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Area of Expertise

I am interested in the identification of developmental processes through which one's risk for alcohol problems is maintained, intensified, or ameliorated throughout the life span using longitudinal, experimental, and intervention data. In recent years, I have focused on utilizing innovative methodological approaches (e.g., item response theory analysis, multivariate meta-analysis) to alcohol intervention trials to preserve and extend their shelf life and help guide health decisions.

My current R01 project involves collaboration with a large team of independent trial developers and evaluators to systematically review and analyze all available data—study-level aggregate data and item-level participant data. This line of investigation is aimed at providing authoritative answers to questions that are best addressed by large-scale data.

Qualifications

PhD in Developmental Psychology, Michigan State University

BA in Psychology, Yonsei University

MA in Developmental Psychology, Yonsei University

Recent Publications

Does abstaining from alcohol in high school moderate intervention effects for college students? Implications for tiered intervention strategies

Tan, L., Friedman, Z., Zhou, Z., Huh, D., White, H. R. & Mun, E. Y., 30 Nov 2022, In: *Frontiers in Psychology*. 13, 993517.

Development and preliminary effectiveness of a smartphone-based, just-in-time adaptive intervention for adults with alcohol misuse who are experiencing homelessness

Walters, S. T., Mun, E. Y., Tan, Z., Lunningham, J. M., Hébert, E. T., Oliver, J. A. & Businelle, M. S., Sep 2022, In: *Alcoholism: Clinical and Experimental Research*. 46, 9, p. 1732-1741 10 p.

Change in alcohol demand following a brief intervention predicts change in alcohol use: A latent growth curve analysis

Gex, K. S., Acuff, S. F., Campbell, K. W., Mun, E. Y., Dennhardt, A. A., Borsari, B., Martens, M. P. & Murphy, J. G., Apr 2022, In: *Alcoholism: Clinical and Experimental Research*. 46, 8, p. 1525-1538 14 p.

A Structural Equation Modeling Approach to Meta-analytic Mediation Analysis Using Individual Participant Data: Testing Protective Behavioral Strategies as a Mediator of Brief Motivational Intervention Effects on Alcohol-Related Problems

Huh, D., Li, X., Zhou, Z., Walters, S. T., Baldwin, S. A., Tan, Z., Larimer, M. E. & Mun, E. Y., Apr 2022, In: *Prevention Science*. 23, 3, p. 390-402 13 p.

Do Brief Alcohol Interventions Reduce Driving After Drinking Among College Students? A Two-step Meta-analysis of Individual Participant Data

Mun, E. Y., Li, X., Lineberry, S., Tan, Z., Huh, D., Walters, S. T., Zhou, Z. & Larimer, M. E., 1 Jan 2022, In: *Alcohol and Alcoholism*. 57, 1, p. 125-135 11 p.

A Randomized Pilot Trial of a Mobile Delivered Brief Motivational Interviewing and Behavioral Economic Alcohol Intervention for Emerging Adults

Gex, K. S., Mun, E. Y., Barnett, N. P., McDevitt-Murphy, M. E., Ruggiero, K. J., Thurston, I. B., Olin, C. C., Voss, A. T., Withers, A. J. & Murphy, J. G., 2022, (Accepted/In press) In: *Psychology of Addictive Behaviors*.

A Tutorial on Cognitive Diagnosis Modeling for Characterizing Mental Health Symptom Profiles Using Existing Item Responses

Tan, Z., de la Torre, J., Ma, W., Huh, D., Larimer, M. E. & Mun, E. Y., 2022, (Accepted/In press) In: *Prevention Science*.

Brief Alcohol Interventions are Effective through 6 Months: Findings from Marginalized Zero-inflated Poisson and Negative Binomial Models in a Two-step IPD Meta-analysis

Mun, E. Y., Zhou, Z., Huh, D., Tan, L., Li, D., Tanner-Smith, E. E., Walters, S. T. & Larimer, M. E., 2022, (Accepted/In press) In: Prevention Science.

Examining the viewing pattern of Web-delivered personalized feedback interventions aimed at reducing alcohol-related risky sexual behavior among young adults

Li, X., Lewis, M. A., Fairlie, A. M., Larimer, M. E. & Mun, E. Y., 2022, (Accepted/In press) In: Journal of American College Health.

Protective behavioral strategies are more helpful for avoiding alcohol-related problems for college drinkers who drink less

Li, X., Clarke, N., Kim, S. Y., Ray, A. E., Walters, S. T. & Mun, E. Y., 2022, In: Journal of American College Health. 70, 5, p. 1493-1499 7 p.

Sponsored Projects

Development and Testing of a Just-in-Time Adaptive Smart Phone Intervention to Reduce Drinking among Homeless Adults

Walters, S. & Mun, E.

NIAAA: Alcohol Abuse and Alcoholism

15/06/18 → 31/05/20

Estimating Comparative Effectiveness of Alcohol Interventions for Young Adults

Mun, E., Suzuki, S., Walters, S. & Zhou, Z.

NIAAA: Alcohol Abuse and Alcoholism

1/01/18 → 30/04/22

ESTIMATING COMPARATIVE EFFECTIVENESS OF ALCOHOL INTERVENTIONS FOR YOUNG ADULTS

MUN, E. & Mun, E.

20/04/10 → 31/03/12

Innovative Analyses of Alcohol Intervention Trials for College Students

Mun, E., MUN, E., MUN, E. & MUN, E.

National Institute on Alcohol Abuse and Alcoholism

20/04/10 → 30/04/22

Optimizing Brief Alcohol Interventions for Young Adults via Computational Methods

MUN, E. & Mun, E.

National Institute on Alcohol Abuse and Alcoholism

1/06/21 → 31/05/23