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Comparing Estimates of Time Use in the PSID's Supplement on Disability and Use of Time and the American Time Use Survey

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Abstract

This report compares estimates of time use from the 2009 PSID's supplement on Disability and Use of Time (DUST) and the 2009 American Time Use Survey (ATUS). For married individuals ages 60 and older, we compare the weighted percent participating in and the weighted average time spent on eight broadly defined activities: self-care activities (including sleeping, eating, grooming); productive activities (work, volunteering, and education); obtaining goods (durable and non-durable); household activities; physical care, looking, after others, and school-related activities; non-active leisure; active leisure, arts and entertainment, and travel; and organizational activities (such as religious and spiritual practice and government and civic activities). With a few exceptions, we find more participation among DUST respondents than among ATUS respondents and these patterns hold across age, sex, and disability status. In general, however, there are fewer differences between the two studies in the amount of time spent on particular activity categories.

I. Introduction

Disability and Use of Time (DUST) is a supplement to the 2009 Panel Study of Income Dynamics (PSID), a longitudinal study of a representative sample of US individuals and the families in which they reside. Since 1968, the PSID has collected data on family composition changes, housing and food expenditures, marriage and fertility histories, employment, income, time spent in housework, health, consumption, wealth, and more. DUST, which is supported by a program project grant from the National Institute on Aging (P01-AG029409), has two specific goals: 1) to assess the feasibility of including time diaries for adults on a larger scale in the PSID and 2) to produce a rich and nationally-focused data archive to support innovative research on disability, time use and well-being for older married couples. The purpose of this paper is to benchmark DUST to the 2009 American Time Use Survey (ATUS), the Bureau of Labor Statistics' continuous survey of time use in the United States.

II. Data

DUST Sample - DUST sampled couples in the PSID in which both spouses were at least age 50 as of December 31, 2008 and at least one spouse was age 60 or older at that time. Because the vast majority of married men and women ages 60 and older have spouses that are age 50 and older, the sample essentially represents married people ages 60 and older and their spouses. Between July and November 2009, each spouse in a married couple was interviewed twice over the phone about two randomly selected days, one weekday and one weekend day. In order to implement this same-day diary design, the couple was called and, after being consented, the interviewer attempted to schedule both husband and wife for interviews on the selected day of the week (e.g. Wednesday), but was flexible in terms of meeting the respondents' needs in terms of the specific date (e.g. June 24, July 1, etc.).

In order to enhance opportunities for studying disability, couples in which one or both spouses had a health limitation were oversampled and strata were further divided by husband's age (<70, 70+). As a result, the sample included 100 couples in which both husband and wife have a limitation, 100 in which neither has a limitation, and the remaining split evenly between couples with only the wife or only the husband having a limitation. Limitation for sampling purposes was defined using variables from the core 2009 PSID interview, i.e. at least one person in the couple responded that a health condition that they have limited their daily activities either "a lot" or "somewhat". Sampling weights that account for the complex design of DUST are provided to users on the public use files.

Of the 543 eligible couples who were sampled, at least one diary was completed with 394 couples (73%). Note that for 33 couples, one spouse was unable to participate in the interview because he or she had what PSID refers to as a permanent condition; that is, because of a permanent memory, hearing or other severe health condition, one spouse was unable to answer for him/herself. In these 33 cases, the study allowed the other spouse to participate so that the full spectrum of care provision would be represented. The sample of individuals in DUST therefore represents individuals able to respond for themselves.

ATUS Sample - The ATUS sample is drawn from the Current Population Survey (CPS), which includes the civilian, non-institutionalized population ages 15 and over who reside in occupied households. The CPS selects approximately 60,000 households from this population every month. About 1/8th of these households leave the study each month after the 8th CPS

4

interview attempt. Two months after leaving the study, households become eligible for selection into the ATUS sample (ATUS 2010).

The ATUS sample is a three-stage stratified sample. The first stage takes a subsample of the CPS households, correcting for the CPS's oversample of less-populous states so that the ATUS sample is distributed equally across states according to the state's proportion of the total US population. The second stage stratifies households by the race/ethnicity of the householder, the presence and age of children, and the number of adults in adults-only households. Households with a Hispanic or non-Hispanic black householder and households with children are oversampled. In the final stage, an eligible person in the household, those age 15 or older, is randomly selected to participate in ATUS, with all eligible household members having an equal probability of being selected into the study. Approximately 2,194 individuals are sampled each month (about 26,328 annually). The annual response rate for 2009 was 56.6 percent (ATUS 2010).

The monthly sample is randomly divided into four panels, one for each week of the month. The sample is also randomly split so that half of the respondents are interviewed about a weekday and half are interviewed about a weekend day. Overall, approximately 10 percent of the sample is assigned to each weekday and 25 percent to each weekend day. Selected respondents are sent a letter explaining that they have been selected to participate in ATUS. The letter also notifies the respondents of the exact date on which they will be contacted for the interview. On the designated date, which is based on the randomly assigned day of the week (e.g. Wednesday), interviewers attempt calls in six call blocks throughout the day. Interviewers make one call per block until the selected household is reached and the designated respondent agrees to be

interviewed. Interviewers may only contact/interview respondents on their designated day of the week (ATUS 2010).

III. Analytic samples

DUST includes only married individuals age 60 and older whose spouse is at least age 50 whereas ATUS includes a randomly selected individual age 15 and older. In order to make our analytic samples more comparable, we limit each sample to include only married individuals ages 60 and older. Consequently, the DUST analytic sample for this paper includes respondents who completed 1,324 diaries and the ATUS sample includes 1,434 respondents who each provided one diary. To test whether the inclusion of two diaries per person in DUST influenced our findings, we reran all analyses using only the first diary given by each DUST respondent. Substantive findings were substantially similar to those based on multiple diaries per person, so we present the findings based on the larger diary sample.

IV. Diaries

Both DUST and ATUS used a Computer Assisted Telephone Interview (CATI) to collect time diaries that cover a 24-hour period, starting with 4 am on the previous day and continuing until 4 am on the day of the interview. Respondents in both surveys were asked to report what they were doing and how long it took. In DUST, interviewers recorded all answers as open text and then selected one of nine pre-codes that determined follow-up questions for the given activity. In ATUS, interviewers either chose one of 13 pre-codes for commonly-reported activities or entered open text. In both studies, follow-up questions asked about the involvement of others and where activities took place. Although the DUST diary application was based on the ATUS diary and has many similarities, differences in the treatment of sequential vs. simultaneous activities could potentially lead to differences in time use estimates across the two studies. In ATUS, when simultaneous activities were reported by respondents, all named activities were listed in order, and the first mentioned was considered the main activity. With the exception of childcare, the interviewer did not ask specifically about simultaneous activities. DUST, on the other hand, incorporated procedures into the CATI to distinguish between simultaneous and sequential activities. If respondents reported that they were doing more than one activity at a given time, interviewers were instructed to have the respondent confirm that both activities were going on at the same time. If the activities were simultaneous, the respondent was asked to report which was the main activity. If the activities were not simultaneous, interviewers treated them as sequential entries in the diary.

V. Measures

Activity Codes

We compare across studies participation and time spent in various activities. In both studies, a coding scheme has been applied to the reported activities. For DUST, all activities were assigned a three-digit code. The first digit specifies the supercategory, the broadest possible category. The second digit represents a more specific category within the supercategory and the third digit is a subcategory of the second level category. For ATUS, activities were assigned a six-digit code: the first two digits indicate the major category (supercategory in DUST); the second two represent the second-tier level of detail or subcategories of the major category; and the last two digits designate a third tier or subcategories of the second-tier categories. We

7

performed a crosswalk between the two sets of codes, assigning the DUST category (2-digit) and supercategory (1-digit) codes to the ATUS 6-digit codes. See appendix Tables A1 and A2 for a listing of the crosswalk and the Stata code used to perform the crosswalk. Only 8 % of ATUS diaries had at least on activity that could not be assigned a DUST code (most often talking on the phone and traveling that were not elsewhere classified), accounting on average for 3 minutes of the day.

Our analyses of time use focus on the 8 broadly defined activities (supercategories): selfcare activities (including sleeping, eating, grooming); productive activities (work, volunteering, and education); obtaining goods (durable and non-durable); household activities; physical care, looking, after others, and school-related activities; non-active leisure; active leisure, arts and entertainment, and travel; and organizational activities (such as religious and spiritual practice and government and civic activities). We also examine a category that captures time spent in unspecified activities or periods of time for which respondents couldn't remember what they were doing.

Other measures

We stratify our results by age (60-69, 70-79, and 80+), sex, and whether the respondent reported a disability. Disability is defined as reporting difficulty with one or more of the following tasks: hearing, seeing, concentrating/remembering, walking and climbing, dressing and bathing, or doing errands alone. For the ATUS sample, these measures were collected as part of the CPS whereas DUST collected these at the time of the first diary collection. Table 1 shows the distribution of these characteristics for both ATUS and DUST. The mean age in both studies is about 69 years. The sex distribution across studies is similar with 46% of diaries being

reported by female respondents. Finally, DUST sample diaries are much more likely than ATUS diaries to come from a respondent with a disability (40.9% compared to 18.4%). We investigated this latter discrepancy by examining estimates from the American Community Survey (ACS). We found that the DUST and ACS estimates were relatively close: 40% for married persons 60 and older in DUST vs. 37% for all persons age 65 and older in the ACS (American FactFinder, Table S1810).

We also compare across studies the average number of entries per diary and three indicators of diary quality from the Multinational Time Use Study (Fisher 2010): the percent of diaries that have more than 90 minutes of missing activity information; percent of diaries with a low number of entries (<7); and the percent of diaries that are missing two or more of four core activities. Because ATUS drops diaries with fewer than 5 entries, we examine here the percent of diaries with only 5 or 6 entries. According to MTUS, the four core activities that should appear in high quality diaries include sleeping, eating or drinking (including all food preparation activities), personal care, and travel or exercise.

VI. ANALYSIS

We first tested for differences in indicators of diary quality. Next, focusing on the supercategories, we compared both the weighted percent participating in each activity and the weighted average duration of the activity (in minutes)¹. We used an F-statistic to test for significant differences across studies in the percent participating in an activity and a t-statistic for differences in mean duration; both tests are adjusted for survey design. To illuminate differences that we found, we further examined differences in participation and duration for the more

¹ Duration analyses included the entire sample rather than only those participating in an activity.

detailed activities defined by the 2-digit activity codes (available in the Appendix, Tables B1-B4). In addition, we examined results stratified by age, sex, and disability status.

VII. Results

Table 2 shows the distributions of the quality indicators for the DUST and ATUS samples. There were no significant differences across studies in the percentage of diaries missing more than 90 minutes or with only 5-6 entries, but DUST had fewer diaries with 2 or fewer core activities reported (5.3% vs. 9.0%). DUST also captured on average a greater number of diary entries than ATUS (24.6 vs. 19.2 activities per diary; data not shown).

Table 3 shows that there are significant differences between DUST and ATUS in the percent participating in five out of the eight listed activity groups and in the percent of diaries with data issues (missing/don't know and too personal). DUST respondents have higher participation than ATUS respondents in four of these five activity groups. ATUS, however, shows more participation, but no difference in time spent, in productive activities, largely the result of ATUS respondents reporting more volunteering than DUST respondents (Table B1). ATUS diaries also have more data issues than DUST diaries. There are, however, no differences in participation rates for self-care (which includes sleep), physical care/looking after others, or non-active leisure, of which self-care and non-active leisure show participation by all or nearly all respondents in both studies. With the exception of DUST respondents spending more of their time in active leisure than ATUS respondents, there are no differences across studies in the amount of time spent doing various activities.

The stratified results in Tables 4-6 show that the patterns found in Table 3 are generally replicated across age, sex, and disability status: with the exception of self-care, productive and

10

organizational activities, and data issues, DUST shows more participation than ATUS. The stratified results also indicate that many of the differences in participation emerge from differences in the youngest age group (ages 60-69). There is much less variation across studies at older ages (Table 2). Unlike age, there do not appear to be systemic differences in participation by sex: for some activities there are differences between DUST males and ATUS males and for other activities there are differences across studies for females. Stratifying results by disability status provides little insight into the differences found in Table 3.

VIII. CONCLUSIONS

This report compares estimates of time use from the 2009 PSID's supplement on Disability and Use of Time (DUST) and the 2009 American Time Use Survey (ATUS) for married individuals ages 60 and older. With a few exceptions, we find more participation among DUST respondents than among ATUS respondents and these patterns hold across age, sex, and disability status. DUST diaries may show more participation than ATUS diaries, in part, because DUST procedures allow for the accounting of sequential vs. simultaneous activities. In general, however, there are few differences between the two studies in the amount of time spent on particular activity categories.

References

American FactFinder, Table S1810. (http://factfinder.census.gov/servlet/STTable?_bm=y&-

<u>qr_name=ACS_2009_1YR_G00_S1810&-geo_id=01000US&-</u>

ds_name=ACS_2009_1YR_G00_&-_lang=en&-format=&-CONTEXT=st . Accessed

January 22, 2011.

American Time Use Survey (ATUS). 2010. American Time Use Survey User's Guide:

Understanding ATUS 2003-2009. <u>http://www.bls.gov/tus/atususersguide.pdf</u> . Access January 22, 2011.

Fisher, K. 2010. MTUS Coding Procedures: World 5.5 (Release 3) and World 5.8 & World 6.0 (Release 1) . 2010. <u>http://www.timeuse.org/files/cckpub/MTUS-Coding-Procedures-</u> 20100420.pdf . Accessed January 22, 2011.

| | Weigh | ted Perce | ent |
|----------------------------|--------|-----------|-----|
| | DUST | ATUS | |
| Age | | | |
| 60-69 | 59.0 | 57.2 | |
| 70-79 | 27.6 | 32.6 | |
| 80+ | 13.4 | 10.1 | |
| (mean age) | (69.1) | (69.1) | |
| Sex | | | |
| Male | 53.8 | 53.8 | |
| Female | 46.2 | 46.2 | |
| Disability | | | |
| Does not have a disability | 59.1 | 81.6 | ** |
| Has a disability | 40.9 | 18.4 | |
| (n) | 1,324 | 1,434 | |

Table 1: Sample characteristics: DUST vs. 2009 ATUS.

** F-test for difference between DUST and ATUS is significant at p<0.01

| Indicator | DUST | ATUS | |
|---|--------------------|------------|----|
| | Percent of Diaries | Percent of | |
| | | Diaries | |
| Missing >90 minutes of activity information | 5.3 | 6.8 | |
| 5-6 diary entries ¹ | 0.7 | 1.1 | |
| Number of core activities in diary ² | | | |
| 1 | 0.5 | 0.1 | ** |
| 2 | 4.8 | 8.9 | |
| 3 | 22.1 | 28.5 | |
| 4 | 72.7 | 62.5 | |
| n | 1,324 | 1,434 | |

Table 2: Quality indicators: 2009 DUST vs. 2009 ATUS (unweighted)

Chi-square significant at p<0.01

¹ATUS drops diaries with fewer than 5 entries. DUST had only two diaries with fewer than 5 activities, both of which are included in the DUST sample.

² According to MTUS (Fisher 2010), there are four core activities that time diaries should include: sleeping, eating or drinking (including all food preparation activities), personal care, and travel or exercise. Diaries that contain 3 or more of these core activities are considered to be of higher quality.

| | Weighted Percent Participating | | | • | Weighted Average Duration in Minute | | |
|--|-----------------------------------|-------|----|--------|--|----|--|
| | DUST | ATUS | | DUST | ATUS | | |
| One digit codes | | | | | | | |
| Self-care activities (includes sleep) Productive activities (work, volunteer, | 100.0 | 100.0 | | 650.0 | 663.8 | | |
| education) | 25.4 | 32.9 | ** | 103.1 | 121.5 | | |
| 3. Obtaining goods | 46.9 | 40.1 | * | 45.5 | 39.2 | | |
| 4. Household activities | 89.5 | 85.9 | * | 154.3 | 163.0 | | |
| 5. Physical care, looking after others & school- related activities | 19.4 | 16.0 | | 17.6 | 12.9 | | |
| 6. Non-active leisure | 99.2 | 98.4 | | 392.5 | 374.0 | | |
| 7. Active leisure, arts & entertainment, & travel | 32.5 | 25.5 | ** | 38.9 | 28.0 | ** | |
| 8. Organizational activities | 18.7 | 14.9 | * | 22.1 | 16.9 | | |
| 9. Data issues 9999. ATUS Activities that were not given a | 13.0 | 19.9 | ** | 15.6 | 17.6 | | |
| DUST code | | 8.2 | | | 3.0 | | |
| Total minutes | | | | 1439.7 | 1440.0 | | |
| (n) | 1,324 | 1,434 | | 1,324 | 1,434 | | |

Table 3: Percentage Participating and Duration in Minutes: 2009 DUST vs. 2009 ATUS.

| | Weighted Percent Participating | | | | | | | Weighted Duration in Minutes | | | | |
|-----------------------------------|--------------------------------|---------|-------|--------|-------|--------|--------|------------------------------|--------|---------|--------|--------|
| | Age | e 60-69 | Age | 70-79 | Age | e 80+ | Age | 60-69 | Age | e 70-79 | Age | e 80+ |
| | DUST | ATUS | DUST | ATUS | DUST | ATUS | DUST | ATUS | DUST | ATUS | DUST | ATUS |
| One digit codes | | | | | | | | | | | | |
| 1. Self-care activities (includes | | | | | | | | | | | | |
| sleep) | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 636.8 | 645.3 | 658.1 | 678.9 | 691.9 | 720.4 |
| 2. Productive activities (work, | | | | | | | | | | | | |
| volunteer, education) | 34.1 | 43.2 * | 14.3 | 21.4 * | 9.5 | 12.0 | 148.8 | 175.2 | 46.2 | 56.5 | 19.1 | 27.9 |
| 3. Obtaining goods | 49.6 | 40.6 * | 42.1 | 41.7 | 45.0 | 32.2 * | 48.8 | 42.9 | 42.4 | 36.0 | 37.0 | 28.7 |
| 4. Household activities | 90.3 | 85.2 | 89.2 | 87.0 | 86.1 | 86.6 | 157.7 | 159.2 | 158.5 | 175.7 | 130.6 | 143.7 |
| 5. Physical care, looking after | 24.6 | 17.6 ** | 10.5 | 14.3 | 14.7 | 12.6 | 24.7 | 16.7 | 7.2 | 8.6 | 7.9 | 5.6 |
| 6. Non-active leisure | 99.1 | 97.8 * | 99.3 | 99.3 | 99.8 | 98.7 | 352.9 | 338.7 | 439.8 | 408.1 | 470.0 | 463.7 |
| 7. Active leisure, arts & | 33.6 | 24.7 ** | 32.1 | 26.8 | 28.5 | 25.5 | 39.7 | 27.7 * | 42.6 | 31.6 | 28.0 | 18.0 |
| 8. Organizational activities | 15.2 | 13.3 | 24.0 | 18.2 * | 22.9 | 13.6 | 20.4 | 13.9 | 27.3 | 22.2 | 19.2 | 16.4 |
| 9. Data issues | 9.7 | 18.3 ** | 14.6 | 22.5 | 24.5 | 20.7 | 9.9 | 16.6 * | 17.7 | 20.1 | 36.1 | 15.3 |
| 9999. ATUS Activities that | | | | | | | | | | | | |
| were not given a DUST code | | 7.6 | | 11.0 | | 2.3 | | 3.9 | | 2.3 | | 0.4 |
| Total minutes | | | | | | | 1439.7 | 1439.9 | 1439.8 | 1439.9 | 1439.8 | 1440.0 |
| (n) | 720 | 843 | 406 | 448 | 198 | 143 | 720 | 843 | 406 | 448 | 198 | 143 |

| Table 4: Percentage | Participating and Duration | in Minutes by Age (60-69 | .70-79.80+) |): 2009 DUST vs. 2009 ATUS. |
|----------------------|------------------------------|--------------------------|-------------|-----------------------------|
| racio il rerectinage | - articipating and 2 dration | | , | |

| | Weighted Percent Participating | | | | | Weighte | d Dura | tion in Mir | nutes | | | |
|---|--------------------------------|--------|---|---------|-------|---------|--------|-------------|--------|--------|--------|----|
| | Ν | /lales | | Females | | Males | | | Female | | | |
| | DUST | ATUS | | DUST | ATUS | | DUST | ATUS | | DUST | ATUS | |
| One digit codes | | | | | | | | | | | | |
| 1. Self-care activities (includes sleep) | 100.0 | 100.0 | | 100.0 | 100.0 | | 632.8 | 651.9 | * | 670.1 | 677.8 | |
| 2. Productive activities (work, | | | | | | | | | | | | |
| volunteer, education) | 36.6 | 38.1 | | 17.0 | 26.8 | * | 137.6 | 151.4 | | 62.9 | 86.7 | |
| 3. Obtaining goods | 45.9 | 38.3 | * | 48.0 | 42.2 | | 44.0 | 34.9 | * | 47.3 | 44.2 | |
| 4. Household activities | 84.0 | 78.7 | | 95.8 | 94.3 | | 132.4 | 124.8 | | 179.8 | 207.5 | ** |
| 5. Physical care, looking after others & school-related activities | 15.5 | 14.1 | | 24.0 | 18.3 | | 11.7 | 11.0 | | 24.5 | 15.2 | * |
| 6. Non-active leisure | 98.9 | 98.4 | | 99.7 | 98.4 | | 391.8 | 399.0 | | 393.5 | 344.8 | ** |
| 7. Active leisure, arts & entertainment, & travel | 32.7 | 27.3 | | 32.4 | 23.3 | ** | 47.0 | 32.1 | ** | 29.6 | 23.2 | |
| 8. Organizational activities | 16.9 | 11.2 | * | 20.7 | 18.8 | | 21.9 | 16.0 | | 22.5 | 17.7 | |
| 9. Data issues | 13.2 | 18.4 | * | 12.8 | 21.7 | ** | 20.7 | 15.8 | | 9.7 | 19.8 | ** |
| 9999. ATUS Activities that were not given a DUST code | | 5.9 | | | 10.8 | | | 2.9 | | | 3.2 | |
| Total minutes | | | | | | | 1439.9 | 1439.8 | | 1439.9 | 1440.0 | |
| (n) | 709 | 729 | | 615 | 705 | | 709 | 729 | | 615 | 705 | |

Table 5: Percentage Participating and Duration in Minutes by Sex: 2009 DUST vs. 2009 ATUS.

| | | Weight | ted Pero | cent Particip | oating | | | Weighte | d Dura | tion in Min | utes | |
|---|-------|------------|----------|---------------|------------|----|--------|------------|--------|-------------|-----------|----|
| | No I | Disability | | Any I | Disability | | No l | Disability | | Any | Disabilit | у |
| | DUST | ATUS | | DUST | ATUS | | DUST | ATUS | | DUST | ATUS | |
| One digit codes | | | | | | | | | | | | |
| Self-care activities (includes sleep) Productive activities (work, | 100.0 | 100.0 | | 100.0 | 100.0 | | 633.9 | 651.3 | * | 673.3 | 719.7 | ** |
| volunteer, education) | 31.5 | 36.8 | | 16.6 | 15.3 | | 135.1 | 139.2 | | 56.9 | 42.9 | |
| 3. Obtaining goods | 48.2 | 42.4 | | 44.9 | 29.8 | ** | 47.6 | 41.7 | | 42.4 | 27.9 | ** |
| 4. Household activities | 90.6 | 87.0 | | 87.8 | 80.9 | * | 161.8 | 168.4 | | 143.5 | 139.0 | |
| 5. Physical care, looking after others & school-related activities | 20.4 | 16.5 | | 18.1 | 13.8 | | 18.5 | 13.8 | | 16.3 | 9.2 | |
| 6. Non-active leisure 7. Active leisure, arts & | 99.4 | 98.3 | | 98.9 | 98.8 | | 367.1 | 356.4 | | 429.2 | 452.3 | |
| entertainment, & travel | 37.0 | 27.6 | ** | 26.1 | 16.1 | ** | 43.9 | 31.1 | ** | 31.8 | 14.0 | ** |
| 8. Organizational activities | 17.4 | 14.9 | | 20.5 | 14.8 | | 20.7 | 16.3 | | 24.2 | 19.5 | |
| 9. Data issues 9999. ATUS Activities that were not | 11.3 | 20.1 | ** | 15.6 | 19.0 | | 11.1 | 18.7 | * | 22.1 | 13.1 | * |
| given a DUST code | | 8.1 | | | 8.8 | | | 3.1 | | | 2.5 | |
| Total minutes | | | | | | | 1439.7 | 1439.9 | | 1439.7 | 1440.0 | |
| (n) | 659 | 1,180 | | 665 | 254 | | 659 | 1,180 | | 665 | 254 | |

Table 6: Percentage Participating and Duration in Minutes by Disability: 2009 DUST vs. 2009 ATUS.

APPENDIX A: CROSSWALK BETWEEN ATUS AND DUST

| | rosswark between ATUS and DUST activity c | DUST | |
|--------|--|---------|--------------------------|
| 2008 | | 2-digit | |
| ATUS | Description of ATUS code | code | Description of DUST code |
| 010101 | Sleeping | 11 | SLEEPING |
| 010101 | Sleeplessness | 11 | |
| 010102 | Sleeping, n.e.c.* | 11 | |
| 0101// | Steeping, meter | | WASHING DRESSING AND |
| 010201 | Washing, dressing and grooming oneself | 12 | GROOMING |
| 010299 | Grooming, n.e.c.* | 12 | |
| 080501 | Using personal care services | 12 | |
| | Waiting associated w/personal care | | |
| 080502 | services | 12 | |
| 080599 | Using personal care services, n.e.c.* | 12 | |
| 180101 | Travel related to personal care | 12 | |
| | L | | |
| 180199 | Travel related to personal care, n.e.c.* | 12 | |
| | Travel related to using personal care | | |
| 180805 | services | 12 | |
| 110101 | Eating and drinking | 13 | EATING AND DRINKING |
| 110199 | Eating and drinking, n.e.c.* | 13 | |
| | | | |
| 110201 | Waiting associated w/eating & drinking | 13 | |
| | Waiting associated with eating & drinking, | | |
| 110299 | n.e.c.* | 13 | |
| 119999 | Eating and drinking, n.e.c.* | 13 | |
| 181101 | Travel related to eating and drinking | 13 | |
| 101100 | Travel related to eating and drinking, | 10 | |
| 181199 | n.e.c.* | 13 | |
| 010201 | Health related calf care | 14 | HEALTH-RELATED SELF- |
| 010301 | Health-related self care | 14 | CARE & MEDICATION |
| 010399 | Self care, n.e.c.* | 14 | |
| 080402 | Using in-home health and care services | 14 | |
| 000+02 | Using m-nome nearth and care services | 17 | USE OF MEDICAL, HEALTH, |
| | Using health and care services outside the | | & LONG TERM CARE |
| 080401 | home | 15 | SERVICES |
| 000101 | nome | 10 | SERVICES |
| 080403 | Waiting associated with medical services | 15 | |
| 080499 | Using medical services, n.e.c.* | 15 | |
| | | | |
| 180804 | Travel related to using medical services | 15 | |
| | | | |
| 010501 | Personal emergencies | 16 | PERSONAL EMERGENCIES |
| 010599 | Personal care emergencies, n.e.c.* | 16 | |
| 019999 | Personal Care, n.e.c.* | 16 | |
| | | | |

Table A1 - Crosswalk between ATUS and DUST activity codes

| 2008 ATUS | Description of ATUS code | DUST 2-digit code | Description of DUST code |
|--------------|---|-------------------------|--------------------------|
| 020899 | Appliances and tools, n.e.c.* | 16 | • |
| | | | WORK AND WORK- |
| 050101 | Work, main job | 21 | RELATED ACTIVITIES |
| 050102 | Work, other job(s) | 21 | |
| 050103 | Security procedures related to work | 21 | |
| 050104 | Waiting associated with working | 21 | |
| 050199 | Working, n.e.c.* | 21 | |
| | Socializing, relaxing, and leisure as part of | | |
| 050201 | job | 21 | |
| 050202 | Eating and drinking as part of job | 21 | |
| 050203 | Sports and exercise as part of job | 21 | |
| 050204 | Security procedures as part of job | 21 | |
| | Waiting associated with work-related | | |
| 050205 | activities | 21 | |
| 050299 | Work-related activities, n.e.c.* | 21 | |
| 180501 | Travel related to working | 21 | |
| | C C | | |
| 180502 | Travel related to work-related activities | 21 | |
| | Income-generating hobbies, crafts, and | | OTHER INCOME |
| 050301 | food | 22 | GENERATING ACTIVITIES |
| 050302 | Income-generating performances | 22 | |
| 050303 | Income-generating services | 22 | |
| | Income-generating rental property | | |
| 050304 | activities | 22 | |
| | Waiting associated with other income- | | |
| 050305 | generating activities | 22 | |
| 050399 | Other income-generating activities, n.e.c.* | 22 | |
| | Travel related to income-generating | | |
| 180503 | activities | 22 | |
| 050401 | Job search activities | 23 | LOOKING FOR WORK |
| 050403 | Job interviewing | 23 | |
| | Waiting associated with job search or | | |
| 050404 | interview | 23 | |
| | Security procedures rel. to job | | |
| 050405 | search/interviewing | 23 | |
| 050499 | Job search and Interviewing, n.e.c.* | 23 | |
| 059999 | Work and work-related activities, n.e.c.* | 23 | |
| | | | |
| 180504 | Travel related to job search & interviewing | 23 | |

| 2008 ATUS | Description of ATUS code | DUST 2-digit code | Description of DUST code |
|--------------|--|-------------------------|--------------------------|
| 150102 | Organizing and preparing | 24 | • |
| 150103 | Reading | 24 | |
| | Telephone calls (except hotline | | |
| 150104 | counseling) | 24 | |
| 150105 | Writing | 24 | |
| 150106 | Fundraising | 24 | |
| 150199 | Administrative & support activities, n.e.c.* | 24 | |
| 150201 | Food preparation, presentation, clean-up | 24 | |
| 50202 | Collecting & delivering clothing & other | 24 | |
| 150202 | goods | 24 | |
| 150203 | Providing care | 24 | |
| 150204 | Teaching, leading, counseling, mentoring | 24 | |
| 150299 | Social service & care activities, n.e.c.* | 24 | |
| | Building houses, wildlife sites, & other | | |
| 150301 | structures | 24 | |
| | Indoor & outdoor maintenance, repair, & | | |
| 150302 | clean-up | 24 | |
| | Indoor & outdoor maintenance, building & | | |
| 150399 | clean-up activities, n.e.c.* | 24 | |
| 150401 | Performing | 24 | |
| | Serving at volunteer events & cultural | | |
| 150402 | activities | 24 | |
| | Participating in performance & cultural | | |
| 150499 | activities, n.e.c.* | 24 | |
| | Attending meetings, conferences, & | | |
| 150501 | training | 24 | |
| | Attending meetings, conferences, & | | |
| 150599 | training, n.e.c.* | 24 | |
| 150601 | Public health activities | 24 | |
| 150602 | Public safety activities | 24 | |
| 150699 | Public health & safety activities, n.e.c.* | 24 | |
| | Waiting associated with volunteer | | |
| 150701 | activities | 24 | |
| | Waiting associated with volunteer | | |
| 150799 | activities, n.e.c.* | 24 | |
| | Security procedures related to volunteer | | |
| | | | |

| 2008 ATUS | Description of ATUS code | DUST 2-digit code | Description of DUST code |
|--------------|--|-------------------------|------------------------------|
| AIUS | Security procedures related to volunteer | cout | Description of DOST code |
| 150899 | activities, n.e.c.* | 24 | |
| 159999 | Volunteer activities, n.e.c.* | 24 24 | |
| 139999 | Travel related to volunteering | 24 24 | |
| 101301 | Travel related to volunteer activities, | 24 | |
| 181599 | n.e.c.* | 24 | |
| 101399 | n.e.e. | 24 | USING UNEMPLOYMENT |
| 100102 | Using social services | 25 | AND OTHER SOCIAL SERVICES |
| 100102 | Using social services | 23 | SERVICES |
| 060101 | Taking class for degree, certification, or licensure | 26 | EDUCATIONAL ACTIVITIES |
| | | | EDUCATIONAL ACTIVITIES |
| 060102 | Taking class for personal interest | 26 | |
| 060103 | Waiting associated with taking classes | 26 | |
| 060104 | Security procedures rel. to taking classes | 26 | |
| 060199 | Taking class, n.e.c.* | 26 | |
| 060201 | Extracurricular club activities | 26 | |
| | Extracurricular music & performance | | |
| 060202 | activities | 26 | |
| | Extracurricular student government | | |
| 060203 | activities | 26 | |
| | Waiting associated with extracurricular | | |
| 060204 | activities | 26 | |
| | Education-related extracurricular | | |
| 060299 | activities, n.e.c.* | 26 | |
| | Research/homework for class for degree, | | |
| 060301 | certification, or licensure | 26 | |
| | Research/homework for class for pers. | | |
| 060302 | interest | 26 | |
| | Waiting associated with | | |
| 060303 | research/homework | 26 | |
| 060399 | Research/homework n.e.c.* | 26 | |
| | Administrative activities: class for degree, | | |
| 060401 | certification, or licensure | 26 | |
| | Administrative activities: class for | | |
| 060402 | personal interest | 26 | |
| | Waiting associated w/admin. activities | | |
| 060403 | (education) | 26 | |
| 060499 | Administrative for education, n.e.c.* | 26 | |
| 069999 | Education, n.e.c.* | 26 | |
| | Telephone calls to/from education services | | |
| 160103 | providers | 26 | |
| | | | 23 |

| 2008 ATUS | Description of ATUS code | DUST 2-digit code | Description of DUST code |
|--------------|--|-------------------------|--|
| 180601 | Travel related to taking class | <u>26</u> | Description of DUS1 code |
| 180001 | Travel related to extracurricular activities | 20 | |
| 180602 | (ex. Sports) | 26 | |
| 180602 | Travel related to research/homework | 20 26 | |
| 100005 | Travel related to | 20 | |
| 180604 | registration/administrative activities | 26 | |
| 180699 | Travel related to education, n.e.c.* | 26 | |
| 100077 | Traver related to education, n.e.e. | 20 | OBTAINING GROCERIES |
| 070101 | Grocery shopping | 31 | AND FOOD |
| 070103 | Purchasing food (not groceries) | 31 | |
| 180701 | Travel related to grocery shopping | 31 | |
| 100701 | Travel related to purchasing food (not | 51 | |
| 180703 | groceries) | 31 | |
| 100705 | grocenes) | 51 | OBTAINING OTHER GOODS (NONDURABLE AND |
| 070102 | Purchasing gas | 32/33 | DURABLE) |
| 070104 | Shopping, except groceries, food and gas | 32/33 | |
| 070105 | Waiting associated with shopping | 32/33 | |
| 070199 | Shopping, n.e.c.* | 32/33 | |
| 070201 | Comparison shopping | 32/33 | |
| 070299 | Researching purchases, n.e.c.* | 32/33 | |
| | Security procedures rel. to consumer | | |
| 070301 | purchases | 32/33 | |
| | Security procedures rel. to consumer | | |
| 070399 | purchases, n.e.c.* | 32/33 | |
| 079999 | Consumer purchases, n.e.c.* | 32/33 | |
| 160104 | Telephone calls to/from salespeople | 32/33 | |
| 180702 | Travel related to purchasing gas | 32/33 | |
| | Travel related to shopping, ex groceries, | | |
| 180704 | food, and gas | 32/33 | |
| | Travel related to consumer purchases, | / | |
| 180799 | n.e.c.* | 32/33 | |
| | Activities rel. to purchasing/selling real | | REAL ESTATE RELATED |
| 080601 | estate | 34 | ACTIVITIES |
| | Waiting associated w/purchasing/selling | | |
| 080602 | real estate | 34 | |
| 080699 | Using real estate services, n.e.c.* | 34 | |
| 180806 | Travel related to using real estate services | 34 | ECOD & DRINIV |
| 020201 | Food and drink preparation | 41 | FOOD & DRINK PREPARATION |

| 2008 | | DUST 2-digit | |
|--------|--|-----------------|--------------------------------|
| ATUS | Description of ATUS code | code | Description of DUST code |
| 020202 | Food presentation | 41 | * |
| 020203 | Kitchen and food clean-up | 41 | |
| | Food & drink prep, presentation, & clean- | 41 | |
| 020299 | up, n.e.c.* | 41 | |
| 090102 | Using meal preparation services | 41 | |
| | Travel related to food & drink prep., clean- | | |
| 180202 | up, & presentation | 41 | |
| 020102 | Laundry | 42 | LAUNDRY AND CLOTHING REPAIR |
| | | 42 | |
| 020103 | Sewing, repairing, & maintaining textiles | 72 | |
| 090103 | Using clothing repair and cleaning services | 42 | |
| 020101 | Interior cleaning | 43 | HOUSEHOLD CARE |
| 020104 | Storing interior hh items, inc. food | 43 | |
| 020199 | Housework, n.e.c.* | 43 | |
| 020301 | Interior arrangement, decoration, & repairs | 43 | |
| 020302 | Building and repairing furniture | 43 | |
| 020303 | Heating and cooling | 43 | |
| | Interior maintenance, repair, & decoration, | | |
| 020399 | n.e.c.* | 43 | |
| 020401 | Exterior cleaning | 43 | |
| | Exterior repair, improvements, & | | |
| 020402 | decoration | 43 | |
| | Exterior maintenance, repair & decoration, | | |
| 020499 | n.e.c.* | 43 | |
| 020501 | Lawn, garden, and houseplant care | 43 | |
| 020502 | Ponds, pools, and hot tubs | 43 | |
| 020599 | Lawn and garden, n.e.c.* | 43 | |
| 020905 | Home security | 43 | |
| 020999 | Household management, n.e.c.* | 43 | |
| 029999 | Household activities, n.e.c.* | 43 | |
| 040501 | Housework, cooking, & shopping assistance for nonhh adults | 43 | |
| | House & lawn maintenance & repair | | |
| 040502 | assistance for nonhh adults | 43 | |
| 090101 | Using interior cleaning services | 43 | |
| | Waiting associated with using household | | |
| 090104 | services | 43 | |
| 090199 | Using household services, n.e.c.* | 43 | |
| | | | |

| 2008 ATUS | Description of ATUS code | DUST 2-digit code | Description of DUST code |
|--------------|---|-------------------------|--------------------------|
| | Using home | | |
| 090201 | maint/repair/décor/construction svcs | 43 | |
| | Waiting associated w/ home | | |
| 090202 | main/repair/décor/constr | 43 | |
| | Using home maint/repair/décor/constr | | |
| 090299 | services, n.e.c.* | 43 | |
| 090401 | Using lawn and garden services | 43 | |
| 070.01 | Waiting associated with using lawn & | 10 | |
| 090402 | garden services | 43 | |
| 020102 | Surden services | 10 | |
| 090499 | Using lawn and garden services, n.e.c.* | 43 | |
| 0999999 | Using household services, n.e.c.* | 43 | |
| | Telephone calls to/from household | 10 | |
| 160106 | services providers | 43 | |
| 180201 | Travel related to housework | 43 | |
| 100201 | Travel related to interior maintenance, | 15 | |
| 180203 | repair, & decoration | 43 | |
| 100205 | Travel related to exterior maintenance, | 15 | |
| 180204 | repair, & decoration | 43 | |
| 100201 | Travel related to lawn, garden, and | 15 | |
| 180205 | houseplant care | 43 | |
| 100205 | nouseplant care | 15 | |
| 180901 | Travel related to using household services | 43 | |
| | Travel related to using home | | |
| 180902 | main./repair/décor./construction svcs | 43 | |
| | Travel related to using lawn and garden | | |
| 180904 | services | 43 | |
| | Care for animals and pets (not veterinary | | |
| 020601 | care) | 44 | ANIMAL AND PET CARE |
| | Walking / exercising / playing with | | |
| 020602 | animals | 44 | |
| 020699 | Pet and animal care, n.e.c.* | 44 | |
| 080701 | Using veterinary services | 44 | |
| 000701 | Waiting associated with veterinary | | |
| 080702 | services | 44 | |
| 080799 | Using veterinary services, n.e.c.* | 44 | |
| 090301 | Using pet services | 44 | |
| 090302 | Waiting associated with pet services | 44 | |
| 090302 | Using pet services, n.e.c.* | 44 | |
| | Travel related to care for animals and pets | - 1 - 1 | |
| 180206 | (not vet care) | 44 | |
| 100200 | | | 36 |

| 2008 ATUS | Description of ATUS code | DUST 2-digit code | Description of DUST code |
|--------------|--|-------------------------|---|
| 180807 | Travel related to using veterinary services | 44 | |
| 180903 | Travel related to using pet services (not vet) | 44 | |
| 040503 | Animal & pet care assistance for nonhh adults | 44 | |
| 020701 | Vehicle repair and maintenance (by self) | 45 | VEHICLE CARE |
| 020799 | Vehicles, n.e.c.* | 45 | |
| 040504 | Vehicle & appliance maintenance/repair assistance for nonhh adults Using vehicle maintenance or repair | 45 | |
| 090501 | services Waiting associated with vehicle main. or | 45 | |
| 090502 | repair svcs | 45 | |
| 090599 | Using vehicle maint. & repair svcs, n.e.c.* Travel related to vehicle care & | 45 | |
| 180207 | maintenance (by self) Travel related to using vehicle | 45 | |
| 180905 | maintenance & repair services | 45 | |
| 020801 | Appliance, tool, and toy set-up, repair, & maintenance (by self) | 46 | APPLIANCE, COMPUTER, TOOL AND TOY CARE |
| 100000 | Travel related to appliance, tool, and toy | 1.5 | |
| 180208 | set-up, repair, & maintenance (by self) | 46 | FINANCIAL MANAGEMENT |
| 020901 | Financial management Household & personal organization and | 47 | & HOUSEHOLD PLANNING |
| 020902 | planning | 47 | |
| 030501 | Helping hh adults | 47 | |
| 030502 | Organization & planning for hh adults | 47 | |
| 030504 | Waiting associated with helping hh adults | 47 | |
| 030599 | Helping household adults, n.e.c.* | 47 | |
| 040505 | Financial management assistance for nonhh adults | 47 | |
| 040506 | Household management & paperwork assistance for nonhh adults | 47 | |
| 040508 | Waiting associated with helping nonhh adults | 47 | |

| 040599Helping nonhh adults, n.e.c.*47080201Banking47080202Using other financial services47080203services47Waiting associated w/banking/financial080203080203services47Using financial services and banking,47080301Using legal services47080302Waiting associated with legal services47080303Waiting associated with legal services47080304Waiting associated with legal services47180209Travel related to household management47180405Travel related to helping hh adults47180802and banking47180803Travel related to using financial services47180803Travel related to using legal services47180804PHYSICAL CPHYSICAL C | of DUST code |
|--|-----------------------|
| 080202Using other financial services47Waiting associated w/banking/financial800203services47Using financial services and banking,47080299n.e.c.*47080301Using legal services47080302Waiting associated with legal services47080303Using legal services, n.e.c.*47180209Travel related to household management47180405Travel related to helping hh adults47180405Travel related to helping nonhh adults47180802and banking47180803Travel related to using financial services47180803Travel related to using legal services47 | |
| Waiting associated w/banking/financial080203services47Using financial services and banking,080299n.e.c.*47080301Using legal services47080302Waiting associated with legal services47080309Using legal services, n.e.c.*47180209Travel related to household management47180209Travel related to helping hh adults47180405Travel related to helping nonhh adults47180802and banking47180803Travel related to using financial services47180803Travel related to using legal services47 | |
| 080203services47Using financial services and banking,080299n.e.c.*47080301Using legal services4747080302Waiting associated with legal services47080309Using legal services, n.e.c.*47180209Travel related to household management47180305Travel related to helping hh adults47180405Travel related to helping nonhh adults47180802and banking47180803Travel related to using financial services47180803Travel related to using legal services47 | |
| 080299n.e.c.*47080301Using legal services47080302Waiting associated with legal services47080399Using legal services, n.e.c.*47180209Travel related to household management47180305Travel related to helping hh adults47180405Travel related to helping nonhh adults47180802and banking47180803Travel related to using legal services47 | |
| 080301Using legal services47080302Waiting associated with legal services47080399Using legal services, n.e.c.*47180209Travel related to household management47180305Travel related to helping hh adults47180405Travel related to helping nonhh adults47180802and banking47180803Travel related to using legal services47 | |
| 080302Waiting associated with legal services47080399Using legal services, n.e.c.*47180209Travel related to household management47180305Travel related to helping hh adults47180405Travel related to helping nonhh adults47180802and banking47180803Travel related to using legal services47 | |
| 080399Using legal services, n.e.c.*47180209Travel related to household management47180305Travel related to helping hh adults47180405Travel related to helping nonhh adults47180802and banking47180803Travel related to using legal services47PHYSICAL O | |
| 180209 Travel related to household management 47 180305 Travel related to helping hh adults 47 180405 Travel related to helping nonhh adults 47 Travel related to using financial services 47 180802 and banking 47 180803 Travel related to using legal services 47 | |
| 180305 Travel related to helping hh adults 180405 Travel related to helping nonhh adults 180405 Travel related to using financial services 180802 and banking 180803 Travel related to using legal services 47 PHYSICAL OPHYSICAL OPHYSIC | |
| 180305 Travel related to helping hh adults 180405 Travel related to helping nonhh adults 180405 Travel related to using financial services 180802 and banking 180803 Travel related to using legal services 47 PHYSICAL OPHYSICAL OPHYSIC | |
| Travel related to using financial services 180802 and banking 47 180803 Travel related to using legal services 47 PHYSICAL 0 | |
| 180802and banking47180803Travel related to using legal services47PHYSICAL O | |
| PHYSICAL O | |
| | |
| | CARE & E TO OTHERS |
| 030102 Reading to/with hh children 51 | |
| 030103 Playing with hh children, not sports 51 | |
| 030108 Organization & planning for hh children 51 | |
| Looking after hh children (as a primary activity)51 | |
| 030111 Waiting for/with hh children 51 | |
| 030112 Picking up/dropping off hh children 51 | |
| 51 | |
| 030199 Caring for & helping hh children, n.e.c.* | |
| 030401 Physical care for hh adults 51 Looking after hh adult (as a primary 51 | |
| 030402 activity) 51 | |
| 030499 Caring for household adults, n.e.c.* 51 | |
| 030503 Picking up/dropping off hh adult 51 | |
| 040101 Physical care for nonhh children 51 | |
| 040102 Reading to/with nonhh children 51 | |
| 040103 Playing with nonhh children, not sports 51 | |
| Organization & planning for nonhh040108children51 | |

| 2008 ATUS | Description of ATUS code | DUST 2-digit code | Description of DUST code |
|--------------|--|-------------------------|----------------------------|
| AIUS | Looking after nonhh children (as primary | | Description of Deb1 code |
| 040109 | activity) | 51 | |
| 040111 | Waiting for/with nonhh children | 51 | |
| 040112 | Dropping off/picking up nonhh children | 51 | |
| | Caring for and helping nonhh children, | | |
| 040199 | n.e.c.* | 51 | |
| 040401 | Physical care for nonhh adults | 51 | |
| | Looking after nonhh adult (as a primary | 51 | |
| 040402 | activity) | 51 | |
| 040499 | Caring for nonhh adults, n.e.c.* | 51 | |
| 040507 | Picking up/dropping off nonhh adult | 51 | |
| 080101 | Using paid childcare services | 51 | |
| | Waiting associated w/purchasing childcare | | |
| 080102 | SVCS | 51 | |
| 080199 | Using paid childcare services, n.e.c.* | 51 | |
| | Telephone calls to/from paid child or adult | | |
| 160107 | care providers | 51 | |
| | Travel related to caring for & helping hh | | |
| 180301 | children | 51 | |
| 180304 | Travel related to caring for hh adults | 51 | |
| | Travel related to caring for and helping | | |
| 180401 | nonhh children | 51 | |
| 180404 | Travel related to caring for nonhh adults | 51 | |
| 180801 | Travel related to using childcare services | 51 | |
| 039999 | Caring for & helping hh members, n.e.c.* | 51 | |
| | Caring for & helping nonhh members, | | |
| 049999 | n.e.c.* | 51 | |
| 030301 | Providing medical care to hh children | 52 | MEDICAL CARE FOR OTHERS |
| | - | | |
| 030302 | Obtaining medical care for hh children | 52 | |
| | Waiting associated with hh children's | | |
| 030303 | health | 52 | |
| | Activities related to hh child's health, | | |
| 030399 | n.e.c.* | 52 | |
| 030403 | Providing medical care to hh adult | 52 | |
| | | | |
| 030404 | Obtaining medical and care services for hh adult | 52 | |

| 2008 ATUS | Description of ATUS code | DUST 2-digit code | Description of DUST code |
|--------------|--|-------------------------|--------------------------|
| | Waiting associated with caring for | | |
| 030405 | household adults | 52 | |
| 000100 | | 02 | |
| 040301 | Providing medical care to nonhh children | 52 | |
| | | | |
| 040302 | Obtaining medical care for nonhh children | 52 | |
| | Waiting associated with nonhh children's | | |
| 040303 | health | 52 | |
| | Activities related to nonhh child's health, | | |
| 040399 | n.e.c.* | 52 | |
| | | 52 | |
| 040403 | Providing medical care to nonhh adult | 0 - | |
| | Obtaining medical and care services for | 52 | |
| 040404 | nonhh adult | | |
| 040405 | Waiting associated with caring for nonhh adults | 52 | |
| 040405 | | 52 | |
| 180303 | Travel related to hh children's health | 32 | |
| 180403 | Travel related to nonhh children's health | 52 | |
| 100105 | Traver related to nomin emilien's neurin | 52 | SCHOOL-RELATED |
| 030201 | Homework (hh children) | 53 | ASSISTANCE TO OTHERS |
| | Meetings and school conferences (hh | | |
| 030202 | children) | 53 | |
| 030203 | Home schooling of hh children | 53 | |
| | Waiting associated with hh children's | | |
| 030204 | education | 53 | |
| | Activities related to hh child's education, | | |
| 030299 | n.e.c.* | 53 | |
| 040201 | Homework (nonhh children) | 53 | |
| | Meetings and school conferences (nonhh | | |
| 040202 | children) | 53 | |
| 040203 | Home schooling of nonhh children | 53 | |
| 040204 | Waiting associated with nonhh children's | 52 | |
| 040204 | education | 53 | |
| 040299 | Activities related to nonhh child's educ., n.e.c.* | 53 | |
| 040277 | n.c.c. | 55 | |
| 180302 | Travel related to hh children's education | 53 | |
| | Travel related to nonhh children's | | |
| 180402 | education | 53 | |
| | | | SOCIALIZING AND |
| | HH & personal mail & messages (except | | PERSONAL |
| 020903 | e-mail) | 61 | COMMUNICATION |

| 2008 ATUS | Description of ATUS code | DUST 2-digit code | Description of DUST code |
|--------------|---|-------------------------|--------------------------|
| 020904 | HH & personal e-mail and messages | 61 | ^ |
| 030106 | Talking with/listening to hh children | 61 | |
| 040106 | Talking with/listening to nonhh children Socializing and communicating with | 61 | |
| 120101 | others | 61 | |
| 120199 | Socializing and communicating, n.e.c.* Attending or hosting | 61 | |
| 120201 | parties/receptions/ceremonies | 61 | |
| 120202 | Attending meetings for personal interest (not volunteering) | 61 | |
| 120299 | Attending/hosting social events, n.e.c.* Waiting assoc. w/socializing & | 61 | |
| 120501 | communicating | 61 | |
| 120502 | Waiting assoc. w/attending/hosting social events | 61 | |
| 120599 | Waiting associated with socializing, n.e.c.* | 61 | |
| 160101 | Telephone calls to/from family members Telephone calls to/from friends, neighbors, | 61 | |
| 160102 | or acquaintances Travel related to socializing and | 61 | |
| 181201 | communicating | 61 | |
| 181202 | Travel related to attending or hosting social events | 61 | |
| 181202 | Travel related to phone calls | 61 | |
| 181699 | Travel rel. to phone calls, n.e.c.* | 61 | |
| 120303 | Television and movies (not religious) | 62 | TV & MOVIE VIEWING |
| 120304 | Television (religious) | 62 | |
| 120307 | Playing games | 63 | GAMES & PUZZLES |
| 000104 | | - 1 | OTHER NON-ACTIVE |
| 030104 | Arts and crafts with hh children | 64 | LEISURE |
| 040104 | Arts and crafts with nonhh children | 64 | |
| 120305 | Listening to the radio | 64 | |
| 120306 | Listening to/playing music (not radio) | 64 | |
| 120308 | Computer use for leisure (exc. Games) | 64 | |
| 120309 | Arts and crafts as a hobby | 64 | |
| 120310 | Collecting as a hobby | 64 | |

| 2008 ATUS | Description of ATUS code | DUST 2-digit code | Description of DUST code |
|--------------|--|-------------------------|---|
| | Hobbies, except arts & crafts and | | * |
| 120311 | collecting | 64 | |
| 120312 | Reading for personal interest | 64 | |
| 120313 | Writing for personal interest | 64 | |
| 120503 | Waiting associated with relaxing/leisure | 64 | |
| 181203 | Travel related to relaxing and leisure | 64 | |
| 120302 | Tobacco and drug use | 65 | SMOKING AND DRINKING ALCOHOL NO ACTIVITY: RELAXING, |
| 120301 | Relaxing, thinking | 66 | EMOTIONS |
| 120301 | Relaxing and leisure, n.e.c.* | 66 | Line fields |
| 120377 | Relaxing and feisure, n.e.e. | 00 | SPORTS AND PHYSICAL |
| 030105 | Playing sports with hh children | 71 | ACTIVITY |
| 040105 | Playing sports with nonhh children | 71 | |
| 130101 | Doing aerobics | 71 | |
| 130102 | Playing baseball | 71 | |
| 130103 | Playing basketball | 71 | |
| 130104 | Biking | 71 | |
| 130105 | Playing billiards | 71 | |
| 130106 | Boating | 71 | |
| 130107 | Bowling | 71 | |
| 130108 | Climbing, spelunking, caving | 71 | |
| 130109 | Dancing | 71 | |
| 130110 | Participating in equestrian sports | 71 | |
| 130111 | Fencing | 71 | |
| 130112 | Fishing | 71 | |
| 130113 | Playing football | 71 | |
| 130114 | Golfing | 71 | |
| 130115 | Doing gymnastics | 71 | |
| 130116 | Hiking | 71 | |
| 130117 | Playing hockey | 71 | |
| 130118 | Hunting | 71 | |
| 130119 | Participating in martial arts | 71 | |
| 130120 | Playing racquet sports | 71 | |
| 130121 | Participating in rodeo competitions | 71 | |
| 130122 | Rollerblading | 71 | |
| 130123 | Playing rugby | 71 | |
| 130124 | Running | 71 | |
| 130125 | Skiing, ice skating, snowboarding | 71 | |
| 130126 | Playing soccer | 71 | |
| 130127 | Softball | 71 | |

| 2008 ATUS | Description of ATUS code | DUST 2-digit code | Description of DUST code |
|--------------|---------------------------------------|-------------------------|--------------------------|
| 130128 | Using cardiovascular equipment | 71 | |
| 130129 | Vehicle touring/racing | 71 | |
| 130130 | Playing volleyball | 71 | |
| 130131 | Walking | 71 | |
| 130132 | Participating in water sports | 71 | |
| 130133 | Weightlifting/strength training | 71 | |
| 130134 | Working out, unspecified | 71 | |
| 130135 | Wrestling | 71 | |
| 130136 | Doing yoga | 71 | |
| 130199 | Playing sports n.e.c.* | 71 | |
| 130201 | Watching aerobics | 71 | |
| 130202 | Watching baseball | 71 | |
| 130203 | Watching basketball | 71 | |
| 130204 | Watching biking | 71 | |
| 130205 | Watching billiards | 71 | |
| 130206 | Watching boating | 71 | |
| 130207 | Watching bowling | 71 | |
| 130208 | Watching climbing, spelunking, caving | 71 | |
| 130209 | Watching dancing | 71 | |
| 130210 | Watching equestrian sports | 71 | |
| 130211 | Watching fencing | 71 | |
| 130212 | Watching fishing | 71 | |
| 130213 | Watching football | 71 | |
| 130214 | Watching golfing | 71 | |
| 130215 | Watching gymnastics | 71 | |
| 130216 | Watching hockey | 71 | |
| 130217 | Watching martial arts | 71 | |
| 130218 | Watching racquet sports | 71 | |
| 130219 | Watching rodeo competitions | 71 | |
| 130220 | Watching rollerblading | 71 | |
| 130221 | Watching rugby | 71 | |
| 130222 | Watching running | 71 | |
| | Watching skiing, ice skating, | | |
| 130223 | snowboarding | 71 | |
| 130224 | Watching soccer | 71 | |
| 130225 | Watching softball | 71 | |
| 130226 | Watching vehicle touring/racing | 71 | |
| 130227 | Watching volleyball | 71 | |
| 130228 | Watching walking | 71 | |
| 130229 | Watching water sports | 71 | |

| 2008 ATUS | Description of ATUS code | DUST 2-digit code | Description of DUST code |
|--------------|--|-------------------------|--|
| 130230 | Watching weightlifting/strength training | 71 | |
| 130231 | Watching people working out, unspecified | 71 | |
| 130231 | Watching wrestling | 71 | |
| 130299 | Attending sporting events, n.e.c.* | 71 | |
| 130301 | Waiting related to playing sports or exercising | 71 | |
| 130302 | Waiting related to attending sporting events | 71 | |
| 130399 | Waiting associated with sports, exercise, & recreation, n.e.c.* | 71 | |
| 130401 | Security related to playing sports or exercising | 71 | |
| 130402 | Security related to attending sporting events | 71 | |
| 130499 | Security related to sports, exercise, & recreation, n.e.c.* | 71 | |
| 139999 | Sports, exercise, & recreation, n.e.c.* | 71 | |
| 181301 | Travel related to participating in sports/exercise/recreation | 71 | |
| 181302 | Travel related to attending sporting/recreational events Travel related to sports, exercise, & | 71 | |
| 181399 | recreation, n.e.c.* | 71 | |
| 030110 | Attending hh children's events | 72 | ARTS & ENTERTAINMENT |
| 040110 | Attending nonhh children's events | 72 | |
| 120401 | Attending performing arts | 72 | |
| 120402 | Attending museums | 72 | |
| 120403 | Attending movies/film | 72 | |
| 120404 | Attending gambling establishments Security procedures rel. to arts & | 72 | |
| 120405 | entertainment | 72 | |
| 120499 | Arts and entertainment, n.e.c.* | 72 | |
| | Waiting associated with arts & | | |
| 120504 | entertainment | 72 | |
| 181204 | Travel related to arts and entertainment | 72 | |
| 181205 | Travel as a form of entertainment | 73 | TRAVEL AS LEISURE RELIGIOUS & SPIRITUAL |
| 140101 | Attending religious services | 81 | PRACTICE |

| 2008 ATUS | Description of ATUS and | DUST 2-digit | Description of DUCT and |
|----------------|--|-------------------|--------------------------|
| ATUS 140102 | Description of ATUS code Participation in religious practices | code 81 | Description of DUST code |
| 140102 | | 01 | |
| 140103 | Waiting associated w/religious & spiritual activities | 81 | |
| 140105 | Security procedures rel. to religious & | 01 | |
| 140104 | spiritual activities | 81 | |
| 140105 | Religious education activities | 81 | |
| 110105 | Rengious education activities | 01 | |
| 149999 | Religious and spiritual activities, n.e.c.* | 81 | |
| | Travel related to religious/spiritual | • - | |
| 181401 | practices | 81 | |
| | Travel rel. to religious/spiritual activities, | | |
| 81499 | n.e.c.* | 81 | |
| | | | GOVERNMENT & CIVIC |
| 100101 | Using police and fire services | 83 | ACTIVITIES |
| | Obtaining licenses & paying fines, fees, | | |
| 100103 | taxes | 83 | |
| 00199 | Using government services, n.e.c.* | 83 | |
| 00201 | Civic obligations & participation | 83 | |
| 100299 | Civic obligations & participation, n.e.c.* | 83 | |
| | Waiting associated with using government | | |
| 00304 | services | 83 | |
| | Waiting associated with civic obligations | | |
| 100305 | & participation | 83 | |
| | Waiting assoc. w/govt svcs or civic | | |
| 100399 | obligations, n.e.c.* | 83 | |
| | Security procedures rel. to govt svcs/civic | | |
| 00401 | obligations | 83 | |
| | Security procedures rel. to govt svcs/civic | | |
| 100499 | obligations, n.e.c.* | 83 | |
| 09999 | Government services, n.e.c.* | 83 | |
| 1 < 0 1 0 0 | Telephone calls to/from government | 02 | |
| 160108 | officials | 83 | |
| 01001 | Travel related to using government | 02 | |
| 81001 | services | 83 | |
| 181002 | Travel related to civic obligations & | 83 | |
| 01002 | participation Travel rel. to govt svcs & civic | 05 | |
| 81099 | obligations, n.e.c.* | 83 | |
|)10401 | Personal/Private activities | 83 91 | DATA ISSUES |
|)10401 | Personal activities, n.e.c.* | 91 91 | |
| 500101 | Insufficient detail in verbatim | 91 | |
| 500101 | Missing travel or destination | 91 | |
| 00105 | integration of destination | 71 | 25 |

| 2008 ATUS | Description of ATUS code | DUST 2-digit code | Description of DUST code |
|--------------|--|-------------------------|--------------------------|
| AIUD | Respondent refused to provide | couc | Description of DOST code |
| 500105 | information/"none of your business" | 91 | |
| 500105 | Gap/can't remember | 91 | |
| 509999 | Data codes, n.e.c.* | 99 | |
| 507777 | Security procedures rel. to |)) | ATUS ACTVIVITES NOT IN |
| 080801 | professional/personal svcs. | - | DUST |
| 080899 | Security procedures rel. to professional/personal svcs n.e.c.* | - | |
| 089999 | Professional and personal service s, n.e.c.* | - | |
| 129999 | Socializing, relaxing, and leisure, n.e.c.* | - | |
| | Telephone calls to/from professional or | | |
| 160105 | personal care svcs providers | - | |
| 160199 | Telephone calls (to or from), n.e.c.* | - | |
| 160201 | Waiting associated with telephone calls | - | |
| | Waiting associated with telephone calls, | | |
| 160299 | n.e.c.* | - | |
| 169999 | Telephone calls, n.e.c.* | - | |
| | Travel related to household activities, | | |
| 180299 | n.e.c.* | - | |
| | Travel rel. to caring for & helping hh | | |
| 180399 | members, n.e.c.* | - | |
| | Travel rel. to caring for & helping nonhh | | |
| 180499 | members, n.e.c.* | - | |
| 180599 | Travel related to work, n.e.c.* | - | |
| | Travel rel. to using prof. & personal care | | |
| 180899 | services, n.e.c.* | - | |
| | Travel related to using household services, | | |
| 180999 | n.e.c.* | - | |
| | Travel rel. to socializing, relaxing, & | | |
| 181299 | leisure, n.e.c.* | - | |
| 181801 | Security procedures related to traveling | - | |
| | Security procedures related to traveling, | | |
| 181899 | n.e.c.* | - | |
| 189999 | Traveling, n.e.c.* | - | |
| 500107 | Unable to code activity at 1st tier | - | |
| | Recorded simultaneous activities | | |
| 501004 | incorrectly | - | |

Table A2: Stata code to combine ATUS* activities to match DUST activities

```
egen mcode11=rowtotal(t010101 t010102);
egen mcode12=rowtotal(t010201 t010299 t080501 t080502 t180101 t180805);
egen mcode13=rowtotal(t110101 t110201 t181101);
egen mcode14=rowtotal(t010301 t010399 t080402);
egen mcode15=rowtotal(t080401 t080403 t080499 t180804);
egen mcode16=rowtotal(t010501 t020899);
egen mcode1 =rowtotal(mcode11 mcode12 mcode13 mcode14 mcode15 mcode16);
egen mcode21=rowtotal(t050101 t050102 t050103 t050104 t050199
      t050201 t050202 t050203 t050205
      t050299 t180501 t180502);
egen mcode22=rowtotal(t050301 t050302 t050303 t050304 t050399 t180503);
egen mcode23=rowtotal(t050401 t050403 t050404 t050499 t059999 t180504);
egen mcode24=rowtotal(t150101 t150102 t150103 t150104 t150105 t150106 t150199
      t150201 t150202 t150203 t150204 t150299 t150301 t150302
      t150399 t150401 t150402 t150499 t150501 t150599 t150601
      t150602 t150699 t150701 t150801 t159999
      t181501 t181599);
egen mcode25=rowtotal(t100102);
egen mcode26=rowtotal(t060101 t060102 t060103 t060104 t060199 t060201 t060202
      t060203 t060204 t060299 t060301 t060302 t060399
      t060401 t060403 t060499 t069999 t160103 t180601
      t180602 t180603 t180604 t180699);
egen mcode2 =rowtotal(mcode21 mcode22 mcode23 mcode24 mcode25 mcode26);
egen mcode31=rowtotal(t070101 t070103 t180701 t180703);
egen mcode3233=rowtotal(t070102 t070104 t070105 t070199 t070201
       t160104 t180702 t180704 t180799);
egen mcode34=rowtotal(t080601 t080699 t180806);
egen mcode3 =rowtotal(mcode31 mcode3233 mcode34);
egen mcode41=rowtotal(t020201 t020202 t020203 t090102 t180202);
egen mcode42=rowtotal(t020102 t020103 t090103);
egen mcode43=rowtotal(t020101 t020104 t020199 t020301 t020302 t020303 t020399
      t020401 t020402 t020499 t020501 t020502 t020905
      t020999 t029999 t040501 t040502 t090101 t090104 t090199
      t090201 t090202 t090401 t099999
      t160106 t180201 t180203 t180204 t180205 t180901 t180902 );
egen mcode44=rowtotal(t020699 t080701 t080702 t090301 t090399
      t180206 t180807 t180903 t020601 t020602 t040503);
```

egen mcode45=rowtotal(t020701 t020799 t040504 t090501 t090502 t090599

```
t180207 t180905);
egen mcode46=rowtotal(t020801 t180208);
egen mcode47=rowtotal(t020901 t020902 t030501 t030502 t030504 t030599 t040505
      t040506 t040508 t040599 t080201 t080202 t080203
      t080301 t080302 t180209 t180305 t180405 t180802
      t180803);
egen mcode4 =rowtotal(mcode41 mcode42 mcode43 mcode44 mcode45 mcode46 mcode47);
egen mcode51=rowtotal(t030101 t030102 t030103 t030108 t030109 t030111 t030112
      t030199 t030401 t030402 t030499 t030503 t040101 t040102
      t040103 t040108 t040109 t040111 t040112 t040199 t040401
      t040402 t040499 t040507 t080101 t080102 t160107
      t180301 t180304 t180401 t180404 t180801 t039999 t049999);
egen mcode52=rowtotal(t030301 t030302 t030303 t030399 t030403 t030404 t030405 t040301
      t040302 t040303 t040399 t040403 t040404 t040405 t180303
      t180403);
egen mcode53=rowtotal(t030201 t030202 t030203 t030204 t030299 t040201 t040202
      t040203 t040299 t180302 t180402);
egen mcode5 =rowtotal(mcode51 mcode52 mcode53);
egen mcode61=rowtotal(t020903 t020904 t030106 t040106 t120101 t120199 t120201
      t120299 t120501 t120502 t160101 t160102
      t181201 t181202 t181601);
egen mcode62=rowtotal(t120303 t120304);
egen mcode63=rowtotal(t120307);
egen mcode64=rowtotal(t030104 t040104 t120305 t120306 t120308 t120309 t120310
      t120311 t120312 t120313 t120503 t181203);
egen mcode65=rowtotal(t120302);
egen mcode66=rowtotal(t120301 t120399);
egen mcode6 =rowtotal(mcode61 mcode62 mcode63 mcode64 mcode65 mcode66);
egen mcode71=rowtotal(t030105 t040105 t130101 t130102 t130103 t130104 t130105
      t130106 t130107 t130108 t130109 t130110 t130112
      t130113 t130114 t130116 t130117 t130118 t130119
      t130120 t130122 t130124 t130125 t130126
      t130127 t130128 t130129 t130130 t130131 t130132 t130133 t130134
      t130135 t130136 t130199
      t130202 t130203 t130207
      t130210 t130212 t130213 t130214
      t130216 t130217 t130218 t130219 t130222
      t130224 t130225 t130226 t130227
       t130232 t130299 t130301 t130302
       t139999 t181301 t181302);
egen mcode72=rowtotal(t030110 t040110 t120401 t120402 t120403 t120404 t120405
      t120499 t120504 t181204);
egen mcode73=rowtotal(t181205);
```

```
*uses the ATUS summary file.
```

APPENDIX B: PERCENT PARTICIPATING AND DURATION: 2-DIGIT CODES

| | | nted Perce | | | ted Aver n in Min | |
|--|-------|------------|----------|--------------|----------------------|------|
| | DUST | ATUS | <u> </u> | DUIT | ATUS | uies |
| 1 1. SLEEPING | 99.9 | 99.9 | | 506.3 | 517.1 | * |
| 1 2. WASHING DRESSING AND GROOMING | 88.2 | 74.8 | ** | 45.0 | 40.1 | * |
| 1 3. EATING AND DRINKING | 95.7 | 98.7 | ** | 45.0 91.0 | 90.3 | |
| 1 4. HEALTH-RELATED SELF-CARE & MEDICATION | 16.3 | 12.5 | | 2.5 | 10.3 | ** |
| 1 5. USE OF MEDICAL, HEALTH, & LONG TERM CARE SERVICES | 5.6 | 5.3 | | 5.3 | 6.1 | |
| 1 6. PERSONAL EMERGENCIES | 0.1 | 0.0 | | 0.0 | 0.0 | |
| TOTAL FOR SUPERCATEGORY 1 | 100.0 | 100.0 | | 650.1 | 663.9 | |
| 2 1. WORK AND WORK-RELATED ACTIVITIES | 18.9 | 22.4 | | 86.5 | 102.3 | |
| 2 2. OTHER INCOME GENERATING ACTIVITIES | 3.0 | 0.7 | ** | 8.8 | 1.4 | * |
| 2 3. LOOKING FOR WORK | 1.0 | 0.5 | | 0.7 | 0.3 | |
| 2 4. VOLUNTEERING | 3.2 | 11.1 | ** | 5.9 | 16.6 | ** |
| 2 5. USING UNEMPLOYMENT AND OTHER SOCIAL SERVICES | 0.2 | 0.3 | | 0.3 | 0.2 | |
| 2 6. EDUCATIONAL ACTIVITIES | 1.0 | 0.5 | | 0.9 | 0.7 | |
| TOTAL FOR SUPERCATEGORY 2 | 25.4 | 32.9 | ** | 103.1 | 121.5 | |
| 3 1. OBTAINING GROCERIES AND FOOD 3 2./3 3. OBTAINING OTHER GOODS (NONDURABLE AND | 26.2 | 21.3 | ** | 14.1 | 13.4 | |
| DURABLE) | 30.6 | 26.9 | | 30.1 | 25.5 | |
| 3 4. REAL ESTATE RELATED ACTIVITIES | 1.7 | 0.4 | * | 1.2 | 0.2 | |
| TOTAL FOR SUPERCATEGORY 3 | 46.9 | 40.1 | * | 45.4 | 39.2 | |
| 4 1. FOOD & DRINK PREPARATION | 68.9 | 61.9 | ** | 46.2 | 43.5 | |
| 4 2. LAUNDRY AND CLOTHING REPAIR | 20.3 | 18.4 | | 12.6 | 15.3 | |
| 4 3. HOUSEHOLD CARE | 58.0 | 52.0 | * | 59.7 | 72.6 | * |
| 4 4. ANIMAL AND PET CARE | 20.6 | 17.2 | | 9.3 | 7.3 | |
| 4 5. VEHICLE CARE | 7.4 | 4.2 | ** | 6.8 | 4.0 | |
| 4 6. APPLIANCE, COMPUTER, TOOL AND TOY CARE | 5.3 | 2.7 | ** | 2.8 | 2.4 | |
| 47. FINANCIAL MGMT & HOUSEHOLD PLANNING | 30.4 | 29.6 | | 17.0 | 17.9 | |
| TOTAL FOR SUPERCATEGORY 4 | 89.5 | 85.9 | * | 154.4 | 163.0 | |
| 5 1. PHYSICAL CARE & ASSISTANCE TO OTHERS | 16.3 | 15.1 | | 13.8 | 11.2 | |
| 5 2. MEDICAL CARE FOR OTHERS | 4.8 | 2.6 | * | 3.2 | 1.5 | |
| 5 3. SCHOOL-RELATED ASSISTANCE TO OTHERS | 1.6 | 0.5 | * | 0.7 | 0.2 | |
| TOTAL MINUTES FOR SUPERCATEGORY 5 | 19.4 | 16.0 | | 17.7 | 12.9 | |

 Table B1: Percentage Participating and Duration in Minutes, Two-Digit Activity Codes: 2009 DUST vs. 2009

 ATUS.

| | | ted Perce | | | ted Avera on in Min | |
|---|-------|-----------|----|-------|------------------------|----|
| | DUST | ATUS | | DUST | ATUS | |
| 6 1. SOCIALIZING AND PERSONAL COMMUNICATION | 70.6 | 55.4 | ** | 73.8 | 58.7 | ** |
| 6 2. TV & MOVIE VIEWING | 89.2 | 88.7 | | 211.9 | 216.1 | |
| 6 3. GAMES & PUZZLES | 14.7 | 13.5 | | 16.7 | 13.1 | |
| 6 4. OTHER NON-ACTIVE LEISURE | 62.2 | 54.4 | ** | 77.0 | 62.0 | * |
| 6 5. SMOKING AND DRINKING ALCOHOL | 1.9 | 0.8 | * | 0.9 | 0.2 | ** |
| 6 6. NO ACTIVITY: RELAXING, EMOTIONS | 16.9 | 24.1 | ** | 12.2 | 23.8 | ** |
| TOTAL FOR SUPERCATEGORY 6 | 99.2 | 98.4 | | 392.5 | 374.0 | |
| 7 1. SPORTS AND PHYSICAL ACTIVITY | 27.4 | 21.7 | ** | 27.2 | 20.7 | * |
| 7 2. ARTS & ENTERTAINMENT | 4.0 | 3.7 | | 6.2 | 6.4 | |
| 7 3. TRAVEL AS LEISURE | 4.1 | 1.2 | ** | 5.6 | 0.9 | ** |
| TOTAL FOR SUPERCATEGORY 7 | 32.5 | 25.5 | ** | 39.0 | 28.0 | ** |
| 8 1. RELIGIOUS & SPIRITUAL PRACTICE | 14.2 | 14.2 | | 17.1 | 16.2 | |
| 8.2. OTHER ORGANIZATIONS | 1.4 | 0.3 | * | 2.4 | 0.5 | * |
| 8 3. GOVERNMENT & CIVIC ACTIVITIES | 3.8 | 0.4 | ** | 2.7 | 0.2 | ** |
| TOTAL FOR SUPERCATEGORY 8 | 18.7 | 14.9 | * | 22.2 | 16.9 | |
| 9 1. DATA ISSUES | 13.0 | 19.9 | ** | 15.6 | 17.6 | |
| 9999. ATUS Activities that were not given a DUST code | | 8.2 | | | 3.0 | |
| (n) | 1,324 | 1,434 | | 1,324 | 1,434 | |

% =percentage participating; Minutes=unconditional minutes (weighted, among entire sample) *p<0.05 p<0.01

| | Weighted Percent Participating | | | | | | | Weighted Average Duration in Minutes | | | | | | |
|--|--------------------------------|---------|-------|---------|-------|---------|-------|--------------------------------------|-------|--------|-------|-------|--|--|
| | Age | 60-69 | Age | 70-79 | Age | e 80+ | Age | 60-69 | Age | 70-79 | Age | e 80+ | | |
| | DUST | ATUS | DUST | ATUS | DUST | ATUS | DUST | ATUS | DUST | ATUS | DUST | ATUS | | |
| 1 1. SLEEPING | 100.0 | 99.8 | 99.7 | 100.0 | 100.0 | 100.0 - | 498.7 | 505.8 | 508.2 | 526.3 | 536.1 | 551.5 | | |
| 1 2. WASHING DRESSING AND GROOMING | 89.7 | 76.1 ** | 87.5 | 72.4 ** | 82.9 | 75.8 | 45.6 | 40.3 | 46.2 | 40.4 | 39.5 | 37.7 | | |
| 1 3. EATING AND DRINKING | 95.7 | 98.3 ** | 94.5 | 99.0 ** | 98.0 | 99.4 | 87.4 | 84.0 | 93.2 | 97.2 | 101.8 | 103.0 | | |
| 1 4. HEALTH-RELATED SELF-CARE & MEDICATION | 12.4 | 9.1 | 20.3 | 15.4 | 25.0 | 22.1 | 1.5 | 9.2 * | 4.1 | 9.0 | 3.8 | 21.1 | | |
| 1 5. USE OF MEDICAL, HEALTH, & LONG TERM CARE SERVICES | 4.2 | 5.5 | 5.0 | 5.2 | 13.3 | 4.9 | 3.6 | 6.0 | 6.3 | 6.0 | 10.6 | 7.0 | | |
| 1 6. PERSONAL EMERGENCIES | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| TOTAL FOR SUPERCATEGORY 1 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 636.8 | 645.3 | 658.0 | 678.9 | 691.8 | 720.4 | | |
| 2 1. WORK AND WORK-RELATED ACTIVITIES | 26.7 | 31.7 | 9.1 | 11.1 | 5.2 | 5.7 | 127.4 | 154.5 | 34.4 | 37.1 | 13.7 | 17.5 | | |
| 2 2. OTHER INCOME GENERATING ACTIVITIES | 3.8 | 1.1 * | 1.6 | 0.2 ** | 2.2 | 0.3 | 12.8 | 2.2 | 4.0 | 0.2 | 1.5 | 0.6 | | |
| 2 3. LOOKING FOR WORK | 1.6 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 2 4. VOLUNTEERING | 3.2 | 11.4 ** | 3.9 | 11.6 ** | 2.2 | 8.2 * | 5.7 | 16.4 ** | 7.2 | 19.0 * | 3.9 | 9.8 | | |
| 2 5. USING UNEMPLOYMENT AND OTHER SOCIAL SERVICES | 1.5 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 2 6. EDUCATIONAL ACTIVITIES | 1.1 | 0.6 | 0.3 | 0.4 | 0.0 | 0.0 | 1.3 | 1.0 | 0.6 | 0.2 | 0.0 | 0.0 | | |
| TOTAL FOR SUPERCATEGORY 2 | 34.1 | 43.2 * | 14.3 | 21.4 * | 9.5 | 12.0 | 148.8 | 175.2 | 46.2 | 56.5 | 19.1 | 27.9 | | |
| 3 1. OBTAINING GROCERIES AND FOOD | 26.2 | 21.4 | 26.8 | 21.8 | 25.2 | 19.2 | 13.3 | 13.4 | 15.7 | 13.1 | 14.5 | 14.6 | | |
| 32/33 OBTAINING OTHER GOODS (NONDURABLE/DURABLE) | 33.1 | 27.8 | 26.1 | 28.4 | 29.1 | 16.4 * | 34.2 | 29.3 | 25.8 | 22.8 | 21.0 | 13.5 | | |
| 3 4. REAL ESTATE RELATED ACTIVITIES | 1.7 | 0.3 * | 0.9 | 0.6 | 3.4 | 0.7 | 1.3 | 0.2 | 0.9 | 0.1 | 1.5 | 0.5 | | |
| TOTAL FOR SUPERCATEGORY 3 | 49.6 | 40.6 * | 42.1 | 41.7 | 45.0 | 32.2 * | 48.8 | 42.9 | 42.4 | 35.9 | 37.0 | 28.7 | | |
| 4 1. FOOD & DRINK PREPARATION | 66.5 | 60.9 | 73.1 | 65.4 * | 71.2 | 55.9 * | 43.7 | 38.8 | 50.9 | 54.6 | 47.8 | 33.7 | | |
| 4 2. LAUNDRY AND CLOTHING REPAIR | 22.8 | 18.6 | 17.6 | 19.5 | 14.9 | 14.6 | 14.3 | 16.2 | 10.2 | 15.0 | 10.3 | 11.0 | | |
| 4 3. HOUSEHOLD CARE | 57.6 | 48.8 * | 58.5 | 58.2 | 59.2 | 49.6 | 58.9 | 72.0 | 64.9 | 73.2 | 52.1 | 74.0 | | |
| 4 4. ANIMAL AND PET CARE | 23.9 | 18.0 * | 19.9 | 16.8 | 8.1 | 13.7 | 9.5 | 7.9 | 12.2 | 7.0 | 2.5 | 4.9 | | |
| 4 5. VEHICLE CARE | 9.6 | 5.0 * | 4.4 | 3.0 | 4.1 | 3.4 | 9.1 | 4.9 | 4.1 | 3.0 | 1.9 | 1.7 | | |
| 4 6. APPLIANCE, COMPUTER, TOOL AND TOY CARE | 5.4 | 1.8 ** | 6.3 | 3.8 | 2.9 | 4.0 | 3.5 | 2.2 | 2.3 | 2.4 | 1.1 | 3.4 | | |
| 47. FINANCIAL MANAGEMENT & HOUSEHOLD PLANNING | 32.8 | 28.5 | 26.8 | 32.9 | 28.0 | 25.6 | 18.8 | 17.0 | 13.9 | 20.4 * | 15.0 | 15.1 | | |
| TOTAL FOR SUPERCATEGORY 4 | 90.3 | 85.2 | 89.2 | 87.0 | 86.1 | 86.6 | 157.8 | 159.2 | 158.5 | 175.7 | 130.6 | 143.7 | | |
| 5 1. PHYSICAL CARE & ASSISTANCE TO OTHERS | 21.2 | 17.0 | 7.9 | 13.0 * | 11.9 | 10.8 | 20.0 | 14.9 | 5.5 | 7.3 | 3.5 | 3.3 | | |
| 5 2. MEDICAL CARE FOR OTHERS | 4.5 | 1.7 ** | 4.3 | 3.9 | 7.5 | 3.6 | 3.5 | 1.5 | 1.7 | 1.1 | 4.4 | 2.3 | | |
| 5 3. SCHOOL-RELATED ASSISTANCE TO OTHERS | 2.6 | 0.6 ** | 0.1 | 0.6 | 0.0 | 0.0 | 1.1 | 0.3 | 0.0 | 0.2 | 0.0 | 0.0 | | |
| TOTAL FOR SUPERCATEGORY 5 | 24.6 | 17.6 ** | 10.5 | 14.3 | 14.7 | 12.6 | 24.6 | 16.7 | 7.2 | 8.6 | 7.9 | 5.6 | | |

Table B2: Percentage Participating and Duration in Minutes by Age (60-69, 70-79, 80+), Two-Digit Activity Codes: 2009 DUST vs. 2009 ATUS.

(Table B2 continued)

| | | Weig | ted Perc | ent Particip | ating | | Weighted Average Duration in Minutes | | | | | | | |
|---|--------|---------|----------|--------------|-------|---------|--------------------------------------|---------|-------|---------|-------|---------|--|--|
| | Age | 60-69 | Age | 70-79 | Age | e 80+ | Age | 60-69 | Age | 70-79 | Age | e 80+ | | |
| | DUST . | ATUS | DUST | ATUS | DUST | ATUS | DUST | ATUS | DUST | ATUS | DUST | ATUS | | |
| 6 1. SOCIALIZING AND PERSONAL COMMUNICATION | 69.5 | 54.4 ** | 71.0 | 57.3 ** | 74.3 | 55.0 ** | 74.5 | 58.3 * | 74.0 | 60.9 | 70.4 | 54.6 | | |
| 6 2. TV & MOVIE VIEWING | 88.6 | 87.0 | 89.7 | 91.0 | 90.6 | 91.3 | 194.4 | 200.8 | 229.0 | 232.0 | 253.8 | 251.6 | | |
| 6 3. GAMES & PUZZLES | 11.9 | 11.7 | 17.3 | 15.3 | 22.0 | 17.7 | 12.5 | 10.6 | 20.1 | 15.9 | 28.2 | 18.5 | | |
| 64. OTHER NON-ACTIVE LEISURE | 55.8 | 50.4 | 69.0 | 59.1 * | 77.0 | 61.6 * | 61.8 | 51.6 | 98.4 | 70.7 ** | 99.9 | 93.0 | | |
| 6 5. SMOKING AND DRINKING ALCOHOL | 1.3 | 1.1 | 3.0 | 0.3 ** | 2.4 | 0.7 | 0.7 | 0.2 | 1.5 | 0.1 ** | 1.0 | 0.1 | | |
| 6 6. NO ACTIVITY: RELAXING, EMOTIONS | 15.8 | 20.7 | 16.4 | 27.3 * | 23.1 | 32.8 | 9.1 | 17.2 ** | 16.8 | 28.6 * | 16.7 | 45.8 ** | | |
| TOTAL FOR SUPERCATEGORY 6 | 99.1 | 97.8 * | 99.3 | 99.3 | 99.8 | 98.7 | 353.0 | 338.7 | 439.8 | 408.1 | 470.0 | 463.7 | | |
| 7 1. SPORTS AND PHYSICAL ACTIVITY | 29.1 | 20.4 ** | 26.7 | 23.5 | 21.5 | 23.1 | 28.1 | 19.7 * | 29.1 | 24.2 | 18.9 | 15.0 | | |
| 7 2. ARTS & ENTERTAINMENT | 4.2 | 4.3 | 2.8 | 3.6 | 5.2 | 0.8 * | 6.9 | 7.3 | 4.1 | 6.3 | 7.5 | 1.5 * | | |
| 7 3. TRAVEL AS LEISURE | 3.5 | 1.1 ** | 5.3 | 1.0 ** | 3.4 | 2.3 | 4.7 | 0.6 | 9.4 | 1.2 | 1.6 | 1.5 | | |
| TOTAL FOR SUPERCATEGORY 7 | 33.6 | 24.7 ** | 32.1 | 26.8 | 28.5 | 25.5 | 39.7 | 27.7 * | 42.6 | 31.6 | 28.0 | 18.0 | | |
| 8 1. RELIGIOUS & SPIRITUAL PRACTICE | 12.4 | 12.8 | 17.4 | 16.8 | 15.2 | 13.6 | 17.2 | 13.6 | 18.5 | 20.7 | 13.6 | 16.4 | | |
| 8 2 OTHER ORGANIZATIONS | 1.4 | 0.2 | 1.3 | 0.7 | 1.7 | 0.0 | 2.1 | 0.1 * | 3.2 | 1.5 | 2.1 | 0.0 | | |
| 8 3. GOVERNMENT & CIVIC ACTIVITIES | 2.2 | 0.3 ** | 5.8 | 0.6 ** | 7.8 | 0.0 * | 1.2 | 0.3 * | 5.6 | 0.0 ** | 3.5 | 0.0 * | | |
| TOTAL FOR SUPERCATEGORY 8 | 15.2 | 13.3 | 24.0 | 18.2 * | 22.9 | 13.6 | 20.5 | 14.0 | 27.3 | 22.2 | 19.2 | 16.4 | | |
| 9. DATA ISSUES | 9.7 | 18.3 ** | 14.6 | 22.5 | 24.5 | 20.7 | 9.9 | 16.6 * | 17.7 | 20.1 | 36.1 | 15.3 | | |
| 9999. ATUS ACTIVITIES NOT GIVEN DUST CODE | | 7.6 | | 11.0 | | 2.3 | | 3.9 | | 2.3 | | 0.4 | | |
| (n) | 720 | 843 | 406 | 448 | 198 | 143 | 720 | 843 | 406 | 448 | 198 | 143 | | |

Minutes=unconditional minutes (weighted, among entire sample) *p<0.05 **p<0.01

| | | Weight | ed Per | cent Partici | pating | | Wei | ghted Av | verage | Duration in | n Minutes | 5 |
|--|-------|--------|--------|--------------|--------|----|-------|----------|--------|-------------|-----------|----|
| | 1 | Males | | Fe | emales | | 1 | Males | | F | emales | |
| | DUST | ATUS | | DUST | ATUS | | DUST | ATUS | | DUST | ATUS | |
| 1 1. SLEEPING | 99.8 | 99.8 | | 100.0 | 100.0 | | 493.4 | 515.1 | ** | 521.3 | 519.4 | |
| 1 2. WASHING DRESSING AND GROOMING | 85.0 | 68.7 | ** | 91.9 | 82.1 | ** | 37.8 | 32.0 | ** | 53.3 | 49.4 | |
| 1 3. EATING AND DRINKING | 95.2 | 98.7 | ** | 96.2 | 98.7 | ** | 92.9 | 93.0 | | 88.6 | 87.1 | |
| 1 4. HEALTH-RELATED SELF-CARE & | | | | | | | | | | | | |
| MEDICATION | 13.0 | 11.4 | | 20.1 | 13.8 | * | 2.7 | 8.0 | | 2.3 | 13.0 | ** |
| 1 5. USE OF MEDICAL, HEALTH, & LONG TERM | | | | | | | | | | | | |
| CARE SERVICES | 5.0 | 3.1 | | 6.3 | 8.0 | | 6.0 | 3.7 | | 4.5 | 8.8 | * |
| 1 6. PERSONAL EMERGENCIES | 0.1 | 0.0 | | 0.2 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | |
| TOTAL FOR SUPERCATEGORY 1 | 100.0 | 100.0 | | 100.0 | 100.0 | | 632.8 | 651.9 | * | 670.0 | 677.7 | |
| 2 1. WORK AND WORK-RELATED ACTIVITIES | 25.2 | 28.0 | | 11.7 | 15.9 | | 114.7 | 131.5 | | 53.6 | 68.2 | |
| 2 2. OTHER INCOME GENERATING ACTIVITIES | 4.6 | 1.0 | ** | 1.1 | 0.4 | | 14.9 | 1.1 | * | 1.8 | 1.8 | |
| 2 3. LOOKING FOR WORK | 1.6 | 0.7 | | 0.3 | 0.2 | | 1.2 | 0.5 | | 0.0 | 0.1 | |
| 2 4. VOLUNTEERING | 3.1 | 11.0 | ** | 3.4 | 11.3 | ** | 5.8 | 17.4 | ** | 6.0 | 15.7 | ** |
| 2 5. USING UNEMPLOYMENT AND OTHER SOCIAL | | | | | | | | | | | | |
| SERVICES | 0.5 | 0.6 | | 0.0 | 0.0 | | 0.6 | 0.4 | | 0.0 | 0.0 | |
| 2 6. EDUCATIONAL ACTIVITIES | 0.7 | 0.5 | | 1.3 | 0.5 | | 0.5 | 0.4 | | 1.5 | 0.9 | |
| TOTAL FOR SUPERCATEGORY 2 | 32.6 | 38.1 | | 17.0 | 26.8 | * | 137.7 | 151.4 | | 62.9 | 86.7 | |
| 3 1. OBTAINING GROCERIES AND FOOD | 25.7 | 17.9 | ** | 26.8 | 25.4 | | 12.6 | 10.3 | | 15.9 | 17.0 | |
| 32/33. OBTAINING OTHER GOODS (NONDURABLE | | | | | | | | | | | | |
| AND DURABLE) | 29.5 | 25.9 | | 31.9 | 28.0 | | 30.1 | 24.3 | | 30.2 | 27.0 | |
| 3 4. REAL ESTATE RELATED ACTIVITIES | 1.6 | 0.3 | ** | 1.8 | 0.6 | | 1.2 | 0.2 | | 1.2 | 0.2 | |
| TOTAL FOR SUPERCATEGORY 3 | 45.9 | 38.3 | * | 48.0 | 42.2 | | 43.9 | 34.9 | * | 47.3 | 44.2 | |
| 4 1. FOOD & DRINK PREPARATION | 55.5 | 44.0 | ** | 84.6 | 82.7 | | 25.8 | 17.0 | * | 70.0 | 71.4 | |
| 4 2. LAUNDRY AND CLOTHING REPAIR | 4.5 | 5.2 | | 38.7 | 34.0 | | 1.6 | 2.7 | | 25.4 | 29.9 | |
| 4 3. HOUSEHOLD CARE | 48.7 | 44.0 | | 68.9 | 61.2 | | 63.9 | 69.7 | | 54.7 | 76.1 | ** |
| 4 4. ANIMAL AND PET CARE | 20.3 | 17.2 | | 20.9 | 17.1 | | 9.4 | 7.3 | | 9.2 | 7.4 | |
| 4 5. VEHICLE CARE | 11.2 | 5.7 | ** | 3.0 | 2.3 | | 10.9 | 4.5 | ** | 1.9 | 3.5 | |

Table B3: Percentage Participating and Duration in Minutes by Sex, Two-Digit Activity Codes: 2009 DUST vs. 2009 ATUS.

| | | Weight | ed Per | cent Partici | pating | Weighted Average Duration in Minutes | | | | | | | |
|---|------|--------|--------|--------------|--------|--------------------------------------|-------|-------|----|-------|--------|----|--|
| |] | Males | | Fe | emales | | 1 | Males | | F | emales | | |
| | DUST | ATUS | | DUST | ATUS | | DUST | ATUS | | DUST | ATUS | | |
| 4 6. APPLIANCE, COMPUTER, TOOL/TOY CARE | 7.3 | 3.8 | * | 3.0 | 1.5 | | 4.0 | 3.8 | | 1.4 | 0.8 | | |
| 47. FINANCIAL MGMT & HOUSEHOLD PLANNING | 28.2 | 27.3 | | 32.9 | 32.4 | | 16.9 | 17.5 | | 17.1 | 18.4 | | |
| TOTAL FOR SUPERCATEGORY 4 | 84.0 | 78.7 | | 95.8 | 94.3 | | 132.5 | 124.8 | | 179.7 | 207.5 | ** | |
| 5 1. PHYSICAL CARE & ASSISTANCE TO OTHERS | 12.8 | 13.4 | | 20.3 | 17.0 | | 7.7 | 9.4 | | 20.9 | 13.4 | | |
| 5 2. MEDICAL CARE FOR OTHERS | 3.9 | 1.9 | | 6.0 | 3.4 | | 3.7 | 1.4 | | 2.5 | 1.5 | | |
| 5 3. SCHOOL-RELATED ASSISTANCE TO OTHERS | 0.7 | 0.5 | | 2.6 | 0.5 | ** | 0.4 | 0.2 | | 1.0 | 0.3 | | |
| TOTAL FOR SUPERCATEGORY 5 | 15.5 | 14.1 | | 24.0 | 18.3 | | 11.8 | 11.0 | | 24.4 | 15.2 | * | |
| 6 1. SOCIALIZING/ PERSONAL COMMUNICATION | 64.8 | 50.2 | ** | 77.2 | 61.5 | ** | 61.6 | 50.5 | | 88.0 | 68.3 | ** | |
| 6 2. TV & MOVIE VIEWING | 90.3 | 89.6 | | 88.0 | 87.7 | | 231.5 | 250.6 | | 189.1 | 175.8 | | |
| 6 3. GAMES & PUZZLES | 12.3 | 10.8 | | 17.6 | 16.7 | | 13.6 | 10.2 | | 20.3 | 16.5 | | |
| 6 4. OTHER NON-ACTIVE LEISURE | 57.7 | 54.2 | | 67.5 | 54.5 | ** | 71.6 | 63.3 | | 83.2 | 60.5 | ** | |
| 6 5. SMOKING AND DRINKING ALCOHOL | 2.1 | 1.0 | | 1.7 | 0.6 | | 1.2 | 0.2 | ** | 0.7 | 0.2 | | |
| 6 6. NO ACTIVITY: RELAXING, EMOTIONS | 15.5 | 21.4 | * | 18.6 | 27.1 | ** | 12.4 | 24.1 | ** | 12.1 | 23.5 | ** | |
| TOTAL FOR SUPERCATEGORY 6 | 98.9 | 98.4 | | 99.7 | 98.4 | | 391.9 | 399.0 | | 393.4 | 344.8 | ** | |
| 7 1. SPORTS AND PHYSICAL ACTIVITY | 26.6 | 23.9 | | 28.3 | 19.1 | ** | 32.1 | 25.1 | | 21.4 | 15.6 | * | |
| 7 2. ARTS & ENTERTAINMENT | 4.2 | 3.6 | | 3.7 | 3.8 | | 6.6 | 6.5 | | 5.7 | 6.2 | | |
| 7 3. TRAVEL AS LEISURE | 5.5 | 0.8 | ** | 2.6 | 1.6 | | 8.2 | 0.5 | ** | 2.5 | 1.4 | | |
| TOTAL FOR SUPERCATEGORY 7 | 32.7 | 27.3 | | 32.4 | 23.3 | ** | 46.9 | 32.1 | ** | 29.6 | 23.2 | | |
| 8 1. RELIGIOUS & SPIRITUAL PRACTICE | 12.4 | 10.7 | | 16.2 | 18.7 | | 16.6 | 15.7 | | 17.6 | 16.8 | | |
| 8.2 OTHER ORGANIZATIONS | 1.4 | 0.3 | | 1.4 | 0.4 | | 2.5 | 0.2 | * | 2.2 | 0.9 | | |
| 8 3. GOVERNMENT & CIVIC ACTIVITIES | 3.9 | 0.6 | ** | 3.6 | 0.1 | ** | 2.7 | 0.3 | ** | 2.7 | 0.0 | ** | |
| TOTAL FOR SUPERCATEGORY 8 | 16.9 | 11.2 | * | 20.7 | 18.4 | | 21.8 | 16.2 | | 22.5 | 17.7 | | |
| 9. DATA ISSUES | 13.2 | 18.4 | * | 12.8 | 21.7 | ** | 20.7 | 15.8 | | 9.7 | 19.8 | ** | |
| 9999. ATUS ACTIVITIES NOT GIVEN DUST CODE | | 5.9 | | | 10.8 | | | 2.9 | | | 3.2 | | |
| (n) | 709 | 729 | | 615 | 705 | | 709 | 729 | | 615 | 705 | | |

Minutes=unconditional minutes (weighted, among entire sample) *p<0.05 **p<0.01

| | | Weight | ed Pero | ent Partici | ipating | | Wei | ghted Av | verage 1 | Duration in | n Minute | S: |
|---|-------|------------|---------|-------------|-----------|----|-------|------------|----------|-------------|-----------|----|
| | No | Disability | / | Any | Disabilit | У | No l | Disability | / | Any | Disabilit | ty |
| | DUST | ATUS | | DUST | ATUS | | DUST | ATUS | | DUST | ATUS | |
| 1 1. SLEEPING | 100.0 | 99.9 | | 99.8 | 100.0 | | 492.9 | 506.3 | * | 525.7 | 565.0 | |
| 1 2. WASHING DRESSING AND GROOMING | 91.1 | 76.5 | ** | 84.0 | 67.4 | ** | 46.5 | 41.1 | * | 42.8 | 35.4 | |
| 1 3. EATING AND DRINKING | 95.9 | 98.5 | ** | 95.3 | 99.3 | ** | 88.6 | 89.9 | | 94.4 | 91.9 | |
| 1 4. HEALTH-RELATED SELF-CARE & MEDICATION | 12.2 | 10.1 | | 22.1 | 23.1 | | 2.1 | 8.5 | ** | 3.0 | 18.5 | * |
| 1 5. USE OF MEDICAL, HEALTH, & LONG TERM CARE | | | | | | | | | | | | |
| SERVICES | 4.7 | 5.0 | | 7.0 | 6.6 | | 3.8 | 5.5 | | 7.4 | 8.9 | |
| 1 6. PERSONAL EMERGENCIES | 0.1 | 0.0 | | 0.1 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | |
| TOTAL FOR SUPERCATEFORY 1 | 100.0 | 100.0 | | 100.0 | 100.0 | | 633.9 | 651.2 | * | 673.3 | 719.7 | ** |
| 2 1. WORK AND WORK-RELATED ACTIVITIES | 23.7 | 25.6 | | 12.1 | 8.1 | | 116.2 | 117.3 | | 43.5 | 35.8 | |
| 2 2. OTHER INCOME GENERATING ACTIVITIES | 3.7 | 0.9 | ** | 1.8 | 0.2 | * | 10.6 | 1.7 | | 6.3 | 0.0 | * |
| 2 3. LOOKING FOR WORK | 1.6 | 0.4 | * | 0.1 | 0.7 | | 1.0 | 0.2 | | 0.2 | 0.7 | |
| 2 4. VOLUNTEERING | 2.8 | 12.1 | ** | 3.9 | 7.0 | | 5.7 | 18.9 | ** | 6.1 | 6.3 | |
| 2 5. USING UNEMPLOYMENT AND OTHER SOCIAL | | | | | | | | | | | | |
| SERVICES | 0.4 | 0.4 | * | 0.0 | 0.0 | | 0.5 | 0.3 | | 0.0 | 0.0 | |
| 2 6. EDUCATIONAL ACTIVITIES | 1.3 | 0.6 | | 0.5 | 0.0 | | 1.0 | 0.8 | | 0.8 | 0.0 | |
| TOTAL FOR SUPERCATEFORY 2 | 31.5 | 36.8 | | 16.6 | 15.3 | | 135.0 | 139.2 | | 56.9 | 42.9 | |
| 3 1. OBTAINING GROCERIES AND FOOD | 27.7 | 23.0 | * | 24.1 | 13.9 | ** | 14.8 | 14.1 | | 13.1 | 10.4 | |
| 32/33. OBTAINING OTHER GOODS (NONDURABLE AND | | | | | | | | | | | | |
| DURABLE) | 31.1 | 28.6 | | 29.9 | 19.1 | * | 31.0 | 27.3 | | 28.8 | 17.6 | * |
| 3 4. REAL ESTATE RELATED ACTIVITIES | 2.1 | 0.5 | * | 1.1 | 0.0 | | 1.7 | 0.3 | | 0.5 | 0.0 | |
| TOTAL FOR SUPERCATEFORY 3 | 48.2 | 42.4 | | 44.9 | 29.8 | ** | 47.5 | 41.7 | | 42.4 | 27.9 | ** |
| 4 1. FOOD & DRINK PREPARATION | 70.3 | 62.4 | ** | 66.9 | 59.7 | | 47.9 | 44.1 | | 43.8 | 40.9 | |
| 4 2. LAUNDRY AND CLOTHING REPAIR | 20.8 | 18.2 | | 19.5 | 19.6 | | 13.5 | 15.8 | | 11.3 | 13.0 | |
| 4 3. HOUSEHOLD CARE | 61.0 | 52.8 | * | 53.8 | 48.2 | | 63.4 | 73.7 | | 54.3 | 68.0 | |
| 4 4. ANIMAL AND PET CARE | 22.4 | 17.4 | | 18.1 | 16.0 | | 9.4 | 7.7 | | 9.1 | 5.8 | |
| 4 5. VEHICLE CARE | 7.1 | 4.7 | | 7.9 | 2.0 | * | 7.1 | 4.7 | | 6.3 | 0.9 | ** |
| 4 6. APPLIANCE, COMPUTER, TOOL/TOY CARE | 5.2 | 2.8 | * | 5.5 | 2.1 | | 3.1 | 2.6 | | 2.5 | 1.5 | |

Table B4: Percentage Participating and Duration in Minutes by Disability, Two-Digit Activity Codes: 2009 DUST vs. 2009 ATUS.

| | | Weight | ed Perc | cent Partici | pating | Weighted Average Duration in Minutes | | | | | | |
|---|------|------------|---------|--------------|-----------|--------------------------------------|-------|------------|----|-------|-----------|----|
| | Nol | Disability | / | Any | Disabilit | У | Nol | Disability | / | Any | Disabilit | y |
| | DUST | ATUS | | DUST | ATUS | | DUST | ATUS | | DUST | ATUS | |
| 47. FINANCIAL MGMT & HOUSEHOLD PLANNING | 32.0 | 31.4 | | 28.1 | 21.8 | | 17.5 | 19.9 | | 16.2 | 8.9 | * |
| TOTAL FOR SUPERCATEFORY 4 | 90.6 | 87.0 | | 87.8 | 80.9 | * | 161.9 | 168.4 | | 143.5 | 139.0 | |
| 5 1. PHYSICAL CARE & ASSISTANCE TO OTHERS | 17.8 | 15.5 | | 14.2 | 13.2 | | 14.5 | 12.1 | | 12.7 | 7.3 | |
| 5 2. MEDICAL CARE FOR OTHERS | 4.3 | 2.5 | | 5.5 | 3.1 | | 3.2 | 1.4 | | 3.1 | 1.9 | |
| 5 3. SCHOOL-RELATED ASSISTANCE TO OTHERS | 1.8 | 0.6 | | 1.3 | 0.0 | | 0.8 | 0.3 | | 0.5 | 0.0 | * |
| TOTAL FOR SUPERCATEFORY 5 | 20.5 | 16.5 | | 18.1 | 13.8 | | 18.5 | 13.8 | | 16.3 | 9.2 | |
| 61. SOCIALIZING AND PERSONAL COMMUNICATION | 70.9 | 56.0 | ** | 70.1 | 52.8 | ** | 74.2 | 59.5 | * | 73.2 | 55.4 | * |
| 6 2. TV & MOVIE VIEWING | 88.7 | 88.3 | | 89.9 | 90.7 | | 193.2 | 202.4 | | 238.9 | 276.8 | |
| 6 3. GAMES & PUZZLES | 12.2 | 13.2 | | 18.5 | 14.9 | | 14.7 | 12.0 | | 19.6 | 18.0 | |
| 64. OTHER NON-ACTIVE LEISURE | 63.8 | 54.6 | * | 60.0 | 53.3 | | 75.3 | 60.8 | | 79.4 | 67.5 | |
| 6 5. SMOKING AND DRINKING ALCOHOL | 2.1 | 0.9 | | 1.6 | 0.3 | * | 0.9 | 0.2 | * | 1.0 | 0.1 | ** |
| 6 6. NO ACTIVITY: RELAXING, EMOTIONS | 13.8 | 23.9 | ** | 21.4 | 24.9 | | 8.9 | 21.4 | ** | 17.1 | 34.4 | ** |
| TOTAL FOR SUPERCATEFORY 6 | 99.4 | 98.3 | | 98.9 | 98.8 | | 367.2 | 356.4 | | 429.2 | 452.3 | |
| 7 1. SPORTS AND PHYSICAL ACTIVITY | 31.7 | 23.8 | ** | 21.2 | 12.1 | ** | 31.6 | 23.2 | * | 20.7 | 9.5 | ** |
| 7 2. ARTS & ENTERTAINMENT | 4.6 | 4.0 | | 3.2 | 2.5 | | 6.4 | 7.0 | | 5.9 | 3.6 | |
| 7 3. TRAVEL AS LEISURE | 4.0 | 1.0 | ** | 4.3 | 1.8 | | 5.9 | 0.9 | * | 5.1 | 1.0 | * |
| TOTAL FOR SUPERCATEFORY 7 | 37.0 | 27.6 | ** | 26.1 | 16.1 | ** | 43.9 | 31.1 | ** | 31.7 | 14.0 | ** |
| 8 1. RELIGIOUS & SPIRITUAL PRACTICE | 13.7 | 14.2 | | 14.9 | 14.0 | | 16.6 | 15.5 | | 17.7 | 19.2 | |
| 8 2. OTHER ORGANIZATIONS | 1.7 | 0.3 | ** | 1.0 | 0.8 | | 2.6 | 0.6 | | 2.1 | 0.3 | |
| 8 3. GOVERNMENT & CIVIC ACTIVITIES | 2.5 | 0.5 | ** | 5.7 | 0.0 | ** | 1.5 | 0.2 | ** | 4.4 | 0.0 | ** |
| TOTAL FOR SUPERCATEFORY 8 | 17.4 | 14.9 | | 20.5 | 14.8 | | 20.7 | 16.3 | | 24.2 | 19.5 | |
| 9. DATA ISSUES | 11.3 | 20.1 | ** | 15.6 | 19.0 | | 11.1 | 18.7 | * | 22.1 | 13.1 | * |
| 9999. ATUS Activities that were not given a DUST code | | 8.1 | | | 8.8 | | | 3.1 | | | 2.5 | |
| (n) | 659 | 1,180 | | 665 | 254 | | 659 | 1,180 | | 665 | 254 | |

Minutes=unconditional minutes (weighted, among entire sample) p<0.05 + p<0.01