

Tyson Stanley Barrett

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EDUCATION

Ph.D. Quantitative Psychology , Utah State University	December 2017
B.S. Economics , Jon M. Huntsman School of Business, Utah State University, <i>Cum Laude</i>	May 2014
B.S. Psychology , Utah State University, <i>Cum Laude</i>	May 2014

EMPLOYMENT

Research Assistant , Prevention Lab, Utah State University	2016 – Present
Instructor , R for the Social Sciences (PSY 7810), Utah State University	2015 – Present
Statistical and Data Science Consultant , Utah State University	2015 – Present
Research Assistant , Veterans Affairs WOC, Salt Lake City	2015 – Present
Research Assistant , NCHAM, Utah State University	2014 – 2016
Teaching Assistant , Psychological Statistics, Utah State University	2014 – 2015

RESEARCH FIELDS

Primary: Prevention Science, Adolescent Health
Secondary: Data Science, Applied Statistical Learning

PUBLISHED WORKS

Barrett, T.S. & White, K.R. (2016). Prevalence and Trends of Childhood Hearing Loss Based on Federally-funded National Surveys: 1998 – 2013. *JEHDI*. Under Review.

Fargo, J.D., Brignone, E., Metraux, S., Peterson, R., Carter, M.E., **Barrett, T.**, Palmer, M., Redd, A., Samore, M.H., & Gundlapalli, A.V. Homelessness Following Disability-Related Discharges from Active Duty Military Service in Afghanistan and Iraq. *American Journal of Public Health*. Under Review.

Behl, D., White, K., **Barrett, T.**, Blaiser, K., Callow-Heusser, C., & Croshaw, T. (2016). Evaluating the Benefits of Early Intervention via Internet-based Two-way Videoconferencing. *ASHA*. Under Review.

Long, E., **Barrett, T.S.**, & Lockhart, G. Friendship Networks and Adolescent Health-Risk and Health-Protective Behavior. *Health Psychology*. Under Review.

Borrie, S.A., Lansford, K.L., & **Barrett, T.S.** (2016). Rhythm perception and its role in perception and learning of dysrhythmic speech. *Journal of Speech, Language, and Hearing Research*. Accepted Aug 2016.

Munoz, K., Rusk, S.E.P., Nelson, L., Preston, E., White, K.R., **Barrett, T.S.** & Twohig, M.P. (2016). Pediatric Hearing Aid Management: Parent Reported Needs for Learning Support. *Ear and Hearing Journal*. Accepted Feb. 2016.

Borgogna, N., Lockhart, G., Grenard, J, **Barrett, T.**, Shiffman, S. & Reynolds, K. (2015). Ecological Momentary Assessment of Urban Adolescents' Technology Use and Cravings for Unhealthy Snacks and Drinks: Differences by Ethnicity and Sex. *Journal of the Academy of Nutrition and Dietetics*, 115(5), 759-766.

PRESENTATIONS

Brignone, E., Gundlapalli, A.V., **Barrett, T.S.**, Blais, R.K., Nelson, R.E., Carter, M.E., Kimerling, R., Samore, M.H., Fargo, J.D., Cost of Care among Male and Female Veterans with a Positive Screen for Military Sexual Trauma. Poster presented at the *2016 Annual Meeting of the International Conference of Psychology*, Yokohama, Japan.

Barrett, T.S., Munoz, K. & White, K. How well do parent report hearing loss in their children? Poster presented at the *2016 Early Hearing Detection and Intervention Conference*, San Diego, CA.

Barrett, T.S., Munoz, K. & White, K. Accounting for Temporary Loss in National Studies on Hearing Loss. Poster presented at the *2016 Early Hearing Detection and Intervention Conference*, San Diego, CA.

Barrett, T.S., Munoz, K. & White, K. An Evaluation of Early Intervention delivered via Video Conferencing. Poster presented at the *2016 Early Hearing Detection and Intervention Conference*, San Diego, CA.

Barrett, T.S., Nelson, R. & Stevens, V. Distribution and Daily Cost of Care in a Pediatric Hospital. Oral presentation to the Pediatric Guidance Council of Intermountain Healthcare, Salt Lake City, UT.

Barrett, T.S., Munoz, K. & White, K. Refinements to estimating prevalence of hearing loss in children. Poster presented at the *2015 Utah State University Research Symposium*, Logan, UT.

Barrett, T.S., Prante, M., Peterson, R., Fargo, J.D., Pyle, N. Predictors of employability amongst homeless youth. Poster presented at the *2014 Psi-Chi Undergraduate Research Conference at Idaho State University*, Pocatello, ID.

Barrett, T.S., Holland, D. Nascent Entrepreneurship, Impulsivity, and Self-Efficacy. Poster presented at the *2014 Research on Capitol Hill*, Salt Lake City, UT.

Holland, D., **Barrett, T.S.** Impulsivity in young entrepreneurs. Round table discussion at the 2013 Babson Business Conference, Paris, France.

MANUSCRIPTS IN PREPARATION

Brignone, E., Gundlapalli, A.V., **Barrett, T.S.,** Blais, R.K., Nelson, R.E., Carter, M.E., Kimerling, R., Samore, M.H., Fargo, J.D. (2016). *Increased Health Care Utilization and Costs Among Male and Female Veterans with a Positive Screen for Military Sexual Trauma*. Manuscript in preparation.

Barrett, T.S., Nelson, R., & Stevens, V. Predictors of Daily Cost of Pediatric Care. Manuscript in preparation.

Barrett, T.S. & Lockhart, G. Analyzing Ecological Momentary Assessment with Random Forests. Manuscript in preparation.

Barrett, T.S., Doutre, S., & White, K.. Temporal Trends in Childhood Hearing Loss. Manuscript in preparation.

Barrett, T.S., Doutre, S., Munoz, K., & White, K. Self and Parent Report Accuracy of Childhood Hearing Loss. Manuscript in preparation.

Doutre, S., **Barrett, T.S.,** & White, K. Knowledge of CMV in the United States. Manuscript in preparation.

OTHER PROJECTS IN PROCESS

“furniture” R package

Contains functions to help with several aspects of research in the health, behavioral, and social sciences. Several help create summary tables for academic publication as well as data cleaning tools, two-part modeling, and functions to obtain the average marginal effects of generalized linear models. The name comes from the fact that there are two table functions, a washer function, a frames function, and tp functions.

AFFILIATIONS

- Society for Prevention Research since 2016
- International Association for Feminist Economics since 2016

AWARDS

- Dean’s Scholarship (full tuition for two years)
- Dean’s List
- Eagle Scout Award
- Graduate Assistantship
- Best Poster Presentation (Psi-Chi Undergraduate Conference)