 18, with the number of children declining from 3 to 2 and then from 2 to 1. When all of these separate situations are identified, there are 21 in all for which calculations are needed so that the comparisons with DVD can be made. The detail of each of the calculations is shown in Case Example Tables 1 to 21, which appear in the Appendix.

The time spent performing both a) household work and b) caring and helping for household members, are used in the estimates. However, the time spent in caring and helping for

non-household members is excluded from the estimates because such non-household members are unlikely to be named plaintiffs in wrongful death litigation. Hence, even though the amount to time accounted for by caring and helping of non-household members is usually quite small, excluding it was judged to be required to avoid having the loss estimates tainted by including damages that cannot be claimed by the plaintiff.

The results of this specific case example are first described for the period up through when the youngest child is age 12, which allows comparison of data from DVD with the data in the tables of this paper. The results are shown for a “total offset” assumption and for assumptions that the net discount rate is, alternatively, 1% and 2%. Focus first on the “total offset” results. The detailed year-by-year-age-of-youngest-child data gives a total offset value through age 12 of \$308,390, which is about 3.4% less than the amount using DVD (\$319,321). The detailed number-of-children-under-age-18 data gives a total offset value through age 12 of \$338,732, which is about 6.1% in excess of the DVD estimate. Finally, the detailed year-by-year-age-of-youngest-child data simultaneously with the detailed number-of-children-under-age-18 data, arguably the data that is the best tailored to the situation described by the case facts, shows an estimate of \$334,890, which is about 4.9% in excess of the DVD-base estimate. The results when present values are computed using a net discount rate of 1% and 2% have a similar pattern but the percentage difference between the DVD estimate and the most best tailored data becomes larger when the net discount rate is increased, from 4.9% with total offset to 5.1% with a 1% net discount rate, to 5.4% with a 2% net discount rate.

When the youngest child is age 13-17, the total offset estimate using the detailed year-by-year-age-of-youngest-child data (\$86,329) is virtually identical to the estimate using DVD (\$86,478). However, the estimate using the detailed number-of-children-under-age-18 data

(\$100,944) is 16.7% greater than the DVD-based estimate. The estimate using the detailed year-by-year-age-of-youngest-child data simultaneously with the detailed number-of-children-under-age-18 data is about 2.6% higher than the DVD-based estimate. Very similar percentage relationships are observed when present values are computed using discount rates of 1% and 2%.

Considering the estimates over the entire period that there is a child under age 18 in the household, the estimates using DVD are between 2-3% greater than the estimates using the detailed age-of-youngest child data. However, the estimates using the detailed number-of-children-under-age-18 data are about 8% greater than the DVD estimates. The estimates using the most detailed data are about 2.9% to 3.4% greater than the DVD estimates (depending on the net discount rate), suggesting a rather modest understatement using DVD rather than the ATUS data best tailored to the case.

### Conclusions

Using ATUS data from 2003 through 2013, we show that maternal time uses vary in meaningful ways with the age of the youngest child and with the number of children. In sum, for most of the demographic groups of mothers we examine, time allocated to caring and helping household children decreases sharply with the age of the youngest child and increases with the number of children. Maternal household production time is less sensitive to the age and number of children, but some evidence suggests mothers find additional time for caring for and helping others from time otherwise allocated to household production. When maternal time allocated to household production and to caring for and helping others are combined, mothers with younger children and more children provide more household services.

Our findings have important implications for forensic economists. Time-use summaries provided by BLS reports and in DVD publications, with relatively broadly defined demographic groups, potentially understate the value of household services for mothers with infants and relatively young children and with multiple children (and potentially overstate the value of household services for mothers with teens and older children and with relatively few children). For example, we report numerous instances when the value of household services would be under- or over-estimated between 10 and 25% when using aggregated data. On the other hand, in the sample case, the extent of the overstatement over the entire period when any children were in the home was relatively modest. Regardless, the BLS reports and DVD publications, based on ATUS data, represent a major advance for forensic economists tasked with calculating the value of lost household services in wrongful death cases. The information on household services provided in this manuscript may provide additional assistance for forensic economists specifically examining the value of lost household services for deceased mothers.

A limitation of our analysis is that some of the disaggregated categories of mothers examined contain relatively few observations, making the sample means for household services we provide susceptible to small-sample bias. This is particularly true for SH mothers. Nevertheless, our results provide the forensic economist the information needed to combine categories, as deemed necessary, to create larger samples (but the aggregated data published in BLS reports and DVD publications cannot be disaggregated by the age or number of children without additional information not currently provided). For example, SH mothers from several youngest-child age categories could be combined, using the sample sizes we provide to weight the resulting aggregated sample household service means.

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Table 1: Time Use Replication of DVD Results for Mothers

Time Use Category										
Inside Housework	5.98	6.17	7.82	9.00	10.83	13.53	4.86	5.58	3.87	9.15
Food Cooking & Clean-Up	5.69	5.76	7.02	7.10	10.32	10.48	4.21	3.93	2.94	7.59
Pets, Home & Vehicles	1.45	2.32	1.80	2.52	1.97	4.05	0.98	1.47	0.98	1.18
Household Management	1.05	1.22	1.40	1.71	1.30	1.95	0.96	1.24	0.91	1.25
Shopping	3.22	3.51	3.79	4.59	4.21	4.92	2.95	3.11	3.02	2.96
Obtaining Services	0.10	0.09	0.12	0.12	0.15	0.31	0.13	0.15	0.06	0.17
Travel for Household Activity	2.17	2.47	2.38	2.93	2.57	3.36	2.16	2.34	2.19	2.25
Household Production	19.67	21.56	24.34	27.98	31.35	38.59	16.25	17.83	13.97	24.56
Household Children	10.75	2.46	14.20	3.44	19.12	5.93	7.83	2.12	4.55	13.83
Household Adults	0.13	0.21	0.20	0.14	0.20	0.39	0.10	0.07	0.14	0.43
Non-Household Members	0.48	0.94	0.52	1.09	0.58	1.31	0.69	0.95	0.80	1.06
Travel for Household Members	1.85	1.21	2.15	1.69	2.22	2.23	1.81	1.03	0.89	1.44
Travel for Non-Household Members	0.34	0.37	0.29	0.39	0.30	0.48	0.44	0.50	0.62	0.35
Caring and Helping	13.56	5.19	17.36	6.76	22.43	10.35	10.87	4.69	6.99	17.11
Total	33.23	26.74	41.70	34.74	53.78	48.94	27.12	22.51	20.97	41.67
ATUS Respondents in 2003-2013	9,195	2,237	4,003	755	5,868	546	4,650	1,487	2,582	1,055
2013 DVD Table	60	63	82	83	103	104	156	157	163	173
Marital Status	Married	Married	Married	Married	Married	Married	Single	Single	Single	Single
Employment Status	Full	Full	Part	Part	Home	Home	Full	Full	Part	Home
Age of Youngest Child	Under 13	13-17	Under 13	13-17	Under 13	13-17	Under 13	13-17	Under 18	Under 18

Source: American Time Use Survey (ATUS) data provided by the Bureau of Labor Statistics. Statistics are sample averages for weekly time-uses.

Table 2: Time Uses for Married Mothers Employed Full-Time (MFT)

Time Use Category														
Inside Housework	5.98	5.81	4.73	5.64	5.73	5.82	6.58	6.39	5.88	6.61	6.80	6.57	5.78	6.55
Food Cooking & Clean-Up	5.69	5.73	5.39	5.36	5.83	5.58	6.01	5.69	6.04	5.89	5.67	5.91	5.71	5.56
Pets, Home & Vehicles	1.45	0.89	1.00	1.10	1.45	1.21	1.20	1.43	1.64	1.80	1.61	2.11	2.01	2.45
Household Management	1.05	1.26	0.80	1.23	0.98	0.93	0.92	0.92	1.12	1.41	1.02	1.16	0.92	0.95
Shopping	3.22	3.20	3.18	3.08	3.04	2.86	3.19	2.98	3.38	3.22	3.29	3.63	3.76	3.36
Obtaining Services	0.10	0.15	0.05	0.07	0.10	0.09	0.07	0.07	0.21	0.13	0.06	0.06	0.10	0.20
Travel for Household Activity	2.17	2.10	1.99	2.12	2.13	2.22	2.06	2.12	2.16	2.04	2.16	2.01	2.66	2.55
Household Production	19.67	19.14	17.15	18.61	19.26	18.71	20.02	19.60	20.44	21.11	20.62	21.44	20.95	21.62
Household Children	10.75	22.41	15.31	11.96	10.94	9.66	8.60	9.26	8.20	7.30	6.10	6.39	5.25	4.52
Household Adults	0.13	0.11	0.16	0.07	0.14	0.16	0.10	0.06	0.08	0.11	0.28	0.13	0.09	0.17
Non-Household Members	0.48	0.39	0.35	0.48	0.21	0.83	0.35	0.27	0.62	0.34	0.55	0.48	1.06	0.65
Travel for Household Members	1.85	1.70	2.02	2.03	2.26	2.08	2.00	1.68	1.66	1.60	1.78	1.68	1.65	1.64
Travel for Non-Household Members	0.34	0.22	0.26	0.45	0.31	0.35	0.45	0.26	0.44	0.27	0.31	0.41	0.42	0.44
Caring and Helping	13.56	24.82	18.09	15.00	13.86	13.08	11.50	11.54	11.00	9.61	9.02	9.10	8.47	7.43
<b>Total</b>	<b>33.23</b>	<b>43.97</b>	<b>35.24</b>	<b>33.61</b>	<b>33.12</b>	<b>31.79</b>	<b>31.52</b>	<b>31.13</b>	<b>31.43</b>	<b>30.72</b>	<b>29.64</b>	<b>30.54</b>	<b>29.41</b>	<b>29.06</b>
ATUS Respondents in 2003-2013	9,195	987	961	846	829	703	649	629	655	593	634	578	564	567
Age of Youngest Child	<13	0	1	2	3	4	5	6	7	8	9	10	11	12

Source: American Time Use Survey (ATUS) data provided by the Bureau of Labor Statistics. Statistics are sample averages for weekly time-uses.

Table 3: Time Uses for Married Mothers Employed Part-Time (MPT)

Time Use Category														
Inside Housework	7.82	6.40	6.63	7.02	7.78	8.21	7.46	8.84	8.37	7.57	9.14	9.74	8.79	8.90
Food Cooking & Clean-Up	7.02	6.82	6.75	6.67	7.39	6.41	6.40	7.81	7.81	6.58	6.90	7.63	6.81	8.03
Pets, Home & Vehicles	1.80	0.79	1.64	1.35	1.11	1.85	1.67	1.91	2.36	1.54	2.06	3.01	2.46	3.27
Household Management	1.40	1.33	0.99	1.56	1.46	1.23	1.48	1.38	1.95	1.34	1.22	1.29	1.57	1.87
Shopping	3.79	2.99	3.28	3.80	3.58	4.18	4.37	3.56	4.26	3.48	3.70	4.44	4.70	4.32
Obtaining Services	0.12	0.13	0.15	0.07	0.19	0.23	0.11	0.06	0.11	0.06	0.07	0.08	0.16	0.11
Travel for Household Activity	2.38	2.10	2.17	2.23	2.29	2.51	2.41	2.36	2.60	2.69	2.54	2.39	2.71	2.78
Household Production	24.34	20.56	21.61	22.71	23.80	24.61	23.90	25.92	27.46	23.26	25.64	28.58	27.20	29.28
Household Children	14.20	25.22	19.30	17.44	15.17	11.71	12.06	12.72	11.63	9.59	9.33	7.63	8.50	6.70
Household Adults	0.20	0.10	0.22	0.15	0.15	0.19	0.31	0.39	0.19	0.21	0.08	0.15	0.20	0.33
Non-Household Members	0.52	0.66	0.26	0.60	0.23	0.64	0.65	1.03	0.46	0.67	0.23	0.28	0.43	0.78
Travel for Household Members	2.15	1.40	1.84	1.97	2.40	2.21	2.46	2.57	2.52	1.83	2.51	2.16	2.25	2.71
Travel for Non-Household Members	0.29	0.20	0.24	0.28	0.16	0.37	0.17	0.40	0.40	0.33	0.21	0.41	0.26	0.52
Caring and Helping	17.36	27.58	21.87	20.43	18.11	15.11	15.66	17.11	15.20	12.63	12.36	10.62	11.64	11.04
<b>Total</b>	<b>41.70</b>	<b>48.15</b>	<b>43.47</b>	<b>43.14</b>	<b>41.91</b>	<b>39.72</b>	<b>39.57</b>	<b>43.04</b>	<b>42.66</b>	<b>35.89</b>	<b>38.00</b>	<b>39.20</b>	<b>38.84</b>	<b>40.33</b>
ATUS Respondents in 2003-2013	4,003	383	475	415	345	323	302	297	280	276	247	226	223	211
Age of Youngest Child	<13	0	1	2	3	4	5	6	7	8	9	10	11	12

Source: American Time Use Survey (ATUS) data provided by the Bureau of Labor Statistics. Statistics are sample averages for weekly time-uses.

Table 4: Time Uses for Married Homemaker Mothers (MH)

Time Use Category														
Inside Housework	10.83	9.44	9.48	10.70	11.63	12.05	12.01	11.89	12.09	12.00	10.35	12.83	10.00	12.86
Food Cooking & Clean-Up	10.32	9.81	10.44	10.45	10.60	10.07	9.72	10.20	11.18	10.42	11.33	11.20	9.26	10.25
Pets, Home & Vehicles	1.97	1.18	1.25	1.77	2.36	2.12	2.23	2.04	2.49	3.01	1.97	2.55	4.25	3.73
Household Management	1.30	1.30	1.03	1.44	1.13	1.11	1.24	1.09	1.09	1.67	1.74	1.82	1.82	1.95
Shopping	4.21	3.88	4.11	4.09	3.93	4.34	4.37	4.85	4.38	3.73	4.87	4.69	5.00	4.72
Obtaining Services	0.15	0.13	0.13	0.15	0.08	0.10	0.11	0.15	0.28	0.09	0.11	0.28	0.42	0.15
Travel for Household Activity	2.57	2.37	2.33	2.61	2.44	2.22	2.53	2.66	2.60	2.67	2.89	3.66	3.85	3.05
Household Production	31.35	28.11	28.77	31.21	32.16	31.99	32.21	32.88	34.11	33.58	33.25	37.03	34.60	36.72
Household Children	19.12	26.24	23.99	20.54	19.31	17.19	16.29	16.24	13.11	12.24	11.28	12.05	9.57	7.01
Household Adults	0.20	0.31	0.11	0.29	0.08	0.23	0.14	0.24	0.25	0.08	0.14	0.20	0.10	0.38
Non-Household Members	0.58	0.40	0.51	0.43	0.34	0.54	0.59	0.63	1.26	0.93	1.06	0.62	1.01	0.66
Travel for Household Members	2.22	1.64	1.92	1.84	2.09	2.38	3.07	3.05	2.50	2.65	3.18	2.77	2.67	2.14
Travel for Non-Household Members	0.30	0.29	0.18	0.23	0.18	0.31	0.29	0.43	0.47	0.48	0.35	0.40	0.58	0.39
Caring and Helping	22.43	28.88	26.72	23.34	22.01	20.65	20.38	20.58	17.58	16.39	16.01	16.03	13.92	10.57
<b>Total</b>	<b>53.78</b>	<b>56.99</b>	<b>55.49</b>	<b>54.55</b>	<b>54.17</b>	<b>52.64</b>	<b>52.59</b>	<b>53.46</b>	<b>51.69</b>	<b>49.97</b>	<b>49.26</b>	<b>53.06</b>	<b>48.52</b>	<b>47.29</b>
ATUS Respondents in 2003-2013	5,868	962	957	754	563	490	387	350	342	262	237	219	202	143
Age of Youngest Child	<13	0	1	2	3	4	5	6	7	8	9	10	11	12

Source: American Time Use Survey (ATUS) data provided by the Bureau of Labor Statistics. Statistics are sample averages for weekly time-uses.

Table 5: Time Uses for Single Mothers Employed Full-Time (SFT)

Time Use Category															
Inside Housework	4.86	4.12	4.23	4.82	4.67	4.46	4.50	6.01	5.22	4.76	4.93	5.87	5.27	4.79	
Food Cooking & Clean-Up	4.21	3.65	3.78	4.30	3.60	4.25	4.61	4.82	4.59	3.84	4.36	5.30	4.08	3.94	
Pets, Home & Vehicles	0.98	0.41	0.62	1.06	0.69	1.01	1.10	0.71	0.99	0.65	1.41	1.76	1.26	1.38	
Household Management	0.96	0.62	0.92	0.66	0.84	0.60	0.82	0.94	1.50	1.55	1.02	1.09	1.25	0.89	
Shopping	2.95	2.87	2.78	2.90	3.85	2.75	2.79	2.62	3.32	2.48	2.76	3.10	2.93	3.03	
Obtaining Services	0.13	0.01	0.25	0.08	0.09	0.02	0.27	0.21	0.12	0.13	0.18	0.07	0.25	0.10	
Travel for Household Activity	2.16	1.62	1.77	2.13	2.22	1.90	1.92	2.28	2.73	1.96	2.30	2.52	2.90	2.21	
Household Production	16.25	13.31	14.33	15.95	15.97	15.00	16.01	17.60	18.46	15.37	16.97	19.72	17.95	16.34	
Household Children	7.83	13.53	11.92	9.45	8.28	8.88	8.03	7.31	6.75	6.60	5.13	4.83	4.11	4.04	
Household Adults	0.10	0.14	0.09	0.05	0.11	0.20	0.03	0.05	0.02	0.03	0.03	0.21	0.13	0.21	
Non-Household Members	0.69	0.36	0.63	0.94	0.52	0.26	0.68	0.52	0.83	0.36	0.66	0.86	1.02	1.38	
Travel for Household Members	1.81	1.00	1.75	1.99	2.20	2.42	2.00	1.68	1.71	2.50	1.56	1.76	1.48	1.41	
Travel for Non-Household Members	0.44	0.48	0.32	0.59	0.28	0.33	0.55	0.45	0.51	0.32	0.41	0.35	0.37	0.63	
Caring and Helping	10.87	15.51	14.72	13.02	11.40	12.09	11.28	10.03	9.83	9.81	7.79	8.01	7.10	7.67	
<b>Total</b>	<b>27.12</b>	<b>28.82</b>	<b>29.05</b>	<b>28.97</b>	<b>27.37</b>	<b>27.10</b>	<b>27.29</b>	<b>27.62</b>	<b>28.29</b>	<b>25.18</b>	<b>24.76</b>	<b>27.72</b>	<b>25.04</b>	<b>24.01</b>	
ATUS Respondents in 2003-2013	4,650	256	335	344	354	379	377	361	390	372	397	346	370	369	
Age of Youngest Child	<13	0	1	2	3	4	5	6	7	8	9	10	11	12	

Source: American Time Use Survey (ATUS) data provided by the Bureau of Labor Statistics. Statistics are sample averages for weekly time-uses.

Table 6: Time Uses for Single Mothers Employed Part-Time (SPT)

Time Use Category														
Inside Housework	5.07	4.48	5.13	5.88	5.46	5.17	5.79	5.55	5.30	5.41	3.35	3.09	6.30	4.78
Food Cooking & Clean-Up	3.92	4.15	3.38	5.01	4.89	5.85	3.18	4.83	3.44	4.43	2.82	3.54	3.68	2.27
Pets, Home & Vehicles	0.95	0.33	0.70	1.43	0.74	1.77	1.55	0.98	0.39	0.46	1.74	0.63	1.00	1.05
Household Management	0.81	0.36	0.74	1.66	1.32	0.69	0.67	0.80	0.75	1.06	0.39	0.69	0.40	0.84
Shopping	3.00	1.80	3.41	2.30	4.02	4.40	2.81	2.82	3.61	2.80	1.61	2.68	2.77	4.14
Obtaining Services	0.09	0.00	0.12	0.22	0.30	0.07	0.14	0.12	0.00	0.00	0.03	0.02	0.02	0.06
Travel for Household Activity	1.95	1.05	1.84	2.55	1.98	2.19	1.96	1.96	2.24	1.82	1.52	2.14	1.99	2.29
Household Production	15.78	12.16	15.33	19.05	18.71	20.15	16.09	17.06	15.73	15.97	11.46	12.79	16.17	15.44
Household Children	7.66	13.50	18.05	9.08	9.51	9.28	6.75	7.06	3.68	4.04	4.10	3.30	3.47	1.97
Household Adults	0.09	0.05	0.03	0.09	0.13	0.02	0.50	0.00	0.01	0.17	0.09	0.02	0.03	0.05
Non-Household Members	0.85	1.79	1.18	0.64	0.90	0.71	0.29	0.98	0.64	0.31	0.28	0.71	0.63	1.45
Travel for Household Members	1.32	1.63	1.42	1.68	2.15	1.95	1.36	1.91	0.67	1.18	1.33	0.59	0.63	0.62
Travel for Non-Household Members	0.58	0.82	0.58	0.47	0.51	0.47	0.14	0.76	0.82	0.27	0.49	0.29	1.19	0.74
Caring and Helping	10.49	17.79	21.26	11.96	13.19	12.44	9.03	10.71	5.82	5.97	6.29	4.91	5.95	4.82
<b>Total</b>	<b>26.27</b>	<b>29.95</b>	<b>36.58</b>	<b>31.01</b>	<b>31.90</b>	<b>32.59</b>	<b>25.12</b>	<b>27.77</b>	<b>21.55</b>	<b>21.95</b>	<b>17.75</b>	<b>17.69</b>	<b>22.12</b>	<b>20.26</b>
ATUS Respondents in 2003-2013	1,678	117	152	136	146	113	125	127	121	117	128	140	128	128
Age of Youngest Child	<13	0	1	2	3	4	5	6	7	8	9	10	11	12

Source: American Time Use Survey (ATUS) data provided by the Bureau of Labor Statistics. Statistics are sample averages for weekly time-uses.



Table 7: Time Uses for Single Homemaker Mothers (SH)

Time Use Category														
Inside Housework	9.29	8.57	11.12	8.25	6.61	8.21	9.55	8.02	15.49	11.15	9.68	8.35	5.88	14.57
Food Cooking & Clean-Up	7.89	6.16	7.19	8.28	9.95	8.16	8.27	8.50	9.62	9.58	6.95	7.10	8.92	11.17
Pets, Home & Vehicles	0.89	0.67	0.89	0.87	0.93	0.15	0.89	2.05	0.94	0.62	4.06	1.50	0.67	0.77
Household Management	1.18	1.84	0.73	2.08	0.82	1.63	0.88	0.44	0.54	0.92	0.64	0.37	0.77	1.52
Shopping	2.96	3.32	2.38	2.52	2.53	1.92	3.77	3.05	3.78	3.23	2.77	3.86	3.24	6.16
Obtaining Services	0.18	0.33	0.13	0.21	0.09	0.04	0.00	0.05	0.24	0.28	0.14	0.06	0.30	0.00
Travel for Household Activity	2.16	1.92	2.40	1.73	1.60	2.18	1.94	2.25	2.49	2.60	4.83	2.91	3.05	1.83
Household Production	24.55	22.81	24.85	23.94	22.54	22.29	25.31	24.36	33.11	28.37	29.06	24.15	22.82	36.01
Household Children	14.88	20.09	16.56	18.01	11.55	17.37	11.74	12.85	9.27	8.96	11.34	8.28	4.21	4.09
Household Adults	0.47	0.05	0.65	0.84	0.25	0.19	0.00	0.09	0.25	0.00	0.00	0.34	1.98	3.91
Non-Household Members	0.98	0.20	0.72	0.24	0.42	1.57	2.75	4.25	0.48	1.46	0.81	3.00	1.26	0.46
Travel for Household Members	1.55	1.76	0.89	1.44	1.84	1.93	1.66	2.49	1.86	1.46	3.42	0.99	1.17	0.80
Travel for Non-Household Members	0.36	0.29	0.32	0.07	0.34	0.28	1.16	1.17	0.11	0.02	0.01	0.57	0.35	0.24
Caring and Helping	18.25	22.40	19.14	20.61	14.39	21.34	17.31	20.85	11.97	11.89	15.58	13.17	8.97	9.50
Total	42.80	45.21	43.99	44.54	36.93	43.63	42.62	45.21	45.08	40.26	44.65	37.31	31.79	45.51
ATUS Respondents in 2003-2013	948	189	148	104	76	73	66	73	46	42	31	37	36	27
Age of Youngest Child	<13	0	1	2	3	4	5	6	7	8	9	10	11	12

Source: American Time Use Survey (ATUS) data provided by the Bureau of Labor Statistics. Statistics are sample averages for weekly time-uses.

Table 8: Time Uses for Married Mothers Employed Full-Time (MFT)

Time Use Category						
Inside Housework	6.17	7.08	6.41	5.23	5.71	6.44
Food Cooking & Clean-Up	5.76	6.08	5.96	5.36	5.70	5.65
Pets, Home & Vehicles	2.32	2.28	2.29	2.43	1.88	2.68
Household Management	1.22	1.15	1.30	1.18	1.14	1.33
Shopping	3.51	3.52	3.86	3.68	2.90	3.53
Obtaining Services	0.09	0.10	0.10	0.12	0.08	0.06
Travel for Household Activity	2.47	2.23	2.49	2.75	2.57	2.30
Household Production	21.56	22.45	22.40	20.75	19.98	21.98
Household Children	2.46	3.29	2.96	2.96	1.78	1.24
Household Adults	0.21	0.16	0.17	0.18	0.26	0.25
Non-Household Members	0.94	0.79	1.05	0.79	1.05	1.06
Travel for Household Members	1.21	1.39	1.53	1.56	1.02	0.55
Travel for Non-Household Members	0.37	0.37	0.46	0.36	0.35	0.31
Caring and Helping	5.19	6.00	6.17	5.84	4.46	3.41
Total	26.74	28.45	28.58	26.60	24.44	25.39
ATUS Respondents in 2003-2013	2,237	509	541	404	377	406
Age of Youngest Child	13-17	13	14	15	16	17

Source: American Time Use Survey (ATUS) data provided by the Bureau of Labor Statistics. Statistics are sample averages for weekly time-uses.

Table 9: Time Uses for Married Mothers Employed Part-Time (MPT)

<b>Time Use Category</b>						
Inside Housework	9.00	8.69	8.26	10.20	7.69	10.56
Food Cooking & Clean-Up	7.10	8.18	6.90	7.69	6.40	5.94
Pets, Home & Vehicles	2.52	2.44	2.47	2.04	2.94	3.07
Household Management	1.71	2.26	1.63	1.59	1.05	1.88
Shopping	4.59	5.20	4.82	4.64	3.57	4.43
Obtaining Services	0.12	0.13	0.21	0.02	0.12	0.16
Travel for Household Activity	2.93	2.86	3.31	3.07	2.53	2.92
<b>Household Production</b>	<b>27.98</b>	<b>29.76</b>	<b>27.60</b>	<b>29.26</b>	<b>24.30</b>	<b>28.97</b>
Household Children	3.44	5.47	3.14	3.58	2.83	1.53
Household Adults	0.14	0.32	0.06	0.12	0.09	0.07
Non-Household Members	1.09	0.55	0.39	1.31	1.41	1.95
Travel for Household Members	1.69	2.20	1.42	1.87	1.78	1.02
Travel for Non-Household Members	0.39	0.23	0.26	0.66	0.53	0.30
<b>Caring and Helping</b>	<b>6.76</b>	<b>8.77</b>	<b>5.28</b>	<b>7.54</b>	<b>6.64</b>	<b>4.86</b>
<b>Total</b>	<b>34.74</b>	<b>38.53</b>	<b>32.88</b>	<b>36.79</b>	<b>30.94</b>	<b>33.83</b>
ATUS Respondents in 2003-2013	755	216	157	137	118	127
Age of Youngest Child	13-17	13	14	15	16	17

Source: American Time Use Survey (ATUS) data provided by the Bureau of Labor Statistics. Statistics are sample averages for weekly time-uses.

Table 10: Time Uses for Married Homemaker Mothers (MH)

<b>Time Use Category</b>						
Inside Housework	13.53	12.31	12.51	14.33	15.54	13.72
Food Cooking & Clean-Up	10.48	9.81	10.87	9.92	12.09	9.94
Pets, Home & Vehicles	4.05	5.43	3.43	3.11	3.58	4.69
Household Management	1.95	2.01	1.39	2.62	1.88	1.75
Shopping	4.92	4.76	4.74	5.56	4.63	4.83
Obtaining Services	0.31	0.15	0.59	0.14	0.26	0.47
Travel for Household Activity	3.36	3.64	3.13	3.20	3.21	3.42
<b>Household Production</b>	<b>38.59</b>	<b>38.11</b>	<b>36.65</b>	<b>38.87</b>	<b>41.19</b>	<b>38.81</b>
Household Children	5.93	7.52	7.79	5.82	4.52	2.88
Household Adults	0.39	0.45	0.13	0.37	0.33	0.66
Non-Household Members	1.31	2.77	0.32	0.63	1.87	0.83
Travel for Household Members	2.23	2.84	2.20	3.07	1.82	0.89
Travel for Non-Household Members	0.48	0.53	0.57	0.52	0.38	0.34
<b>Caring and Helping</b>	<b>10.35</b>	<b>14.13</b>	<b>11.01</b>	<b>10.41</b>	<b>8.92</b>	<b>5.62</b>
<b>Total</b>	<b>48.94</b>	<b>52.24</b>	<b>47.66</b>	<b>49.29</b>	<b>50.11</b>	<b>44.42</b>
ATUS Respondents in 2003-2013	546	162	119	104	86	75
Age of Youngest Child	13-17	13	14	15	16	17

Source: American Time Use Survey (ATUS) data provided by the Bureau of Labor Statistics. Statistics are sample averages for weekly time-uses.

Table 11: Time Uses for Single Mothers Employed Full-Time (SFT)

<b>Time Use Category</b>						
Inside Housework	5.58	4.54	4.89	7.20	6.00	5.37
Food Cooking & Clean-Up	3.93	3.98	4.18	4.45	3.40	3.49
Pets, Home & Vehicles	1.47	1.28	1.52	1.63	1.11	1.87
Household Management	1.24	1.10	1.22	1.38	1.24	1.19
Shopping	3.11	3.40	2.74	2.66	3.12	3.71
Obtaining Services	0.15	0.11	0.05	0.12	0.25	0.24
Travel for Household Activity	2.34	2.19	1.76	1.97	3.31	2.65
<b>Household Production</b>	<b>17.83</b>	<b>16.60</b>	<b>16.37</b>	<b>19.42</b>	<b>18.43</b>	<b>18.52</b>
Household Children	2.12	3.49	2.48	1.45	1.51	1.55
Household Adults	0.07	0.09	0.07	0.03	0.02	0.12
Non-Household Members	0.95	0.77	0.78	0.96	0.76	1.54
Travel for Household Members	1.03	1.20	1.39	0.90	1.15	0.58
Travel for Non-Household Members	0.50	0.66	0.46	0.49	0.44	0.47
<b>Caring and Helping</b>	<b>4.69</b>	<b>6.21</b>	<b>5.18</b>	<b>3.82</b>	<b>3.88</b>	<b>4.26</b>
<b>Total</b>	<b>22.51</b>	<b>22.80</b>	<b>21.55</b>	<b>23.24</b>	<b>22.31</b>	<b>22.77</b>
ATUS Respondents in 2003-2013	1,487	387	363	272	224	241
Age of Youngest Child	13-17	13	14	15	16	17

Source: American Time Use Survey (ATUS) data provided by the Bureau of Labor Statistics. Statistics are sample averages for weekly time-uses.

Table 12: Time Uses for Single Mothers Employed Part-Time (SPT)

<b>Time Use Category</b>						
Inside Housework	2.38	3.11	2.38	2.26	2.07	2.29
Food Cooking & Clean-Up	1.73	2.03	1.57	1.66	1.50	1.91
Pets, Home & Vehicles	1.03	1.15	1.20	0.83	1.34	0.77
Household Management	1.03	0.83	0.86	1.14	1.37	0.91
Shopping	3.05	3.12	2.92	2.74	2.63	3.79
Obtaining Services	0.03	0.01	0.01	0.00	0.02	0.08
Travel for Household Activity	2.50	2.41	1.99	1.97	2.68	3.14
<b>Household Production</b>	<b>11.75</b>	<b>12.65</b>	<b>10.92</b>	<b>10.60</b>	<b>11.60</b>	<b>12.89</b>
Household Children	0.63	1.23	1.18	0.49	0.49	0.19
Household Adults	0.20	0.13	0.01	0.06	0.11	0.52
Non-Household Members	0.75	1.15	0.44	0.39	0.96	0.79
Travel for Household Members	0.35	0.53	0.33	0.42	0.47	0.12
Travel for Non-Household Members	0.67	0.69	0.57	0.42	0.64	0.89
<b>Caring and Helping</b>	<b>2.61</b>	<b>3.73</b>	<b>2.53</b>	<b>1.77</b>	<b>2.68</b>	<b>2.51</b>
<b>Total</b>	<b>14.36</b>	<b>16.38</b>	<b>13.45</b>	<b>12.37</b>	<b>14.28</b>	<b>15.40</b>
ATUS Respondents in 2003-2013	904	159	179	154	184	228
Age of Youngest Child	13-17	13	14	15	16	17

Source: American Time Use Survey (ATUS) data provided by the Bureau of Labor Statistics. Statistics are sample averages for weekly time-uses.

Table 13: Time Uses for Single Homemaker Mothers (SH)

Time Use Category						
Inside Housework	8.05	7.38	8.25	5.85	14.39	10.05
Food Cooking & Clean-Up	5.19	6.47	6.03	2.51	6.89	4.93
Pets, Home & Vehicles	3.46	2.20	1.55	7.87	1.40	2.29
Household Management	1.73	0.87	0.31	3.38	0.38	4.17
Shopping	2.95	1.49	4.18	3.10	4.51	2.07
Obtaining Services	0.11	0.24	0.00	0.12	0.00	0.13
Travel for Household Activity	2.92	1.56	4.15	2.58	3.74	2.36
Household Production	24.41	20.21	24.47	25.41	31.30	25.99
Household Children	5.49	5.99	5.96	1.57	4.31	14.85
Household Adults	0.15	0.41	0.02	0.00	0.58	0.00
Non-Household Members	1.65	2.52	0.47	1.14	0.50	5.14
Travel for Household Members	0.65	1.23	0.96	0.23	0.09	0.00
Travel for Non-Household Members	0.30	0.75	0.12	0.18	0.05	0.32
Caring and Helping	8.23	10.90	7.52	3.12	5.53	20.31
Total	32.64	31.12	31.99	28.53	36.83	46.30
ATUS Respondents in 2003-2013	107	32	31	26	8	10
Age of Youngest Child	13-17	13	14	15	16	17

Source: American Time Use Survey (ATUS) data provided by the Bureau of Labor Statistics. Statistics are sample averages for weekly time-uses.

Table 14: Time Uses for Married Mothers

Time Use Category												
Inside Housework	6.03	5.59	6.15	6.88	8.04	7.74	8.12	8.33	11.12	10.39	10.86	12.02
Food Cooking & Clean-Up	5.71	5.31	5.78	6.59	7.04	6.12	7.25	7.97	10.34	8.88	10.17	11.76
Pets, Home & Vehicles	1.64	1.86	1.57	1.26	1.94	1.98	2.02	1.74	2.19	2.35	2.36	1.86
Household Management	1.09	1.06	1.14	1.03	1.46	1.52	1.51	1.26	1.36	1.45	1.30	1.36
Shopping	3.29	3.34	3.21	3.35	3.94	3.90	4.00	3.90	4.29	4.36	4.36	4.14
Obtaining Services	0.10	0.11	0.08	0.13	0.12	0.13	0.10	0.15	0.16	0.17	0.16	0.17
Travel for Household Activity	2.23	2.31	2.14	2.23	2.49	2.46	2.49	2.51	2.65	2.85	2.55	2.60
Household Production	20.09	19.59	20.08	21.47	25.03	23.86	25.50	25.85	32.11	30.45	31.77	33.90
Household Children	8.91	7.50	9.66	10.87	12.17	9.73	12.75	14.64	17.75	14.26	18.29	20.12
Household Adults	0.15	0.17	0.14	0.10	0.19	0.17	0.20	0.21	0.22	0.26	0.24	0.17
Non-Household Members	0.59	0.75	0.42	0.56	0.63	0.95	0.47	0.46	0.66	0.85	0.61	0.55
Travel for Household Members	1.71	1.38	1.89	2.15	2.06	1.53	2.20	2.59	2.22	1.45	2.28	2.81
Travel for Non-Household Members	0.35	0.35	0.33	0.40	0.31	0.34	0.31	0.25	0.32	0.28	0.34	0.33
Caring and Helping	11.70	10.15	12.43	14.08	15.35	12.72	15.92	18.15	21.17	17.10	21.77	23.98
<b>Total</b>	<b>31.79</b>	<b>29.74</b>	<b>32.52</b>	<b>35.55</b>	<b>40.38</b>	<b>36.58</b>	<b>41.42</b>	<b>44.01</b>	<b>53.28</b>	<b>47.55</b>	<b>53.54</b>	<b>57.89</b>
Marital Status	Married	Married	Married	Married	Married	Married	Married	Married	Married	Married	Married	Married
Employment Status	Full-Time	Full-Time	Full-Time	Full-Time	Part-Time	Part-Time	Part-Time	Part-Time	Homemaker	Homemaker	Homemaker	Homemaker
ATUS Respondents in 2003-2013	11,432	4,861	4,735	1,836	4,758	1,536	2,118	1,104	6,414	1,718	2,592	2,104
Number of Children	1+	1	2	3+	1+	1	2	3+	1+	1	2	3+

Source: American Time Use Survey (ATUS) data provided by the Bureau of Labor Statistics. Statistics are sample averages for weekly time-uses.



Table 15: Time Uses for Single Mothers

Time Use Category												
Inside Housework	5.06	5.03	4.96	5.39	3.87	3.27	4.31	4.65	9.15	7.72	10.21	9.24
Food Cooking & Clean-Up	4.14	3.84	4.11	5.23	2.94	2.60	3.11	3.55	7.59	6.12	8.11	8.29
Pets, Home & Vehicles	1.12	1.35	0.94	0.67	0.98	1.00	1.08	0.80	1.18	2.01	0.81	0.88
Household Management	1.03	1.14	0.96	0.83	0.91	0.99	0.97	0.65	1.25	1.16	1.02	1.53
Shopping	2.99	3.12	2.81	2.93	3.02	3.26	3.09	2.38	2.96	3.07	2.60	3.21
Obtaining Services	0.14	0.16	0.12	0.09	0.06	0.09	0.02	0.06	0.17	0.21	0.21	0.10
Travel for Household Activity	2.21	2.28	2.11	2.16	2.19	2.44	1.99	1.89	2.25	2.47	1.77	2.52
Household Production	16.70	16.91	16.00	17.30	13.97	13.65	14.57	13.97	24.56	22.77	24.73	25.76
Household Children	6.25	5.07	6.94	8.90	4.55	3.19	5.01	7.13	13.83	10.66	15.29	15.20
Household Adults	0.09	0.08	0.08	0.13	0.14	0.18	0.11	0.10	0.43	0.68	0.38	0.29
Non-Household Members	0.77	0.87	0.70	0.53	0.80	1.01	0.69	0.48	1.06	1.96	0.62	0.72
Travel for Household Members	1.59	1.42	1.71	1.93	0.89	0.57	1.24	1.14	1.44	0.81	1.51	1.90
Travel for Non-Household Members	0.46	0.48	0.43	0.42	0.62	0.67	0.66	0.43	0.35	0.59	0.33	0.19
Caring and Helping	9.16	7.93	9.86	11.91	6.99	5.62	7.70	9.28	17.11	14.69	18.12	18.30
<b>Total</b>	<b>25.85</b>	<b>24.84</b>	<b>25.86</b>	<b>29.21</b>		<b>19.27</b>	<b>22.27</b>	<b>23.25</b>		<b>37.46</b>	<b>42.85</b>	<b>44.06</b>
Marital Status	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single
Employment Status	Full-Time	Full-Time	Full-Time	Full-Time	Part-Time	Part-Time	Part-Time	Part-Time	Homemaker	Homemaker	Homemaker	Homemaker
ATUS Respondents in 2003-2013	6,137	3,370	1,919	848	2,582	1,217	864	501	1,055	337	336	382
Number of Children	1+	1	2	3+	1+	1	2	3+	1+	1	2	3+

Source: American Time Use Survey (ATUS) data provided by the Bureau of Labor Statistics. Statistics are sample averages for weekly time-uses.

Table 16: The Pecuniary Value of Household Services and the Percent Difference between DVD estimates and Disaggregated estimates by Age of Youngest Child

Married, Full-Time Work														
Total Value	22,465	29,533	23,724	22,797	22,426	21,511	21,278	20,982	21,308	20,864	20,064	20,725	19,984	19,779
Percent Difference		-31.46	-5.60	-1.48	0.17	4.25	5.29	6.60	5.15	7.13	10.69	7.75	11.04	11.96
Married, Part-Time Work														
Total Value	28,137	32,193	29,150	29,089	28,242	26,854	26,818	29,036	29,017	24,258	25,680	26,498	26,384	27,563
Percent Difference		-14.42	-3.60	-3.39	-0.37	4.56	4.69	-3.20	-3.13	13.78	8.73	5.82	6.23	2.04
Married, Homemakers														
Total Value	35,910	37,915	36,854	36,375	36,058	35,096	35,249	35,785	34,544	33,641	33,203	35,737	33,078	31,941
Percent Difference		-5.58	-2.63	-1.29	-0.41	2.27	1.84	0.35	3.80	6.32	7.54	0.48	7.89	11.05
Single, Full-Time Work														
Total Value	18,476	19,324	19,709	19,662	18,656	18,404	18,599	18,728	19,412	17,423	16,931	18,896	17,214	16,422
Percent Difference		-4.59	-6.67	-6.42	-0.97	0.39	-0.67	-1.36	-5.07	5.70	8.36	-2.28	6.83	11.12
Single, Part-Time Work														
Total Value	17,812	20,080	24,621	21,237	21,763	22,023	17,002	18,871	14,596	14,862	12,148	12,000	14,917	13,900
Percent Difference		-12.73	-38.23	-19.23	-22.18	-23.64	4.55	-5.94	18.06	16.56	31.80	32.63	16.26	21.96
Single, Homemakers														
Total Value	28,573	30,457	29,103	29,884	24,550	29,226	28,476	30,335	29,719	26,670	30,298	24,834	21,209	29,990
Percent Difference		-6.59	-1.85	-4.59	14.08	-2.28	0.34	-6.16	-4.01	6.66	-6.04	13.09	25.77	-4.96
Age of Youngest Child	< 13	0	1	2	3	4	5	6	7	8	9	10	11	12

Source: American Time Use Survey (ATUS) data provided by the Bureau of Labor Statistics. Statistics are sample average pecuniary values of household services and the difference between these values in data aggregated and disaggregated data by age of youngest child.

Table 17: The Pecuniary Value of Household Services and the Percent Difference between DVD estimates and Disaggregated estimates by Age of Youngest Child

<b>Married, Full-Time Work</b>						
Total Value	18,229	19,309	19,512	18,239	16,632	17,269
Percent Difference		-5.92	-7.04	-0.06	8.76	5.27
<b>Married, Part-Time Work</b>						
Total Value	23,656	26,317	22,395	24,952	21,059	23,065
Percent Difference		-11.25	5.33	-5.48	10.98	2.50
<b>Married, Homemakers</b>						
Total Value	33,112	35,576	32,089	33,560	33,616	29,937
Percent Difference		-7.44	3.09	-1.35	-1.52	9.59
<b>Single, Full-Time Work</b>						
Total Value	15,463	15,654	14,816	15,881	15,395	15,645
Percent Difference		-1.24	4.18	-2.71	0.44	-1.18
<b>Single, Part-Time Work</b>						
Total Value	10,069	11,353	9,382	8,707	10,178	10,745
Percent Difference		-12.75	6.82	13.53	-1.08	-6.71
<b>Single, Homemakers</b>						
Total Value	22,271	20,966	21,326	20,432	24,180	31,764
Percent Difference		5.86	4.24	8.26	-8.57	-42.63
<b>Age of Youngest Child</b>	<b>13-17</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>

Source: American Time Use Survey (ATUS) data provided by the Bureau of Labor Statistics. Statistics are sample average pecuniary values of household services and the difference between these values in data aggregated and disaggregated data by age of youngest child.

Table 18: The Pecuniary Value of Household Services and the Percent Difference between DVD estimates and Disaggregated estimates by Number of Children

<b>Married, Full-Time Work</b>				
Total Value	21,530	20,169	22,023	23,981
Percent Difference		6.32	-2.29	-11.38
<b>Married, Part-Time Work</b>				
Total Value	27,292	24,777	28,003	29,637
Percent Difference		9.22	-2.61	-8.59
<b>Married, Homemakers</b>				
Total Value	35,625	31,853	35,809	38,639
Percent Difference		10.59	-0.52	-8.46
<b>Single, Full-Time Work</b>				
Total Value	17,648	17,032	17,622	19,745
Percent Difference		3.49	0.15	-11.89
<b>Single, Part-Time Work</b>				
Total Value	14,362	13,280	15,270	15,714
Percent Difference		7.54	-6.32	-9.42
<b>Single, Homemakers</b>				
Total Value	27,869	25,201	28,482	29,521
Percent Difference		9.57	-2.20	-5.93
<b>Age of Youngest Child</b>	<b>1+</b>	<b>1</b>	<b>2</b>	<b>3+</b>

Source: American Time Use Survey (ATUS) data provided by the Bureau of Labor Statistics. Statistics are sample average pecuniary values of household services and the difference between these values in data aggregated and disaggregated data by age of youngest child.

Table 19: Time Uses for Married Mothers Employed Full-Time (MFT) Disaggregated by Age of Youngest Child and by Number of Household Children

Time Use Category																			
One Child																			
Household Production	18.57	17.75	16.74	16.62	19.12	17.45	18.39	18.25	19.40	20.78	18.21	18.43	20.13	23.28	21.50	21.83	20.47	20.27	22.23
Caring and Helping	13.34	24.52	18.48	14.29	12.92	10.85	9.39	9.80	9.23	8.36	9.12	8.50	9.05	6.11	4.95	5.40	5.94	4.57	3.46
Total	31.90	42.27	35.22	30.91	32.04	28.30	27.79	28.05	28.64	29.14	27.34	26.93	29.18	29.39	26.45	27.23	26.42	24.84	25.69
ATUS Respondents in 2003-2013	3,203	401	378	328	293	234	194	189	193	165	182	199	215	232	242	351	313	352	400
Age of Youngest Child	<13	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Two Children																			
Household Production	19.83	19.94	16.60	19.95	19.05	19.41	19.30	18.97	20.17	21.02	22.34	21.09	21.44	19.52	21.93	22.31	21.41	17.24	6.20
Caring and Helping	13.41	26.06	18.25	16.06	13.37	13.51	12.65	11.81	11.97	9.45	9.03	9.62	8.31	7.51	6.38	7.58	5.52	2.73	1.28
Total	33.24	46.00	34.84	36.01	32.41	32.92	31.95	30.78	32.14	30.47	31.37	30.70	29.75	27.03	28.32	29.89	26.93	19.97	7.47
ATUS Respondents in 2003-2013	4,198	375	392	357	349	320	298	288	316	296	343	290	284	290	237	181	90	24	5
Age of Youngest Child	<13	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Three or More Children																			
Household Production	21.18	20.58	18.94	19.61	19.73	19.60	23.12	22.09	22.30	21.66	19.44	28.96	21.11	24.81	31.20	37.73	7.75	4.00	2.50
Caring and Helping	14.26	23.46	17.05	14.41	15.95	15.69	11.98	13.08	11.33	11.13	8.91	8.25	7.32	12.49	9.13	4.17	0.25	1.25	0.00
Total	35.44	44.04	35.99	34.01	35.68	35.29	35.10	35.17	33.63	32.79	28.35	37.22	28.42	37.30	40.33	41.89	8.00	5.25	2.50
ATUS Respondents in 2003-2013	1,794	211	191	161	187	149	157	152	146	132	109	89	65	45	30	9	1	1	1
Age of Youngest Child	<13	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

Source: American Time Use Survey (ATUS) data provided by the Bureau of Labor Statistics. Statistics are sample averages for weekly time-uses.

Table 20: Time Uses for Married Mothers Employed Part-Time (MPT) Disaggregated by Age of Youngest Child and by Number of Household Children

Time Use Category																			
One Child																			
Household Production	21.97	17.95	20.81	18.45	23.11	22.79	23.15	21.80	24.42	23.74	25.76	25.46	23.94	27.43	28.70	27.90	27.99	23.79	28.98
Caring and Helping	16.25	25.47	20.77	15.15	19.49	12.67	13.14	14.41	10.19	11.23	10.55	7.39	9.97	8.96	8.02	4.52	7.88	6.96	4.85
Total	38.22	43.42	41.57	33.59	42.61	35.46	36.29	36.20	34.61	34.96	36.31	32.86	33.91	36.40	36.73	32.42	35.87	30.76	33.82
ATUS Respondents in 2003-2013	1,028	128	170	116	89	62	55	60	41	62	63	48	60	74	95	85	99	105	124
Age of Youngest Child	<13	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Two Children																			
Household Production	24.82	20.03	20.02	24.27	23.35	24.33	23.39	27.01	27.00	24.47	24.83	29.37	29.58	29.65	30.88	27.67	31.60	24.45	9.40
Caring and Helping	17.42	29.62	22.85	22.40	17.09	14.83	15.39	18.55	16.19	12.59	13.03	10.96	12.61	11.30	9.19	5.68	6.69	6.15	1.60
Total	42.24	49.65	42.86	46.66	40.43	39.17	38.78	45.56	43.20	37.06	37.86	40.33	42.19	40.95	40.06	33.35	38.29	30.61	10.99
ATUS Respondents in 2003-2013	1,890	149	185	176	142	151	159	156	149	144	122	134	117	106	108	69	35	13	3
Age of Youngest Child	<13	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Three or More Children																			
Household Production	25.87	24.20	25.55	24.36	24.87	26.24	24.84	26.38	29.06	19.86	27.49	30.87	25.89	31.92	26.66	16.32	19.82	0.00	0.00
Caring and Helping	18.32	28.45	22.80	22.27	18.27	16.34	17.47	15.73	15.56	14.25	12.82	12.78	11.23	13.69	9.39	18.15	7.71	0.00	0.00
Total	44.19	52.66	48.35	46.64	43.14	42.59	42.31	42.11	44.62	34.12	40.31	43.65	37.12	45.61	36.05	34.47	27.53	0.00	0.00
ATUS Respondents in 2003-2013	1,085	106	120	123	114	110	88	81	90	70	62	44	46	31	13	2	3	0	0
Age of Youngest Child	<13	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

Source: American Time Use Survey (ATUS) data provided by the Bureau of Labor Statistics. Statistics are sample averages for weekly time-uses.

Table 21: Time Uses for Married Homemaker Mothers (MH) Disaggregated by Age of Youngest Child and by Number of Household Children

Time Use Category																			
One Child																			
Household Production	28.24	25.02	23.58	27.08	26.64	28.03	33.09	29.72	31.34	32.59	34.96	40.05	35.09	35.60	39.85	34.77	34.77	38.60	38.81
Caring and Helping	19.78	25.90	24.86	20.58	17.67	15.49	16.36	17.58	17.90	12.91	14.23	11.02	13.23	8.78	11.84	7.40	10.46	9.36	5.62
Total	48.02	50.92	48.44	47.66	44.30	43.52	49.44	47.30	49.24	45.50	49.19	51.06	48.32	44.38	51.69	42.17	45.22	47.96	44.42
ATUS Respondents in 2003-2013	1,343	245	240	187	112	91	64	60	60	48	54	57	63	62	79	70	77	74	75
Age of Youngest Child	<13	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Two Children																			
Household Production	30.91	26.83	30.22	29.54	32.25	30.86	30.57	33.43	34.07	30.28	34.49	33.35	33.18	37.61	36.59	39.13	49.31	44.88	0.00
Caring and Helping	22.53	28.95	28.08	23.91	23.80	21.09	20.68	18.57	17.52	15.28	18.26	17.38	15.50	10.16	13.92	16.40	9.87	7.33	0.00
Total	53.45	55.78	58.30	53.45	56.04	51.95	51.25	52.00	51.58	45.56	52.75	50.73	48.69	47.77	50.51	55.54	59.18	52.21	0.00
ATUS Respondents in 2003-2013	2,440	350	378	303	232	193	175	163	142	121	95	118	104	66	73	40	6	12	0
Age of Youngest Child	<13	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Three or More Children																			
Household Production	33.84	31.54	30.72	36.17	35.42	34.71	34.05	33.78	35.11	38.13	31.03	41.40	35.71	35.19	37.30	37.20	0.00	0.00	0.00
Caring and Helping	24.06	31.11	26.46	24.89	22.90	22.47	22.06	23.57	17.55	19.41	15.30	17.95	11.49	17.29	28.92	11.75	0.00	0.00	0.00
Total	57.90	62.65	57.18	61.06	58.33	57.19	56.11	57.34	52.66	57.54	46.33	59.35	47.20	52.48	66.22	48.95	0.00	0.00	0.00
ATUS Respondents in 2003-2013	2,085	367	339	264	219	206	148	127	140	93	88	44	35	15	10	9	0	0	0
Age of Youngest Child	<13	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

Source: American Time Use Survey (ATUS) data provided by the Bureau of Labor Statistics. Statistics are sample averages for weekly time-uses.

Table 22: Time Uses for Single Mothers Employed Full-Time (SFT) Disaggregated by Age of Youngest Child and by Number of Household

Children

Time Use Category																			
One Child																			
Household Production	15.94	15.92	12.77	15.40	16.29	12.66	17.00	18.24	18.80	13.48	15.50	16.02	18.65	16.57	15.95	17.23	20.44	18.21	19.18
Caring and Helping	10.38	16.54	13.67	13.19	11.68	12.13	11.98	9.74	9.32	9.80	7.36	7.98	6.67	7.09	5.44	4.25	3.73	3.69	4.51
Total	26.32	32.46	26.45	28.59	27.97	24.79	28.98	27.98	28.12	23.28	22.86	23.99	25.31	23.66	21.38	21.48	24.16	21.90	23.69
ATUS Respondents in 2003-2013	2,156	94	125	130	145	175	159	152	188	174	183	195	212	224	266	272	236	204	236
Age of Youngest Child	<13	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Two Children																			
Household Production	16.08	10.76	17.20	14.97	16.24	13.16	15.52	15.44	17.29	17.06	17.93	23.32	17.47	15.04	15.01	14.46	16.84	22.36	12.10
Caring and Helping	10.70	15.02	17.33	12.66	9.90	10.97	9.96	10.17	8.60	8.93	9.05	8.30	7.95	7.88	6.62	6.66	5.06	5.33	0.00
Total	26.79	25.77	34.53	27.62	26.14	24.13	25.48	25.62	25.89	25.99	26.97	31.62	25.42	22.92	21.63	21.12	21.89	27.69	12.10
ATUS Respondents in 2003-2013	1,676	84	113	126	123	131	132	135	140	149	169	112	136	126	101	84	34	19	4
Age of Youngest Child	<13	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Three or More Children																			
Household Production	17.21	12.01	13.63	18.48	16.17	22.27	15.12	18.99	19.10	17.81	18.69	24.61	16.40	23.22	23.49	10.37	1.00	0.00	0.00
Caring and Helping	12.13	14.82	14.08	13.72	14.61	13.71	12.63	10.49	13.02	11.54	5.09	7.93	7.10	10.71	10.38	6.27	0.00	1.27	0.00
Total	29.35	26.83	27.71	32.20	30.78	35.98	27.75	29.48	32.11	29.35	23.78	32.54	23.50	33.93	33.87	16.64	1.00	1.27	0.00
ATUS Respondents in 2003-2013	818	78	97	88	86	73	86	74	62	49	45	39	22	19	20	7	1	1	0
Age of Youngest Child	<13	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

Source: American Time Use Survey (ATUS) data provided by the Bureau of Labor Statistics. Statistics are sample averages for weekly time-uses.



Table 23: Time Uses for Single Mothers Employed Part-Time (SPT) Disaggregated by Age of Youngest Child and by Number of Household Children

Time Use Category																			
One Child																			
Household Production	15.48	9.00	12.93	14.91	18.08	14.45	16.35	18.52	15.57	19.83	12.25	14.61	16.83	19.62	15.02	15.73	12.58	11.00	13.10
Caring and Helping	10.82	26.01	17.54	11.69	10.92	10.62	11.55	11.34	3.47	5.95	7.92	5.53	5.16	7.20	2.71	3.31	1.82	2.93	2.56
Total	26.30	35.01	30.47	26.60	28.99	25.07	27.90	29.86	19.04	25.78	20.18	20.14	21.98	26.82	17.73	19.04	14.39	13.93	15.65
ATUS Respondents in 2003-2013	585	30	57	43	56	32	50	47	41	35	38	52	44	60	72	87	93	161	219
Age of Youngest Child	<13	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Two Children																			
Household Production	17.39	16.37	20.67	19.45	19.07	27.96	17.33	18.30	15.24	17.64	14.50	14.73	16.23	15.40	11.54	7.93	6.14	15.33	6.32
Caring and Helping	10.62	12.88	28.85	13.28	14.75	14.26	8.60	12.42	8.31	7.27	7.85	6.04	7.08	4.26	4.95	2.26	1.32	1.32	1.02
Total	28.02	29.25	49.52	32.73	33.82	42.22	25.93	30.72	23.55	24.91	22.35	20.77	23.31	19.66	16.49	10.19	7.46	16.65	7.34
ATUS Respondents in 2003-2013	622	47	44	47	41	40	36	43	51	52	54	58	54	55	74	80	57	22	9
Age of Youngest Child	<13	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Three or More Children																			
Household Production	14.33	9.88	14.62	24.04	19.39	18.60	15.11	15.56	16.78	12.74	8.12	6.18	16.17	8.38	10.42	8.45	9.21	4.00	0.00
Caring and Helping	9.97	17.79	21.01	11.80	14.68	12.15	7.37	8.95	4.93	4.65	4.13	1.73	5.30	1.93	2.24	0.53	4.86	0.00	0.00
Total	24.30	27.67	35.63	35.84	34.07	30.75	22.48	24.50	21.71	17.39	12.24	7.92	21.48	10.31	12.66	8.97	14.07	4.00	0.00
ATUS Respondents in 2003-2013	471	40	51	46	49	41	39	37	29	30	36	30	30	13	13	12	4	1	0
Age of Youngest Child	<13	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

Source: American Time Use Survey (ATUS) data provided by the Bureau of Labor Statistics. Statistics are sample averages for weekly time-uses.

Table 24: Time Uses for Single Homemaker Mothers (SH) Disaggregated by Age of Youngest Child and by Number of Household Children

Time Use Category																			
One Child																			
Household Production	21.96	16.40	22.07	19.51	16.73	20.53	27.92	23.40	26.95	26.71	34.59	12.20	24.92	39.71	21.95	19.31	28.68	32.28	25.99
Caring and Helping	17.23	22.77	18.06	16.22	19.41	13.99	20.23	24.68	10.30	8.60	5.36	14.73	16.09	10.77	5.94	6.87	3.24	8.37	20.31
Total	39.19	39.17	40.13	35.74	36.14	34.52	48.16	48.08	37.25	35.31	39.94	26.93	41.00	50.48	27.89	26.18	31.91	40.65	46.30
ATUS Respondents in 2003-2013	262	40	38	25	16	21	22	23	12	14	11	15	13	12	19	17	24	5	10
Age of Youngest Child	<13	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Two Children																			
Household Production	24.97	22.78	25.82	26.70	28.90	22.35	22.93	22.53	32.49	19.37	32.20	20.13	13.76	47.61	19.44	24.80	9.17	22.00	0.00
Caring and Helping	18.90	21.97	23.18	22.54	12.81	21.93	18.31	13.18	10.30	10.16	13.79	19.53	4.65	8.90	18.59	8.76	1.92	0.24	0.00
Total	43.87	44.75	49.00	49.24	41.71	44.28	41.24	35.72	42.78	29.53	45.98	39.66	18.41	56.50	38.03	33.56	11.08	22.25	0.00
ATUS Respondents in 2003-2013	307	58	49	29	25	24	26	20	18	15	11	11	10	11	12	12	2	3	0
Age of Youngest Child	<13	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Three or More Children																			
Household Production	25.69	24.63	25.37	25.77	19.54	23.75	27.75	27.26	39.89	36.08	22.59	37.02	21.17	13.78	8.25	13.95	0.00	0.00	0.00
Caring and Helping	18.43	22.42	14.68	22.12	14.55	26.59	13.20	25.96	15.37	21.05	22.90	6.41	8.10	5.04	10.83	0.00	0.00	0.00	0.00
Total	44.12	47.05	40.05	47.89	34.10	50.33	40.95	53.22	55.26	57.13	45.50	43.43	29.27	18.82	19.08	13.95	0.00	0.00	0.00
ATUS Respondents in 2003-2013	379	91	61	50	35	28	18	30	16	13	9	11	13	4	1	1	0	0	0
Age of Youngest Child	<13	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

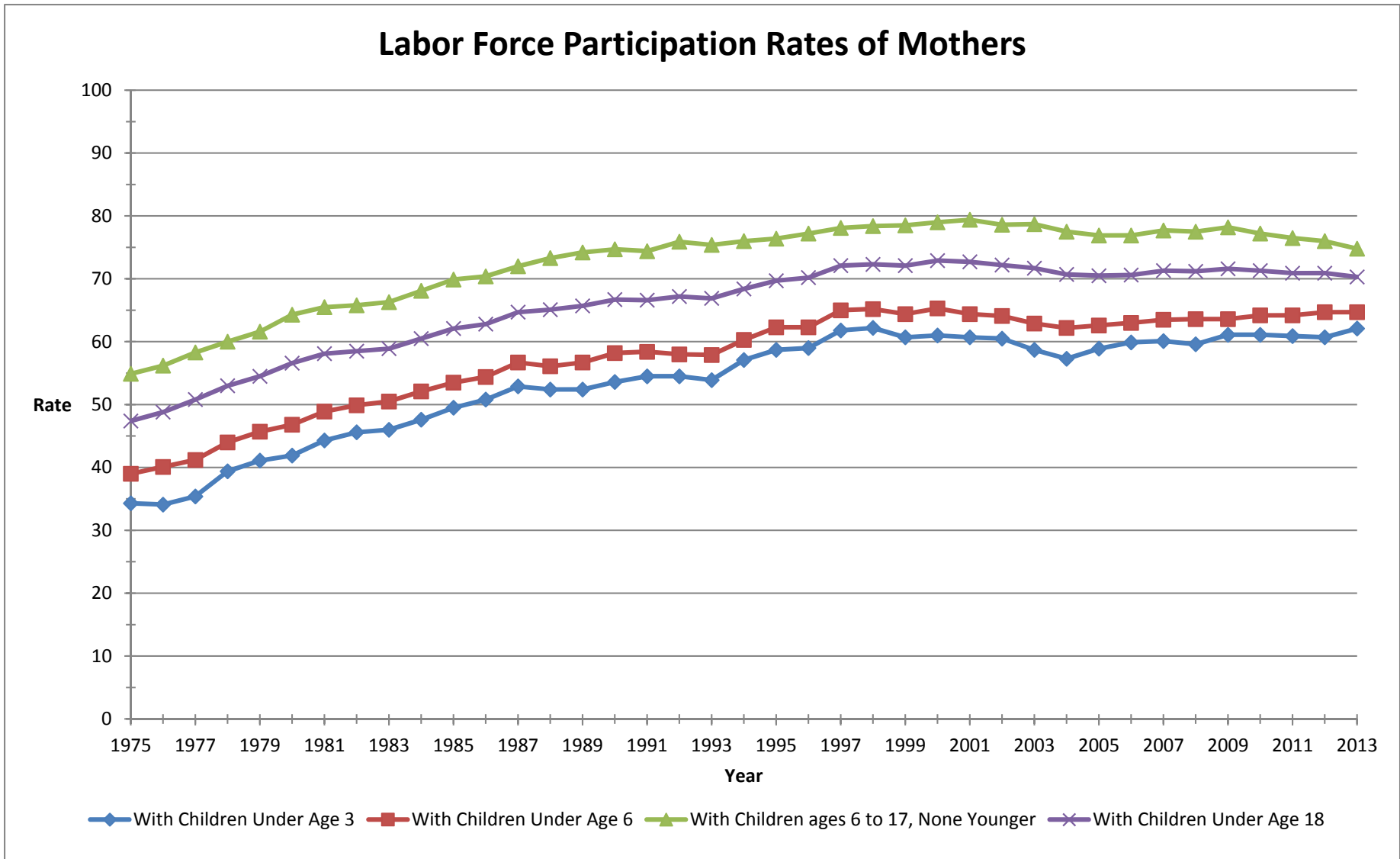
Source: American Time Use Survey (ATUS) data provided by the Bureau of Labor Statistics. Statistics are sample averages for weekly time-uses.

Table 25: The Pecuniary Value of Household Services and the Percent Difference between DVD estimates and Disaggregated estimates by Age of Youngest Child and by Number of Household Children

Married, Full-Time Work													
One Child	-26.28	-5.62	6.41	3.26	14.63	16.62	15.78	13.13	10.97	16.90	18.91	11.52	11.48
Two Children	-38.24	-4.42	-8.86	2.67	0.84	3.89	7.50	3.43	8.55	5.95	6.84	10.05	17.69
Three or More Children	-30.77	-7.68	-1.94	-7.90	-6.08	-5.51	-5.13	-1.57	0.71	14.37	-11.66	14.74	-13.14
Married, Part-Time Work													
One Child	-4.06	1.11	18.74	-2.41	14.71	11.11	12.54	16.45	15.75	12.94	20.90	17.19	12.81
Two Children	-17.95	-2.32	-11.51	2.87	5.31	7.06	-8.71	-4.74	11.53	8.90	3.43	-1.59	-0.15
Three or More Children	-24.17	-15.18	-11.50	-2.65	-1.69	-1.62	-1.59	-7.59	17.43	3.35	-5.72	10.77	-11.07
Married, Homemaker													
One Child	5.24	10.49	11.64	18.45	18.75	8.13	12.00	8.51	15.88	7.47	3.39	8.73	16.46
Two Children	-3.10	-7.75	0.47	-3.98	3.22	4.32	3.32	3.99	13.49	1.37	5.54	7.54	9.87
Three or More Children	-15.95	-5.86	-13.17	-8.42	-5.69	-4.87	-7.21	1.90	-7.14	12.81	-11.65	10.10	2.19
Single, Full-Time Work													
One Child	-17.86	1.76	-5.75	-3.30	7.73	-7.33	-3.78	-5.49	13.07	15.39	11.27	6.22	12.29
Two Children	5.76	-26.41	-1.71	3.79	12.13	5.99	5.89	3.73	4.36	0.16	-17.55	5.69	14.31
Three or More Children	3.24	-0.77	-16.83	-13.37	-31.88	-1.91	-6.52	-17.35	-13.60	11.69	-18.49	8.93	-21.42
Single, Part-Time Work													
One Child	-31.39	-15.99	-4.38	-11.04	5.36	-7.24	-13.80	28.65	4.14	22.96	23.16	16.33	-2.95
Two Children	-10.66	-85.35	-24.41	-28.89	-61.28	1.53	-17.41	9.68	4.02	12.98	20.98	10.97	24.10
Three or More Children	-3.86	-34.82	-36.79	-30.74	-16.22	15.66	6.31	17.78	34.01	54.02	70.01	20.00	59.64
Single, Homemaker													
One Child	8.18	6.24	16.72	16.09	18.17	-12.03	-15.13	12.49	18.38	4.59	36.44	3.47	-15.47
Two Children	-7.40	-12.25	-13.44	3.59	-1.81	2.96	17.21	2.46	31.67	-6.66	7.66	57.22	-28.06
Three or More Children	-9.86	6.42	-14.88	19.72	-18.53	5.19	-24.25	-27.94	-32.81	-10.04	-0.68	31.85	54.85
Age of Youngest Child	0	1	2	3	4	5	6	7	8	9	10	11	12

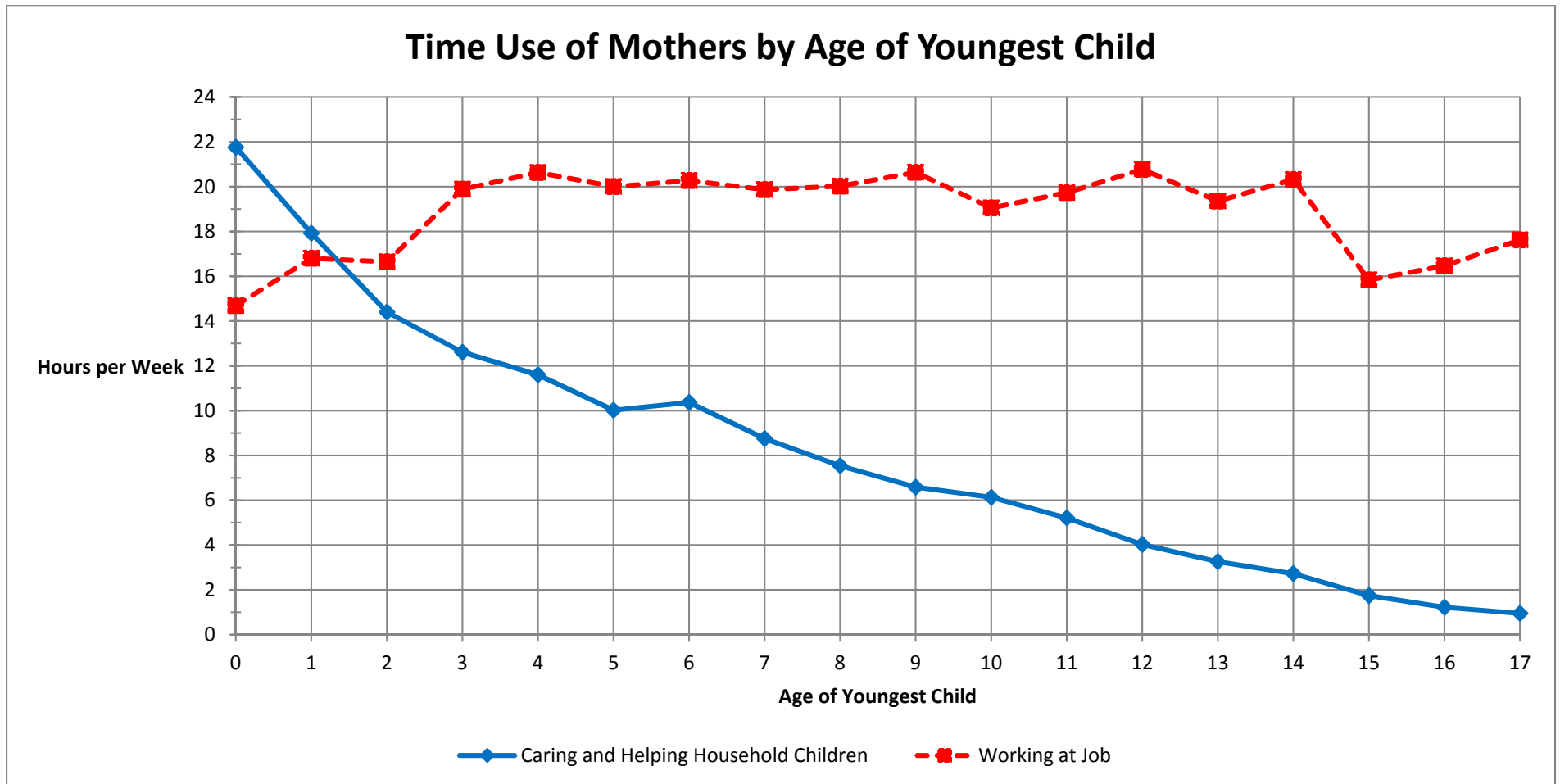
Source: American Time Use Survey (ATUS) data provided by the Bureau of Labor Statistics. Statistics are sample average pecuniary values of household services and the difference between these values in data aggregated and disaggregated data by age of youngest child.

Figure 1: Labor Force Participation Rates of Mothers



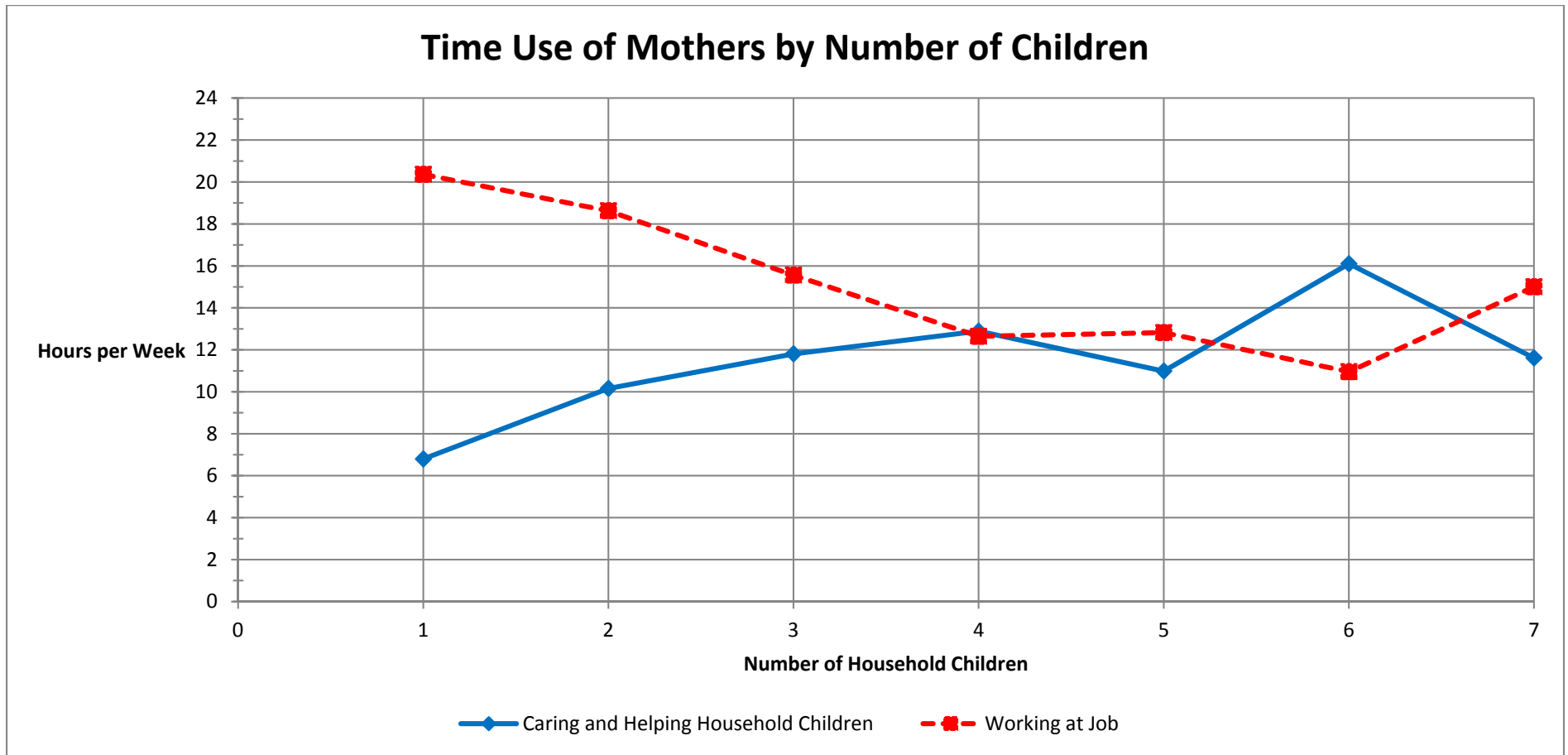
Source: Women in the Labor Force: A Databook by the Bureau of Labor Statistics

Figure 2: Time Use of Mothers by Age of Youngest Child



Source: American Time Use Survey (ATUS) data provided by the Bureau of Labor Statistics.

Figure 3: Time Use of Mothers by Number of Children



Source: American Time Use Survey (ATUS) data provided by the Bureau of Labor Statistics.

SAMPLE CASE TABLE 0  
 RELEVANT DATES  
 IN THE CASE OF  
 JOHN DOE, in his own right and as Administrator on behalf of the Estate of JANE DOE, deceased  
 vs.  
 GOOD HEART MEDICAL CENTER, et al.

	DATE	YEAR AND FRACTIONAL EQUIVALENT	NUMBER OF YEARS	AGE	50% OF GROUP WILL HAVE EXPECTANCY BETWEEN APPROXIMATELY AGE (LOW) AGE (HIGH)	
<u>JANE DOE:</u>						
1. DATE OF BIRTH	2-Apr-1971	1971.251	--	--	--	--
2. DATE OF DEATH	4-Nov-2009	2009.842	38.592	38.592	--	--
3. DATE SHE WOULD HAVE RETURNED TO WORK AFTER BIRTH (a)	9-Feb-2010	2010.108	0.266	38.858	--	--
4. DATE OF THIS REPORT	4-Oct-2010	2010.758	0.915	39.507	--	--
5. AVERAGE STATISTICAL WORKLIFE EXPECTANCY (b)	Apr-2032	2032.327	22.485	61.077	57.684	67.684
6. AGE 62 (c)	Mar-2033	2033.251	23.408	62.000	--	--
7. AGE 67 (c)	Apr-2038	2038.251	28.408	67.000	--	--
8. HEALTHY LIFE EXPECTANCY (d)	Dec-2043	2043.995	34.153	72.745	67.780	79.571
9. AVERAGE STATISTICAL LIFE EXPECTANCY (e)	Apr-2053	2053.294	43.452	82.043	75.727	90.729
<u>JOHN DOE:</u>						
1. DATE OF BIRTH	3-Mar-1971	1971.168	--	--	--	--
2. DATE OF WIFE'S DEATH	4-Nov-2009	2009.842	38.674	38.674	--	--
3. DATE OF THIS REPORT	4-Oct-2010	2010.758	0.915	39.589	--	--
4. AVERAGE STATISTICAL WORKLIFE EXPECTANCY (b)	Dec-2033	2033.989	24.147	62.738	59.766	68.766
5. AGE 67 (c)	Mar-2038	2038.168	28.326	67.000	--	--
6. AVERAGE STATISTICAL LIFE EXPECTANCY (e)	Mar-2049	2049.212	39.370	78.044	70.708	87.354
<u>BRAD DOE:</u>						
1. DATE OF BIRTH	4-Sep-2004	2004.676	--	--	--	--
2. DATE OF MOTHER'S DEATH	4-Nov-2009	2009.842	5.166	5.166	--	--
3. DATE OF THIS REPORT	4-Oct-2010	2010.758	0.915	6.081	--	--
4. AGE 18	4-Sep-2022	2022.676	12.834	18.000	--	--

CONTINUED

SAMPLE CASE \TABLE 0--CONTINUED  
 RELEVANT DATES  
 IN THE CASE OF  
 JOHN DOE, in his own right and as Administrator on behalf of the Estate of JANE DOE, deceased  
 vs.  
 GOOD HEART MEDICAL CENTER, et al.

	DATE	YEAR AND FRACTIONAL EQUIVALENT	NUMBER OF YEARS	AGE	50% OF GROUP WILL HAVE EXPECTANCY BETWEEN APPROXIMATELY AGE (LOW) AGE (HIGH)	
<u>JAMES DOE:</u>						
1. DATE OF BIRTH	19-Sep-2006	2006.716	--	--	--	--
2. DATE OF MOTHER'S DEATH	4-Nov-2009	2009.842	3.126	3.126	--	--
3. DATE OF THIS REPORT	4-Oct-2010	2010.758	0.915	4.041	--	--
4. AGE 18	19-Sep-2024	2024.716	14.874	18.000	--	--
<u>PHILIP DOE:</u>						
1. DATE OF BIRTH	19-Oct-2009	2009.799	--	--	--	--
2. DATE OF MOTHER'S DEATH	4-Nov-2009	2009.842	0.044	0.044	--	--
3. DATE OF THIS REPORT	4-Oct-2010	2010.758	0.915	0.959	--	--
4. AGE 6	19-Oct-2015	2015.799	5.956	6.000	--	--
5. AGE 13	19-Oct-2022	2022.799	12.957	13.000	--	--
6. AGE 18	19-Oct-2027	2027.799	17.956	18.000	--	--

- (a) According to John Doe's deposition (p. 63), Jane Doe would have returned to works 16 weeks after giving birth to Philip Doe, which would have placed her return to work on Feb. 9, 2010 (assuming she would have continued working part-time on Tuesday, Wednesday and Thursday).
- (b) Computed from Jane Doe's age at the date of her of death using Gary R. Skoog, James E. Ciecka and Kurt V. Krueger (SCK), "The Markov Process Model of Labor Force Activity: Extended Tables of Central Tendency, Percentile Points and Bootstrap Standard Errors," Journal of Forensic Economics, Vol. 22, No. 2 (August 2011), pp. 165-230, Table 23, for "Initially Active Men with Some College, No Degree," This paper updates with recent data the older worklife expectancy estimates found in U.S. Dept. of Labor, Estimates: Effects of Race and Education," Bulletin 2254, (Feb. 1986). The work life for women is 21.235 years (Table 23 of SCK), 1.25 years less than the expectancy for men. The male work life expectancy is used because of Jane Doe's continuous attachment to the labor force in the years leading up to her death. Research has established that female work life expectancy statistics understate the work life expectancy of females with a strong attachment to the labor force. See Chap. 5 of Elizabeth M. King and James P. Smith, "Computing Economic Loss in Cases of Wrongful Death," R-3549-ICJ, Santa Monica, CA:The Rand Corporation, 1988. John Doe's work life expectancy is computed using Table 9 of the SCK source.
- (c) For retirement ages under Social Security, see <http://www.ssa.gov/retirechartred.htm>.
- (d) Computed from Jane Doe's age as of the date of her date of death using Expectancy Data, "Healthy Life Expectancy: Mortality and Morbidity Analysis, 2007 Tables," Shawnee Mission, Kansas, 2011, Table 6.
- (e) Computed from Jane Doe's and John Doe's respective ages as of the former's date of death using Elizabeth Arias, "United States Life Tables, 2007," National Vital Statistics Reports, Vol. 59, No. 9, September 28, 2011, U.S. Dept. of Health and Human Services, Tables 6 and 5, respectively.



SUMMARY RESULTS FOR SAMPLE CASE

Situations:

Estimated Replacement Value From:

	DVD Tables	Detailed Age of Youngest Child Tables	Number of Children Tables	Youngest Child & Number of Children Tables
1. Married mother who is a homemaker with three children under age 18, the youngest being between age 0 and age 1	\$9,374	\$9,942	\$10,099	\$10,955
2. Married mother who is employed part-time, with three children under age 18, the youngest being between age 0 and age 1	\$19,020	\$21,804	\$20,110	\$24,040
3. Married mother who is employed part-time, with three children under age 18, the youngest being between age 1 and age 2	\$27,549	\$28,777	\$29,127	\$32,065
4. Married mother who is employed part-time, with three children under age 18, the youngest being between age 2 and age 3	\$27,625	\$28,540	\$29,207	\$30,960
5. Married mother who is employed part-time, with three children under age 18, the youngest being between age 3 and age 4	\$27,549	\$27,961	\$29,127	\$28,668
6. Married mother who is employed part-time, with three children under age 18, the youngest being between age 4 and age 5	\$27,549	\$26,141	\$29,127	\$28,103
7. Married mother who is employed part-time, with three children under age 18, the youngest being between age 5 and age 6	\$27,549	\$26,231	\$29,127	\$28,047
8. Married mother who is employed full-time, with three children under age 18, the youngest being between age 6 and age 7	\$27,625	\$20,647	\$23,345	\$23,224
9. Married mother who is employed full-time, with three children under age 18, the youngest being between age 7 and age 8	\$21,855	\$20,533	\$23,281	\$21,983
10. Married mother who is employed full-time, with three children under age 18, the youngest being between age 8 and age 9	\$21,855	\$20,416	\$23,281	\$21,609
11. Married mother who is employed full-time, with three children under age 18, the youngest being between age 9 and age 10	\$21,855	\$19,434	\$23,281	\$18,482
12. Married mother who is employed full-time, with three children under age 18, the youngest being between age 10 and age 11	\$21,915	\$20,068	\$23,281	\$24,405
13. Married mother who is employed full-time, with three children under age 18, the youngest being between age 11 and age 12	\$21,855	\$18,928	\$23,281	\$18,674
14. Married mother who is employed full-time, with three children under age 18, the youngest being between age 12 and age 13	\$19,161	\$16,634	\$20,411	\$21,515
15. Married mother who is employed full-time, with two children under age 18, the youngest being between age 12 and age 13	\$2,694	\$2,334	\$2,647	\$2,160
Subtotals, Age 0 Through 12, Total Offset	\$325,030	\$308,390	\$338,732	\$334,890
Subtotals, Age 0 Through 12, 1% Net Discount Rate	\$307,574	\$292,624	\$320,553	\$317,688
Subtotals, Age 0 Through 12, 2% Net Discount Rate	\$291,603	\$278,185	\$303,927	\$301,944
16. Married mother who is employed full-time, two children under age 18, the youngest being between age 13 and age 14	\$17,286	\$18,469	\$21,467	\$19,571
17. Married mother who is employed full-time, two children under age 18, the youngest being between age 14 and age 15	\$15,913	\$16,971	\$19,762	\$17,962
18. Married mother who is employed full-time, one child between age 14 and age 15	\$1,421	\$1,515	\$1,592	\$1,445
19. Married mother who is employed full-time, one child between age 15 and age 16	\$17,286	\$17,419	\$19,374	\$17,197
20. Married mother who is employed full-time, one child between age 16 and age 17	\$17,286	\$15,641	\$19,374	\$15,974
21. Married mother who is employed full-time, one child between age 17 and age 18	\$17,286	\$16,312	\$19,374	\$16,552
Subtotals Age 13 Through Age 17, Total Offset	\$86,478	\$86,329	\$100,944	\$88,701
Subtotals Age 13 Through Age 17, 1% Net Discount Rate	\$74,496	\$74,428	\$87,009	\$76,491
Subtotals Age 13 Through Age 17, 1% Net Discount Rate	\$65,540	\$65,480	\$76,549	\$67,296
Totals for Age 0 to Through Age 17, Total Offset	\$411,508	\$394,718	\$439,676	\$423,591
Totals for Age 0 to Through Age 17, 1% Net Discount Rate	\$382,069	\$367,052	\$407,562	\$394,179
Totals for Age 0 to Through Age 17, 2% Net Discount Rate	\$357,143	\$343,665	\$380,476	\$369,240

## **APPENDIX**

SAMPLE CASE TABLE 1

ESTIMATED VALUE OF HOUSHOLD SERVICES THAT WOULD HAVE BEEN PERFORMED BY JANE DOE, DECEASED  
 Married mother who is a homemaker with three children under age 18, the youngest being between age 0 and age 1

PART A. HOUSEHOLD WORK HOURS (a)

Time Use Category	1. Married females that are homemakers, youngest child under age 13--T103 (a)		2. Married homemaker mothers, youngest child between age 0 and age 1 (b)		3. Married homemaker mothers with three or more children under age 18 (c)		4. Married homemaker mothers, youngest child age 0-1, 3 or more children (d)	
	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours
Inside Housework	10.83	563.23	9.44	490.88	12.02	625.04		
Food Cooking & Cleanup	10.32	536.64	9.81	510.12	11.76	611.52		
Pets, Home and Vehicles	1.97	102.44	1.18	61.36	1.86	96.72		
Household Management	1.30	67.60	1.30	67.60	1.36	70.72		
Shopping	4.21	218.92	3.88	201.76	4.14	215.28		
Obtaining Services	0.15	7.80	0.13	6.76	0.17	8.84		
Travel for Household Activity	2.57	133.64	2.37	123.24	2.60	135.20		
<b>Total Household Production</b>	<b>31.35</b>	<b>1,630.27</b>	<b>28.11</b>	<b>1,461.72</b>	<b>33.91</b>	<b>1,763.32</b>	31.54	1,640.08
Household Children	19.12	994.24	26.24	1,364.48	20.12	1,046.24		
Household Adults	0.20	10.40	0.31	16.12	0.17	8.84		
Travel for Household Members	2.22	115.44	1.64	85.28	2.81	146.12		
<b>Caring and Helping--Household Members</b>	<b>21.54</b>	<b>1,120.08</b>	<b>28.19</b>	<b>1,465.88</b>	<b>23.10</b>	<b>1,201.20</b>	30.33	1,576.90
Non-Household Members	0.58	30.16	0.40	20.80	0.55	28.60		
Travel for Non-Household Members	0.30	15.60	0.29	15.08	0.33	17.16		
<b>Caring and Helping--Non-Household Members</b>	<b>0.88</b>	<b>45.76</b>	<b>0.69</b>	<b>35.88</b>	<b>0.88</b>	<b>45.76</b>	0.79	40.82

PART B. REPLACEMENT HOURLY WAGE (a)

Time Use Category	1. Married females that are homemakers, youngest child under age 13--T103 (a)		2. Married homemaker mothers, youngest child between age 0 and age 1 (b)		3. Married homemaker mothers with three or more children under age 18 (c)		4. Married homemaker mothers, youngest child age 0-1, 3 or more children (d)	
	Time Weights	Hourly Wage (a)	Time Weights	Hourly Wage	Time Weights	Hourly Wage	Time Weights	Hourly Wage
Inside Housework	0.345	\$12.24	0.336	\$12.24	0.354	\$12.24		
Food Cooking & Cleanup	0.329	\$11.84	0.349	\$11.84	0.347	\$11.84		
Pets, Home and Vehicles	0.063	\$14.16	0.042	\$14.16	0.055	\$14.16		
Household Management	0.041	\$18.19	0.046	\$18.19	0.040	\$18.19		
Shopping	0.134	\$12.90	0.138	\$12.90	0.122	\$12.90		
Obtaining Services	0.005	\$15.54	0.005	\$15.54	0.005	\$15.54		
Travel for Household Activity	0.082	\$13.88	0.084	\$13.88	0.077	\$13.88		
<b>Total Household Production</b>	<b>1.000</b>	<b>\$12.71</b>	<b>1.000</b>	<b>\$12.70</b>	<b>1.000</b>	<b>\$12.67</b>		<b>\$12.68</b>
Household Children	0.888	\$12.69	0.931	\$12.69	0.871	\$12.69		
Household Adults	0.009	\$12.48	0.011	\$12.48	0.007	\$12.48		
Travel for Household Members	0.103	\$15.59	0.058	\$15.59	0.122	\$15.59		
<b>Caring and Helping--Household Members</b>	<b>1.000</b>	<b>\$12.99</b>	<b>1.000</b>	<b>\$12.86</b>	<b>1.000</b>	<b>\$13.04</b>		<b>\$12.95</b>
Non-Household Members	0.659	12.93	0.580	12.93	0.625	12.93		
Travel for Non-Household Members	0.341	\$15.59	0.420	\$15.59	0.375	\$15.59		
<b>Caring and Helping--Non-Household Members</b>	<b>1.000</b>	<b>\$13.84</b>	<b>1.000</b>	<b>\$14.05</b>	<b>1.000</b>	<b>\$13.93</b>		<b>\$13.99</b>

PART C. ANNUAL REPLACEMENT COST OF LOSS OF HOUSEHOLD PRODUCTION AND CARING AND HELPING--HOUSEHOLD MEMBERS

	Computing Replacement Value Lost in Period for #1	Computing Replacement Value Lost in Period for #2	Computing Replacement Value Lost in Period for #3	Computing Replacement Value Lost in Period for #4
Household Production	1,630.27	1,461.72	1,763.32	1,640.08
Caring and Helping--Household Members	1,120.08	1,465.88	1,201.20	1,576.90
Total Hours	2,750.35	2,927.60	2,964.52	3,216.98
Hourly Wage for Household Production	\$12.71	\$12.70	\$12.67	\$12.68
Hourly Wage for Caring and Helping	\$12.99	\$12.86	\$13.04	\$12.95
Weighted Average Hourly Wage	\$12.83	\$12.78	\$12.82	\$12.81
<b>Annual Replacement Cost</b>	<b>\$35,275</b>	<b>\$37,411</b>	<b>\$38,003</b>	<b>\$41,222</b>
Beginning of Period	11/04/09	11/04/09	11/04/09	11/04/09
End of Period	02/09/10	02/09/10	02/09/10	02/09/10
Length of Period in Years and Fractional Equivalent	0.266	0.266	0.266	0.266
<b>Total Lost Replacement Value for Period</b>	<b>\$9,374</b>	<b>\$9,942</b>	<b>\$10,099</b>	<b>\$10,955</b>

(a) Source: Expectancy Data, "The Dollar Value of a Day, Time Dairy Analysis, 2013 Dollar Valuation (DVD)," Shawnee Mission, Kansas, 2014 (DVD), Table 103, and Table 1 of this paper.

(b) Source: Table 4 of this paper.

(c) Source: Table 14 of this paper.

(d) Source: Table 21 of this paper. The amount of caring and helping for non-household members is estimated as the average of the amount of such time that is shown in #2 and #3, and that amount is deducted from total caring and helping time to estimate the amount of caring and helping time that is devoted to household members. Hourly wages are estimated as the average of the hourly wages shown in #2 and #3.

SAMPLE CASE TABLE 2

ESTIMATED VALUE OF HOUSHOLD SERVICES THAT WOULD HAVE BEEN PERFORMED BY JANE DOE, DECEASED  
 Married mother who is employed part-time, with three children under age 18, the youngest being between age 0 and age 1

PART A. HOUSEHOLD WORK HOURS (a)

Time Use Category	1. Married females employed part-time, youngest child under age 13--T82 (a)		2. Married mothers employed part-time youngest child between age 0 and age 1 (b)		3. Married mothers employed part-time with three or more children under age 18 (c)		4. Married mothers employed part-time youngest child age 0-1, 3 or more kids (d)	
	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours
Inside Housework	7.82	406.64	6.40	332.80	8.33	433.16		
Food Cooking & Cleanup	7.02	365.04	6.82	354.64	7.97	414.44		
Pets, Home and Vehicles	1.80	93.60	0.79	41.08	1.74	90.48		
Household Management	1.40	72.80	1.33	69.16	1.26	65.52		
Shopping	3.79	197.08	2.99	155.48	3.90	202.80		
Obtaining Services	0.12	6.24	0.13	6.76	0.15	7.80		
Travel for Household Activity	2.38	123.76	2.10	109.20	2.51	130.52		
<b>Total Household Production</b>	<b>24.33</b>	<b>1,265.16</b>	<b>20.56</b>	<b>1,069.12</b>	<b>25.86</b>	<b>1,344.72</b>		
Household Children	14.20	738.40	25.22	1,311.44	14.64	761.28	24.20	1,258.40
Household Adults	0.20	10.40	0.10	5.20	0.21	10.92		
Travel for Household Members	2.15	111.80	1.40	72.80	2.59	134.68		
<b>Caring and Helping--Household Members</b>	<b>16.55</b>	<b>860.60</b>	<b>26.72</b>	<b>1,389.44</b>	<b>17.44</b>	<b>906.88</b>	<b>27.67</b>	<b>1,438.58</b>
Non-Household Members	0.52	27.04	0.66	34.32	0.46	23.92		
Travel for Non-Household Members	0.29	15.08	0.20	10.40	0.25	13.00		
<b>Caring and Helping--Non-Household Members</b>	<b>0.81</b>	<b>42.12</b>	<b>0.86</b>	<b>44.72</b>	<b>0.71</b>	<b>36.92</b>	<b>0.79</b>	<b>40.82</b>

PART B. REPLACEMENT HOURLY WAGE (a)

Time Use Category	Time Weights	Hourly Wage (a)	Time Weights	Hourly Wage	Time Weights	Hourly Wage	Time Weights	Hourly Wage
	Inside Housework	0.321	\$12.24	0.311	\$12.24	0.322	\$12.24	
Food Cooking & Cleanup	0.289	\$11.84	0.332	\$11.84	0.308	\$11.84		
Pets, Home and Vehicles	0.074	\$14.16	0.038	\$14.16	0.067	\$14.16		
Household Management	0.058	\$18.19	0.065	\$18.19	0.049	\$18.19		
Shopping	0.156	\$12.90	0.145	\$12.90	0.151	\$12.90		
Obtaining Services	0.005	\$15.54	0.006	\$15.54	0.006	\$15.54		
Travel for Household Activity	0.098	\$13.88	0.102	\$13.88	0.097	\$13.88		
<b>Total Household Production</b>	<b>1.000</b>	<b>\$12.89</b>	<b>1.000</b>	<b>\$12.85</b>	<b>1.000</b>	<b>\$12.81</b>		<b>\$12.83</b>
Household Children	0.858	\$12.69	0.944	\$12.69	0.839	\$12.69		
Household Adults	0.012	\$12.48	0.004	\$12.48	0.012	\$12.48		
Travel for Household Members	0.130	\$15.59	0.052	\$15.59	0.149	\$15.59		
<b>Caring and Helping--Household Members</b>	<b>1.000</b>	<b>\$13.06</b>	<b>1.000</b>	<b>\$12.84</b>	<b>1.000</b>	<b>\$13.12</b>		<b>\$12.98</b>
Non-Household Members	0.642	12.93	0.767	12.93	0.648	12.93		
Travel for Non-Household Members	0.358	\$15.59	0.233	\$15.59	0.352	\$15.59		
<b>Caring and Helping--Non-Household Members</b>	<b>1.000</b>	<b>\$13.88</b>	<b>1.000</b>	<b>\$13.55</b>	<b>1.000</b>	<b>\$13.87</b>		<b>\$13.71</b>

PART C. ANNUAL REPLACEMENT COST OF LOSS OF HOUSEHOLD PRODUCTION AND CARING AND HELPING--HOUSEHOLD MEMBERS

	Computing Replacement Value Lost in Period for #1	Computing Replacement Value Lost in Period for #2	Computing Replacement Value Lost in Period for #3	Computing Replacement Value Lost in Period for #4
Household Production	1,265.16	1,069.12	1,344.72	1,258.40
Caring and Helping--Household Members	860.60	1,389.44	906.88	1,438.58
Total Hours	2,125.76	2,458.56	2,251.60	2,696.98
Hourly Wage for Household Production	\$12.89	\$12.85	\$12.81	\$12.83
Hourly Wage for Caring and Helping	\$13.06	\$12.84	\$13.12	\$12.98
Weighted Average Hourly Wage	\$12.96	\$12.85	\$12.94	\$12.91
<b>Annual Replacement Cost</b>	<b>\$27,549</b>	<b>\$31,581</b>	<b>\$29,127</b>	<b>\$34,820</b>
Beginning of Period	02/09/10	02/09/10	02/09/10	02/09/10
End of Period	10/19/10	10/19/10	10/19/10	10/19/10
Length of Period in Years and Fractional Equivalent	0.690	0.690	0.690	0.690
<b>Total Lost Replacement Value for Period</b>	<b>\$19,020</b>	<b>\$21,804</b>	<b>\$20,110</b>	<b>\$24,040</b>

(a) Source: Expectancy Data, "The Dollar Value of a Day, Time Dairy Analysis, 2013 Dollar Valuation (DVD)," Shawnee Mission, Kansas, 2014 (DVD), and Table 1 of this paper.

(b) Source: Table 3 of this paper.

(c) Source: Table 14 of this paper.

(d) Source: Table 20 of this paper. The amount of caring and helping for non-household members is estimated as the average of the amount of such time that is shown in #2 and #3, and that amount is deducted from total caring helping time to estimate the amount of caring and helping time that is devoted to household members. Hourly wages are estimated as the average of the hourly wages shown in #2 and #3.

SAMPLE CASE TABLE 3

ESTIMATED VALUE OF HOUSHOLD SERVICES THAT WOULD HAVE BEEN PERFORMED BY JANE DOE, DECEASED  
 Married mother who is employed part-time, with three children under age 18, the youngest being between age 1 and age 2

PART A. HOUSEHOLD WORK HOURS (a)

Time Use Category	1. Married females employed part-time, youngest child under age 13--T82 (a)		2. Married mothers employed part-time youngest child between age 1 and age 2 (b)		3. Married mothers employed part-time with three or more children under age 18 (c)		4. Married mothers employed part-time youngest child age 1-2, 3 or more kids (d)	
	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours
Inside Housework	7.82	406.64	6.63	344.76	8.33	433.16		
Food Cooking & Cleanup	7.02	365.04	6.75	351.00	7.97	414.44		
Pets, Home and Vehicles	1.80	93.60	1.64	85.28	1.74	90.48		
Household Management	1.40	72.80	0.99	51.48	1.26	65.52		
Shopping	3.79	197.08	3.28	170.56	3.90	202.80		
Obtaining Services	0.12	6.24	0.15	7.80	0.15	7.80		
Travel for Household Activity	2.38	123.76	2.17	112.84	2.51	130.52		
<b>Total Household Production</b>	<b>24.33</b>	<b>1,265.16</b>	<b>21.61</b>	<b>1,123.72</b>	<b>25.86</b>	<b>1,344.72</b>	<b>25.55</b>	<b>1,328.60</b>
Household Children	14.20	738.40	19.30	1,003.60	14.64	761.28		
Household Adults	0.20	10.40	0.22	11.44	0.21	10.92		
Travel for Household Members	2.15	111.80	1.84	95.68	2.59	134.68		
<b>Caring and Helping--Household Members</b>	<b>16.55</b>	<b>860.60</b>	<b>21.36</b>	<b>1,110.72</b>	<b>17.44</b>	<b>906.88</b>	<b>22.20</b>	<b>1,154.14</b>
Non-Household Members	0.52	27.04	0.26	13.52	0.46	23.92		
Travel for Non-Household Members	0.29	15.08	0.24	12.48	0.25	13.00		
<b>Caring and Helping--Non-Household Members</b>	<b>0.81</b>	<b>42.12</b>	<b>0.50</b>	<b>26.00</b>	<b>0.71</b>	<b>36.92</b>	<b>0.61</b>	<b>31.46</b>

PART B. REPLACEMENT HOURLY WAGE (a)

Time Use Category	Time Weights	Hourly Wage (a)	Time Weights	Hourly Wage	Time Weights	Hourly Wage	Time Weights	Hourly Wage
	Inside Housework	0.321	\$12.24	0.307	\$12.24	0.322	\$12.24	
Food Cooking & Cleanup	0.289	\$11.84	0.312	\$11.84	0.308	\$11.84		
Pets, Home and Vehicles	0.074	\$14.16	0.076	\$14.16	0.067	\$14.16		
Household Management	0.058	\$18.19	0.046	\$18.19	0.049	\$18.19		
Shopping	0.156	\$12.90	0.152	\$12.90	0.151	\$12.90		
Obtaining Services	0.005	\$15.54	0.007	\$15.54	0.006	\$15.54		
Travel for Household Activity	0.098	\$13.88	0.100	\$13.88	0.097	\$13.88		
<b>Total Household Production</b>	<b>1.000</b>	<b>\$12.89</b>	<b>1.000</b>	<b>\$12.82</b>	<b>1.000</b>	<b>\$12.81</b>		<b>\$12.82</b>
Household Children	0.858	\$12.69	0.904	\$12.69	0.839	\$12.69		
Household Adults	0.012	\$12.48	0.010	\$12.48	0.012	\$12.48		
Travel for Household Members	0.130	\$15.59	0.086	\$15.59	0.149	\$15.59		
<b>Caring and Helping--Household Members</b>	<b>1.000</b>	<b>\$13.06</b>	<b>1.000</b>	<b>\$12.94</b>	<b>1.000</b>	<b>\$13.12</b>		<b>\$13.03</b>
Non-Household Members	0.642	12.93	0.520	12.93	0.648	12.93		
Travel for Non-Household Members	0.358	\$15.59	0.480	\$15.59	0.352	\$15.59		
<b>Caring and Helping--Non-Household Members</b>	<b>1.000</b>	<b>\$13.88</b>	<b>1.000</b>	<b>\$14.21</b>	<b>1.000</b>	<b>\$13.87</b>		<b>\$14.04</b>

PART C. ANNUAL REPLACEMENT COST OF LOSS OF HOUSEHOLD PRODUCTION AND CARING AND HELPING--HOUSEHOLD MEMBERS

	Computing Replacement Value Lost in Period for #1	Computing Replacement Value Lost in Period for #2	Computing Replacement Value Lost in Period for #3	Computing Replacement Value Lost in Period for #4
Household Production	1,265.16	1,123.72	1,344.72	1,328.60
Caring and Helping--Household Members	860.60	1,110.72	906.88	1,154.14
<b>Total Hours</b>	<b>2,125.76</b>	<b>2,234.44</b>	<b>2,251.60</b>	<b>2,482.74</b>
Hourly Wage for Household Production	\$12.89	\$12.82	\$12.81	\$12.82
Hourly Wage for Caring and Helping	\$13.06	\$12.94	\$13.12	\$13.03
Weighted Average Hourly Wage	\$12.96	\$12.88	\$12.94	\$12.92
<b>Annual Replacement Cost</b>	<b>\$27,549</b>	<b>\$28,777</b>	<b>\$29,127</b>	<b>\$32,065</b>
Beginning of Period	10/19/10	10/19/10	10/19/10	10/19/10
End of Period	10/19/11	10/19/11	10/19/11	10/19/11
Length of Period in Years and Fractional Equivalent	1.000	1.000	1.000	1.000
<b>Total Lost Replacement Value for Period</b>	<b>\$27,549</b>	<b>\$28,777</b>	<b>\$29,127</b>	<b>\$32,065</b>

(a) Source: Expectancy Data, "The Dollar Value of a Day, Time Dairy Analysis, 2013 Dollar Valuation (DVD)," Shawnee Mission, Kansas, 2014 (DVD), and Table 1 of this paper.

(b) Source: Table 3 of this paper.

(c) Source: Table 14 of this paper.

(d) Source: Table 20 of this paper. The amount of caring and helping for non-household members is estimated as the average of the amount of such time that is shown in #2 and #3, and that amount is deducted from total caring and helping time to estimate the amount of caring and helping time that is devoted to household members. Hourly wages are estimated as the average of the hourly wages shown in #2 and #3.

SAMPLE CASE TABLE 4

ESTIMATED VALUE OF HOUSHOLD SERVICES THAT WOULD HAVE BEEN PERFORMED BY JANE DOE, DECEASED  
 Married mother who is employed part-time, with three children under age 18, the youngest being between age 2 and age 3

PART A. HOUSEHOLD WORK HOURS (a)

Time Use Category	1. Married females employed part-time, youngest child under age 13--T82 (a)		2. Married mothers employed part-time youngest child between age 2 and age 3 (b)		3. Married mothers employed part-time with three or more children under age 18 (c)		4. Married mothers employed part-time youngest child age 2-3, 3 or more kids (d)	
	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours
Inside Housework	7.82	406.64	7.02	365.04	8.33	433.16		
Food Cooking & Cleanup	7.02	365.04	6.67	346.84	7.97	414.44		
Pets, Home and Vehicles	1.80	93.60	1.35	70.20	1.74	90.48		
Household Management	1.40	72.80	1.56	81.12	1.26	65.52		
Shopping	3.79	197.08	3.80	197.60	3.90	202.80		
Obtaining Services	0.12	6.24	0.07	3.64	0.15	7.80		
Travel for Household Activity	2.38	123.76	2.23	115.96	2.51	130.52		
<b>Total Household Production</b>	<b>24.33</b>	<b>1,265.16</b>	<b>22.70</b>	<b>1,180.40</b>	<b>25.86</b>	<b>1,344.72</b>	<b>24.36</b>	<b>1,266.72</b>
Household Children	14.20	738.40	17.44	906.88	14.64	761.28		
Household Adults	0.20	10.40	0.15	7.80	0.21	10.92		
Travel for Household Members	2.15	111.80	1.97	102.44	2.59	134.68		
<b>Caring and Helping--Household Members</b>	<b>16.55</b>	<b>860.60</b>	<b>19.56</b>	<b>1,017.12</b>	<b>17.44</b>	<b>906.88</b>	<b>21.48</b>	<b>1,116.70</b>
Non-Household Members	0.52	27.04	0.60	31.20	0.46	23.92		
Travel for Non-Household Members	0.29	15.08	0.28	14.56	0.25	13.00		
<b>Caring and Helping--Non-Household Members</b>	<b>0.81</b>	<b>42.12</b>	<b>0.88</b>	<b>45.76</b>	<b>0.71</b>	<b>36.92</b>	<b>0.80</b>	<b>41.34</b>

PART B. REPLACEMENT HOURLY WAGE (a)

Time Use Category	1. Married females employed part-time, youngest child under age 13--T82 (a)		2. Married mothers employed part-time youngest child between age 2 and age 3 (b)		3. Married mothers employed part-time with three or more children under age 18 (c)		4. Married mothers employed part-time youngest child age 2-3, 3 or more kids (d)	
	Time Weights	Hourly Wage (a)	Time Weights	Hourly Wage	Time Weights	Hourly Wage	Time Weights	Hourly Wage
Inside Housework	0.321	\$12.24	0.309	\$12.24	0.322	\$12.24		
Food Cooking & Cleanup	0.289	\$11.84	0.294	\$11.84	0.308	\$11.84		
Pets, Home and Vehicles	0.074	\$14.16	0.059	\$14.16	0.067	\$14.16		
Household Management	0.058	\$18.19	0.069	\$18.19	0.049	\$18.19		
Shopping	0.156	\$12.90	0.167	\$12.90	0.151	\$12.90		
Obtaining Services	0.005	\$15.54	0.003	\$15.54	0.006	\$15.54		
Travel for Household Activity	0.098	\$13.88	0.098	\$13.88	0.097	\$13.88		
<b>Total Household Production</b>	<b>1.000</b>	<b>\$12.89</b>	<b>1.000</b>	<b>\$12.93</b>	<b>1.000</b>	<b>\$12.81</b>		<b>\$12.87</b>
Household Children	0.858	\$12.69	0.892	\$12.69	0.839	\$12.69		
Household Adults	0.012	\$12.48	0.008	\$12.48	0.012	\$12.48		
Travel for Household Members	0.130	\$15.59	0.101	\$15.59	0.149	\$15.59		
<b>Caring and Helping--Household Members</b>	<b>1.000</b>	<b>\$13.06</b>	<b>1.000</b>	<b>\$12.98</b>	<b>1.000</b>	<b>\$13.12</b>		<b>\$13.05</b>
Non-Household Members	0.642	12.93	0.682	12.93	0.648	12.93		
Travel for Non-Household Members	0.358	\$15.59	0.318	\$15.59	0.352	\$15.59		
<b>Caring and Helping--Non-Household Members</b>	<b>1.000</b>	<b>\$13.88</b>	<b>1.000</b>	<b>\$13.78</b>	<b>1.000</b>	<b>\$13.87</b>		<b>\$13.82</b>

PART C. ANNUAL REPLACEMENT COST OF LOSS OF HOUSEHOLD PRODUCTION AND CARING AND HELPING--HOUSEHOLD MEMBERS

	Computing Replacement Value Lost in Period for #1	Computing Replacement Value Lost in Period for #2	Computing Replacement Value Lost in Period for #3	Computing Replacement Value Lost in Period for #4
Household Production	1,265.16	1,180.40	1,344.72	1,266.72
Caring and Helping--Household Members	860.60	1,017.12	906.88	1,116.70
<b>Total Hours</b>	<b>2,125.76</b>	<b>2,197.52</b>	<b>2,251.60</b>	<b>2,383.42</b>
Hourly Wage for Household Production	\$12.89	\$12.93	\$12.81	\$12.87
Hourly Wage for Caring and Helping	\$13.06	\$12.98	\$13.12	\$13.05
Weighted Average Hourly Wage	\$12.96	\$12.95	\$12.94	\$12.95
<b>Annual Replacement Cost</b>	<b>\$27,549</b>	<b>\$28,462</b>	<b>\$29,127</b>	<b>\$30,875</b>
Beginning of Period	10/19/11	10/19/11	10/19/11	10/19/11
End of Period	10/19/12	10/19/12	10/19/12	10/19/12
Length of Period in Years and Fractional Equivalent	1.003	1.003	1.003	1.003
<b>Total Lost Replacement Value for Period</b>	<b>\$27,625</b>	<b>\$28,540</b>	<b>\$29,207</b>	<b>\$30,960</b>

(a) Source: Expectancy Data, "The Dollar Value of a Day, Time Dairy Analysis, 2013 Dollar Valuation (DVD)," Shawnee Mission, Kansas, 2014 (DVD), and Table 1 of this paper.

(b) Source: Table 3 of this paper.

(c) Source: Table 14 of this paper.

(d) Source: Table 20 of this paper. The amount of caring and helping for non-household members is estimated as the average of the amount of such time that is shown in #2 and #3, and that amount is deducted from total caring a helping time to estimate the amount of caring and helping time that is devoted to household members. Hourly wages are estimated as the average of the hourly wages shown in #2 and #3.

SAMPLE CASE TABLE 5

ESTIMATED VALUE OF HOUSHOLD SERVICES THAT WOULD HAVE BEEN PERFORMED BY JANE DOE, DECEASED  
 Married mother who is employed part-time, with three children under age 18, the youngest being between age 3 and age 4

PART A. HOUSEHOLD WORK HOURS (a)

Time Use Category	1. Married females employed part-time, youngest child under age 13--T82 (a)		2. Married mothers employed part-time youngest child between age 3 and age 4 (b)		3. Married mothers employed part-time with three or more children under age 18 (c)		4. Married mothers employed part-time youngest child age 3-4, 3 or more kids (d)	
	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours
Inside Housework	7.82	406.64	7.78	404.56	8.33	433.16		
Food Cooking & Cleanup	7.02	365.04	7.39	384.28	7.97	414.44		
Pets, Home and Vehicles	1.80	93.60	1.11	57.72	1.74	90.48		
Household Management	1.40	72.80	1.46	75.92	1.26	65.52		
Shopping	3.79	197.08	3.58	186.16	3.90	202.80		
Obtaining Services	0.12	6.24	0.19	9.88	0.15	7.80		
Travel for Household Activity	2.38	123.76	2.29	119.08	2.51	130.52		
<b>Total Household Production</b>	<b>24.33</b>	<b>1,265.16</b>	<b>23.80</b>	<b>1,237.60</b>	<b>25.86</b>	<b>1,344.72</b>	<b>24.87</b>	<b>1,293.24</b>
Household Children	14.20	738.40	15.17	788.84	14.64	761.28		
Household Adults	0.20	10.40	0.15	7.80	0.21	10.92		
Travel for Household Members	2.15	111.80	2.40	124.80	2.59	134.68		
<b>Caring and Helping--Household Members</b>	<b>16.55</b>	<b>860.60</b>	<b>17.72</b>	<b>921.44</b>	<b>17.44</b>	<b>906.88</b>	<b>17.72</b>	<b>921.44</b>
Non-Household Members	0.52	27.04	0.23	11.96	0.46	23.92		
Travel for Non-Household Members	0.29	15.08	0.16	8.32	0.25	13.00		
<b>Caring and Helping--Non-Household Members</b>	<b>0.81</b>	<b>42.12</b>	<b>0.39</b>	<b>20.28</b>	<b>0.71</b>	<b>36.92</b>	<b>0.55</b>	<b>28.60</b>

PART B. REPLACEMENT HOURLY WAGE (a)

Time Use Category	Time Weights	Hourly Wage (a)	Time Weights	Hourly Wage	Time Weights	Hourly Wage	Time Weights	Hourly Wage
	Inside Housework	0.321	\$12.24	0.327	\$12.24	0.322	\$12.24	
Food Cooking & Cleanup	0.289	\$11.84	0.311	\$11.84	0.308	\$11.84		
Pets, Home and Vehicles	0.074	\$14.16	0.047	\$14.16	0.067	\$14.16		
Household Management	0.058	\$18.19	0.061	\$18.19	0.049	\$18.19		
Shopping	0.156	\$12.90	0.150	\$12.90	0.151	\$12.90		
Obtaining Services	0.005	\$15.54	0.008	\$15.54	0.006	\$15.54		
Travel for Household Activity	0.098	\$13.88	0.096	\$13.88	0.097	\$13.88		
<b>Total Household Production</b>	<b>1.000</b>	<b>\$12.89</b>	<b>1.000</b>	<b>\$12.85</b>	<b>1.000</b>	<b>\$12.81</b>		<b>\$12.83</b>
Household Children	0.858	\$12.69	0.856	\$12.69	0.839	\$12.69		
Household Adults	0.012	\$12.48	0.008	\$12.48	0.012	\$12.48		
Travel for Household Members	0.130	\$15.59	0.135	\$15.59	0.149	\$15.59		
<b>Caring and Helping--Household Members</b>	<b>1.000</b>	<b>\$13.06</b>	<b>1.000</b>	<b>\$13.08</b>	<b>1.000</b>	<b>\$13.12</b>		<b>\$13.10</b>
Non-Household Members	0.642	12.93	0.590	12.93	0.648	12.93		
Travel for Non-Household Members	0.358	\$15.59	0.410	\$15.59	0.352	\$15.59		
<b>Caring and Helping--Non-Household Members</b>	<b>1.000</b>	<b>\$13.88</b>	<b>1.000</b>	<b>\$14.02</b>	<b>1.000</b>	<b>\$13.87</b>		<b>\$13.94</b>

PART C. ANNUAL REPLACEMENT COST OF LOSS OF HOUSEHOLD PRODUCTION AND CARING AND HELPING--HOUSEHOLD MEMBERS

	Computing Replacement Value Lost in Period for #1	Computing Replacement Value Lost in Period for #2	Computing Replacement Value Lost in Period for #3	Computing Replacement Value Lost in Period for #4
Household Production	1,265.16	1,237.60	1,344.72	1,293.24
Caring and Helping--Household Members	860.60	921.44	906.88	921.44
Total Hours	2,125.76	2,159.04	2,251.60	2,214.68
Hourly Wage for Household Production	\$12.89	\$12.85	\$12.81	\$12.83
Hourly Wage for Caring and Helping	\$13.06	\$13.08	\$13.12	\$13.10
Weighted Average Hourly Wage	\$12.96	\$12.95	\$12.94	\$12.94
<b>Annual Replacement Cost</b>	<b>\$27,549</b>	<b>\$27,961</b>	<b>\$29,127</b>	<b>\$28,668</b>
Beginning of Period	10/19/12	10/19/12	10/19/12	10/19/12
End of Period	10/19/13	10/19/13	10/19/13	10/19/13
Length of Period in Years and Fractional Equivalent	1.000	1.000	1.000	1.000
<b>Total Lost Replacement Value for Period</b>	<b>\$27,549</b>	<b>\$27,961</b>	<b>\$29,127</b>	<b>\$28,668</b>

(a) Source: Expectancy Data, "The Dollar Value of a Day, Time Dairy Analysis, 2013 Dollar Valuation (DVD)," Shawnee Mission, Kansas, 2014 (DVD), and Table 1 of this paper.

(b) Source: Table 3 of this paper.

(c) Source: Table 14 of this paper.

(d) Source: Table 20 of this paper. The amount of caring and helping for non-household members is estimated as the average of the amount of such time that is shown in #2 and #3, and that amount is deducted from total caring and helping time to estimate the amount of caring and helping time that is devoted to household members. Hourly wages are estimated as the average of the hourly wages shown in #2 and #3.

SAMPLE CASE TABLE 6

ESTIMATED VALUE OF HOUSHOLD SERVICES THAT WOULD HAVE BEEN PERFORMED BY JANE DOE, DECEASED  
 Married mother who is employed part-time, with three children under age 18, the youngest being between age 4 and age 5

PART A. HOUSEHOLD WORK HOURS (a)

Time Use Category	1. Married females employed part-time, youngest child under age 13--T82 (a)		2. Married mothers employed part-time, youngest child between age 4 and age 5 (b)		3. Married mothers employed part-time with three or more children under age 18 (c)		4. Married mothers employed part-time, youngest child age 4-5, 3 or more kids (d)	
	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours
Inside Housework	7.82	406.64	8.21	426.92	8.33	433.16		
Food Cooking & Cleanup	7.02	365.04	6.41	333.32	7.97	414.44		
Pets, Home and Vehicles	1.80	93.60	1.85	96.20	1.74	90.48		
Household Management	1.40	72.80	1.23	63.96	1.26	65.52		
Shopping	3.79	197.08	4.18	217.36	3.90	202.80		
Obtaining Services	0.12	6.24	0.23	11.96	0.15	7.80		
Travel for Household Activity	2.38	123.76	2.51	130.52	2.51	130.52		
<b>Total Household Production</b>	<b>24.33</b>	<b>1,265.16</b>	<b>24.62</b>	<b>1,280.24</b>	<b>25.86</b>	<b>1,344.72</b>	<b>26.24</b>	<b>1,364.48</b>
Household Children	14.20	738.40	11.71	608.92	14.64	761.28		
Household Adults	0.20	10.40	0.19	9.88	0.21	10.92		
Travel for Household Members	2.15	111.80	2.21	114.92	2.59	134.68		
<b>Caring and Helping--Household Members</b>	<b>16.55</b>	<b>860.60</b>	<b>14.11</b>	<b>733.72</b>	<b>17.44</b>	<b>906.88</b>	<b>15.48</b>	<b>804.96</b>
Non-Household Members	0.52	27.04	0.64	33.28	0.46	23.92		
Travel for Non-Household Members	0.29	15.08	0.37	19.24	0.25	13.00		
<b>Caring and Helping--Non-Household Members</b>	<b>0.81</b>	<b>42.12</b>	<b>1.01</b>	<b>52.52</b>	<b>0.71</b>	<b>36.92</b>	<b>0.86</b>	<b>44.72</b>

PART B. REPLACEMENT HOURLY WAGE (a)

Time Use Category	1. Married females employed part-time, youngest child under age 13--T82 (a)		2. Married mothers employed part-time, youngest child between age 4 and age 5 (b)		3. Married mothers employed part-time with three or more children under age 18 (c)		4. Married mothers employed part-time, youngest child age 4-5, 3 or more kids (d)	
	Time Weights	Hourly Wage (a)	Time Weights	Hourly Wage	Time Weights	Hourly Wage	Time Weights	Hourly Wage
Inside Housework	0.321	\$12.24	0.333	\$12.24	0.322	\$12.24		
Food Cooking & Cleanup	0.289	\$11.84	0.260	\$11.84	0.308	\$11.84		
Pets, Home and Vehicles	0.074	\$14.16	0.075	\$14.16	0.067	\$14.16		
Household Management	0.058	\$18.19	0.050	\$18.19	0.049	\$18.19		
Shopping	0.156	\$12.90	0.170	\$12.90	0.151	\$12.90		
Obtaining Services	0.005	\$15.54	0.009	\$15.54	0.006	\$15.54		
Travel for Household Activity	0.098	\$13.88	0.102	\$13.88	0.097	\$13.88		
<b>Total Household Production</b>	<b>1.000</b>	<b>\$12.89</b>	<b>1.000</b>	<b>\$12.89</b>	<b>1.000</b>	<b>\$12.81</b>		<b>\$12.85</b>
Household Children	0.858	\$12.69	0.830	\$12.69	0.839	\$12.69		
Household Adults	0.012	\$12.48	0.013	\$12.48	0.012	\$12.48		
Travel for Household Members	0.130	\$15.59	0.157	\$15.59	0.149	\$15.59		
<b>Caring and Helping--Household Members</b>	<b>1.000</b>	<b>\$13.06</b>	<b>1.000</b>	<b>\$13.14</b>	<b>1.000</b>	<b>\$13.12</b>		<b>\$13.13</b>
Non-Household Members	0.642	12.93	0.634	12.93	0.648	12.93		
Travel for Non-Household Members	0.358	\$15.59	0.366	\$15.59	0.352	\$15.59		
<b>Caring and Helping--Non-Household Members</b>	<b>1.000</b>	<b>\$13.88</b>	<b>1.000</b>	<b>\$13.90</b>	<b>1.000</b>	<b>\$13.87</b>		<b>\$13.89</b>

PART C. ANNUAL REPLACEMENT COST OF LOSS OF HOUSEHOLD PRODUCTION AND CARING AND HELPING--HOUSEHOLD MEMBERS

	Computing Replacement Value Lost in Period for #1	Computing Replacement Value Lost in Period for #2	Computing Replacement Value Lost in Period for #3	Computing Replacement Value Lost in Period for #4
Household Production	1,265.16	1,280.24	1,344.72	1,364.48
Caring and Helping--Household Members	860.60	733.72	906.88	804.96
Total Hours	2,125.76	2,013.96	2,251.60	2,169.44
Hourly Wage for Household Production	\$12.89	\$12.89	\$12.81	\$12.85
Hourly Wage for Caring and Helping	\$13.06	\$13.14	\$13.12	\$13.13
Weighted Average Hourly Wage	\$12.96	\$12.98	\$12.94	\$12.95
<b>Annual Replacement Cost</b>	<b>\$27,549</b>	<b>\$26,141</b>	<b>\$29,127</b>	<b>\$28,103</b>
Beginning of Period	10/19/13	10/19/13	10/19/13	10/19/13
End of Period	10/19/14	10/19/14	10/19/14	10/19/14
Length of Period in Years and Fractional Equivalent	1.000	1.000	1.000	1.000
<b>Total Lost Replacement Value for Period</b>	<b>\$27,549</b>	<b>\$26,141</b>	<b>\$29,127</b>	<b>\$28,103</b>

(a) Source: Expectancy Data, "The Dollar Value of a Day, Time Dairy Analysis, 2013 Dollar Valuation (DVD)," Shawnee Mission, Kansas, 2014 (DVD), and Table 1 of this paper.

(b) Source: Table 3 of this paper.

(c) Source: Table 14 of this paper.

(d) Source: Table 20 of this paper. The amount of caring and helping for non-household members is estimated as the average of the amount of such time that is shown in #2 and #3, and that amount is deducted from total caring and helping time to estimate the amount of caring and helping time that is devoted to household members. Hourly wages are estimated as the average of the hourly wages shown in #2 and #3.



SAMPLE CASE TABLE 7

ESTIMATED VALUE OF HOUSHOLD SERVICES THAT WOULD HAVE BEEN PERFORMED BY JANE DOE, DECEASED  
 Married mother who is employed part-time, with three children under age 18, the youngest being between age 5 and age 6

PART A. HOUSEHOLD WORK HOURS (a)

Time Use Category	1. Married females employed part-time, youngest child under age 13--T82 (a)		2. Married mothers employed part-time youngest child between age 5 and age 6 (b)		3. Married mothers employed part-time with three or more children under age 18 (c)		4. Married mothers employed part-time youngest child age 5-6, 3 or more kids (d)	
	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours
Inside Housework	7.82	406.64	7.46	387.92	8.33	433.16		
Food Cooking & Cleanup	7.02	365.04	6.40	332.80	7.97	414.44		
Pets, Home and Vehicles	1.80	93.60	1.67	86.84	1.74	90.48		
Household Management	1.40	72.80	1.48	76.96	1.26	65.52		
Shopping	3.79	197.08	4.37	227.24	3.90	202.80		
Obtaining Services	0.12	6.24	0.11	5.72	0.15	7.80		
Travel for Household Activity	2.38	123.76	2.41	125.32	2.51	130.52		
<b>Total Household Production</b>	<b>24.33</b>	<b>1,265.16</b>	<b>23.90</b>	<b>1,242.80</b>	<b>25.86</b>	<b>1,344.72</b>	<b>24.84</b>	<b>1,291.68</b>
Household Children	14.20	738.40	12.06	627.12	14.64	761.28		
Household Adults	0.20	10.40	0.31	16.12	0.21	10.92		
Travel for Household Members	2.15	111.80	2.46	127.92	2.59	134.68		
<b>Caring and Helping--Household Members</b>	<b>16.55</b>	<b>860.60</b>	<b>14.83</b>	<b>771.16</b>	<b>17.44</b>	<b>906.88</b>	<b>16.71</b>	<b>868.66</b>
Non-Household Members	0.52	27.04	0.65	33.80	0.46	23.92		
Travel for Non-Household Members	0.29	15.08	0.17	8.84	0.25	13.00		
<b>Caring and Helping--Non-Household Members</b>	<b>0.81</b>	<b>42.12</b>	<b>0.82</b>	<b>42.64</b>	<b>0.71</b>	<b>36.92</b>	<b>0.77</b>	<b>39.78</b>

PART B. REPLACEMENT HOURLY WAGE (a)

Time Use Category	1. Married females employed part-time, youngest child under age 13--T82 (a)		2. Married mothers employed part-time youngest child between age 5 and age 6 (b)		3. Married mothers employed part-time with three or more children under age 18 (c)		4. Married mothers employed part-time youngest child age 5-6, 3 or more kids (d)	
	Time Weights	Hourly Wage (a)	Time Weights	Hourly Wage	Time Weights	Hourly Wage	Time Weights	Hourly Wage
Inside Housework	0.321	\$12.24	0.312	\$12.24	0.322	\$12.24		
Food Cooking & Cleanup	0.289	\$11.84	0.268	\$11.84	0.308	\$11.84		
Pets, Home and Vehicles	0.074	\$14.16	0.070	\$14.16	0.067	\$14.16		
Household Management	0.058	\$18.19	0.062	\$18.19	0.049	\$18.19		
Shopping	0.156	\$12.90	0.183	\$12.90	0.151	\$12.90		
Obtaining Services	0.005	\$15.54	0.005	\$15.54	0.006	\$15.54		
Travel for Household Activity	0.098	\$13.88	0.101	\$13.88	0.097	\$13.88		
<b>Total Household Production</b>	<b>1.000</b>	<b>\$12.89</b>	<b>1.000</b>	<b>\$12.94</b>	<b>1.000</b>	<b>\$12.81</b>		<b>\$12.88</b>
Household Children	0.858	\$12.69	0.813	\$12.69	0.839	\$12.69		
Household Adults	0.012	\$12.48	0.021	\$12.48	0.012	\$12.48		
Travel for Household Members	0.130	\$15.59	0.166	\$15.59	0.149	\$15.59		
<b>Caring and Helping--Household Members</b>	<b>1.000</b>	<b>\$13.06</b>	<b>1.000</b>	<b>\$13.17</b>	<b>1.000</b>	<b>\$13.12</b>		<b>\$13.14</b>
Non-Household Members	0.642	12.93	0.793	12.93	0.648	12.93		
Travel for Non-Household Members	0.358	\$15.59	0.207	\$15.59	0.352	\$15.59		
<b>Caring and Helping--Non-Household Members</b>	<b>1.000</b>	<b>\$13.88</b>	<b>1.000</b>	<b>\$13.48</b>	<b>1.000</b>	<b>\$13.87</b>		<b>\$13.67</b>

PART C. ANNUAL REPLACEMENT COST OF LOSS OF HOUSEHOLD PRODUCTION AND CARING AND HELPING--HOUSEHOLD MEMBERS

	Computing Replacement Value Lost in Period for #1	Computing Replacement Value Lost in Period for #2	Computing Replacement Value Lost in Period for #3	Computing Replacement Value Lost in Period for #4
Household Production	1,265.16	1,242.80	1,344.72	1,291.68
Caring and Helping--Household Members	860.60	771.16	906.88	868.66
<b>Total Hours</b>	<b>2,125.76</b>	<b>2,013.96</b>	<b>2,251.60</b>	<b>2,160.34</b>
Hourly Wage for Household Production	\$12.89	\$12.94	\$12.81	\$12.88
Hourly Wage for Caring and Helping	\$13.06	\$13.17	\$13.12	\$13.14
Weighted Average Hourly Wage	\$12.96	\$13.02	\$12.94	\$12.98
<b>Annual Replacement Cost</b>	<b>\$27,549</b>	<b>\$26,231</b>	<b>\$29,127</b>	<b>\$28,047</b>
Beginning of Period	10/19/14	10/19/14	10/19/14	10/19/14
End of Period	10/19/15	10/19/15	10/19/15	10/19/15
Length of Period in Years and Fractional Equivalent	1.000	1.000	1.000	1.000
<b>Total Lost Replacement Value for Period</b>	<b>\$27,549</b>	<b>\$26,231</b>	<b>\$29,127</b>	<b>\$28,047</b>

(a) Source: Expectancy Data, "The Dollar Value of a Day, Time Dairy Analysis, 2013 Dollar Valuation (DVD)," Shawnee Mission, Kansas, 2014 (DVD), and Table 1 of this paper.

(b) Source: Table 3 of this paper.

(c) Source: Table 14 of this paper.

(d) Source: Table 20 of this paper. The amount of caring and helping for non-household members is estimated as the average of the amount of such time that is shown in #2 and #3, and that amount is deducted from total caring and helping time to estimate the amount of caring and helping time that is devoted to household members. Hourly wages are estimated as the average of the hourly wages shown in #2 and #3.

SAMPLE CASE TABLE 8

ESTIMATED VALUE OF HOUSHOLD SERVICES THAT WOULD HAVE BEEN PERFORMED BY JANE DOE, DECEASED  
 Married mother who is employed full-time, with three children under age 18, the youngest being between age 6 and age 7

PART A. HOUSEHOLD WORK HOURS (a)

Time Use Category	1. Married females employed full-time, youngest child under age 13--T60 (a)		2. Married mothers employed full-time youngest child between age 6 and age 7 (b)		3. Married mothers employed full-time with three or more children under age 18 (c)		4. Married mothers employed full-time youngest child age 6-7, 3 or more kids (d)	
	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours
Inside Housework	7.82	406.64	6.39	332.28	6.88	357.76		
Food Cooking & Cleanup	7.02	365.04	5.69	295.88	6.59	342.68		
Pets, Home and Vehicles	1.80	93.60	1.43	74.36	1.26	65.52		
Household Management	1.40	72.80	0.92	47.84	1.03	53.56		
Shopping	3.79	197.08	2.98	154.96	3.35	174.20		
Obtaining Services	0.12	6.24	0.07	3.64	0.13	6.76		
Travel for Household Activity	2.38	123.76	2.12	110.24	2.23	115.96		
<b>Total Household Production</b>	<b>24.33</b>	<b>1,265.16</b>	<b>19.60</b>	<b>1,019.20</b>	<b>21.47</b>	<b>1,116.44</b>	<b>22.09</b>	<b>1,148.68</b>
Household Children	14.20	738.40	9.26	481.52	10.87	565.24		
Household Adults	0.20	10.40	0.06	3.12	0.10	5.20		
Travel for Household Members	2.15	111.80	1.68	87.36	2.15	111.80		
<b>Caring and Helping--Household Members</b>	<b>16.55</b>	<b>860.60</b>	<b>11.00</b>	<b>572.00</b>	<b>13.12</b>	<b>682.24</b>	<b>12.34</b>	<b>641.42</b>
Non-Household Members	0.52	27.04	0.27	14.04	0.56	29.12		
Travel for Non-Household Members	0.29	15.08	0.26	13.52	0.40	20.80		
<b>Caring and Helping--Non-Household Members</b>	<b>0.81</b>	<b>42.12</b>	<b>0.53</b>	<b>27.56</b>	<b>0.96</b>	<b>49.92</b>	<b>0.75</b>	<b>38.74</b>

PART B. REPLACEMENT HOURLY WAGE (a)

Time Use Category	1. Married females employed full-time, youngest child under age 13--T60 (a)		2. Married mothers employed full-time youngest child between age 6 and age 7 (b)		3. Married mothers employed full-time with three or more children under age 18 (c)		4. Married mothers employed full-time youngest child age 6-7, 3 or more kids (d)	
	Time Weights	Hourly Wage (a)	Time Weights	Hourly Wage	Time Weights	Hourly Wage	Time Weights	Hourly Wage
Inside Housework	0.321	\$12.24	0.326	\$12.24	0.320	\$12.24		
Food Cooking & Cleanup	0.289	\$11.84	0.290	\$11.84	0.307	\$11.84		
Pets, Home and Vehicles	0.074	\$14.16	0.073	\$14.16	0.059	\$14.16		
Household Management	0.058	\$18.19	0.047	\$18.19	0.048	\$18.19		
Shopping	0.156	\$12.90	0.152	\$12.90	0.156	\$12.90		
Obtaining Services	0.005	\$15.54	0.004	\$15.54	0.006	\$15.54		
Travel for Household Activity	0.098	\$13.88	0.108	\$13.88	0.104	\$13.88		
<b>Total Household Production</b>	<b>1.000</b>	<b>\$12.89</b>	<b>1.000</b>	<b>\$12.83</b>	<b>1.000</b>	<b>\$12.81</b>		<b>\$12.82</b>
Household Children	0.858	\$12.69	0.842	\$12.69	0.829	\$12.69		
Household Adults	0.012	\$12.48	0.005	\$12.48	0.008	\$12.48		
Travel for Household Members	0.130	\$15.59	0.153	\$15.59	0.164	\$15.59		
<b>Caring and Helping--Household Members</b>	<b>1.000</b>	<b>\$13.06</b>	<b>1.000</b>	<b>\$13.13</b>	<b>1.000</b>	<b>\$13.16</b>		<b>\$13.15</b>
Non-Household Members	0.642	12.93	0.509	12.93	0.583	12.93		
Travel for Non-Household Members	0.358	\$15.59	0.491	\$15.59	0.417	\$15.59		
<b>Caring and Helping--Non-Household Members</b>	<b>1.000</b>	<b>\$13.88</b>	<b>1.000</b>	<b>\$14.23</b>	<b>1.000</b>	<b>\$14.04</b>		<b>\$14.14</b>

PART C. ANNUAL REPLACEMENT COST OF LOSS OF HOUSEHOLD PRODUCTION AND CARING AND HELPING--HOUSEHOLD MEMBERS

	Computing Replacement Value Lost in Period for #1	Computing Replacement Value Lost in Period for #2	Computing Replacement Value Lost in Period for #3	Computing Replacement Value Lost in Period for #4
Household Production	1,265.16	1,019.20	1,116.44	1,148.68
Caring and Helping--Household Members	860.60	572.00	682.24	641.42
<b>Total Hours</b>	<b>2,125.76</b>	<b>1,591.20</b>	<b>1,798.68</b>	<b>1,790.10</b>
Hourly Wage for Household Production	\$12.89	\$12.83	\$12.81	\$12.82
Hourly Wage for Caring and Helping	\$13.06	\$13.13	\$13.16	\$13.15
Weighted Average Hourly Wage	\$12.96	\$12.94	\$12.94	\$12.94
<b>Annual Replacement Cost</b>	<b>\$27,549</b>	<b>\$20,591</b>	<b>\$23,281</b>	<b>\$23,160</b>
Beginning of Period	10/19/15	10/19/15	10/19/15	10/19/15
End of Period	10/19/16	10/19/16	10/19/16	10/19/16
Length of Period in Years and Fractional Equivalent	1.003	1.003	1.003	1.003
<b>Total Lost Replacement Value for Period</b>	<b>\$27,625</b>	<b>\$20,647</b>	<b>\$23,345</b>	<b>\$23,224</b>

(a) Source: Expectancy Data, "The Dollar Value of a Day, Time Dairy Analysis, 2013 Dollar Valuation (DVD)," Shawnee Mission, Kansas, 2014 (DVD), and Table 1 of this paper.

(b) Source: Table 2 of this paper.

(c) Source: Table 14 of this paper.

(d) Source: Table 19 of this paper. The amount of caring and helping for non-household members is estimated as the average of the amount of such time that is shown in #2 and #3, and that amount is deducted from total caring and helping time to estimate the amount of caring and helping time that is devoted to household members. Hourly wages are estimated as the average of the hourly wages shown in #2 and #3.

SAMPLE CASE TABLE 9

ESTIMATED VALUE OF HOUSHOLD SERVICES THAT WOULD HAVE BEEN PERFORMED BY JANE DOE, DECEASED  
 Married mother who is employed full-time, with three children under age 18, the youngest being between age 7 and age 8

PART A. HOUSEHOLD WORK HOURS (a)

Time Use Category	1. Married females employed full-time, youngest child under age 13--T60 (a)		2. Married mothers employed full-time youngest child between age 7 and age 8 (b)		3. Married mothers employed full-time with three or more children under age 18 (c)		4. Married mothers employed part-time youngest child age 7-8, 3 or more kids (d)	
	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours
Inside Housework	5.98	310.96	5.88	305.76	6.88	357.76		
Food Cooking & Cleanup	5.69	295.88	6.04	314.08	6.59	342.68		
Pets, Home and Vehicles	1.45	75.40	1.64	85.28	1.26	65.52		
Household Management	1.05	54.60	1.12	58.24	1.03	53.56		
Shopping	3.22	167.44	3.38	175.76	3.35	174.20		
Obtaining Services	0.10	5.20	0.21	10.92	0.13	6.76		
Travel for Household Activity	2.17	112.84	2.16	112.32	2.23	115.96		
<b>Total Household Production</b>	<b>19.66</b>	<b>1,022.32</b>	<b>20.43</b>	<b>1,062.36</b>	<b>21.47</b>	<b>1,116.44</b>	<b>22.30</b>	<b>1,159.60</b>
Household Children	10.75	559.00	8.20	426.40	10.87	565.24		
Household Adults	0.13	6.76	0.08	4.16	0.10	5.20		
Travel for Household Members	1.85	96.20	1.66	86.32	2.15	111.80		
<b>Caring and Helping--Household Members</b>	<b>12.73</b>	<b>661.96</b>	<b>9.94</b>	<b>516.88</b>	<b>13.12</b>	<b>682.24</b>	<b>10.32</b>	<b>536.64</b>
Non-Household Members	0.48	24.96	0.62	32.24	0.56	29.12		
Travel for Non-Household Members	0.34	17.68	0.44	22.88	0.40	20.80		
<b>Caring and Helping--Non-Household Members</b>	<b>0.82</b>	<b>42.64</b>	<b>1.06</b>	<b>55.12</b>	<b>0.96</b>	<b>49.92</b>	<b>1.01</b>	<b>52.52</b>

PART B. REPLACEMENT HOURLY WAGE (a)

Time Use Category	1. Married females employed full-time, youngest child under age 13--T60 (a)		2. Married mothers employed full-time youngest child between age 7 and age 8 (b)		3. Married mothers employed full-time with three or more children under age 18 (c)		4. Married mothers employed part-time youngest child age 7-8, 3 or more kids (d)	
	Time Weights	Hourly Wage (a)	Time Weights	Hourly Wage	Time Weights	Hourly Wage	Time Weights	Hourly Wage
Inside Housework	0.304	\$12.24	0.288	\$12.24	0.320	\$12.24		
Food Cooking & Cleanup	0.289	\$11.84	0.296	\$11.84	0.307	\$11.84		
Pets, Home and Vehicles	0.074	\$14.16	0.080	\$14.16	0.059	\$14.16		
Household Management	0.053	\$18.19	0.055	\$18.19	0.048	\$18.19		
Shopping	0.164	\$12.90	0.165	\$12.90	0.156	\$12.90		
Obtaining Services	0.005	\$15.54	0.010	\$15.54	0.006	\$15.54		
Travel for Household Activity	0.110	\$13.88	0.106	\$13.88	0.104	\$13.88		
<b>Total Household Production</b>	<b>1.000</b>	<b>\$12.89</b>	<b>1.000</b>	<b>\$12.92</b>	<b>1.000</b>	<b>\$12.81</b>		<b>\$12.86</b>
Household Children	0.844	\$12.69	0.825	\$12.69	0.829	\$12.69		
Household Adults	0.010	\$12.48	0.008	\$12.48	0.008	\$12.48		
Travel for Household Members	0.145	\$15.59	0.167	\$15.59	0.164	\$15.59		
<b>Caring and Helping--Household Members</b>	<b>1.000</b>	<b>\$13.11</b>	<b>1.000</b>	<b>\$13.17</b>	<b>1.000</b>	<b>\$13.16</b>		<b>\$13.17</b>
Non-Household Members	0.585	12.93	0.585	12.93	0.583	12.93		
Travel for Non-Household Members	0.415	\$15.59	0.415	\$15.59	0.417	\$15.59		
<b>Caring and Helping--Non-Household Members</b>	<b>1.000</b>	<b>\$14.03</b>	<b>1.000</b>	<b>\$14.03</b>	<b>1.000</b>	<b>\$14.04</b>		<b>\$14.04</b>

PART C. ANNUAL REPLACEMENT COST OF LOSS OF HOUSEHOLD PRODUCTION AND CARING AND HELPING--HOUSEHOLD MEMBERS

	Computing Replacement Value Lost in Period for #1	Computing Replacement Value Lost in Period for #2	Computing Replacement Value Lost in Period for #3	Computing Replacement Value Lost in Period for #4
Household Production	1,022.32	1,062.36	1,116.44	1,159.60
Caring and Helping--Household Members	661.96	516.88	682.24	536.64
<b>Total Hours</b>	<b>1,684.28</b>	<b>1,579.24</b>	<b>1,798.68</b>	<b>1,696.24</b>
Hourly Wage for Household Production	\$12.89	\$12.92	\$12.81	\$12.86
Hourly Wage for Caring and Helping	\$13.11	\$13.17	\$13.16	\$13.17
Weighted Average Hourly Wage	\$12.98	\$13.00	\$12.94	\$12.96
<b>Annual Replacement Cost</b>	<b>\$21,855</b>	<b>\$20,533</b>	<b>\$23,281</b>	<b>\$21,983</b>
Beginning of Period	10/19/16	10/19/16	10/19/16	10/19/16
End of Period	10/19/17	10/19/17	10/19/17	10/19/17
Length of Period in Years and Fractional Equivalent	1.000	1.000	1.000	1.000
<b>Total Lost Replacement Value for Period</b>	<b>\$21,855</b>	<b>\$20,533</b>	<b>\$23,281</b>	<b>\$21,983</b>

(a) Source: Expectancy Data, "The Dollar Value of a Day, Time Dairy Analysis, 2013 Dollar Valuation (DVD)," Shawnee Mission, Kansas, 2014 (DVD), and Table 1 of this paper.

(b) Source: Table 2 of this paper.

(c) Source: Table 14 of this paper.

(d) Source: Table 19 of this paper. The amount of caring and helping for non-household members is estimated as the average of the amount of such time that is shown in #2 and #3, and that amount is deducted from total caring and helping time to estimate the amount of caring and helping time that is devoted to household members. Hourly wages are estimated as the average of the hourly wages shown in #2 and #3.

SAMPLE CASE TABLE 10

ESTIMATED VALUE OF HOUSHOLD SERVICES THAT WOULD HAVE BEEN PERFORMED BY JANE DOE, DECEASED  
Married mother who is employed full-time, with three children under age 18, the youngest being between age 8 and age 9

PART A. HOUSEHOLD WORK HOURS (a)

Time Use Category	1. Married females employed full-time, youngest child under age 13--T60 (a)		2. Married mothers employed full-time youngest child between age 8 and age 9 (b)		3. Married mothers employed full-time with three or more children under age 18 (c)		4. Married mothers employed full-time youngest child age 8-9, 3 or more kids (d)	
	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours
Inside Housework	5.98	310.96	6.61	343.72	6.88	357.76		
Food Cooking & Cleanup	5.69	295.88	5.89	306.28	6.59	342.68		
Pets, Home and Vehicles	1.45	75.40	1.80	93.60	1.26	65.52		
Household Management	1.05	54.60	1.41	73.32	1.03	53.56		
Shopping	3.22	167.44	3.22	167.44	3.35	174.20		
Obtaining Services	0.10	5.20	0.13	6.76	0.13	6.76		
Travel for Household Activity	2.17	112.84	2.04	106.08	2.23	115.96		
<b>Total Household Production</b>	<b>19.66</b>	<b>1,022.32</b>	<b>21.10</b>	<b>1,097.20</b>	<b>21.47</b>	<b>1,116.44</b>	<b>21.66</b>	<b>1,126.32</b>
Household Children	10.75	559.00	7.30	379.60	10.87	565.24		
Household Adults	0.13	6.76	0.11	5.72	0.10	5.20		
Travel for Household Members	1.85	96.20	1.60	83.20	2.15	111.80		
<b>Caring and Helping--Household Members</b>	<b>12.73</b>	<b>661.96</b>	<b>9.01</b>	<b>468.52</b>	<b>13.12</b>	<b>682.24</b>	<b>10.35</b>	<b>537.94</b>
Non-Household Members	0.48	24.96	0.34	17.68	0.56	29.12		
Travel for Non-Household Members	0.34	17.68	0.27	14.04	0.40	20.80		
<b>Caring and Helping--Non-Household Members</b>	<b>0.82</b>	<b>42.64</b>	<b>0.61</b>	<b>31.72</b>	<b>0.96</b>	<b>49.92</b>	<b>0.79</b>	<b>40.82</b>

PART B. REPLACEMENT HOURLY WAGE (a)

Time Use Category	1. Married females employed full-time, youngest child under age 13--T60 (a)		2. Married mothers employed full-time youngest child between age 8 and age 9 (b)		3. Married mothers employed full-time with three or more children under age 18 (c)		4. Married mothers employed full-time youngest child age 8-9, 3 or more kids (d)	
	Time Weights	Hourly Wage (a)	Time Weights	Hourly Wage	Time Weights	Hourly Wage	Time Weights	Hourly Wage
Inside Housework	0.304	\$12.24	0.313	\$12.24	0.320	\$12.24		
Food Cooking & Cleanup	0.289	\$11.84	0.279	\$11.84	0.307	\$11.84		
Pets, Home and Vehicles	0.074	\$14.16	0.085	\$14.16	0.059	\$14.16		
Household Management	0.053	\$18.19	0.067	\$18.19	0.048	\$18.19		
Shopping	0.164	\$12.90	0.153	\$12.90	0.156	\$12.90		
Obtaining Services	0.005	\$15.54	0.006	\$15.54	0.006	\$15.54		
Travel for Household Activity	0.110	\$13.88	0.097	\$13.88	0.104	\$13.88		
<b>Total Household Production</b>	<b>1.000</b>	<b>\$12.89</b>	<b>1.000</b>	<b>\$12.97</b>	<b>1.000</b>	<b>\$12.81</b>		<b>\$12.89</b>
Household Children	0.844	\$12.69	0.810	\$12.69	0.829	\$12.69		
Household Adults	0.010	\$12.48	0.012	\$12.48	0.008	\$12.48		
Travel for Household Members	0.145	\$15.59	0.178	\$15.59	0.164	\$15.59		
<b>Caring and Helping--Household Members</b>	<b>1.000</b>	<b>\$13.11</b>	<b>1.000</b>	<b>\$13.20</b>	<b>1.000</b>	<b>\$13.16</b>		<b>\$13.18</b>
Non-Household Members	0.585	12.93	0.557	12.93	0.583	12.93		
Travel for Non-Household Members	0.415	\$15.59	0.443	\$15.59	0.417	\$15.59		
<b>Caring and Helping--Non-Household Members</b>	<b>1.000</b>	<b>\$14.03</b>	<b>1.000</b>	<b>\$14.11</b>	<b>1.000</b>	<b>\$14.04</b>		<b>\$14.07</b>

PART C. ANNUAL REPLACEMENT COST OF LOSS OF HOUSEHOLD PRODUCTION AND CARING AND HELPING--HOUSEHOLD MEMBERS

	Computing Replacement Value Lost in Period for #1	Computing Replacement Value Lost in Period for #2	Computing Replacement Value Lost in Period for #3	Computing Replacement Value Lost in Period for #4
Household Production	1,022.32	1,097.20	1,116.44	1,126.32
Caring and Helping--Household Members	661.96	468.52	682.24	537.94
<b>Total Hours</b>	<b>1,684.28</b>	<b>1,565.72</b>	<b>1,798.68</b>	<b>1,664.26</b>
Hourly Wage for Household Production	\$12.89	\$12.97	\$12.81	\$12.89
Hourly Wage for Caring and Helping	\$13.11	\$13.20	\$13.16	\$13.18
Weighted Average Hourly Wage	\$12.98	\$13.04	\$12.94	\$12.98
<b>Annual Replacement Cost</b>	<b>\$21,855</b>	<b>\$20,416</b>	<b>\$23,281</b>	<b>\$21,609</b>
Beginning of Period	10/19/17	10/19/17	10/19/17	10/19/17
End of Period	10/19/18	10/19/18	10/19/18	10/19/18
Length of Period in Years and Fractional Equivalent	1.000	1.000	1.000	1.000
<b>Total Lost Replacement Value for Period</b>	<b>\$21,855</b>	<b>\$20,416</b>	<b>\$23,281</b>	<b>\$21,609</b>

(a) Source: Expectancy Data, "The Dollar Value of a Day, Time Dairy Analysis, 2013 Dollar Valuation (DVD)," Shawnee Mission, Kansas, 2014 (DVD), and Table 1 of this paper.

(b) Source: Table 2 of this paper.

(c) Source: Table 14 of this paper.

(d) Source: Table 19 of this paper. The amount of caring and helping for non-household members is estimated as the average of the amount of such time that is shown in #2 and #3, and that amount is deducted from total caring and helping time to estimate the amount of caring and helping time that is devoted to household members. Hourly wages are estimated as the average of the hourly wages shown in #2 and #3.

SAMPLE CASE TABLE 11

ESTIMATED VALUE OF HOUSHOLD SERVICES THAT WOULD HAVE BEEN PERFORMED BY JANE DOE, DECEASED  
 Married mother who is employed full-time, with three children under age 18, the youngest being between age 9 and age 10

PART A. HOUSEHOLD WORK HOURS (a)

Time Use Category	1. Married females employed full-time, youngest child under age 13--T60 (a)		2. Married mothers employed full-time youngest child between age 9 and age 10 (b)		3. Married mothers employed full-time with three or more children under age 18 (c)		4. Married mothers employed full-time youngest child age 9-10, 3 or more kids (d)	
	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours
Inside Housework	5.98	310.96	6.80	353.60	6.88	357.76		
Food Cooking & Cleanup	5.69	295.88	5.67	294.84	6.59	342.68		
Pets, Home and Vehicles	1.45	75.40	1.61	83.72	1.26	65.52		
Household Management	1.05	54.60	1.02	53.04	1.03	53.56		
Shopping	3.22	167.44	3.29	171.08	3.35	174.20		
Obtaining Services	0.10	5.20	0.06	3.12	0.13	6.76		
Travel for Household Activity	2.17	112.84	2.16	112.32	2.23	115.96		
<b>Total Household Production</b>	<b>19.66</b>	<b>1,022.32</b>	<b>20.61</b>	<b>1,071.72</b>	<b>21.47</b>	<b>1,116.44</b>	<b>19.44</b>	<b>1,010.88</b>
Household Children	10.75	559.00	6.10	317.20	10.87	565.24		
Household Adults	0.13	6.76	0.28	14.56	0.10	5.20		
Travel for Household Members	1.85	96.20	1.78	92.56	2.15	111.80		
<b>Caring and Helping--Household Members</b>	<b>12.73</b>	<b>661.96</b>	<b>8.16</b>	<b>424.32</b>	<b>13.12</b>	<b>682.24</b>	<b>8.00</b>	<b>416.00</b>
Non-Household Members	0.48	24.96	0.55	28.60	0.56	29.12		
Travel for Non-Household Members	0.34	17.68	0.31	16.12	0.40	20.80		
<b>Caring and Helping--Non-Household Members</b>	<b>0.82</b>	<b>42.64</b>	<b>0.86</b>	<b>44.72</b>	<b>0.96</b>	<b>49.92</b>	<b>0.91</b>	<b>47.32</b>

PART B. REPLACEMENT HOURLY WAGE (a)

Time Use Category	Time Weights		Hourly Wage (a)		Time Weights		Hourly Wage		Time Weights		Hourly Wage	
	Inside Housework	0.304	\$12.24	0.330	\$12.24	0.320	\$12.24	0.320	\$12.24			
Food Cooking & Cleanup	0.289	\$11.84	0.275	\$11.84	0.307	\$11.84	0.307	\$11.84				
Pets, Home and Vehicles	0.074	\$14.16	0.078	\$14.16	0.059	\$14.16	0.059	\$14.16				
Household Management	0.053	\$18.19	0.049	\$18.19	0.048	\$18.19	0.048	\$18.19				
Shopping	0.164	\$12.90	0.160	\$12.90	0.156	\$12.90	0.156	\$12.90				
Obtaining Services	0.005	\$15.54	0.003	\$15.54	0.006	\$15.54	0.006	\$15.54				
Travel for Household Activity	0.110	\$13.88	0.105	\$13.88	0.104	\$13.88	0.104	\$13.88				
<b>Total Household Production</b>	<b>1.000</b>	<b>\$12.89</b>	<b>1.000</b>	<b>\$12.86</b>	<b>1.000</b>	<b>\$12.81</b>	<b>1.000</b>	<b>\$12.81</b>			<b>\$12.83</b>	
Household Children	0.844	\$12.69	0.748	\$12.69	0.829	\$12.69	0.829	\$12.69				
Household Adults	0.010	\$12.48	0.034	\$12.48	0.008	\$12.48	0.008	\$12.48				
Travel for Household Members	0.145	\$15.59	0.218	\$15.59	0.164	\$15.59	0.164	\$15.59				
<b>Caring and Helping--Household Members</b>	<b>1.000</b>	<b>\$13.11</b>	<b>1.000</b>	<b>\$13.32</b>	<b>1.000</b>	<b>\$13.16</b>	<b>1.000</b>	<b>\$13.16</b>			<b>\$13.24</b>	
Non-Household Members	0.585	12.93	0.640	\$12.93	0.583	12.93	0.583	12.93				
Travel for Non-Household Members	0.415	\$15.59	0.360	\$15.59	0.417	\$15.59	0.417	\$15.59				
<b>Caring and Helping--Non-Household Members</b>	<b>1.000</b>	<b>\$14.03</b>	<b>1.000</b>	<b>\$13.89</b>	<b>1.000</b>	<b>\$14.04</b>	<b>1.000</b>	<b>\$14.04</b>			<b>\$13.96</b>	

PART C. ANNUAL REPLACEMENT COST OF LOSS OF HOUSEHOLD PRODUCTION AND CARING AND HELPING--HOUSEHOLD MEMBERS

	Computing Replacement Value Lost in Period for #1	Computing Replacement Value Lost in Period for #2	Computing Replacement Value Lost in Period for #3	Computing Replacement Value Lost in Period for #4
Household Production	1,022.32	1,071.72	1,116.44	1,010.88
Caring and Helping--Household Members	661.96	424.32	682.24	416.00
<b>Total Hours</b>	<b>1,684.28</b>	<b>1,496.04</b>	<b>1,798.68</b>	<b>1,426.88</b>
Hourly Wage for Household Production	\$12.89	\$12.86	\$12.81	\$12.83
Hourly Wage for Caring and Helping	\$13.11	\$13.32	\$13.16	\$13.24
Weighted Average Hourly Wage	\$12.98	\$12.99	\$12.95	\$12.95
<b>Annual Replacement Cost</b>	<b>\$21,855</b>	<b>\$19,434</b>	<b>\$23,281</b>	<b>\$18,482</b>
Beginning of Period	10/19/18	10/19/18	10/19/18	10/19/18
End of Period	10/19/19	10/19/19	10/19/19	10/19/19
Length of Period in Years and Fractional Equivalent	1.000	1.000	1.000	1.000
<b>Total Lost Replacement Value for Period</b>	<b>\$21,855</b>	<b>\$19,434</b>	<b>\$23,281</b>	<b>\$18,482</b>

(a) Source: Expectancy Data, "The Dollar Value of a Day, Time Dairy Analysis, 2013 Dollar Valuation (DVD)," Shawnee Mission, Kansas, 2014 (DVD), and Table 1 of this paper.

(b) Source: Table 2 of this paper.

(c) Source: Table 14 of this paper.

(d) Source: Table 19 of this paper. The amount of caring and helping for non-household members is estimated as the average of the amount of such time that is shown in #2 and #3, and that amount is deducted from total caring and helping time to estimate the amount of caring and helping time that is devoted to household members. Hourly wages are estimated as the average of the hourly wages shown in #2 and #3.

SAMPLE CASE TABLE 12

ESTIMATED VALUE OF HOUSHOLD SERVICES THAT WOULD HAVE BEEN PERFORMED BY JANE DOE, DECEASED  
 Married mother who is employed full-time, with three children under age 18, the youngest being between age 10 and age 11

PART A. HOUSEHOLD WORK HOURS (a)

Time Use Category	1. Married females employed full-time, youngest child under age 13--T60 (a)		2. Married mothers employed full-time youngest child between age 10 and age 11 (b)		3. Married mothers employed full-time with three or more children under age 18 (c)		4. Married mothers employed full-time youngest child age 10-11, 3 or more kids (d)	
	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours
Inside Housework	5.98	310.96	6.57	341.64	6.88	357.76		
Food Cooking & Cleanup	5.69	295.88	5.91	307.32	6.59	342.68		
Pets, Home and Vehicles	1.45	75.40	2.11	109.72	1.26	65.52		
Household Management	1.05	54.60	1.16	60.32	1.03	53.56		
Shopping	3.22	167.44	3.63	188.76	3.35	174.20		
Obtaining Services	0.10	5.20	0.06	3.12	0.13	6.76		
Travel for Household Activity	2.17	112.84	2.01	104.52	2.23	115.96		
<b>Total Household Production</b>	<b>19.66</b>	<b>1,022.32</b>	<b>21.45</b>	<b>1,115.40</b>	<b>21.47</b>	<b>1,116.44</b>	<b>28.96</b>	<b>1,505.92</b>
Household Children	10.75	559.00	6.39	332.28	10.87	565.24		
Household Adults	0.13	6.76	0.13	6.76	0.10	5.20		
Travel for Household Members	1.85	96.20	1.68	87.36	2.15	111.80		
<b>Caring and Helping--Household Members</b>	<b>12.73</b>	<b>661.96</b>	<b>8.20</b>	<b>426.40</b>	<b>13.12</b>	<b>682.24</b>	<b>7.33</b>	<b>380.90</b>
Non-Household Members	0.48	24.96	0.48	24.96	0.56	29.12		
Travel for Non-Household Members	0.34	17.68	0.41	21.32	0.40	20.80		
<b>Caring and Helping--Non-Household Members</b>	<b>0.82</b>	<b>42.64</b>	<b>0.89</b>	<b>46.28</b>	<b>0.96</b>	<b>49.92</b>	<b>0.93</b>	<b>48.10</b>

PART B. REPLACEMENT HOURLY WAGE (a)

Time Use Category	1. Married females employed full-time, youngest child under age 13--T60 (a)		2. Married mothers employed full-time youngest child between age 10 and age 11 (b)		3. Married mothers employed full-time with three or more children under age 18 (c)		4. Married mothers employed full-time youngest child age 10-11, 3 or more kids (d)	
	Time Weights	Hourly Wage (a)	Time Weights	Hourly Wage	Time Weights	Hourly Wage	Time Weights	Hourly Wage
Inside Housework	0.304	\$12.24	0.306	\$12.24	0.320	\$12.24		
Food Cooking & Cleanup	0.289	\$11.84	0.276	\$11.84	0.307	\$11.84		
Pets, Home and Vehicles	0.074	\$14.16	0.098	\$14.16	0.059	\$14.16		
Household Management	0.053	\$18.19	0.054	\$18.19	0.048	\$18.19		
Shopping	0.164	\$12.90	0.169	\$12.90	0.156	\$12.90		
Obtaining Services	0.005	\$15.54	0.003	\$15.54	0.006	\$15.54		
Travel for Household Activity	0.110	\$13.88	0.094	\$13.88	0.104	\$13.88		
<b>Total Household Production</b>	<b>1.000</b>	<b>\$12.89</b>	<b>1.000</b>	<b>\$12.92</b>	<b>1.000</b>	<b>\$12.81</b>		<b>\$12.86</b>
Household Children	0.844	\$12.69	0.779	\$12.69	0.829	\$12.69		
Household Adults	0.010	\$12.48	0.016	\$12.48	0.008	\$12.48		
Travel for Household Members	0.145	\$15.59	0.205	\$15.59	0.164	\$15.59		
<b>Caring and Helping--Household Members</b>	<b>1.000</b>	<b>\$13.11</b>	<b>1.000</b>	<b>\$13.28</b>	<b>1.000</b>	<b>\$13.16</b>		<b>\$13.22</b>
Non-Household Members	0.585	12.93	0.539	12.93	0.583	12.93		
Travel for Non-Household Members	0.415	\$15.59	0.461	\$15.59	0.417	\$15.59		
<b>Caring and Helping--Non-Household Members</b>	<b>1.000</b>	<b>\$14.03</b>	<b>1.000</b>	<b>\$14.16</b>	<b>1.000</b>	<b>\$14.04</b>		<b>\$14.10</b>

PART C. ANNUAL REPLACEMENT COST OF LOSS OF HOUSEHOLD PRODUCTION AND CARING AND HELPING--HOUSEHOLD MEMBERS

	Computing Replacement Value Lost in Period for #1	Computing Replacement Value Lost in Period for #2	Computing Replacement Value Lost in Period for #3	Computing Replacement Value Lost in Period for #4
Household Production	1,022.32	1,115.40	1,116.44	1,505.92
Caring and Helping--Household Members	661.96	426.40	682.24	380.90
<b>Total Hours</b>	<b>1,684.28</b>	<b>1,541.80</b>	<b>1,798.68</b>	<b>1,886.82</b>
Hourly Wage for Household Production	\$12.89	\$12.92	\$12.81	\$12.86
Hourly Wage for Caring and Helping	\$13.11	\$13.28	\$13.16	\$13.22
Weighted Average Hourly Wage	\$12.98	\$13.02	\$12.94	\$12.93
<b>Annual Replacement Cost</b>	<b>\$21,855</b>	<b>\$20,068</b>	<b>\$23,281</b>	<b>\$24,405</b>
Beginning of Period	10/19/19	10/19/19	10/19/19	10/19/19
End of Period	10/19/20	10/19/20	10/19/20	10/19/20
Length of Period in Years and Fractional Equivalent	1.003	1.000	1.000	1.000
<b>Total Lost Replacement Value for Period</b>	<b>\$21,915</b>	<b>\$20,068</b>	<b>\$23,281</b>	<b>\$24,405</b>

(a) Source: Expectancy Data, "The Dollar Value of a Day, Time Dairy Analysis, 2013 Dollar Valuation (DVD)," Shawnee Mission, Kansas, 2014 (DVD), and Table 1 of this paper.

(b) Source: Table 2 of this paper.

(c) Source: Table 14 of this paper.

(d) Source: Table 19 of this paper. The amount of caring and helping for non-household members is estimated as the average of the amount of such time that is shown in #2 and #3, and that amount is deducted from total caring and helping time to estimate the amount of caring and helping time that is devoted to household members. Hourly wages are estimated as the average of the hourly wages shown in #2 and #3.

SAMPLE CASE TABLE 13

ESTIMATED VALUE OF HOUSHOLD SERVICES THAT WOULD HAVE BEEN PERFORMED BY JANE DOE, DECEASED  
 Married mother who is employed full-time, with three children under age 18, the youngest being between age 11 and age 12

PART A. HOUSEHOLD WORK HOURS (a)

Time Use Category	1. Married females employed full-time, youngest child under age 13--T60 (a)		2. Married mothers employed full-time youngest child between age 11 and age 12 (b)		3. Married mothers employed full-time with three or more children under age 18 (c)		4. Married mothers employed full-time youngest child age 11-12, 3 or more kids (d)	
	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours
Inside Housework	5.98	310.96	5.78	300.56	6.88	357.76		
Food Cooking & Cleanup	5.69	295.88	5.71	296.92	6.59	342.68		
Pets, Home and Vehicles	1.45	75.40	2.01	104.52	1.26	65.52		
Household Management	1.05	54.60	0.92	47.84	1.03	53.56		
Shopping	3.22	167.44	3.76	195.52	3.35	174.20		
Obtaining Services	0.10	5.20	0.10	5.20	0.13	6.76		
Travel for Household Activity	2.17	112.84	2.66	138.32	2.23	115.96		
<b>Total Household Production</b>	<b>19.66</b>	<b>1,022.32</b>	<b>20.94</b>	<b>1,088.88</b>	<b>21.47</b>	<b>1,116.44</b>	<b>21.11</b>	<b>1,097.72</b>
Household Children	10.75	559.00	5.25	273.00	10.87	565.24		
Household Adults	0.13	6.76	0.09	4.68	0.10	5.20		
Travel for Household Members	1.85	96.20	1.65	85.80	2.15	111.80		
<b>Caring and Helping--Household Members</b>	<b>12.73</b>	<b>661.96</b>	<b>6.99</b>	<b>363.48</b>	<b>13.12</b>	<b>682.24</b>	<b>6.60</b>	<b>343.20</b>
Non-Household Members	0.48	24.96	1.06	55.12	0.56	29.12		
Travel for Non-Household Members	0.34	17.68	0.42	21.84	0.40	20.80		
<b>Caring and Helping--Non-Household Members</b>	<b>0.82</b>	<b>42.64</b>	<b>1.48</b>	<b>76.96</b>	<b>0.96</b>	<b>49.92</b>	<b>1.22</b>	<b>63.44</b>

PART B. REPLACEMENT HOURLY WAGE (a)

Time Use Category	1. Married females employed full-time, youngest child under age 13--T60 (a)		2. Married mothers employed full-time youngest child between age 11 and age 12 (b)		3. Married mothers employed full-time with three or more children under age 18 (c)		4. Married mothers employed full-time youngest child age 11-12, 3 or more kids (d)	
	Time Weights	Hourly Wage (a)	Time Weights	Hourly Wage	Time Weights	Hourly Wage	Time Weights	Hourly Wage
Inside Housework	0.304	\$12.24	0.276	\$12.24	0.320	\$12.24		
Food Cooking & Cleanup	0.289	\$11.84	0.273	\$11.84	0.307	\$11.84		
Pets, Home and Vehicles	0.074	\$14.16	0.096	\$14.16	0.059	\$14.16		
Household Management	0.053	\$18.19	0.044	\$18.19	0.048	\$18.19		
Shopping	0.164	\$12.90	0.180	\$12.90	0.156	\$12.90		
Obtaining Services	0.005	\$15.54	0.005	\$15.54	0.006	\$15.54		
Travel for Household Activity	0.110	\$13.88	0.127	\$13.88	0.104	\$13.88		
<b>Total Household Production</b>	<b>1.000</b>	<b>\$12.89</b>	<b>1.000</b>	<b>\$12.92</b>	<b>1.000</b>	<b>\$12.81</b>		<b>\$12.86</b>
Household Children	0.844	\$12.69	0.751	\$12.69	0.829	\$12.69		
Household Adults	0.010	\$12.48	0.013	\$12.48	0.008	\$12.48		
Travel for Household Members	0.145	\$15.59	0.236	\$15.59	0.164	\$15.59		
<b>Caring and Helping--Household Members</b>	<b>1.000</b>	<b>\$13.11</b>	<b>1.000</b>	<b>\$13.37</b>	<b>1.000</b>	<b>\$13.16</b>		<b>\$13.27</b>
Non-Household Members	0.585	12.93	0.716	12.93	0.583	12.93		
Travel for Non-Household Members	0.415	\$15.59	0.284	\$15.59	0.417	\$15.59		
<b>Caring and Helping--Non-Household Members</b>	<b>1.000</b>	<b>\$14.03</b>	<b>1.000</b>	<b>\$13.68</b>	<b>1.000</b>	<b>\$14.04</b>		<b>\$13.86</b>

PART C. ANNUAL REPLACEMENT COST OF LOSS OF HOUSEHOLD PRODUCTION AND CARING AND HELPING--HOUSEHOLD MEMBERS

	Computing Replacement Value Lost in Period for #1	Computing Replacement Value Lost in Period for #2	Computing Replacement Value Lost in Period for #3	Computing Replacement Value Lost in Period for #4
Household Production	1,022.32	1,088.88	1,116.44	1,097.72
Caring and Helping--Household Members	661.96	363.48	682.24	343.20
<b>Total Hours</b>	<b>1,684.28</b>	<b>1,452.36</b>	<b>1,798.68</b>	<b>1,440.92</b>
Hourly Wage for Household Production	\$12.89	\$12.92	\$12.81	\$12.86
Hourly Wage for Caring and Helping	\$13.11	\$13.37	\$13.16	\$13.27
Weighted Average Hourly Wage	\$12.98	\$13.03	\$12.94	\$12.96
<b>Annual Replacement Cost</b>	<b>\$21,855</b>	<b>\$18,928</b>	<b>\$23,281</b>	<b>\$18,674</b>
Beginning of Period	10/19/20	10/19/20	10/19/20	10/19/20
End of Period	10/19/21	10/19/21	10/19/21	10/19/21
Length of Period in Years and Fractional Equivalent	1.000	1.000	1.000	1.000
<b>Total Lost Replacement Value for Period</b>	<b>\$21,855</b>	<b>\$18,928</b>	<b>\$23,281</b>	<b>\$18,674</b>

(a) Source: Expectancy Data, "The Dollar Value of a Day, Time Dairy Analysis, 2013 Dollar Valuation (DVD)," Shawnee Mission, Kansas, 2014 (DVD), and Table 1 of this paper.

(b) Source: Table 2 of this paper.

(c) Source: Table 14 of this paper.

(d) Source: Table 19 of this paper. The amount of caring and helping for non-household members is estimated as the average of the amount of such time that is shown in #2 and #3, and that amount is deducted from total caring and helping time to estimate the amount of caring and helping time that is devoted to household members. Hourly wages are estimated as the average of the hourly wages shown in #2 and #3.

SAMPLE CASE TABLE 14

ESTIMATED VALUE OF HOUSHOLD SERVICES THAT WOULD HAVE BEEN PERFORMED BY JANE DOE, DECEASED  
 Married mother who is employed full-time, with three children under age 18, the youngest being between age 12 and age 13

PART A. HOUSEHOLD WORK HOURS (a)

Time Use Category	1. Married females employed full-time, youngest child under age 13--T60 (a)		2. Married mothers employed full-time youngest child between age 12 and age 13 (b)		3. Married mothers employed full-time with three or more children under age 18 (c)		4. Married mothers employed full-time youngest child age 12-13, 3 or more kids (d)	
	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours
Inside Housework	5.98	310.96	6.55	340.60	6.88	357.76		
Food Cooking & Cleanup	5.69	295.88	5.56	289.12	6.59	342.68		
Pets, Home and Vehicles	1.45	75.40	2.45	127.40	1.26	65.52		
Household Management	1.05	54.60	0.95	49.40	1.03	53.56		
Shopping	3.22	167.44	3.36	174.72	3.35	174.20		
Obtaining Services	0.10	5.20	0.20	10.40	0.13	6.76		
Travel for Household Activity	2.17	112.84	2.55	132.60	2.23	115.96		
<b>Total Household Production</b>	<b>19.66</b>	<b>1,022.32</b>	<b>21.62</b>	<b>1,124.24</b>	<b>21.47</b>	<b>1,116.44</b>	<b>24.81</b>	<b>1,290.12</b>
Household Children	10.75	559.00	4.52	235.04	10.87	565.24		
Household Adults	0.13	6.76	0.17	8.84	0.10	5.20		
Travel for Household Members	1.85	96.20	1.64	85.28	2.15	111.80		
<b>Caring and Helping--Household Members</b>	<b>12.73</b>	<b>661.96</b>	<b>6.33</b>	<b>329.16</b>	<b>13.12</b>	<b>682.24</b>	<b>11.47</b>	<b>596.18</b>
Non-Household Members	0.48	24.96	0.65	33.80	0.56	29.12		
Travel for Non-Household Members	0.34	17.68	0.44	22.88	0.40	20.80		
<b>Caring and Helping--Non-Household Members</b>	<b>0.82</b>	<b>42.64</b>	<b>1.09</b>	<b>56.68</b>	<b>0.96</b>	<b>49.92</b>	<b>1.03</b>	<b>53.30</b>

PART B. REPLACEMENT HOURLY WAGE (a)

Time Use Category	1. Married females employed full-time, youngest child under age 13--T60 (a)		2. Married mothers employed full-time youngest child between age 12 and age 13 (b)		3. Married mothers employed full-time with three or more children under age 18 (c)		4. Married mothers employed full-time youngest child age 12-13, 3 or more kids (d)	
	Time Weights	Hourly Wage (a)	Time Weights	Hourly Wage	Time Weights	Hourly Wage	Time Weights	Hourly Wage
Inside Housework	0.304	\$12.24	0.303	\$12.24	0.320	\$12.24		
Food Cooking & Cleanup	0.289	\$11.84	0.257	\$11.84	0.307	\$11.84		
Pets, Home and Vehicles	0.074	\$14.16	0.113	\$14.16	0.059	\$14.16		
Household Management	0.053	\$18.19	0.044	\$18.19	0.048	\$18.19		
Shopping	0.164	\$12.90	0.155	\$12.90	0.156	\$12.90		
Obtaining Services	0.005	\$15.54	0.009	\$15.54	0.006	\$15.54		
Travel for Household Activity	0.110	\$13.88	0.118	\$13.88	0.104	\$13.88		
<b>Total Household Production</b>	<b>1.000</b>	<b>\$12.89</b>	<b>1.000</b>	<b>\$12.94</b>	<b>1.000</b>	<b>\$12.81</b>		<b>\$12.88</b>
Household Children	0.844	\$12.69	0.714	\$12.69	0.829	\$12.69		
Household Adults	0.010	\$12.48	0.027	\$12.48	0.008	\$12.48		
Travel for Household Members	0.145	\$15.59	0.259	\$15.59	0.164	\$15.59		
<b>Caring and Helping--Household Members</b>	<b>1.000</b>	<b>\$13.11</b>	<b>1.000</b>	<b>\$13.44</b>	<b>1.000</b>	<b>\$13.16</b>		<b>\$13.30</b>
Non-Household Members	0.585	12.93	0.596	12.93	0.583	12.93		
Travel for Non-Household Members	0.415	\$15.59	0.404	\$15.59	0.417	\$15.59		
<b>Caring and Helping--Non-Household Members</b>	<b>1.000</b>	<b>\$14.03</b>	<b>1.000</b>	<b>\$14.00</b>	<b>1.000</b>	<b>\$14.04</b>		<b>\$14.02</b>

PART C. ANNUAL REPLACEMENT COST OF LOSS OF HOUSEHOLD PRODUCTION AND CARING AND HELPING--HOUSEHOLD MEMBERS

	Computing Replacement Value Lost in Period for #1	Computing Replacement Value Lost in Period for #2	Computing Replacement Value Lost in Period for #3	Computing Replacement Value Lost in Period for #4
Household Production	1,022.32	1,124.24	1,116.44	1,290.12
Caring and Helping--Household Members	661.96	329.16	682.24	596.18
Total Hours	1,684.28	1,453.40	1,798.68	1,886.30
Hourly Wage for Household Production	\$12.89	\$12.94	\$12.81	\$12.88
Hourly Wage for Caring and Helping	\$13.11	\$13.44	\$13.16	\$13.30
Weighted Average Hourly Wage	\$12.98	\$13.05	\$12.94	\$13.01
<b>Annual Replacement Cost</b>	<b>\$21,855</b>	<b>\$18,973</b>	<b>\$23,281</b>	<b>\$24,540</b>
Beginning of Period	10/19/21	10/19/21	10/19/21	10/19/21
End of Period	09/04/22	09/04/22	09/04/22	09/04/22
Length of Period in Years and Fractional Equivalent	0.877	0.877	0.877	0.877
<b>Total Lost Replacement Value for Period</b>	<b>\$19,161</b>	<b>\$16,634</b>	<b>\$20,411</b>	<b>\$21,515</b>

(a) Source: Expectancy Data, "The Dollar Value of a Day, Time Dairy Analysis, 2013 Dollar Valuation (DVD)," Shawnee Mission, Kansas, 2014 (DVD), and Table 1 of this paper.

(b) Source: Table 2 of this paper.

(c) Source: Table 14 of this paper.

(d) Source: Table 19 of this paper. The amount of caring and helping for non-household members is estimated as the average of the amount of such time that is shown in #2 and #3, and that amount is deducted from total caring and helping time to estimate the amount of caring and helping time that is devoted to household members. Hourly wages are estimated as the average of the hourly wages shown in #2 and #3.



SAMPLE CASE TABLE 15

ESTIMATED VALUE OF HOUSHOLD SERVICES THAT WOULD HAVE BEEN PERFORMED BY JANE DOE, DECEASED  
 Married mother who is employed full-time, two children under age 18, the youngest being between age 12 and age 13

PART A. HOUSEHOLD WORK HOURS (a)

Time Use Category	1. Married females employed full-time, youngest child under age 13--T60 (a)		2. Married mothers employed full-time youngest child between age 12 and age 13 (b)		3. Married mothers employed full-time with two children under age 18 (c)		4. Married mothers employed full-time youngest child age 12-13, 2 kids (d)	
	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours
Inside Housework	5.98	310.96	5.78	300.56	6.15	319.80		
Food Cooking & Cleanup	5.69	295.88	5.71	296.92	5.78	300.56		
Pets, Home and Vehicles	1.45	75.40	2.01	104.52	1.57	81.64		
Household Management	1.05	54.60	0.92	47.84	1.14	59.28		
Shopping	3.22	167.44	3.76	195.52	3.21	166.92		
Obtaining Services	0.10	5.20	0.10	5.20	0.08	4.16		
Travel for Household Activity	2.17	112.84	2.66	138.32	2.14	111.28		
<b>Total Household Production</b>	<b>19.66</b>	<b>1,022.32</b>	<b>20.94</b>	<b>1,088.88</b>	<b>20.07</b>	<b>1,043.64</b>	<b>19.52</b>	<b>1,015.04</b>
Household Children	10.75	559.00	5.25	273.00	9.66	502.32		
Household Adults	0.13	6.76	0.09	4.68	0.14	7.28		
Travel for Household Members	1.85	96.20	1.65	85.80	1.89	98.28		
<b>Caring and Helping--Household Members</b>	<b>12.73</b>	<b>661.96</b>	<b>6.99</b>	<b>363.48</b>	<b>11.69</b>	<b>607.88</b>	<b>6.40</b>	<b>332.54</b>
Non-Household Members	0.48	24.96	1.06	55.12	0.42	21.84		
Travel for Non-Household Members	0.34	17.68	0.42	21.84	0.33	17.16		
<b>Caring and Helping--Non-Household Members</b>	<b>0.82</b>	<b>42.64</b>	<b>1.48</b>	<b>76.96</b>	<b>0.75</b>	<b>39.00</b>	<b>1.12</b>	<b>57.98</b>

PART B. REPLACEMENT HOURLY WAGE (a)

Time Use Category	1. Married females employed full-time, youngest child under age 13--T60 (a)		2. Married mothers employed full-time youngest child between age 12 and age 13 (b)		3. Married mothers employed full-time with two children under age 18 (c)		4. Married mothers employed full-time youngest child age 12-13, 2 kids (d)	
	Time Weights	Hourly Wage (a)	Time Weights	Hourly Wage	Time Weights	Hourly Wage	Time Weights	Hourly Wage
Inside Housework	0.304	\$12.24	0.276	\$12.24	0.306	\$12.24		
Food Cooking & Cleanup	0.289	\$11.84	0.273	\$11.84	0.288	\$11.84		
Pets, Home and Vehicles	0.074	\$14.16	0.096	\$14.16	0.078	\$14.16		
Household Management	0.053	\$18.19	0.044	\$18.19	0.057	\$18.19		
Shopping	0.164	\$12.90	0.180	\$12.90	0.160	\$12.90		
Obtaining Services	0.005	\$15.54	0.005	\$15.54	0.004	\$15.54		
Travel for Household Activity	0.110	\$13.88	0.127	\$13.88	0.107	\$13.88		
<b>Total Household Production</b>	<b>1.000</b>	<b>\$12.89</b>	<b>1.000</b>	<b>\$12.92</b>	<b>1.000</b>	<b>\$12.91</b>		<b>\$12.91</b>
Household Children	0.844	\$12.69	0.751	\$12.69	0.826	\$12.69		
Household Adults	0.010	\$12.48	0.013	\$12.48	0.012	\$12.48		
Travel for Household Members	0.145	\$15.59	0.236	\$15.59	0.162	\$15.59		
<b>Caring and Helping--Household Members</b>	<b>1.000</b>	<b>\$13.11</b>	<b>1.000</b>	<b>\$13.37</b>	<b>1.000</b>	<b>\$13.16</b>		<b>\$13.26</b>
Non-Household Members	0.585	12.93	0.716	12.93	0.560	12.93		
Travel for Non-Household Members	0.415	\$15.59	0.284	\$15.59	0.440	\$15.59		
<b>Caring and Helping--Non-Household Members</b>	<b>1.000</b>	<b>\$14.03</b>	<b>1.000</b>	<b>\$13.68</b>	<b>1.000</b>	<b>\$14.10</b>		<b>\$13.89</b>

PART C. ANNUAL REPLACEMENT COST OF LOSS OF HOUSEHOLD PRODUCTION AND CARING AND HELPING--HOUSEHOLD MEMBERS

	Computing Replacement Value Lost in Period for #1	Computing Replacement Value Lost in Period for #2	Computing Replacement Value Lost in Period for #3	Computing Replacement Value Lost in Period for #4
Household Production	1,022.32	1,088.88	1,043.64	1,015.04
Caring and Helping--Household Members	661.96	363.48	607.88	332.54
<b>Total Hours</b>	<b>1,684.28</b>	<b>1,452.36</b>	<b>1,651.52</b>	<b>1,347.58</b>
Hourly Wage for Household Production	\$12.89	\$12.92	\$12.91	\$12.91
Hourly Wage for Caring and Helping	\$13.11	\$13.37	\$13.16	\$13.26
Weighted Average Hourly Wage	\$12.98	\$13.03	\$13.00	\$13.00
<b>Annual Replacement Cost</b>	<b>\$21,855</b>	<b>\$18,928</b>	<b>\$21,467</b>	<b>\$17,518</b>
Beginning of Period	09/04/22	09/04/22	09/04/22	09/04/22
End of Period	10/19/22	10/19/22	10/19/22	10/19/22
Length of Period in Years and Fractional Equivalent	0.123	0.123	0.123	0.123
<b>Total Lost Replacement Value for Period</b>	<b>\$2,694</b>	<b>\$2,334</b>	<b>\$2,647</b>	<b>\$2,160</b>

(a) Source: Expectancy Data, "The Dollar Value of a Day, Time Dairy Analysis, 2013 Dollar Valuation (DVD)," Shawnee Mission, Kansas, 2014 (DVD), and Table 1 of this paper.

(b) Source: Table 2 of this paper.

(c) Source: Table 14 of this paper.

(d) Source: Table 19 of this paper. The amount of caring and helping for non-household members is estimated as the average of the amount of such time that is shown in #2 and #3, and that amount is deducted from total caring and helping time to estimate the amount of caring and helping time that is devoted to household members. Hourly wages are estimated as the average of the hourly wages shown in #2 and #3.

SAMPLE CASE TABLE 16

ESTIMATED VALUE OF HOUSHOLD SERVICES THAT WOULD HAVE BEEN PERFORMED BY JANE DOE, DECEASED  
Married mother who is employed full-time, two children under age 18, the youngest being between age 13 and age 14

PART A. HOUSEHOLD WORK HOURS (a)

Time Use Category	1. Married females employed full-time, youngest child age 13-17--T63 (a)		2. Married mothers employed full-time youngest child between age 13 and age 14 (b)		3. Married mothers employed full-time with two children under age 18 (c)		4. Married mothers employed full-time youngest child age 13-14, 2 kids (d)	
	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours
Inside Housework	6.17	320.84	7.08	368.16	6.15	319.80		
Food Cooking & Cleanup	5.76	299.52	6.08	316.16	5.78	300.56		
Pets, Home and Vehicles	2.32	120.64	2.28	118.56	1.57	81.64		
Household Management	1.22	63.44	1.15	59.80	1.14	59.28		
Shopping	3.51	182.52	3.52	183.04	3.21	166.92		
Obtaining Services	0.09	4.68	0.10	5.20	0.08	4.16		
Travel for Household Activity	2.47	128.44	2.23	115.96	2.14	111.28		
<b>Total Household Production</b>	<b>21.54</b>	<b>1,120.08</b>	<b>22.44</b>	<b>1,166.88</b>	<b>20.07</b>	<b>1,043.64</b>	<b>22.31</b>	<b>1,160.12</b>
Household Children	2.46	127.92	3.29	171.08	9.66	502.32		
Household Adults	0.21	10.92	0.16	8.32	0.14	7.28		
Travel for Household Members	1.21	62.92	1.39	72.28	1.89	98.28		
<b>Caring and Helping--Household Members</b>	<b>3.88</b>	<b>201.76</b>	<b>4.84</b>	<b>251.68</b>	<b>11.69</b>	<b>607.88</b>	<b>6.63</b>	<b>344.50</b>
Non-Household Members	0.94	48.88	0.79	41.08	0.42	21.84		
Travel for Non-Household Members	0.37	19.24	0.37	19.24	0.33	17.16		
<b>Caring and Helping--Non-Household Members</b>	<b>1.31</b>	<b>68.12</b>	<b>1.16</b>	<b>60.32</b>	<b>0.75</b>	<b>39.00</b>	<b>0.96</b>	<b>49.66</b>

PART B. REPLACEMENT HOURLY WAGE (a)

Time Use Category	Time Weights	Hourly Wage (a)	Time Weights	Hourly Wage	Time Weights	Hourly Wage	Time Weights	Hourly Wage
Inside Housework	0.286	\$12.24	0.316	\$12.24	0.306	\$12.24		
Food Cooking & Cleanup	0.267	\$11.84	0.271	\$11.84	0.288	\$11.84		
Pets, Home and Vehicles	0.108	\$14.16	0.102	\$14.16	0.078	\$14.16		
Household Management	0.057	\$18.19	0.051	\$18.19	0.057	\$18.19		
Shopping	0.163	\$12.90	0.157	\$12.90	0.160	\$12.90		
Obtaining Services	0.004	\$15.54	0.004	\$15.54	0.004	\$15.54		
Travel for Household Activity	0.115	\$13.88	0.099	\$13.88	0.107	\$13.88		
<b>Total Household Production</b>	<b>1.000</b>	<b>\$12.99</b>	<b>1.000</b>	<b>\$12.91</b>	<b>1.000</b>	<b>\$12.91</b>		<b>\$12.91</b>
Household Children	0.634	\$12.69	0.680	\$12.69	0.826	\$12.69		
Household Adults	0.054	\$12.48	0.033	\$12.48	0.012	\$12.48		
Travel for Household Members	0.312	\$15.59	0.287	\$15.59	0.162	\$15.59		
<b>Caring and Helping--Household Members</b>	<b>1.000</b>	<b>\$13.58</b>	<b>1.000</b>	<b>\$13.52</b>	<b>1.000</b>	<b>\$13.16</b>		<b>\$13.34</b>
Non-Household Members	0.718	12.93	0.681	12.93	0.560	12.93		
Travel for Non-Household Members	0.282	\$15.59	0.319	\$15.59	0.440	\$15.59		
<b>Caring and Helping--Non-Household Members</b>	<b>1.000</b>	<b>\$13.68</b>	<b>1.000</b>	<b>\$13.78</b>	<b>1.000</b>	<b>\$14.10</b>		<b>\$13.94</b>

PART C. ANNUAL REPLACEMENT COST OF LOSS OF HOUSEHOLD PRODUCTION AND CARING AND HELPING--HOUSEHOLD MEMBERS

	Computing Replacement Value Lost in Period for #1	Computing Replacement Value Lost in Period for #2	Computing Replacement Value Lost in Period for #3	Computing Replacement Value Lost in Period for #4
Household Production	1,120.08	1,166.88	1,043.64	1,160.12
Caring and Helping--Household Members	201.76	251.68	607.88	344.50
<b>Total Hours</b>	<b>1,321.84</b>	<b>1,418.56</b>	<b>1,651.52</b>	<b>1,504.62</b>
Hourly Wage for Household Production	\$12.99	\$12.91	\$12.91	\$12.91
Hourly Wage for Caring and Helping	\$13.58	\$13.52	\$13.16	\$13.34
Weighted Average Hourly Wage	\$13.08	\$13.02	\$13.00	\$13.01
<b>Annual Replacement Cost</b>	<b>\$17,286</b>	<b>\$18,469</b>	<b>\$21,467</b>	<b>\$19,571</b>
Beginning of Period	10/19/22	10/19/22	10/19/22	10/19/22
End of Period	10/19/23	10/19/23	10/19/23	10/19/23
Length of Period in Years and Fractional Equivalent	1.000	1.000	1.000	1.000
<b>Total Lost Replacement Value for Period</b>	<b>\$17,286</b>	<b>\$18,469</b>	<b>\$21,467</b>	<b>\$19,571</b>

(a) Source: Expectancy Data, "The Dollar Value of a Day, Time Dairy Analysis, 2013 Dollar Valuation (DVD)," Shawnee Mission, Kansas, 2014 (DVD), and Table 1 of this paper.

(b) Source: Table 8 of this paper.

(c) Source: Table 14 of this paper.

(d) Source: Table 19 of this paper. The amount of caring and helping for non-household members is estimated as the average of the amount of such time that is shown in #2 and #3, and that amount is deducted from total caring and helping time to estimate the amount of caring and helping time that is devoted to household members. Hourly wages are estimated as the average of the hourly wages shown in #2 and #3.

SAMPLE CASE TABLE 17

ESTIMATED VALUE OF HOUSHOLD SERVICES THAT WOULD HAVE BEEN PERFORMED BY JANE DOE, DECEASED  
 Married mother who is employed full-time, two children under age 18, the youngest being between age 14 and age 15

PART A. HOUSEHOLD WORK HOURS (a)

Time Use Category	1. Married females employed full-time, youngest child age 13-17--T63 (a)		2. Married mothers employed full-time youngest child between age 14 and age 15 (b)		3. Married mothers employed full-time with two children under age 18 (c)		4. Married mothers employed full-time youngest child age 14-15, 2 kids (d)	
	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours
Inside Housework	6.17	320.84	6.41	333.32	6.15	319.80		
Food Cooking & Cleanup	5.76	299.52	5.96	309.92	5.78	300.56		
Pets, Home and Vehicles	2.32	120.64	2.29	119.08	1.57	81.64		
Household Management	1.22	63.44	1.30	67.60	1.14	59.28		
Shopping	3.51	182.52	3.86	200.72	3.21	166.92		
Obtaining Services	0.09	4.68	0.10	5.20	0.08	4.16		
Travel for Household Activity	2.47	128.44	2.49	129.48	2.14	111.28		
<b>Total Household Production</b>	<b>21.54</b>	<b>1,120.08</b>	<b>22.41</b>	<b>1,165.32</b>	<b>20.07</b>	<b>1,043.64</b>	<b>22.31</b>	<b>1,160.12</b>
Household Children	2.46	127.92	2.96	153.92	9.66	502.32		
Household Adults	0.21	10.92	0.17	8.84	0.14	7.28		
Travel for Household Members	1.21	62.92	1.53	79.56	1.89	98.28		
<b>Caring and Helping--Household Members</b>	<b>3.88</b>	<b>201.76</b>	<b>4.66</b>	<b>242.32</b>	<b>11.69</b>	<b>607.88</b>	<b>6.45</b>	<b>335.40</b>
Non-Household Members	0.94	48.88	1.05	54.60	0.42	21.84		
Travel for Non-Household Members	0.37	19.24	0.46	23.92	0.33	17.16		
<b>Caring and Helping--Non-Household Members</b>	<b>1.31</b>	<b>68.12</b>	<b>1.51</b>	<b>78.52</b>	<b>0.75</b>	<b>39.00</b>	<b>1.13</b>	<b>58.76</b>

PART B. REPLACEMENT HOURLY WAGE (a)

Time Use Category	Time Weights	Hourly Wage (a)	Time Weights	Hourly Wage	Time Weights	Hourly Wage	Time Weights	Hourly Wage
Inside Housework	0.286	\$12.24	0.286	\$12.24	0.306	\$12.24		
Food Cooking & Cleanup	0.267	\$11.84	0.266	\$11.84	0.288	\$11.84		
Pets, Home and Vehicles	0.108	\$14.16	0.102	\$14.16	0.078	\$14.16		
Household Management	0.057	\$18.19	0.058	\$18.19	0.057	\$18.19		
Shopping	0.163	\$12.90	0.172	\$12.90	0.160	\$12.90		
Obtaining Services	0.004	\$15.54	0.004	\$15.54	0.004	\$15.54		
Travel for Household Activity	0.115	\$13.88	0.111	\$13.88	0.107	\$13.88		
<b>Total Household Production</b>	<b>1.000</b>	<b>\$12.99</b>	<b>1.000</b>	<b>\$12.99</b>	<b>1.000</b>	<b>\$12.91</b>		<b>\$12.95</b>
Household Children	0.634	\$12.69	0.635	\$12.69	0.826	\$12.69		
Household Adults	0.054	\$12.48	0.036	\$12.48	0.012	\$12.48		
Travel for Household Members	0.312	\$15.59	0.328	\$15.59	0.162	\$15.59		
<b>Caring and Helping--Household Members</b>	<b>1.000</b>	<b>\$13.58</b>	<b>1.000</b>	<b>\$13.63</b>	<b>1.000</b>	<b>\$13.16</b>		<b>\$13.40</b>
Non-Household Members	0.718	12.93	0.695	12.93	0.560	12.93		
Travel for Non-Household Members	0.282	\$15.59	0.305	\$15.59	0.440	\$15.59		
<b>Caring and Helping--Non-Household Members</b>	<b>1.000</b>	<b>\$13.68</b>	<b>1.000</b>	<b>\$13.74</b>	<b>1.000</b>	<b>\$14.10</b>		<b>\$13.92</b>

PART C. ANNUAL REPLACEMENT COST OF LOSS OF HOUSEHOLD PRODUCTION AND CARING AND HELPING--HOUSEHOLD MEMBERS

	Computing Replacement Value Lost in Period for #1	Computing Replacement Value Lost in Period for #2	Computing Replacement Value Lost in Period for #3	Computing Replacement Value Lost in Period for #4
Household Production	1,120.08	1,165.32	1,043.64	1,160.12
Caring and Helping--Household Members	201.76	242.32	607.88	335.40
<b>Total Hours</b>	<b>1,321.84</b>	<b>1,407.64</b>	<b>1,651.52</b>	<b>1,495.52</b>
Hourly Wage for Household Production	\$12.99	\$12.99	\$12.91	\$12.95
Hourly Wage for Caring and Helping	\$13.58	\$13.63	\$13.16	\$13.40
Weighted Average Hourly Wage	\$13.08	\$13.10	\$13.00	\$13.05
<b>Annual Replacement Cost</b>	<b>\$17,286</b>	<b>\$18,436</b>	<b>\$21,467</b>	<b>\$19,512</b>
Beginning of Period	10/19/23	10/19/23	10/19/23	10/19/23
End of Period	09/19/24	09/19/24	09/19/24	09/19/24
Length of Period in Years and Fractional Equivalent	0.921	0.921	0.921	0.921
<b>Total Lost Replacement Value for Period</b>	<b>\$15,913</b>	<b>\$16,971</b>	<b>\$19,762</b>	<b>\$17,962</b>

(a) Source: Expectancy Data, "The Dollar Value of a Day, Time Dairy Analysis, 2013 Dollar Valuation (DVD)," Shawnee Mission, Kansas, 2014 (DVD), and Table 1 of this paper.

(b) Source: Table 8 of this paper.

(c) Source: Table 14 of this paper.

(d) Source: Table 19 of this paper. The amount of caring and helping for non-household members is estimated as the average of the amount of such time that is shown in #2 and #3, and that amount is deducted from total caring and helping time to estimate the amount of caring and helping time that is devoted to household members. Hourly wages are estimated as the average of the hourly wages shown in #2 and #3.

SAMPLE CASE TABLE 18

ESTIMATED VALUE OF HOUSHOLD SERVICES THAT WOULD HAVE BEEN PERFORMED BY JANE DOE, DECEASED  
Married mother who is employed full-time, one child between age 14 and age 15

PART A. HOUSEHOLD WORK HOURS (a)

Time Use Category	1. Married females employed full-time, youngest child age 13-17--T63 (a)		2. Married mothers employed full-time youngest child between age 14 and age 15 (b)		3. Married mothers employed full-time with one child under age 18 (c)		4. Married mothers employed full-time youngest child age 14-15, 1 child (d)	
	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours
Inside Housework	6.17	320.84	6.41	333.32	5.59	290.68		
Food Cooking & Cleanup	5.76	299.52	5.96	309.92	5.31	276.12		
Pets, Home and Vehicles	2.32	120.64	2.29	119.08	1.86	96.72		
Household Management	1.22	63.44	1.30	67.60	1.06	55.12		
Shopping	3.51	182.52	3.86	200.72	3.34	173.68		
Obtaining Services	0.09	4.68	0.10	5.20	0.11	5.72		
Travel for Household Activity	2.47	128.44	2.49	129.48	2.31	120.12		
<b>Total Household Production</b>	<b>21.54</b>	<b>1,120.08</b>	<b>22.41</b>	<b>1,165.32</b>	<b>19.58</b>	<b>1,018.16</b>	<b>21.83</b>	<b>1,135.16</b>
Household Children	2.46	127.92	2.96	153.92	7.50	390.00		
Household Adults	0.21	10.92	0.17	8.84	0.17	8.84		
Travel for Household Members	1.21	62.92	1.53	79.56	1.38	71.76		
<b>Caring and Helping--Household Members</b>	<b>3.88</b>	<b>201.76</b>	<b>4.66</b>	<b>242.32</b>	<b>9.05</b>	<b>470.60</b>	<b>4.10</b>	<b>212.94</b>
Non-Household Members	0.94	48.88	1.05	54.60	0.75	39.00		
Travel for Non-Household Members	0.37	19.24	0.46	23.92	0.35	18.20		
<b>Caring and Helping--Non-Household Members</b>	<b>1.31</b>	<b>68.12</b>	<b>1.51</b>	<b>78.52</b>	<b>1.10</b>	<b>57.20</b>	<b>1.31</b>	<b>67.86</b>

PART B. REPLACEMENT HOURLY WAGE (a)

Time Use Category	Time Weights	Hourly Wage (a)	Time Weights	Hourly Wage	Time Weights	Hourly Wage	Time Weights	Hourly Wage
Inside Housework	0.286	\$12.24	0.286	\$12.24	0.285	\$12.24		
Food Cooking & Cleanup	0.267	\$11.84	0.266	\$11.84	0.271	\$11.84		
Pets, Home and Vehicles	0.108	\$14.16	0.102	\$14.16	0.095	\$14.16		
Household Management	0.057	\$18.19	0.058	\$18.19	0.054	\$18.19		
Shopping	0.163	\$12.90	0.172	\$12.90	0.171	\$12.90		
Obtaining Services	0.004	\$15.54	0.004	\$15.54	0.006	\$15.54		
Travel for Household Activity	0.115	\$13.88	0.111	\$13.88	0.118	\$13.88		
<b>Total Household Production</b>	<b>1.000</b>	<b>\$12.99</b>	<b>1.000</b>	<b>\$12.99</b>	<b>1.000</b>	<b>\$12.96</b>		<b>\$12.97</b>
Household Children	0.634	\$12.69	0.635	\$12.69	0.829	\$12.69		
Household Adults	0.054	\$12.48	0.036	\$12.48	0.019	\$12.48		
Travel for Household Members	0.312	\$15.59	0.328	\$15.59	0.152	\$15.59		
<b>Caring and Helping--Household Members</b>	<b>1.000</b>	<b>\$13.58</b>	<b>1.000</b>	<b>\$13.63</b>	<b>1.000</b>	<b>\$13.13</b>		<b>\$13.38</b>
Non-Household Members	0.718	12.93	0.695	12.93	0.682	12.93		
Travel for Non-Household Members	0.282	\$15.59	0.305	\$15.59	0.318	\$15.59		
<b>Caring and Helping--Non-Household Members</b>	<b>1.000</b>	<b>\$13.68</b>	<b>1.000</b>	<b>\$13.74</b>	<b>1.000</b>	<b>\$13.78</b>		<b>\$13.76</b>

PART C. ANNUAL REPLACEMENT COST OF LOSS OF HOUSEHOLD PRODUCTION AND CARING AND HELPING--HOUSEHOLD MEMBERS

	Computing Replacement Value Lost in Period for #1	Computing Replacement Value Lost in Period for #2	Computing Replacement Value Lost in Period for #3	Computing Replacement Value Lost in Period for #4
Household Production	1,120.08	1,165.32	1,018.16	1,135.16
Caring and Helping--Household Members	201.76	242.32	470.60	212.94
Total Hours	1,321.84	1,407.64	1,488.76	1,348.10
Hourly Wage for Household Production	\$12.99	\$12.99	\$12.96	\$12.97
Hourly Wage for Caring and Helping	\$13.58	\$13.63	\$13.13	\$13.38
Weighted Average Hourly Wage	\$13.08	\$13.10	\$13.01	\$13.04
<b>Annual Replacement Cost</b>	<b>\$17,286</b>	<b>\$18,436</b>	<b>\$19,374</b>	<b>\$17,576</b>
Beginning of Period	09/19/24	09/19/24	09/19/24	09/19/24
End of Period	10/19/24	10/19/24	10/19/24	10/19/24
Length of Period in Years and Fractional Equivalent	0.082	0.082	0.082	0.082
<b>Total Lost Replacement Value for Period</b>	<b>\$1,421</b>	<b>\$1,515</b>	<b>\$1,592</b>	<b>\$1,445</b>

(a) Source: Expectancy Data, "The Dollar Value of a Day, Time Dairy Analysis, 2013 Dollar Valuation (DVD)," Shawnee Mission, Kansas, 2014 (DVD), and Table 1 of this paper.

(b) Source: Table 8 of this paper.

(c) Source: Table 14 of this paper.

(d) Source: Table 19 of this paper. The amount of caring and helping for non-household members is estimated as the average of the amount of such time that is shown in #2 and #3, and that amount is deducted from total caring and helping time to estimate the amount of caring and helping time that is devoted to household members. Hourly wages are estimated as the average of the hourly wages shown in #2 and #3.

SAMPLE CASE TABLE 19

ESTIMATED VALUE OF HOUSHOLD SERVICES THAT WOULD HAVE BEEN PERFORMED BY JANE DOE, DECEASED  
Married mother who is employed full-time, one child between age 15 and age 16

PART A. HOUSEHOLD WORK HOURS (a)

Time Use Category	1. Married females employed full-time, youngest child age 13-17--T63 (a)		2. Married mothers employed full-time youngest child between age 15 and age 16 (b)		3. Married mothers employed full-time with one child under age 18 (c)		4. Married mothers employed full-time youngest child age 15-16, 1 child (d)	
	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours
Inside Housework	6.17	320.84	5.23	271.96	5.59	290.68		
Food Cooking & Cleanup	5.76	299.52	5.36	278.72	5.31	276.12		
Pets, Home and Vehicles	2.32	120.64	2.43	126.36	1.86	96.72		
Household Management	1.22	63.44	1.18	61.36	1.06	55.12		
Shopping	3.51	182.52	3.68	191.36	3.34	173.68		
Obtaining Services	0.09	4.68	0.12	6.24	0.11	5.72		
Travel for Household Activity	2.47	128.44	2.75	143.00	2.31	120.12		
<b>Total Household Production</b>	<b>21.54</b>	<b>1,120.08</b>	<b>20.75</b>	<b>1,079.00</b>	<b>19.58</b>	<b>1,018.16</b>	<b>20.47</b>	<b>1,064.44</b>
Household Children	2.46	127.92	2.96	153.92	7.50	390.00		
Household Adults	0.21	10.92	0.18	9.36	0.17	8.84		
Travel for Household Members	1.21	62.92	1.56	81.12	1.38	71.76		
<b>Caring and Helping--Household Members</b>	<b>3.88</b>	<b>201.76</b>	<b>4.70</b>	<b>244.40</b>	<b>9.05</b>	<b>470.60</b>	<b>4.82</b>	<b>250.38</b>
Non-Household Members	0.94	48.88	0.79	41.08	0.75	39.00		
Travel for Non-Household Members	0.37	19.24	0.36	18.72	0.35	18.20		
<b>Caring and Helping--Non-Household Members</b>	<b>1.31</b>	<b>68.12</b>	<b>1.15</b>	<b>59.80</b>	<b>1.10</b>	<b>57.20</b>	<b>1.13</b>	<b>58.50</b>

PART B. REPLACEMENT HOURLY WAGE (a)

Time Use Category	Time Weights	Hourly Wage (a)	Time Weights	Hourly Wage	Time Weights	Hourly Wage	Time Weights	Hourly Wage
Inside Housework	0.286	\$12.24	0.252	\$12.24	0.285	\$12.24		
Food Cooking & Cleanup	0.267	\$11.84	0.258	\$11.84	0.271	\$11.84		
Pets, Home and Vehicles	0.108	\$14.16	0.117	\$14.16	0.095	\$14.16		
Household Management	0.057	\$18.19	0.057	\$18.19	0.054	\$18.19		
Shopping	0.163	\$12.90	0.177	\$12.90	0.171	\$12.90		
Obtaining Services	0.004	\$15.54	0.006	\$15.54	0.006	\$15.54		
Travel for Household Activity	0.115	\$13.88	0.133	\$13.88	0.118	\$13.88		
<b>Total Household Production</b>	<b>1.000</b>	<b>\$12.99</b>	<b>1.000</b>	<b>\$13.05</b>	<b>1.000</b>	<b>\$12.96</b>		<b>\$13.01</b>
Household Children	0.634	\$12.69	0.630	\$12.69	0.829	\$12.69		
Household Adults	0.054	\$12.48	0.038	\$12.48	0.019	\$12.48		
Travel for Household Members	0.312	\$15.59	0.332	\$15.59	0.152	\$15.59		
<b>Caring and Helping--Household Members</b>	<b>1.000</b>	<b>\$13.58</b>	<b>1.000</b>	<b>\$13.64</b>	<b>1.000</b>	<b>\$13.13</b>		<b>\$13.39</b>
Non-Household Members	0.718	\$12.93	0.687	\$12.93	0.682	\$12.93		
Travel for Non-Household Members	0.282	\$15.59	0.313	\$15.59	0.318	\$15.59		
<b>Caring and Helping--Non-Household Members</b>	<b>1.000</b>	<b>\$13.68</b>	<b>1.000</b>	<b>\$13.76</b>	<b>1.000</b>	<b>\$13.78</b>		<b>\$13.77</b>

PART C. ANNUAL REPLACEMENT COST OF LOSS OF HOUSEHOLD PRODUCTION AND CARING AND HELPING--HOUSEHOLD MEMBERS

	Computing Replacement Value Lost in Period for #1	Computing Replacement Value Lost in Period for #2	Computing Replacement Value Lost in Period for #3	Computing Replacement Value Lost in Period for #4
Household Production	1,120.08	1,079.00	1,018.16	1,064.44
Caring and Helping--Household Members	201.76	244.40	470.60	250.38
<b>Total Hours</b>	<b>1,321.84</b>	<b>1,323.40</b>	<b>1,488.76</b>	<b>1,314.82</b>
Hourly Wage for Household Production	\$12.99	\$13.05	\$12.96	\$13.01
Hourly Wage for Caring and Helping	\$13.58	\$13.64	\$13.13	\$13.39
Weighted Average Hourly Wage	\$13.08	\$13.16	\$13.01	\$13.08
<b>Annual Replacement Cost</b>	<b>\$17,286</b>	<b>\$17,419</b>	<b>\$19,374</b>	<b>\$17,197</b>
Beginning of Period	10/19/24	10/19/24	10/19/24	10/19/24
End of Period	10/19/25	10/19/25	10/19/25	10/19/25
Length of Period in Years and Fractional Equivalent	1.000	1.000	1.000	1.000
<b>Total Lost Replacement Value for Period</b>	<b>\$17,286</b>	<b>\$17,419</b>	<b>\$19,374</b>	<b>\$17,197</b>

(a) Source: Expectancy Data, "The Dollar Value of a Day, Time Dairy Analysis, 2013 Dollar Valuation (DVD)," Shawnee Mission, Kansas, 2014 (DVD), and Table 1 of this paper.

(b) Source: Table 8 of this paper.

(c) Source: Table 14 of this paper.

(d) Source: Table 19 of this paper. The amount of caring and helping for non-household members is estimated as the average of the amount of such time that is shown in #2 and #3, and that amount is deducted from total caring and helping time to estimate the amount of caring and helping time that is devoted to household members. Hourly wages are estimated as the average of the hourly wages shown in #2 and #3.

SAMPLE CASE TABLE 20

ESTIMATED VALUE OF HOUSHOLD SERVICES THAT WOULD HAVE BEEN PERFORMED BY JANE DOE, DECEASED  
Married mother who is employed full-time, one child between age 16 and age 17

PART A. HOUSEHOLD WORK HOURS (a)

Time Use Category	1. Married females employed full-time, youngest child age 13-17--T63 (a)		2. Married mothers employed full-time youngest child between age 16 and age 17 (b)		3. Married mothers employed full-time with one child under age 18 (c)		4. Married mothers employed part-time youngest child age 16-17, 1 child (d)	
	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours
Inside Housework	6.17	320.84	5.71	296.92	5.59	290.68		
Food Cooking & Cleanup	5.76	299.52	5.70	296.40	5.31	276.12		
Pets, Home and Vehicles	2.32	120.64	1.88	97.76	1.86	96.72		
Household Management	1.22	63.44	1.14	59.28	1.06	55.12		
Shopping	3.51	182.52	2.90	150.80	3.34	173.68		
Obtaining Services	0.09	4.68	0.08	4.16	0.11	5.72		
Travel for Household Activity	2.47	128.44	2.57	133.64	2.31	120.12		
<b>Total Household Production</b>	<b>21.54</b>	<b>1,120.08</b>	<b>19.98</b>	<b>1,038.96</b>	<b>19.58</b>	<b>1,018.16</b>	<b>20.27</b>	<b>1,054.04</b>
Household Children	2.46	127.92	1.78	92.56	7.50	390.00		
Household Adults	0.21	10.92	0.26	13.52	0.17	8.84		
Travel for Household Members	1.21	62.92	1.02	53.04	1.38	71.76		
<b>Caring and Helping--Household Members</b>	<b>3.88</b>	<b>201.76</b>	<b>3.06</b>	<b>159.12</b>	<b>9.05</b>	<b>470.60</b>	<b>3.32</b>	<b>172.64</b>
Non-Household Members	0.94	48.88	1.05	54.60	0.75	39.00		
Travel for Non-Household Members	0.37	19.24	0.35	18.20	0.35	18.20		
<b>Caring and Helping--Non-Household Members</b>	<b>1.31</b>	<b>68.12</b>	<b>1.40</b>	<b>72.80</b>	<b>1.10</b>	<b>57.20</b>	<b>1.25</b>	<b>65.00</b>

PART B. REPLACEMENT HOURLY WAGE (a)

Time Use Category	Time Weights	Hourly Wage (a)	Time Weights	Hourly Wage	Time Weights	Hourly Wage	Time Weights	Hourly Wage
Inside Housework	0.286	\$12.24	0.286	\$12.24	0.285	\$12.24		
Food Cooking & Cleanup	0.267	\$11.84	0.285	\$11.84	0.271	\$11.84		
Pets, Home and Vehicles	0.108	\$14.16	0.094	\$14.16	0.095	\$14.16		
Household Management	0.057	\$18.19	0.057	\$18.19	0.054	\$18.19		
Shopping	0.163	\$12.90	0.145	\$12.90	0.171	\$12.90		
Obtaining Services	0.004	\$15.54	0.004	\$15.54	0.006	\$15.54		
Travel for Household Activity	0.115	\$13.88	0.129	\$13.88	0.118	\$13.88		
<b>Total Household Production</b>	<b>1.000</b>	<b>\$12.99</b>	<b>1.000</b>	<b>\$12.97</b>	<b>1.000</b>	<b>\$12.96</b>		<b>\$12.96</b>
Household Children	0.634	\$12.69	0.582	\$12.69	0.829	\$12.69		
Household Adults	0.054	\$12.48	0.085	\$12.48	0.019	\$12.48		
Travel for Household Members	0.312	\$15.59	0.333	\$15.59	0.152	\$15.59		
<b>Caring and Helping--Household Members</b>	<b>1.000</b>	<b>\$13.58</b>	<b>1.000</b>	<b>\$13.64</b>	<b>1.000</b>	<b>\$13.13</b>		<b>\$13.38</b>
Non-Household Members	0.718	12.93	0.750	12.93	0.682	12.93		
Travel for Non-Household Members	0.282	\$15.59	0.250	\$15.59	0.318	\$15.59		
<b>Caring and Helping--Non-Household Members</b>	<b>1.000</b>	<b>\$13.68</b>	<b>1.000</b>	<b>\$13.60</b>	<b>1.000</b>	<b>\$13.78</b>		<b>\$13.69</b>

PART C. ANNUAL REPLACEMENT COST OF LOSS OF HOUSEHOLD PRODUCTION AND CARING AND HELPING--HOUSEHOLD MEMBERS

	Computing Replacement Value Lost in Period for #1	Computing Replacement Value Lost in Period for #2	Computing Replacement Value Lost in Period for #3	Computing Replacement Value Lost in Period for #4
Household Production	1,120.08	1,038.96	1,018.16	1,054.04
Caring and Helping--Household Members	201.76	159.12	470.60	172.64
<b>Total Hours</b>	<b>1,321.84</b>	<b>1,198.08</b>	<b>1,488.76</b>	<b>1,226.68</b>
Hourly Wage for Household Production	\$12.99	\$12.97	\$12.96	\$12.96
Hourly Wage for Caring and Helping	\$13.58	\$13.64	\$13.13	\$13.38
Weighted Average Hourly Wage	\$13.08	\$13.06	\$13.01	\$13.02
<b>Annual Replacement Cost</b>	<b>\$17,286</b>	<b>\$15,641</b>	<b>\$19,374</b>	<b>\$15,974</b>
Beginning of Period	10/19/25	10/19/24	10/19/24	10/19/24
End of Period	10/19/26	10/19/25	10/19/25	10/19/25
Length of Period in Years and Fractional Equivalent	1.000	1.000	1.000	1.000
<b>Total Lost Replacement Value for Period</b>	<b>\$17,286</b>	<b>\$15,641</b>	<b>\$19,374</b>	<b>\$15,974</b>

(a) Source: Expectancy Data, "The Dollar Value of a Day, Time Dairy Analysis, 2013 Dollar Valuation (DVD)," Shawnee Mission, Kansas, 2014 (DVD), and Table 1 of this paper.

(b) Source: Table 8 of this paper.

(c) Source: Table 14 of this paper.

(d) Source: Table 19 of this paper. The amount of caring and helping for non-household members is estimated as the average of the amount of such time that is shown in #2 and #3, and that amount is deducted from total caring and helping time to estimate the amount of caring and helping time that is devoted to household members. Hourly wages are estimated as the average of the hourly wages shown in #2 and #3.

SAMPLE CASE TABLE 21

ESTIMATED VALUE OF HOUSHOLD SERVICES THAT WOULD HAVE BEEN PERFORMED BY JANE DOE, DECEASED  
Married mother who is employed full-time, one child between age 17 and age 18

PART A. HOUSEHOLD WORK HOURS (a)

Time Use Category	1. Married females employed full-time, youngest child age 13-17--T63 (a)		2. Married mothers employed full-time youngest child between age 17 and age 18 (b)		3. Married mothers employed full-time with one child under age 18 (c)		4. Married mothers employed full-time youngest child age 17-18, 1 child (d)	
	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours	Weekly Hours	Annual Hours
Inside Housework	6.17	320.84	6.44	334.88	5.59	290.68		
Food Cooking & Cleanup	5.76	299.52	5.65	293.80	5.31	276.12		
Pets, Home and Vehicles	2.32	120.64	2.68	139.36	1.86	96.72		
Household Management	1.22	63.44	1.33	69.16	1.06	55.12		
Shopping	3.51	182.52	3.53	183.56	3.34	173.68		
Obtaining Services	0.09	4.68	0.06	3.12	0.11	5.72		
Travel for Household Activity	2.47	128.44	2.30	119.60	2.31	120.12		
<b>Total Household Production</b>	<b>21.54</b>	<b>1,120.08</b>	<b>21.99</b>	<b>1,143.48</b>	<b>19.58</b>	<b>1,018.16</b>	<b>22.23</b>	<b>1,155.96</b>
Household Children	2.46	127.92	1.24	64.48	7.50	390.00		
Household Adults	0.21	10.92	0.25	13.00	0.17	8.84		
Travel for Household Members	1.21	62.92	0.55	28.60	1.38	71.76		
<b>Caring and Helping--Household Members</b>	<b>3.88</b>	<b>201.76</b>	<b>2.04</b>	<b>106.08</b>	<b>9.05</b>	<b>470.60</b>	<b>2.23</b>	<b>115.70</b>
Non-Household Members	0.94	48.88	1.06	55.12	0.75	39.00		
Travel for Non-Household Members	0.37	19.24	0.31	16.12	0.35	18.20		
<b>Caring and Helping--Non-Household Members</b>	<b>1.31</b>	<b>68.12</b>	<b>1.37</b>	<b>71.24</b>	<b>1.10</b>	<b>57.20</b>	<b>1.24</b>	<b>64.22</b>

PART B. REPLACEMENT HOURLY WAGE (a)

Time Use Category	Time Weights	Hourly Wage (a)	Time Weights	Hourly Wage	Time Weights	Hourly Wage	Time Weights	Hourly Wage
Inside Housework	0.286	\$12.24	0.293	\$12.24	0.285	\$12.24		
Food Cooking & Cleanup	0.267	\$11.84	0.257	\$11.84	0.271	\$11.84		
Pets, Home and Vehicles	0.108	\$14.16	0.122	\$14.16	0.095	\$14.16		
Household Management	0.057	\$18.19	0.060	\$18.19	0.054	\$18.19		
Shopping	0.163	\$12.90	0.161	\$12.90	0.171	\$12.90		
Obtaining Services	0.004	\$15.54	0.003	\$15.54	0.006	\$15.54		
Travel for Household Activity	0.115	\$13.88	0.105	\$13.88	0.118	\$13.88		
<b>Total Household Production</b>	<b>1.000</b>	<b>\$12.99</b>	<b>1.000</b>	<b>\$13.02</b>	<b>1.000</b>	<b>\$12.96</b>		<b>\$12.99</b>
Household Children	0.634	\$12.69	0.608	\$12.69	0.829	\$12.69		
Household Adults	0.054	\$12.48	0.123	\$12.48	0.019	\$12.48		
Travel for Household Members	0.312	\$15.59	0.270	\$15.59	0.152	\$15.59		
<b>Caring and Helping--Household Members</b>	<b>1.000</b>	<b>\$13.58</b>	<b>1.000</b>	<b>\$13.45</b>	<b>1.000</b>	<b>\$13.13</b>		<b>\$13.29</b>
Non-Household Members	0.718	\$12.93	0.774	\$12.93	0.682	\$12.93		
Travel for Non-Household Members	0.282	\$15.59	0.226	\$15.59	0.318	\$15.59		
<b>Caring and Helping--Non-Household Members</b>	<b>1.000</b>	<b>\$13.68</b>	<b>1.000</b>	<b>\$13.53</b>	<b>1.000</b>	<b>\$13.78</b>		<b>\$13.65</b>

PART C. ANNUAL REPLACEMENT COST OF LOSS OF HOUSEHOLD PRODUCTION AND CARING AND HELPING--HOUSEHOLD MEMBERS

	Computing Replacement Value Lost in Period for #1	Computing Replacement Value Lost in Period for #2	Computing Replacement Value Lost in Period for #3	Computing Replacement Value Lost in Period for #4
Household Production	1,120.08	1,143.48	1,018.16	1,155.96
Caring and Helping--Household Members	201.76	106.08	470.60	115.70
<b>Total Hours</b>	<b>1,321.84</b>	<b>1,249.56</b>	<b>1,488.76</b>	<b>1,271.66</b>
Hourly Wage for Household Production	\$12.99	\$13.02	\$12.96	\$12.99
Hourly Wage for Caring and Helping	\$13.58	\$13.45	\$13.13	\$13.29
Weighted Average Hourly Wage	\$13.08	\$13.05	\$13.01	\$13.02
<b>Annual Replacement Cost</b>	<b>\$17,286</b>	<b>\$16,312</b>	<b>\$19,374</b>	<b>\$16,552</b>
Beginning of Period	10/19/26	10/19/26	10/19/26	10/19/26
End of Period	10/19/27	10/19/27	10/19/27	10/19/27
Length of Period in Years and Fractional Equivalent	1.000	1.000	1.000	1.000
<b>Total Lost Replacement Value for Period</b>	<b>\$17,286</b>	<b>\$16,312</b>	<b>\$19,374</b>	<b>\$16,552</b>

(a) Source: Expectancy Data, "The Dollar Value of a Day, Time Dairy Analysis, 2013 Dollar Valuation (DVD)," Shawnee Mission, Kansas, 2014 (DVD), and Table 1 of this paper.

(b) Source: Table 8 of this paper.

(c) Source: Table 14 of this paper.

(d) Source: Table 19 of this paper. The amount of caring and helping for non-household members is estimated as the average of the amount of such time that is shown in #2 and #3, and that amount is deducted from total caring and helping time to estimate the amount of caring and helping time that is devoted to household members. Hourly wages are estimated as the average of the hourly wages shown in #2 and #3.