

# Active Projects Overview

The Michael & Susan Dell Center for Healthy Living has a robust portfolio of active research projects that are fueled by our faculty members' varied interests. At each project's core is a strong motivation to positively impact infant and child health behaviors and outcomes via evidence-based interventions.



## Brighter Bites

*Dr. Shreela Sharma*



brighterbites®

Routinely distributes fresh produce and nutritional education to predominantly low-income families, aiming to change eating habits and ultimately curb childhood obesity.



## Coordinated Approach To Child Health

*Drs. Steven Kelder, Deanna Hoelscher, Shreela Sharma, and Andrew Springer*



School-based health program that promotes physical activity and healthy food choices, and prevents tobacco use, with outreach managed under the CATCH Global Foundation.

### CATCH Healthy Smiles

*Dr. Shreela Sharma*



Hands-on curriculum that teaches students how brushing, flossing, dentist visits, and healthy dietary choices impact oral health.

### CATCH My Breath

*Dr. Steven Kelder*



E-cigarette prevention program for middle schoolers, developed as a rapid response to emerging vaping trends among teens.



## Coordinated State Evaluation for Maternal Infant and Early Childhood Home Visiting

*Dr. Dorothy Mandell*

Evaluates federally funded home visiting programs in Texas to understand the impact of mental health screenings and referrals by home visitors on families.



## Co-CREATE

*Dr. Deanna Hoelscher*



Prevents adolescent overweight and obesity through information and policy infrastructure that promotes the healthiest choices as the preferred ones.



## Community Health Workers for COVID Response: Evaluation of the HEART ATX Project

*Drs. Andrew Springer and Sandra van den Berg*

Evaluates HEART ATX, a CHW-led and Austin Public Health-hosted initiative addressing disparities in COVID-19 impacts through vaccination outreach and financial/health living programming.



## Depressive Symptoms and Tobacco Use Trajectories Across Young Adulthood

*Dr. Anna Wilkinson*

Studies if and how the role, strength, and/or direction of depressive symptoms in tobacco use trajectories and transitions vary among age subgroups across young adulthood (ages 18-34).



## Developmental Outcomes for Children with Critical Congenital Heart Defects

*Dr. Dorothy Mandell*

Assesses data matched between the birth defects registry, vital records, and Medicaid to lessen negative developmental outcomes seen in children with developmental delays and disorders.



## Digital Physical Activity and Diet (dPAD) Collaborative

*Dr. Deanna Hoelscher*



Unites researchers interested in addressing obesity, diet, and physical activity through research that is based in technology.



School-Based Health Programs



Physical Activity



Nutrition, Food Access, Obesity



Maternal & Child Health



Tobacco & Alcohol Abuse Prevention



Health Policy



Community Development





### **Double Up Food Bucks (DUFb) Texas Expansion Project**

*Dr. Sandra van den Berg*

Measures customer attitudes/behaviors and management/staff practices to evaluate DUFb statewide expansion's impact on nutritious food consumption and healthy food access.



### **Economic Evaluation of Austin Public Health Delivery System Reform Incentive Payment (DSRIP) Projects**

*Dr. Shelton Brown*

Determines the cost-benefit and/or cost-effectiveness of DSRIP projects in which Austin Public Health has participated.



### **Effect of E-cigarette and Hookah Use on Age of Asthma Onset in the USA**

*Dr. Adriana Pérez*

Studies the association between tobacco use and asthma onset age within the contemporary tobacco product landscape.



### **ENDS Use Trajectories, Adolescence through Young Adulthood: A Longitudinal Study of Risk Factors and Profiles (TATAMS 2.0)**

*Dr. Melissa Harrell*



Studies if and how the role, strength, and/or direction of depressive symptoms in tobacco use trajectories and transitions vary among subgroups across young adulthood.



### **Evaluating a Pilot of Developmental Screening and Referral by Community Health Workers**

*Dr. Dorothy Mandell*

Assesses the practicality and impact of Community Health Workers on the provision of developmental screening and service navigation support to families.



### **Evaluation of the Healthy Corner Store Initiative in Low-Income Communities**

*Dr. Sandra van den Berg*

Assesses the communication and key outcomes of the Healthy Corner Store Initiative being implemented in the 78744 and 78745 ZIP codes in Austin and Travis County.



### **Evaluation of the Preschool Development Grant, Birth to Five**

*Dr. Dorothy Mandell*

Strengthens the early childhood system in Texas by assessing needs and evaluating activities across five state agencies.



### **Healthy Behaviors for a Healthy Planet**

*Drs. Kevin Lanza and Sandra van den Berg*

Development and validation of a theory-based survey that assesses behaviors (meat reduction, active transportation) conducive to planetary health.



### **Healthy Mujeres**

*Dr. Divya Patel*

Provides pregnancy-related and preventive healthcare services to women in Texas' Rio Grande Valley through a mobile clinic model.



## Maternal and Child Health (MCH) Training Program

*Dr. Courtney Byrd-Williams*



Addresses geographic disparities in access to training for rural MCH professionals in the target areas of HRSA Region VI (TX, NM, OK, AR, and LA) and the Upper Peninsula of Michigan.



## Nourish

*Drs. Deanna Hoelscher and Shreela Sharma*



Encourages lifelong health with hands-on, evidence-based classes taught across its garden, kitchen, clinic, and community.

### Nourishing the Community Through Culinary Medicine

*Dr. Natalia Heredia*



Supports healthy eating through culinary medicine education.

### Teaching Kitchen Multisite Trial

*Drs. Deanna Hoelscher and Natalia Heredia*



Implements a teaching kitchen intervention for adults with obesity.



## Pediatric Cardiovascular Health: Improving Prediction & Causal Inference Models

*Dr. Augusto César Ferreira De Moraes*

Uses data from the Adolescent Brain Cognitive Development Study to assess the impact of social determinants on trajectories of various cardiovascular health components across adolescence.



## Perinatal Quality Collaborative CDC Grant

*Dr. Divya Patel*



Strengthens the capacity of the Texas Collaborative for Healthy Mothers and Babies to substantially impact perinatal health in Texas and the United States.



## Routes to Environmental Justice

*Dr. Kevin Lanza*

Studies the relationship between built environment changes from national program Safe Routes to School, children's heat stress, and their active commuting to school behaviors.



## Safe Babies

*Dr. Dorothy Mandell*



Supports positive parenting through evidence-based tools, including the Father's Playbook App, Parenting Action Plan, Family CARE Portfolio, and Pediatric Brain Health Network.



## Safe TRavel Environment Evaluation in Texas Schools (STREETS)

*Dr. Deanna Hoelscher*



Evaluates the Safe Routes to School Program implemented by the City of Austin to determine health and safety effects of infrastructure changes.



## Social Media, Acculturation, and E-cigarette Use Among Mexican-American College Students in Texas (Project VAMOS)

*Dr. Anna Wilkinson*

Examines social media related to e-cigarettes and the subsequent use of these devices among Mexican-American college students while considering the explanatory and modifying factors.



## South American Youth/Child Cardiovascular and Environmental (SAYCARE) Study

*Dr. Augusto César Ferreira De Moraes*

Provides higher accuracy regarding cardiovascular disease risk factors in children and adolescents from ages 3 to 17.



## Texas Collaborative for Healthy Mothers & Babies (TCHMB)

*Dr. Deanna Hoelscher*



Texas Collaborative for  
Healthy Mothers & Babies

Improves birth outcomes in Texas through collaboration with providers, scientists, birthing hospitals, and other community stakeholders seeking to advance healthcare quality, equity, and patient safety.



## Texas Mother-Friendly Worksite Technical Assistance and Support Program

*Dr. Courtney Byrd-Williams*



Provides Texas workplaces with the support and infrastructure needed to become a designated Texas Mother-Friendly Worksite.



## Texas Research-to-Policy Collaboration (TX RPC) Project

*Dr. Deanna Hoelscher*



Texas Research-to-Policy  
Collaboration Project

Optimizes the use of Texas research, data, and resources to assist legislators in developing effective health policies.



## Texas School Physical Activity (TX SPAN) Project

*Dr. Deanna Hoelscher*



Monitors health trends (diet, physical activity and sedentary behavior, oral health) in Texas school children at statewide, border county, and non-border county levels.



## Texas SNAP-Ed Evaluation

*Drs. Deanna Hoelscher and Nalini Ranjit*



Evaluates the effectiveness of SNAP-ed nutrition education and obesity prevention programming activities in Texas.



## Transforming Health Through Reimbursements for Community-Based Interventions

*Dr. Deanna Hoelscher*



Establishes interventions to increase the purchase, preparation, and consumption of fruits and vegetables by families with elementary students in Austin/Elgin afterschool programs.



## Using Machine Learning to Develop Just-In-Time Adaptive Interventions for Smoking Cessation

*Dr. Emily Hébert*

Evaluates feasibility and effectiveness of delivering a personalized, just-in-time adaptive intervention when machine learning predicts a risk of lapse in smoking cessation.



## Young Adult and Midlife Transitions in Physical Activity and Sedentary Behavior with Heart Failure Risk and Progression: Coronary Artery Risk Development in Young Adults (CARDIA)

*Dr. Emily Hébert*

Assesses the relationship between changes in reported physical activity from young adulthood to midlife and the prevalence of heart failure risk during midlife.