

## ATUS Exercise: Understanding eldercare data

### Learning goals

- [fill in]

### Summary

In this exercise, you will become more familiar with the eldercare data in the ATUS. You will analyze the variables collected by the module and you will also explore differences in time use by eldercare providers and non-providers.



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## Exercises

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Eldercare information is collected at two levels: person (P) and eldercare recipient (R). P records contain information from the ATUS respondent about eldercare provision. Eldercare recipient records contain information about the individuals to whom the ATUS respondent provided care. Eldercare recipient records are not available in ATUS-X yet, but the data may be [downloaded from ATUS-X for use](#).

Create an extract that includes all samples with eldercare information. Create and extract the following time use variables: one each for time spent in personal care (010000), social activities (120000), care for adults (030400, 030500, 040400, 040500), and secondary eldercare (filter secondary activity, without care for adults). You will also need to extract all of the person-level variables about eldercare.

Examining person-level eldercare variables.

### Part 1: Eldercare

How many respondents in each year (2011-2014) provided eldercare in the last 3 months? 2011: \_\_\_\_\_  
2012: \_\_\_\_\_ 2013: \_\_\_\_\_ 2014: \_\_\_\_\_ What proportion of providers provided eldercare about once a week or more? 2011: \_\_\_\_\_ 2012: \_\_\_\_\_ 2013: \_\_\_\_\_ 2014: \_\_\_\_\_

### Part 2: Secondary Eldercare

In 2011, among those who provided eldercare the day before the interview, how much time do they spend in secondary eldercare? \_\_\_\_\_ How much time do at least weekly providers spend? \_\_\_\_\_

### Part 3: Personal Care and Social Activities

In 2014, considering those who provided eldercare at least weekly, how much time do they spend in personal care and social activities? Personal care: \_\_\_\_\_ Social activities: \_\_\_\_\_ What about those who didn't provide eldercare in the last 3 months? Personal care: \_\_\_\_\_ Social activities: \_\_\_\_\_

### Part 4: Eldercare for multiple persons

Examining eldercare recipient-level data. Merge the eldercare recipient data (R records) to the ATUS respondent data file (P records). You want to preserve information from all respondents, even if they haven't provided eldercare.

How many respondents have provided eldercare for more than one person? \_\_\_\_\_

### Part 5: Eldercare longevity

How many respondents have provided eldercare for at least 1 year? \_\_\_\_\_

### Part 6: Eldercare age

Create a new category for caregivers who provide eldercare to spouse or partner 65 years old or more. How much time do they spend in personal care and social activities? Personal care: \_\_\_\_\_ Social activities: \_\_\_\_\_



### Part 1 Answers: Examining person-level eldercare variables

- 1) How many respondents in each year (2011-2014) provided eldercare in the last 3 months? 2011: 2520  
2012: 2395 2013: 2221 2014: 2326 What proportion of providers provided eldercare about once a week or more? 2011: 58.8% 2012: 56.6% 2013: 57.3% 2014: 57.2%
- 2) In 2011, among those who provided eldercare the day before the interview, how much time do they spend in secondary eldercare? 192 minutes How much time do at least weekly providers spend? 68 minutes
- 3) In 2014, considering those who provided eldercare at least weekly, how much time do they spend in personal care and social activities? Personal care: 555 minutes Social activities: 286 minutes What about those who didn't provide eldercare in the last 3 months? Personal care: 579 minutes Social activities: 288 minutes

### Part 2 Answers: Examining eldercare recipient-level data.

- 4) How many respondents have provided eldercare for more than one person? 2478
- 5) How many respondents have provided eldercare for at least 1 year? 6063
- 6) Create a new category for caregivers who provide eldercare to spouse or partner 65 years old or more. How much time do they spend in personal care and social activities? Personal care: 576 minutes Social activities: 394 minutes

