

## **Attachment P. List of articles and publications using data from the 2006-08 Eating and Health Modules**

[The Role of Time in Fast-Food Purchasing Behavior in the United States](#)—This study examines the effects of time-use behaviors on fast-food purchases in the United States. Findings reveal that those who purchase fast food do so to save time, and the share of the population that purchased fast food on a given day stayed fairly constant during and after the 2007-09 recession (November 2014).

[Nonresponse Bias Analysis of Body Mass Index Data in the Eating and Health Module](#)—Findings showed that any nonresponse bias associated with height and weight data appears small and would not affect future analyses of correlations between Body Mass Index (BMI) and time use (August 2012).

[Investigating the Time Use Patterns of Obese Americans](#)—This article examines time spent on various activities by individuals in different body mass index (BMI) groups. Across all BMI groups, those who were obese over the 2006-08 period spent the longest amount of time watching TV and the shortest amount of time engaged in sports and exercise (June 2012).

[How Much Time Do Americans Spend on Food?](#)—This report uses data from the 2006-08 ERS Eating & Health Module of the American Time Use Survey to present an overview of Americans' eating and other food-related time use patterns (November 2011).

[Shopping For, Preparing, and Eating Food: Where Does the Time Go?](#)—Describes time use patterns of SNAP participants and low-income nonparticipants (December 2009).

[Working Parents Outsource Children's Meals](#)—Describes time use patterns of employed persons and whether children in the household obtain meals at school (March 2009).

[How Much Time Do Americans Spend Eating?](#)—Describes time Americans spent on eating and drinking beverages in 2006 (June 2008).

[Who Has Time To Cook? How Family Resources Influence Food Preparation](#)—Analysis of how family resources affect food preparation time (May 2007).

[How Much Time Do Americans Spend Preparing and Eating Food?](#)—Describes time Americans spent on grocery shopping, food preparation, and eating in 2003 (November 2005).

### **Resource links**

[Bureau of Labor Statistics American Time Use Survey](#)—Provides access to the ATUS data, survey methodology, and estimates of Americans' time spent on various activities.

[NIH-National Cancer Institute, Division of Cancer Control and Population Sciences, Applied Research Program](#)—Serves as a funding partner with ERS of the ATUS Eating and Health

Module. The Applied Research Program at NCI supports surveys and research to assess risk factors and health behaviors that affect cancer incidence, mortality, and survival.

[Metabolic Equivalents for Activities in the American Time Use Survey](#)—Bridge between the Compendium of Physical Activities and the ATUS Activity Lexicon.

[American Time Use Survey Extract Builder](#)—Data extractor that can make the ATUS microdata easier to use.

University of Maryland Population Research Center—Hosted the [2014 Perspectives on Time Use in the U.S. Conference](#), the [2011 International Perspectives on Time Use Conference](#) and the [2009 American Time Use Research Conference](#).


[University of Oxford Centre for Time Use Research](#)—Provides access to harmonized multinational time use data. The Centre for Time Use Research also provides access to the American Heritage Time Use Study, a database of five decades of time use/diary samples.

[International Association for Time Use Research](#)—International organization devoted to time-use data collection and research. The organization publishes the electronic *International Journal of Time Use Research*.

## Government reports and publications (non-ERS)

**Disclaimer:** *The authors of the following studies are not affiliated with ERS; this information is provided for your convenience and does not constitute an endorsement.*

Drago, R. W. and J. C. Stewart. "[Time-Use Surveys: issues in data collection on multitasking.](#)"  *Monthly Labor Review* 133(8):17-31, August 2010.

German Federal Statistical Office (2010). [In-depth review on time-use surveys.](#)  58th plenary session, Conference of European Statisticians, Paris, France, 8-10 June 2010.

## Journal articles

**Disclaimer:** *The authors of the following studies are not affiliated with ERS; this information is provided for your convenience and does not constitute an endorsement.*

Sliwa, S. A., A. Must, F. Perea, and C. Economos. "[Maternal employment, acculturation, and time spent in food-related behaviors among Hispanic mothers in the United States: Evidence from the American Time Use Survey.](#)" *Appetite*, 87(1): 10-19, 2014.

Tudor-Locke, C., J. M. S. Jr., P. T. Katzmarzyk, W. Liu, K. S. Hamrick, and W. D. Johnson. "[Body Mass Index: Accounting for Full Time Sedentary Occupation and 24-Hr Self-Reported Time Use.](#)" *PLOS One* 9(10): e109051, 2014.

- Senia, M., H. Jensen, and O. Zhylyevskyy. "[Time in eating and food preparation among single adults](#)," *Review of Economics of the Household*: 1-34, 2014.
- Abramowitz, J. "[The connection between working hours and body mass index in the U.S.: a time use analysis](#)," *Review of Economics of the Household*, DOI 10.1007/s11150-014-9267-4, 2014.
- Oh, A., T. Erinosh, G. Dunton, M. P. F and D. Berrigan. "[Cross-sectional examination of physical and social contexts of episodes of eating and drinking in a national sample of US adults](#)," *Public Health Nutrition*: 1-9, 2014.
- Yang, J. and S. French. "[The travel–obesity connection: discerning the impacts of commuting trips with the perspective of individual energy expenditure and time use](#)," *Environment and Planning B: Planning and Design* 40(4): 617–629, 2013.
- Kang, H. "[Social integration: How is it related to self-rated health?](#)" *Advances in Aging Research* 02(01): 10-20, 2013.
- Kalenkoski, C. M. and K. S. Hamrick. "[How Does Time Poverty Affect Behavior? A Look at Eating and Physical Activity](#)," *Applied Economic Perspectives and Policy* 35(1): 89-105, 2012.
- Podor, M. and T.J. Halliday. "Health status and the allocation of time." *Health Economics* 21(5): 514-527, 2012.
- Roy, M., D. L. Millimet, and R. Tchernis. "[Federal nutrition programs and childhood obesity: inside the black box](#)," *Review of Economics of the Household* 10(1): 1-38, 2012.
- Zick, C. D., R. B. Stevens, and W. K. Bryant. "[Time use choices and healthy body weight: A multivariate analysis of data from the American Time Use Survey](#)," *International Journal of Behavioral Nutrition and Physical Activity* 8(84), 2011.
- Spears, D. "[Economic Decision-Making in Poverty Depletes Behavioral Control](#)," *The B.E. Journal of Economic Analysis & Policy* 11(1): Article 72, 2011.
- Song, Y. "Time Preference and Time Use: Do Smokers Exercise Less?" *Labour* 25(3): 350-369, 2011.
- Roy, M., D. L. Millimet, and R. Tchernis. "[Federal nutrition programs and childhood obesity: inside the black box](#)," *Review of Economics of the Household* 10(1): 1-38, 2011.
- Jonas, D. E., Y. Ibuka, and Louise B. Russell. "How Much Time Do Adults Spend on Health-related Self-care? Results from the American Time Use Survey," *The Journal of the American Board of Family Medicine* 24(4): 380-390, 2011.
- Carr, D., Y. Ibuka, and L. Russell. "How Much Time Do Americans Spend Seeking Health Care? Racial and Ethnic Differences in Patient Experiences," *Research in the Sociology of Health Care* 28: 71-98, 2011.

Kolodinsky, J. M. and A. B. Goldstein. "Time Use and Food Pattern Influences on Obesity," *Obesity*:1-9, May 2011.

Zick, C. D. and R. B. Stevens. "Time spent eating and its implications for Americans' energy balance," *Social Indicators Research* 101(2): 267-273, 2011.

Reifschneider, M., K. Hamrick, and J. Lacey. "Exercise, eating patterns, and obesity: evidence from the ATUS and its eating & health module," *Social Indicators Research* 101(2):215-219, 2011.

Hamermesh, D. S. "Incentives, time use and BMI: The roles of eating, grazing and goods," *Economics & Human Biology* 8(1):2-15, 2010.

Dunton, G. F., D. Berrigan, et al. "Joint associations of physical activity and sedentary behaviors with body mass index: Results from a time use survey of U.S. adults," *International Journal of Obesity* 33(12):1427-1436, 2009.

Zick, C. D. and R. B. Stevens. "Trends in Americans' food-related time use: 1975-2006," *Public Health Nutrition* 13(07):1064-1072, 2009.

## **Working papers and other publications**

*Disclaimer: The authors of the following studies are not affiliated with ERS; this information is provided for your convenience and does not constitute an endorsement.*

### **2014**

Shinall, J. B. "[Why Obese Workers Earn Less: Occupational Sorting and Its Implications for the Legal System](#)," [Social Science Research Network](#), 2014.

Kolodinsky, J. and J. Castle. "[Mother/Child Eating and Drinking Patterns by Weight and Ethnicity](#)," Agricultural & Applied Economics Association 2014 annual meeting, Minneapolis, MN, July 27-29, 2014.

Courtemanche, C., J. C. Pinkston and J. Stewart. "[Adjusting Body Mass for Measurement Error with Invalid Validation Data](#)," National Bureau of Economic Research, Working Paper 19928, 2014.

Kolodinsky, J. "[Mother/Child Food Preparation, Race/Ethnicity and Weight in the United States](#)," *Family Socioeconomic and Cultural Issues: A Continuing Home Economics Concern*, IFHE monograph in honor of the 20th Anniversary of the International Year of Family, International Federation for Home Economics, 2014.

## 2013

Abramowitz, J. "[Essays on Health, Family, and Work Choices](#)," PhD dissertation, University of Washington, 2013.

Senia, M., H. H. Jensen, and O. Zhylyevskyy. "Time in Eating and Food Preparation for Single-Headed Household," 2013 AAEA & CAES Joint Annual Meeting. Washington, DC, Agricultural & Applied Economics Association, August 4-6, 2013.

## 2012

Manan, R. "[Three essays on the effect of public policies on infant and adolescent health](#)," Southern Methodist University, PhD dissertation, 2012.

Vorisek, L. "[Differences in the Amount of Time Spent on Food Shopping, Preparation and Consumption by Obesity Status in US Adults](#)," School of Health and Rehabilitation Sciences, Ohio State University, undergraduate research theses and honors research, 2012.

Rudi, J. "[Two Applied Economics Essays: Trade Duration in U.S. Fresh Fruit and Vegetable Imports & Goods—Time Elasticity of Substitution in Household Food Production for SNAP participants and nonparticipants](#)," Agricultural and Applied Economics, Virginia Polytechnic Institute and State University. Blacksburg, VA, Master of Science thesis, 2012.


Hamermesh, D. S. "[Light or Lighter? Tall or Taller? Pretty or Prettier?: The Nature of Market Responses to Ascriptive Characteristics](#)," Working paper, University of Texas at Austin, 2012.

## 2011


Zick, C. D. "[The Role of Time Use in Promoting Healthy Energy Balance](#)," Contractor and Cooperator Report No. 70, USDA, NAL. December 2011

Woodward, J. "[Time as an Ingredient in Meal Production and Consumption](#),"  Department of Economics, University of North Carolina at Greensboro, Working Paper 11-12, July 15, 2011.


Vargas, A. J. "Health and Health Habits among Mexicans Immigrants to the United States: A Time Use Perspective," working paper, Texas Tech University, October 2011.

Kolodinsky, J. and A. Goldstein. "[What's Time Got to Do with It? An Investigation of Obesity in Male versus Female Single Headed Households](#),"  *Consumer Interests Annual*, American Council on Consumer Interests, 2011.

## 2010

Spears, D. "[Economic Decision-making in Poverty Depletes Behavioral Control](#),"  Center for Economic Policy Studies Working Paper Number 213, Princeton University, December 2010.

Pham-Kanter, G. "The Gender Weight Gap: Sons, Daughters, and Maternal Weight," November 7, 2010.


Roy, M., D. L. Millimet, and R. Tchernis. "[Federal Nutrition Programs and Childhood Obesity: Inside the Black Box.](#)"  IZA Discussion Paper Number 5316, IZA (Institute for the Study of Labor), November 2010.

Christian, T. J. *Essays in Health Economics: A Focus on the Built Environment*. Department of Economics, Georgia State University, PhD dissertation, 2010.

### **2009**

Christian, T. J. "Opportunity Costs Surrounding Exercise and Dietary Behaviors: Quantifying Trade-offs Between Commuting Time and Health-Related Activities," Working paper, Georgia State University, October 2009.

Hamermesh, D. S. "[Grazing, Goods and Girth: Determinants and Effects](#)," National Bureau of Economic Research Working Paper Number 15277, August 2009.

Podor, M. "[Health Status and the Allocation of Time](#),"  University of Hawai'i at Mānoa Working Paper Number 09-7, University of Hawai'i at Mānoa, August 2009.

Andrews, M., K. Hamrick, and C. Kalenkoski. "Time Use, Food Security and Supplemental Nutritional Assistance (SNAP) Participation," American Time Use Research Conference, June 25-26, 2009, College Park, MD, 2009.

Carr, D., Y. Ibuka, and L. Russell. "Time Spent on Outpatient Visits by Race and Ethnicity: Evidence from the American Time Use Survey," American Time Use Research Conference, June 25-26, 2009, College Park, MD, 2009.

Kolodinsky, J. and A. Goldstein. "Food expenditure and Time-Use Patterns in Single Normal and Over-Weight Female headed Households," American Time Use Research Conference, June 25-26, 2009, College Park, MD, 2009.


Pinkston, J. and J. Stewart. "How Does Time Use Affect the Probability of Becoming Obese?," American Time Use Research Conference, June 25-26, 2009, College Park, MD, 2009.

Waehrer, G. and P. Deb. "Food Stamp Effects on Home Food Preparation," American Time Use Research Conference, June 25-26, 2009, College Park, MD, 2009.

Zick, C. D. and R. B. Stevens. "Is Dinner Ready Yet? The Time Implications of Participating in the Food Stamp Program," American Time Use Research Conference, June 25-26, 2009, College Park, MD, 2009.

### **2006 and 2008**

Kolodinsky, J. "Obesity and Time Use-A First Look Using ATUS Data," *Consumer Interests Annual*, American Council on Consumer Interests, 2008.

Hamrick, K. S. "[Collecting Data on Eating Patterns, Obesity Risk and Food Access: The Food and Eating Module.](#)"  *Consumer Interests Annual*, American Council on Consumer Interests, 2006.