

## Curriculum Vitae

<b>Name:</b>	Eldin Dzibur, Ph.D.	
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<b>Education:</b>	2012-2017	Ph.D.; University of Southern California
	2010-2012	M.S.; University of Michigan-Dearborn
	2006-2010	B.S.; Wayne State University
<b>Professional Experience:</b>	2017-	Project Scientist, Cedars-Sinai Medical Center
	2016-2016	Clinical Innovation Intern, Omada Health
	2012-2017	Graduate Research Assistant, USC
	2014-2014	Graduate Teaching Assistant, USC
	2011-2012	Graduate Research Assistant, University of Michigan
	2011-2011	Supplemental Instructor, University of Michigan
	2010-2010	Research Intern, William Beaumont Hospital
	2009-2010	Research Assistant, Wayne State University
<b>Professional Affiliations:</b>	2010-	American Psychological Association
	2013-	International Society of Behavioral Nutrition and Physical Activity
	2013-	Society of Behavioral Medicine
	2014-	Southwest Chapter of the American College of Sports Medicine
	2015-	The Obesity Society
<b>Journal Reviews:</b>	2014	International Journal of Health Geographics
	2014	Evaluation and the Health Professions
	2014	BMC Public Health
	2015	BioMed Research International
	2015	Archives of Public Health
	2016	Annals of Behavioral Medicine
<b>Honors &amp; Special Awards:</b>	2006-2010	WSU Presidential Scholarship
	2016	Young Investigator Travel Award
	2014	Wireless Health Student Travel Award
	2014	USC Scholar Symposium Award
	2017	SBM Meritorious Abstract Award
<b>Grants &amp; Fellowships:</b>	2015-2017	NIH/NCI, Cancer Control and Epidemiology Research Training Grant, (2T32CA009492, PI: Pentz)

**Research Focus**

Ecological Momentary Assessment and Intervention  
Compliance and factors affecting adherence to studies and interventions  
Design and development of novel interventions for health behaviors and patient outcomes  
Analysis of missing data and its effects on multi-level modeling for repeated measures designs

**CSMC Teaching Activities**

2018	Fundamentals of R (5-Course Pilot)
2017	Advanced Topics: Multilevel Modeling
2017	Using Ecological Momentary Assessment to Address Methodological Issues Affecting Measurement of Patient-Reported Outcomes
2017	Mentor, MPH Student, Liu, X.
2017	Mentor, MPH Student, Conovitz, S.
2017	Mentor, High School Student, Haass, S.

## Bibliography

### Research Papers (Peer Reviewed):

#### A. Published:

1. Thompson, J. B., **Dzubur, E.**, Wade, J., & Tomaszycski, M. (2011, July 15). The effects of estradiol on 17 $\beta$ -hydroxysteroid dehydrogenase type IV and androgen receptor expression in the developing zebra finch song system. *Brain Research*, 1401, 66-73.
2. Tomaszycski, M.L., **Dzubur, E.**, (2013, May 18th) 17 $\beta$ -Hydroxysteroid dehydrogenase Type IV, a Z-linked gene, is higher in females than in males in visual and auditory regions of developing zebra finches. *Brain Research*, 1520, 95-106.
3. Dunton, G. F., **Dzubur, E.**, Kawabata, K., Yanez, B., Bo, B., & Intille, S. (2014, February). Development of a smartphone application to measure physical activity using sensor-assisted self-report. *Frontiers in public health*, 2, e-pub.
4. **Dzubur, E.**, Li, M., Kawabata, K., Sun, Y., McConnell, R., Intille, S., Dunton, G.F. (2015, April). Design of a Smartphone Application to Monitor Stress, Asthma Symptoms, and Asthma Inhaler Use. *Annals of Allergy, Asthma, and Immunology* 114(4), 341.
5. Dunton, G. F., Liao, Y., **Dzubur, E.**, Leventhal, A., Huh, J., Gruenewald, T., Margolin, G., Koprowski, C., Tate, E., Intille, S. (2015, July). Investigating within-day and longitudinal effects of maternal stress on children's physical activity, dietary intake, and body composition: Protocol for the MATCH study. *Journal of Contemporary Clinical Trials*. 43, 142-154.
6. Dunton, G.F., **Dzubur, E.**, Intille, S., Li, M., Huh, J., McConnell, R. (2015, October). Momentary Assessment of Psychosocial Stressors, Context, and Asthma Symptoms in Hispanic Adolescents. *Behavior Modification*. 40(1-2), 257-280.
7. Dunton, G. F., **Dzubur, E.**, Intille, S., (2016, June). Feasibility and Performance Test of a Real-Time Sensor-Informed Context-Sensitive Ecological Momentary Assessment to Capture Physical Activity. *Journal of Medical Internet Research*, 18(6), e-pub.
8. Cerrada, C. J., Ra, C. K., Shin, H., **Dzubur, E.**, Huh, J. (2016, August). Using ecological momentary assessment to identify common smoking situations among Korean American emerging adults. *Prevention Science*, 17(7), 892-902.
9. Dunton, G. F., **Dzubur, E.**, Huh, J., Belcher, B. R., Maher, J. P., O'Connor, S., & Margolin, G. (2016, August). Daily Associations of Stress and Eating in Mother-Child Dyads. *Health Education & Behavior*, 44(3), 365-369.
10. Maher, J. P., Rhodes, R. E., **Dzubur, E.**, Huh, J., Intille, S., Dunton, G. F. (2017, Feb.) Momentary assessment of physical activity intention-behavior coupling in adults. *Translational Behavioral Medicine*, 1-10.
11. O'Connor, S.O., Koprowski, C., **Dzubur, E.**, Leventhal, A., Huh, J., Dunton, G.F. (2017, Apr.). Differences in mothers' and children's dietary intake during physical and sedentary activities: an ecological momentary assessment (EMA) study. *Journal of the Academy of Nutrition and Dietetics*, 117(8), 1265-1271.

12. Maher, J. P., **Dzubur, E.**, Huh, J., Intille, S., Dunton, G. F. (August, 2016). Within-day time-varying associations between behavioral cognitions and physical activity in adults. *Journal of Sport & Exercise Psychology*, 38(4), 423-434.
13. **Dzubur, E.**, Dunton G.F., Huh, J., Maher, J., Intille, S. (January, 2018) Response Patterns and Intra-Dyadic Predictors of Compliance to Ecological Momentary Assessment Among Mothers and Children. *Translational Behavioral Medicine*
14. O'Connor, S. G., Ke, W., **Dzubur, E.**, Schembre, S., Dunton, G. F., (January, 2018) Concordance and predictors of concordance of children's dietary intake as reported via Ecological Momentary Assessment (EMA) and 24-hour recall. *Public Health Nutrition*.
15. Maher, J. P., **Dzubur, E.**, Nordgren, R. Huh, J., Chou, C. P., Hedeker, D., Dunton, G. F. (January, 2018). Do fluctuations in positive affective and physical feeling states predict physical activity and sedentary time? *Psychology of Sport and Exercise*.

B. In Press

None

C. Submitted

1. Dunton, G. F., **Dzubur, E.**, Huh, J., Leventhal, A. M., Margolin, G., Belcher, B., Maher, J., O'Connor, S., Intille, S. How daily stress is related to purposeful exercise and sedentary screen behaviors in mother-child dyads: An Ecological Momentary Assessment study. Submitted. *International Journal of Behavioral Nutrition and Physical Activity*.
2. Wen, C.K.F., Liao Y., Maher, J. P., Huh, J., Belcher, B.R., **Dzubur, E.**, Dunton, G.F. The Acute Bidirectional Relationships of Children's Affective States and Physical Activity and Sedentary Behavior: The Moderating Role of Chronic Stress. Submitted. *Health Psychology*
3. Zink, J., Belcher, B.R., **Dzubur, E.**, Ke, W., Huh, J., O'Connor, S., Maher, J., Lopez, N., Dunton, G. Comparing Children's Ecological Momentary Assessment-Reported Leisure Time Physical Activity and Sedentary Screen Behavior with an Accelerometer-Based Measure. Submitted. *Pediatric Exercise Science*.
4. Dunton, G.F., Ke, W., **Dzubur, E.**, O'Connor, S.G., Lopez, N., Margolin, G. Within-subject effects of stress on weight-related parenting practices in mothers: An Ecological Momentary Assessment study. *Annals of Behavioral Medicine*, submitted. 2017.
5. Dunton, G. F., **Dzubur, E.**, Huh, J., Leventhal, A. M., Margolin, G., Belcher, B., Maher, J., O'Connor, S., Intille, S., Spruijt-Metz, D. New methods and technologies to study physical activity and diet: Recommendations for cancer research in the Americas. *Journal Revistade Salud Pública de Mexico*. Submitted, 2017.
6. **Dzubur, E.**, Khalil, C., Almario, C. V., Noah, B., Minhas, D., Ishimori, M., Arnold, C., Park, J., Kay, J., Weisman, M.H., Spiegel, B.M.R. Patient Knowledge, Attitudes, and Beliefs Regarding Biologic Therapies in Ankylosing Spondylitis: Insights from a

Large-Scale Analysis of Social Media Platforms. Submitted. *Arthritis & Rheumatology*.

Research Papers (Non-Peer Reviewed):

D. Published

None

E. In Press

None

F. Submitted

None

Chapters:

None

Letters to the Editor:

None

Reviews:

None

Editorials:

None

Papers in Preparation:

1. **Dzubur, E.**, Dunton, G.F., Allen, M., Truong, J., Kawabata, K., Cockburn, M. Using Wearable Sensors to Examine Ultraviolet Exposure During Physical Activity Among Adolescents: A Pilot Study. In preparation.
2. **Dzubur, E.**, et. al. A compositional analysis of the effects of activity and sleep on patient-reported outcomes. In preparation.
3. Joung, S., **Dzubur E.**, et. al., Case Report: Remote Monitoring with Patient-Reported Informatic Metrics. In Preparation.
4. **Dzubur, E.**, Belcher, B., Keadle, S., Dunton, G.F. et. al. Differences and associations between novel fitness metrics and standard demographic and obesity-related outcomes.
5. **Dzubur, E.**, et. al. Modeling study burden and participant fatigue in ecological momentary protocols with survey metadata. In preparation.
6. **Dzubur, E.**, et. al. The associations between energy intake and expenditure behaviors and compliance to ecological momentary assessment protocols designed to measure energy-balance behaviors.
7. **Dzubur, E.**, et. al. Reactivity to a longitudinal smartphone-based time-intensive physical activity assessment.

Abstracts:

A. Presentations

1. **Dzubur, E.**, Dunton, G., (2013, May 6th). *EMA and You: Assessing Antecedents to Asthma Attacks in Adolescents*. Presentation at Teaching With Technology Conference, University of Southern California, Los Angeles, CA.
2. **Dzubur, E.** (2014, November). *Analysis of variance: a comprehensive overview*. Invited lecture by the Health Behavior Research Students' Association, University of Southern California, Los Angeles, CA.
3. **Dzubur, E.**, Liao, Y., Pentz, M. Dunton, G. F., (2014, March 12) *Measuring Perceived Environments through Ecological Momentary Assessment: Correspondence with Objective GIS Indicators*. Oral presentation at the Active Living Research annual conference. San Diego, CA.
4. Dunton, G. F., **Dzubur, E.**, Kawabata, K., Bo, B., Intille, S. (2014, April). *Development of a smartphone application to measure physical activity using sensor-informed end of day recall*. 2014. Paper presentation at the 35th Annual Meeting and Scientific Sessions of the Society for Behavioral Medicine. April. Philadelphia, PA.
5. Dunton, G. F., **Dzubur, E.**, Kawabata, K., Bo, B., Intille, S. (2014, April). *Development of a smartphone application to measure physical activity using sensor-*

*driven Context-Sensitive Ecological Momentary Assessment*. Paper presentation at the 35th Annual Meeting and Scientific Sessions of the Society for Behavioral Medicine. April. Philadelphia, PA.

6. **Dzubur, E.**, Liao Y., Dunton G. F. (2014, May). *Longitudinal Relationships Between Physical Activity Enjoyment and Behavior Differ Between Women and Men*. Oral presentation at the meeting of the International Society for Behavioral Nutrition and Physical Activity, San Diego, CA.
7. Liao, Y., **Dzubur, E.**, Dunton, G. F. (2015, April). *Using a Smartphone Application to Capture Sedentary Behavior and Multitasking among Adolescents*. Paper presentation at the 36th Annual Meeting and Scientific Sessions of the Society for Behavioral Medicine. April. San Antonio, TX.
8. **Dzubur, E.**, Dunton, G. F. (2015, May). *Assessment of Physical Activity using Sensor-Assisted Recall and Sensor-Driven Real-time Surveys on Smartphones*. Oral presentation at the Diabetes & Obesity Research Institute (DORI) at the University of Southern California Student Seminar. Los Angeles, CA.
9. Dunton, G. F., **Dzubur, E.**, Intille, S. (2015, June) *A Smartphone Application to Measure Physical Activity using Sensor-Informed Context-Sensitive Ecological Momentary Assessment*. Oral presentation at the Society for Ambulatory Assessment Conference. Penn State, PA/USA.
10. Dunton, G. F., **Dzubur, E.**, Leventhal, A., Huh, J., Margolin, G., Gruenewald, T., Koprowski, C., Intille, S. (2015, June) *Momentary assessment of within-day relations of maternal stress and weight-related parenting practices*. Paper presentation at the Annual Meeting of the International Society for Behavioral Nutrition and Physical Activity. Edinburgh, Scotland.
11. **Dzubur, E.**, Huh, J., Intille, S., Dunton, G. F. (2016, April) *Affective and behavioral predictors of compliance to ecological momentary assessment protocols in physical activity studies*. Paper presentation at the 37th Annual Meeting and Scientific Sessions of the Society for Behavioral Medicine, Washington DC.
12. Cerrada, C., Ra, C., Shin, H., **Dzubur, E.**, Huh, J. (2016, April) *Using ecological momentary assessment to identify common smoking situations among young Korean American smokers*. Paper presentation at the 37th Annual Meeting and Scientific Sessions of the Society for Behavioral Medicine, Washington DC.
13. Dunton, G. F., **Dzubur, E.**, Leventhal, A. M., Maher, J., Margolin, G., Belcher, B., Huh, J. (2016, June) *Intra-dyadic relations of daily stress with physical activity and sedentary behavior among mothers and children: An Ecological Momentary Assessment Study*. Paper presentation at the International Society for Behavioral Nutrition and Physical Activity Conference. Capetown, South Africa.
14. Wen, C.K.F., Liao, Y., Huh, J., Belcher, B.R., **Dzubur, E.**, Leventhal, A., Dunton, G.F. (2017, March) *Parental Stress Moderates the Bi-directional Relationship of Mood and Children's Physical Activity*. Paper presentation at the 38th Annual Meeting and Scientific Sessions of the Society of Behavioral Medicine, San Diego, CA/USA.



15. **Dzubur, E.** (2017, June) *Modeling study burden and participant fatigue in ecological momentary assessment protocols with survey metadata*. Symposium presentation at the International Conference on Ambulatory Monitoring of Physical Activity and Movement. Bethesda, MD/USA.
16. **Dzubur, E.**, Intille, S., Dunton, G. F. *Reactivity to a longitudinal smartphone-based time-intensive physical activity assessment*. To be presented as a paper at the 38th Annual Meeting and Scientific Sessions of the Society for Behavioral Medicine. New Orleans, LA.
17. Dunton, G.F., Hedeker, D., **Dzubur, E.** *MIXWILD: A new freeware program for multilevel statistical modeling of intensive longitudinal data*. To be presented as a seminar at the 38th Annual Meeting and Scientific Sessions of the Society for Behavioral Medicine. New Orleans, LA.

#### B. Posters

1. Thompson, J. B., **Dzubur, E.**, & Tomaszycski, M. (2009). *The contribution of genes and hormones to the sexual differentiation of the zebra finch song system*. Poster session presented at the Society for Behavioral Neuroendocrinology Conference, Toronto, Canada and the Psychology Department Graduate Research Poster Day, Wayne State University, Detroit, MI.
2. Dunton, G. F., **Dzubur, E.**, Intille, S., McConnell, R., Li, M. (2014, May). *Stress and physical activity in children with asthma: An Ecological Momentary Assessment study*. Poster presentation at the International Society for Behavioral Medicine and Physical Activity Conference. San Diego, CA.
3. **Dzubur, E.**, Intille, S., Dunton, G.F. (2014, October). *Capturing contextual information about sports and exercise using Ecological Momentary Assessment*. Poster presentation at the Annual Meeting of the Southwest Chapter of the American College of Sports Medicine.
4. **Dzubur, E.**, Pentz, M.A., Intille, S., Dunton, G.F. (2015, February). *Investigating the Impact of a Smart Growth Community on Adult Physical Activity Contexts Using Ecological Momentary Assessment*. Poster presentation at the Active Living Research annual conference. San Diego, CA.
5. **Dzubur, E.**, Intille, S., Dunton, G. F. (2015, April). *Comparing Energy Expenditure from Ecological Momentary Assessment and Sensor-Informed Recall*. Poster presentation at the 36th Annual Meeting and Scientific Sessions of the Society for Behavioral Medicine. San Antonio, TX.
6. **Dzubur, E.**, Jones, M., Huh, J. (2015, April). *Relationship Between Smoking Behavior and Activity Space in Korean American Young Adults*. Poster presentation at the 36th Annual Meeting and Scientific Sessions of the Society for Behavioral Medicine. San Antonio, TX.
7. Huh, J., **Dzubur, E.**, Cerrada, C., Ku, J., & Klasnja, P. (2015, July). *Building a Just-in-Time, Adaptive Cessation Intervention for Korean American Emerging Adult Smokers*. 2015 Poster presentation at the Center for Advancing Longitudinal Drug Abuse Research (CALDAR) Summer Institute, Marina del Rey, CA/USA.

8. O'Connor, S., Koprowski, C., **Dzubur, E.**, Huh, J., Dunton, G. F. (2015, November) *Use of Ecological Momentary Assessment (EMA) to Assess Co-Occurring Physical Activity Behaviors and Food Choices in Mothers and Children*. Post presentation at The Obesity Society's Annual Scientific Meeting Obesity Week. Los Angeles, CA.
9. Dunton, G. F., **Dzubur, E.**, Liao, Y., Leventhal, A. M., Huh, J., Margolin, G., Gruenewald, T., Koprowski, C., Intille, S. (2015, November) *Using Ecological Momentary Assessment to examine the association between maternal stress and children's body composition*. Poster presentation at The Obesity Society Annual Meeting, Los Angeles, CA/USA.
10. O'Connor, S., Huh, J., Leventhal, A., **Dzubur, E.**, Koprowski, C., Dunton, G. (2016, April) *Momentary Assessment of the Association of Stress and Affect on Dietary Intake in Children*. Poster presentation at the 37th Annual Meeting and Scientific Sessions of the Society for Behavioral Medicine. Washington, DC.
11. Huh, J., Shin, HS., **Dzubur, E.**, Cerrada, C., & Chou, CP. (2016) *Reliability of Intensive, Repeated Measures in Context-Dependent, Multi-Language Setting*. Poster presentation at the Society for Prevention Research. San Francisco, CA.
12. Belcher, B.R., Huh J., **Dzubur E.**, Dunton G.F. (2016, June) *Interruptions in sedentary time are associated with adiposity in a sample of free-living children*. Poster presentation at the International Society for Behavioral Nutrition and Physical Activity Conference. Capetown, South Africa.
13. Zink, J., Belcher, B., **Dzubur, E.**, Ke, W., & Dunton G.F. (2016, November) *Comparing Children's Ecological Momentary Assessment-Reported Physical Activity with an Accelerometer-Based Measure of Physical Activity*. Poster presentation at the ILSI Tech Summit on Innovative Tools for Assessing Diet & Physical Activity for Health Promotion. San Diego, CA.
14. **Dzubur, E.**, Belcher, B., Huh, J., & Dunton G.F. (2016, November) *Age, gender, and ethnic differences in sedentary behavior bouts among children*. Poster presentation at the ILSI Tech Summit on Innovative Tools for Assessing Diet & Physical Activity for Health Promotion. San Diego, CA.
15. Puga-Aragon, V., Sarina, K., Yu, S., Cerrada, C.J., Colao, K., **Dzubur, E.**, Huh, J. (2017, March) *Descriptive assessment of implementation intentions in a mobile ecological momentary intervention for smoking cessation*. Poster presentation at the 38th Annual Meeting and Scientific Sessions of the Society of Behavioral Medicine, San Diego, CA/USA.
16. Redline, B., Lam, C. N., Henwood, B. F., Rhoades, H., Intille, S., **Dzubur, E.**, Dunton, G. F. (2017, March). Feasibility of using ecological momentary assessment with low-income Latino adults experiencing serious mental illness. Poster presentation at the 38th Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine (SBM), San Diego, CA.
17. **Dzubur, E.**, O'Connor, S., Margolin, G., Dunton, G.F. (2017, March) *Differential effects of the company of mothers versus fathers on physical activity and sedentary*

*behavior in boys and girls.* Poster presentation at the 38th Annual Meeting and Scientific Sessions of the Society of Behavioral Medicine, San Diego, CA/USA.

18. Minhas, D., Noah, B., **Dzubur, E.**, Almario, C. V., Ishimori, M., Corey, A., Howard, A., Khalil, C, Jusufagic, A., Chen, M., Park, J., Weisman, H.M., Spiegel, B.M.R. (2017, November). *Patient Knowledge, Attitudes, and Beliefs Regarding Biologic Therapies in Ankylosing Spondylitis: Insights from a Large-Scale Analysis of Social Media Platforms.* Poster presentation at the 2017 American College of Rheumatology Annual Meeting, San Diego, CA/USA.