

Donna Matheson

- Senior Research Scientist, Medicine - Stanford Prevention Research Center
- Affiliate, Pediatrics - General Pediatrics

Bio

ACADEMIC APPOINTMENTS

- Senior Research Scientist, Medicine - Stanford Prevention Research Center

Research & Scholarship

CLINICAL TRIALS

- Environmental Strategies & Behavior Change to Reduce Overeating in Obese Children, Not Recruiting

Publications

PUBLICATIONS

- **Ultra-processed food consumption and BMI-Z among children at risk for obesity from low-income households.** *Pediatric obesity*
Heerman, W. J., Sneed, N. M., Sommer, E. C., Truesdale, K. P., Matheson, D., Noerper, T. E., Samuels, L. R., Barkin, S. L.
2023: e13037
- **Reliability and validity of assigning ultraprocessed food categories to 24-h dietary recall data.** *The American journal of clinical nutrition*
Sneed, N. M., Ukwuani, S., Sommer, E. C., Samuels, L. R., Truesdale, K. P., Matheson, D., Noerper, T. E., Barkin, S. L., Heerman, W. J.
2023; 117 (1): 182-190
- **Are mobile phone ownership and age of acquisition associated with child adjustment? A 5-year prospective study among low-income Latinx children.** *Child development*
Sun, X., Haydel, K. F., Matheson, D., Desai, M., Robinson, T. N.
2022
- **Packaging and Scaling the Stanford Pediatric Weight Control Program: A Family-Based, Group, Behavioral Weight Management Program for Children with Obesity and Their Families: Background, Rationale, and Design of the Stanford CORD 3.0 Project.** *Childhood obesity (Print)*
Robinson, T. N., Matheson, D., Haydel, K. F., Flora, J., Desai, M.
2021; 17 (S1): S86-S92
- **A community-based, multi-level, multi-setting, multi-component intervention to reduce weight gain among low socioeconomic status Latinx children with overweight or obesity: The Stanford GOALS randomised controlled trial.** *The lancet. Diabetes & endocrinology*
Robinson, T. N., Matheson, D., Wilson, D. M., Weintraub, D. L., Banda, J. A., McClain, A., Sanders, L. M., Haskell, W. L., Haydel, K. F., Kapphahn, K. I., Pratt, C., Truesdale, K. P., Stevens, et al
2021
- **Applying the Behavior Change Technique Taxonomy to Four Multicomponent Childhood Obesity Interventions.** *Western journal of nursing research*
JaKa, M. M., Wood, C. n., Veblen-Mortenson, S. n., Moore, S. M., Matheson, D. n., Stevens, J. n., Atkins, L. n., Michie, S. n., Adegbite-Adeniyi, C. n., Olayinka, O. n., Po'e, E. K., Kelly, A. M., Nicastro, et al
2020: 193945920954782
- **Dietary patterns and associations with body mass index in low-income, ethnic minority youth in the United States according to baseline data from four randomized controlled trials.** *The British journal of nutrition*

LeCroy, M. N., Nicasastro, H. L., Truesdale, K. P., Matheson, D. M., levers-Landis, C. E., Pratt, C. A., Jones, S. n., Sherwood, N. E., Burgess, L. E., Robinson, T. N., Yang, S. n., Stevens, J. n.

2020: 1–26

- **Recruitment strategies for predominantly low-income, multi-racial/ethnic children and parents to 3-year community-based intervention trials: Childhood Obesity Prevention and Treatment Research (COPTR) Consortium.** *Trials*
Cui, Z., Truesdale, K. P., Robinson, T. N., Pemberton, V., French, S. A., Escarfuller, J., Casey, T. L., Hotop, A. M., Matheson, D., Pratt, C. A., Lotas, L. J., Po'e, E., Andrisin, et al
2019; 20 (1): 296
- **Snacking characteristics and patterns and their associations with diet quality and BMI in the Childhood Obesity Prevention and Treatment Research Consortium.** *Public health nutrition*
LeCroy, M. N., Truesdale, K. P., Matheson, D. M., Karp, S. M., Moore, S. M., Robinson, T. N., Berge, J. M., Nicasastro, H. L., Thomas, A. J.
2019: 1–11
- **Baseline diet quality of predominantly minority children and adolescents from households characterized by low socioeconomic status in the Childhood Obesity Prevention and Treatment Research (COPTR) Consortium.** *BMC nutrition*
Truesdale, K. P., Matheson, D. M., JaKa, M. M., McAleer, S., Sommer, E. C., Pratt, C. A.
2019; 5: 38
- **Beyond the dinner table: who's having breakfast, lunch and dinner family meals and which meals are associated with better diet quality and BMI in pre-school children?** *PUBLIC HEALTH NUTRITION*
Berge, J. M., Truesdale, K. P., Sherwood, N. E., Mitchell, N., Heerman, W. J., Barkin, S., Matheson, D., Levers-Landis, C. E., French, S. A.
2017; 20 (18): 3275–84
- **Reporting of treatment fidelity in behavioural paediatric obesity intervention trials: a systematic review.** *Obesity reviews*
JaKa, M. M., Haapala, J. L., Trapl, E. S., Kunin-Batson, A. S., Olson-Bullis, B. A., Heerman, W. J., Berge, J. M., Moore, S. M., Matheson, D., Sherwood, N. E.
2016
- **Deconstructing interventions: approaches to studying behavior change techniques across obesity interventions.** *Translational behavioral medicine*
Tate, D. F., Lytle, L. A., Sherwood, N. E., Haire-Joshu, D., Matheson, D., Moore, S. M., Loria, C. M., Pratt, C., Ward, D. S., Belle, S. H., Michie, S.
2016; 6 (2): 236-243
- **Effects of Varying Epoch Lengths, Wear Time Algorithms, and Activity Cut-Points on Estimates of Child Sedentary Behavior and Physical Activity from Accelerometer Data.** *PloS one*
Banda, J. A., Haydel, K. F., Davila, T., Desai, M., Bryson, S., Haskell, W. L., Matheson, D., Robinson, T. N.
2016; 11 (3)
- **Environmental strategies for portion control in children.** *Appetite*
Robinson, T. N., Matheson, D. M.
2015; 88: 33-38
- **Visual illusions and plate design: the effects of plate rim widths and rim coloring on perceived food portion size** *INTERNATIONAL JOURNAL OF OBESITY*
McClain, A. D., van den Bos, W., Matheson, D., Desai, M., McClure, S. M., Robinson, T. N.
2014; 38 (5): 657-662
- **Family, community and clinic collaboration to treat overweight and obese children: Stanford GOALS-A randomized controlled trial of a three-year, multi-component, multi-level, multi-setting intervention.** *Contemporary clinical trials*
Robinson, T. N., Matheson, D., Desai, M., Wilson, D. M., Weintraub, D. L., Haskell, W. L., McClain, A., McClure, S., A Banda, J., Sanders, L. M., Haydel, K. F., Killen, J. D.
2013; 36 (2): 421-435
- **A Randomized Controlled Trial of Culturally Tailored Dance and Reducing Screen Time to Prevent Weight Gain in Low- Income African American Girls** *ARCHIVES OF PEDIATRICS & ADOLESCENT MEDICINE*
Robinson, T. N., Matheson, D. M., Kraemer, H. C., Wilson, D. M., Obarzanek, E., Thompson, N. S., Alhassan, S., Spencer, T. R., Haydel, K. F., Fujimoto, M., Varady, A., Killen, J. D.
2010; 164 (11): 995-1004

- **Stanford GEMS phase 2 obesity prevention trial for low-income African-American girls: Design and sample baseline characteristics** *CONTEMPORARY CLINICAL TRIALS*
Robinson, T. N., Kraemer, H. C., Matheson, D. M., Obarzanek, E., Wilson, D. M., Haskell, W. L., Pruitt, L. A., Thompson, N. S., Haydel, K. F., Fujimoto, M., Varady, A., McCarthy, S., Watanabe, et al
2008; 29 (1): 56-69
- **Effects of fast food branding on young children's taste preferences** *ARCHIVES OF PEDIATRICS & ADOLESCENT MEDICINE*
Robinson, T. N., Borzekowski, D. L., Matheson, D. M., Kraemer, H. C.
2007; 161 (8): 792-797
- **Do Mexican-American mothers' food-related parenting practices influence their children's weight and dietary intake?** *JOURNAL OF THE AMERICAN DIETETIC ASSOCIATION*
Matheson, D. M., Robinson, T. N., Varady, A., Killen, J. D.
2006; 106 (11): 1861-1865
- **African-American girls' dietary intake while watching television** *OBESITY RESEARCH*
Matheson, D. M., Wang, Y., Klesges, L. M., Beech, B. M., Kraemer, H. C., Robinson, T. N.
2004; 12: 32S-37S
- **Relationship between physical activity and diet among African-American girls** *OBESITY RESEARCH*
Jago, R., Baranowski, T., Yoo, S., Cullen, K. W., Zakeri, I., Watson, K., Himes, J. H., Pratt, C., Sun, W. J., Pruitt, L. A., Matheson, D. M.
2004; 12: 55S-63S
- **Covariability in diet and physical activity in African-American girls** *OBESITY RESEARCH*
Thompson, D., Jago, R., Baranowski, T., Watson, K., Zakeri, I., Cullen, K. W., Story, M., Sherwood, N. E., Pruitt, L. A., Matheson, D. M.
2004; 12: 46S-54S
- **Children's food consumption during television viewing** *AMERICAN JOURNAL OF CLINICAL NUTRITION*
Matheson, D. M., Killen, J. D., Wang, Y., Varady, A., Robinson, T. N.
2004; 79 (6): 1088-1094
- **Evaluation of quality control procedures for 24-h dietary recalls: results from the Girls health Enrichment Multisite Studies** *PREVENTIVE MEDICINE*
Cullen, K. W., Watson, K., Himes, J. H., Baranowski, T., Rochon, J., Waclawiw, M., Sun, W., Stevens, M., Slawson, D. L., Matheson, D., Robinson, T. N.
2004; 38: S14-S23
- **Validity and reliability of a behavior-based food coding system for measuring fruit, 100% fruit juice, vegetable, and sweetened beverage consumption: results from the Girls Health Enrichment Multisite Studies** *PREVENTIVE MEDICINE*
Cullen, K. W., Himes, J. H., Baranowski, T., Pettit, J., Stevens, M., Slawson, D. L., Obarzanek, E., Murtaugh, M., Matheson, D., Sun, W., Rochon, J.
2004; 38: S24-S33
- **Dance and reducing television viewing to prevent weight gain in African-American girls: the Stanford GEMS pilot study.** *Ethnicity & disease*
Robinson, T. N., Killen, J. D., Kraemer, H. C., Wilson, D. M., Matheson, D. M., Haskell, W. L., Pruitt, L. A., Powell, T. M., Owens, A. S., Thompson, N. S., Flint-Moore, N. M., Davis, G. J., Emig, et al
2003; 13 (1): S65-77
- **Validity of children's food portion estimates - A comparison of 2 measurement aids** *ARCHIVES OF PEDIATRICS & ADOLESCENT MEDICINE*
Matheson, D. M., Hanson, K. A., McDonald, T. E., Robinson, T. N.
2002; 156 (9): 867-871
- **Household food security and nutritional status of Hispanic children in the fifth grade** *AMERICAN JOURNAL OF CLINICAL NUTRITION*
Matheson, D. M., Varady, J., Varady, A., Killen, J. D.
2002; 76 (1): 210-217
- **Preschool children's perceptions of food and their food experiences** *JOURNAL OF NUTRITION EDUCATION AND BEHAVIOR*
Matheson, D., Spranger, K., Saxe, A.
2002; 34 (2): 85-92
- **Is parental control over children's eating associated with childhood obesity? Results from a population-based sample of third graders** *OBESITY RESEARCH*

Robinson, T. N., Kiernan, M., Matheson, D. M., Haydel, K. F.
2001; 9 (5): 306-312

- **Ecologic study of children's use of a computer nutrition education program** *JOURNAL OF NUTRITION EDUCATION*
Matheson, D., Achterberg, C.
2001; 33 (1): 2-9
- **Content analysis of the use of fantasy, challenge, and curiosity in school-based nutrition education programs** *JOURNAL OF NUTRITION EDUCATION*
Matheson, D., Spranger, K.
2001; 33 (1): 10-16
- **Description of a process evaluation model for nutrition education computer-assisted instruction programs** *JOURNAL OF NUTRITION EDUCATION*
Matheson, D., Achterberg, C.
1999; 31 (2): 105-113