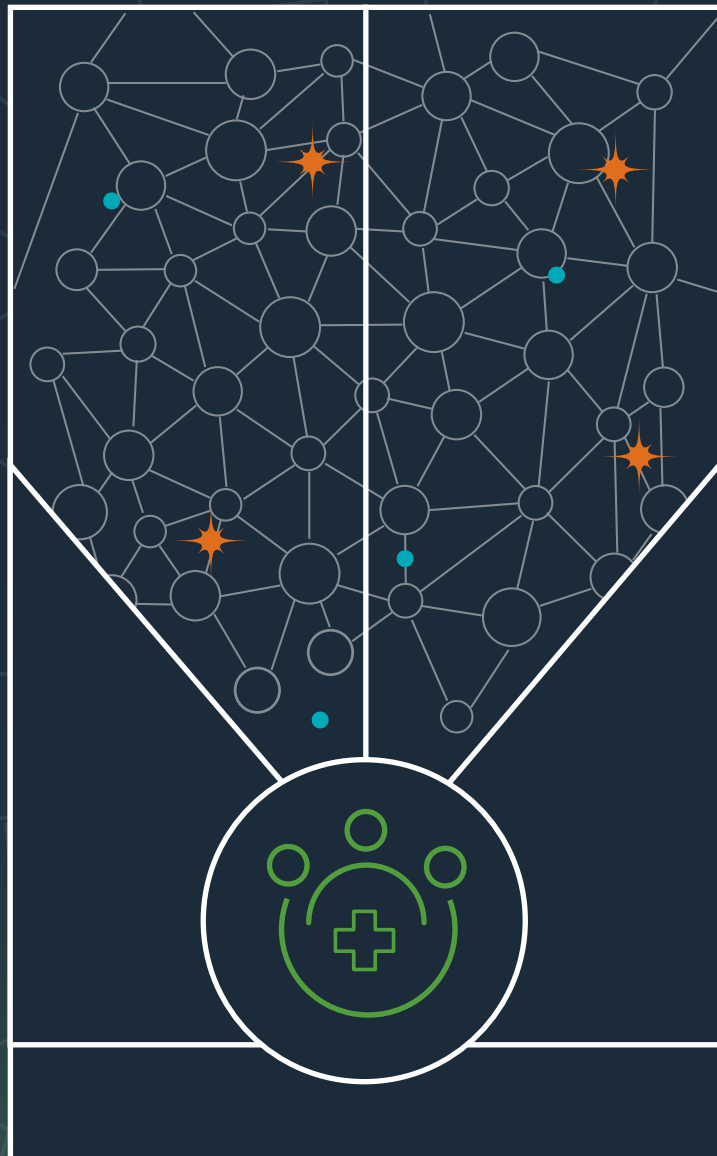


WHOLE COMMUNITIES WHOLE HEALTH

FISCAL YEAR 2026 ANNUAL REPORT



TEXAS

The University of Texas at Austin
Office of the Vice President for Research

WHOLE COMMUNITIES–WHOLE HEALTH FISCAL YEAR 2026 ANNUAL REPORT

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TRANSFORMING HEALTH THROUGH COMMUNITY-ENGAGED RESEARCH IS OUR GRAND CHALLENGE.

Eight years in, Whole Communities–Whole Health has reached a turning point. What began as an ambitious undertaking — bringing an unusually comprehensive set of measures to a study built with communities rather than conducted on them — is now a working model that is producing real findings. The University of Texas at Austin research grand challenge is focused on a fundamental question: What does it take to understand health holistically, not as an isolated variable but within the full context of people's lives, families, homes and communities? To answer this question, the grand challenge designed and launched a community cohort study, now in its fifth year, that places families from Del Valle, in southeast Austin, at the center of the work.

The study asks how the many forces shaping a family's health fit together: the air in their homes, the biological signals in their bodies, their relationships with each other — all in the context of their everyday life instead of in a lab. A challenge that large calls for a different kind of research relationship — one built on sustained partnership rather than short-term participation. The families who participate receive personalized data reports of their own environment and health, from air and water quality to sleep and physical activity, through a custom smartphone app.

This approach is now bearing fruit. Insights have begun to emerge on questions ranging from how indoor air leaves a chemical trace in the body to how the feeling of stress can register in a person's genes. Researchers examine these patterns at both the individual and neighborhood levels, assembling a fuller picture of what keeps families and communities well.

The reach extends beyond Central Texas. By showing that a long-term health study can be transparent, adaptable and accountable to the people it serves, Whole Communities–Whole Health offers a model others can follow — one in which communities are not subjects of research but partners in producing knowledge that supports healthier lives.



Del Valle Day 2025



Whole Communities–Whole Health
Community Strategy Team

WHOLE COMMUNITIES–WHOLE HEALTH HIGHLIGHTS IN NUMBERS

Expanding Networks

38 active
researchers

20 UT departments
& disciplines

9 schools &
colleges

14 external
partners

8 events hosted
over the past year

Engaging Students

33 undergraduate &
graduate student
researchers



Scholarly Output & Publicity

5 scholarly works published
over the past year
(acknowledging Whole Communities–
Whole Health support)

9 news articles over
the past year

Building Capacity

\$32.6M

awarded in external
funding to date

PROGRAM ACHIEVEMENTS

Cohort Study Participation

Behind every data point in the Whole Communities–Whole Health cohort study is a family that has opened its home — to sensors, surveys and a research team that returns month after month. That trust is the foundation of everything the study has achieved. Now in its fifth year, the study has moved from building infrastructure to generating insight. Early findings are already reshaping how researchers think about everyday health: that how stressed a person feels can register in their genes more powerfully than the stress hormone cortisol, and that a single lock of hair can hold a months-long chemical record of the air in their home.

SUSTAINED PARTICIPATION, BUILT ON TRUST

As of early 2026, the study includes 160 families — over 520 individual participants — in eastern Travis County and neighboring communities. In the study, a family begins with at least one child under 5 and a parent or primary caregiver. From there, households shape their own participation: Some enroll additional children, and others include extended family such as grandparents, aunts or uncles. Participation in the study can ask a great deal of community members who enroll. Beyond the surveys that all participants complete, families can opt into other components: devices placed in their homes to monitor air quality, wearable devices that follow a range of health and wellness measures, and home visits from members of the research team to collect water and dust samples and other data.

Longitudinal studies are common, but the depth of personal access participants share with Whole Communities–Whole Health is remarkable. Given that level of involvement sustained over many years, retention has remained high: Of the first three cohorts of families enrolled in the study, 78% are still participating and entering their fifth year. Much of that staying power reflects the research team's commitment to treating participants as collaborators and investing the time it takes to build mutual trust.

DATA THAT REFLECTS EVERYDAY LIFE

In Fiscal Year 2026, field researchers logged over 11,000 miles to meet families where they are — literally — gathering measurements that reflect the realities of everyday life. Optional activities offer even more insight into sleep, stress and other factors, building a rich picture of health as it unfolds over time. Adult participants provided more than 93,000 survey responses through the study's mobile app — 317,000 responses to date. Researchers also collected hundreds of environmental samples, further enriching the dataset.

Together, this work represents a comprehensive, community-based approach to health research, one that centers families and values participants' expertise in their own experiences.

REFLECTING ON THE JOURNEY

At this year's Whole Communities–Whole Health Symposium, researchers and community partners paused to reflect on the journey so far. Their candid conversation explored what they have learned, how community partnership has reshaped their approach to research and where the work should go from here. They offered insight into the evolving nature of community-engaged scholarship and the power of collaboration across both academic disciplines and lived experiences.

Participants included **Isela Guerra**, senior community engagement and outreach manager, Central Health; **Kerry Kinney**, professor (Maseeh Department of Civil, Architectural and Environmental Engineering, Cockrell School of Engineering); **Charles Moody Jr.**, founder, Community Coalition for Health; **Edison Thomaz**, associate professor (Chandra Family Department of Electrical and Computer Engineering); and **Yan Zhang**, professor (School of Information).

“It has been and continues to be a learning experience for me. I feel lucky to be part of it, but also proud that this research team is making changes in the way research is shared out to community members and making community members more of a partner than a subject.”

ISELA GUERRA, COMMUNITY STRATEGY TEAM



From left to right: Isela Guerra, Charles Moody Jr. and Edison Thomaz.

Their discussion revealed meaningful shifts in how researchers approach their work. Faculty described learning to communicate complex findings without jargon, designing technology with users' constraints in mind and recognizing that community members bring expertise that fundamentally shapes research outcomes. Community Strategy Team members shared how meaningful the partnership has been: seeing research respond to community needs; watching findings translated into accessible language and shared with participants; and broadening their own understanding of environmental health, language development and the social and economic factors that affect well-being.

"It has been and continues to be a learning experience for me," said Guerra, a member of the Community Strategy Team. "I feel lucky to be part of it, but also proud that this research team is making changes in the way research is shared out to community members and making community members more of a partner than a subject."

Looking ahead, panelists emphasized translating research into tangible community impact, building new partnerships across the region and preserving the human element that makes the work meaningful. The shared takeaway: long-term studies require patience and the challenges are solvable when researchers and communities learn from one another and commit to transparency along the way.

[READ MORE](#)

The Air We Breathe: New Tools for Understanding Pollution and Health

Air quality has become a defining thread in Whole Communities–Whole Health research, reflecting a growing understanding that the air people breathe, both indoors and out, plays a central role in their health and well-being. The three studies showcase the breadth of this work and the innovative methods driving it forward.

Across these efforts, researchers are pairing rigorous data collection with close attention to the questions and priorities of the families and communities at the heart of the cohort study, keeping scientific inquiry grounded in real-world needs.

TRANSFORMING BUILDING DUST INTO A TOOL FOR TRACKING VIRUSES

When COVID-19 shuttered much of the UT campus in 2020, a team of Whole Communities–Whole Health researchers saw an opportunity to test a novel hypothesis: Could the dust accumulating in building ventilation systems reveal patterns of viral transmission across large indoor spaces? Led by professors **Kerry Kinney** and **Atila Novoselac**, along with research scientist **Juan P. Maestre** and postdoctoral researcher **David Jarma** (all from the Maseeh Department of Civil, Architectural and Environmental Engineering, Cockrell School of Engineering), the team collected dust samples from nine air-handling units throughout a campus residence hall. Their goal was to determine whether HVAC filters could function as a surveillance system capable of pinpointing viral activity within specific zones, floors or wings where targeted interventions could make a difference.



Kerry Kinney shared insights into her research about building dust and its connection to viral transmission patterns at the Whole Communities–Whole Health's lightning talks in November 2025.



Using advanced extraction technology and genetic sequencing, the researchers detected fragments of SARS-CoV-2 in dust samples and calculated airborne viral concentrations across different building zones over a two-month period. “The HVAC system is like the lungs of the building,” Jarma explained. “By pulling out the pollutants from the filter, it’s pretty representative of what the occupants are breathing in while they’re inside the building.”

The implications of the research, [published in Building and Environment](#), extend well beyond pandemic response. The same methodology could be adapted to track other respiratory viruses or even chemical contaminants in hospitals, long-term care facilities and other densely occupied buildings where early detection is critical. “If you’re running a hospital and you say, ‘Oh, (the virus) is somewhere in the building,’ that’s not useful,” Kinney said. “But if you can isolate this to a zone within the building, that becomes actionable.”

[READ MORE](#)

TRACKING INDOOR AIR POLLUTION THROUGH AN UNEXPECTED SOURCE

What began as a personal curiosity became a powerful discovery when **Anna Neville**, then a doctoral student in **Pawel Misztal**’s indoor air chemistry class, snipped a lock of her own hair and analyzed it in the lab. She uncovered something remarkable: Hair can capture a detailed chemical record of human exposure to air pollution across days, weeks and even months. That small experiment became the foundation for a full-scale study showing that hair could be a tool for tracking environmental exposure over time.

Led by Neville, now a fourth-year doctoral researcher, and Misztal, an associate professor (Maseeh Department of Civil, Architectural and Environmental Engineering, Cockrell School of Engineering), the team developed a method that pairs thermal desorption with a highly sensitive mass spectrometer affectionately known in the lab as the “sniffer.” Unlike conventional hair analysis requiring grinding and chemical extraction, this approach can scan intact strands for thousands of compounds at once. The researchers detected more than 1,000 compounds in donated hair samples, including residues from cigarette smoke and phthalates, potentially harmful chemicals found in many household materials and personal care products. “When we think air pollution, we think a smelly part of town or a power plant,” Neville said. “But the emphasis our lab is trying to make is how important the indoor environment is.”

“When we think air pollution, we think a smelly part of town or a power plant. But the emphasis our lab is trying to make is how important the indoor environment is.”

ANNA NEVILLE,
DOCTORAL RESEARCHER



Anna Neville, left, and Pawel Misztal

The research underscores a critical but often overlooked reality: Americans spend about 90% of their time indoors, where pollutants from cooking, furniture, cleaning products and even our own bodies often dominate exposure. Misztal and Neville advise that simple habits like vacuuming more frequently, avoiding personal care products containing phthalates and opening windows before bed to flush the house with fresh air can significantly lower exposures. The team's findings, [published in Chemical Research in Toxicology](#), offer both a new scientific tool and an accessible roadmap for reducing everyday chemical exposure.

[READ MORE](#)

NEW PROJECT WILL INVESTIGATE AIR QUALITY AND HEALTH IN SOUTHEAST AUSTIN

An interdisciplinary team of Whole Communities–Whole Health researchers is launching a new study to investigate air quality and health outcomes in southeast Austin, responding directly to concerns raised by community members. The project focuses on neighborhoods where community interviews conducted by the research team identified significant concerns about pollution from nearby industrial operations, yet where formal air-quality monitoring has been limited. Led by researchers **Pawel Misztal**,

Sergio Castellanos and **Kerry Kinney** (all from the Maseeh Department of Civil, Architectural and Environmental Engineering, Cockrell School of Engineering), along with **Leah Whigham** (Nutritional Sciences, College of Natural Sciences), the initiative brings together expertise from engineering, energy policy and public health to address a pressing community need.



Leah Whigham, left, and Pawel Misztal discuss their proposal at the 2026 flash funding competition.

The team will deploy advanced monitoring equipment, including a mobile UT laboratory capable of detecting volatile organic compounds and sensors that measure particulate pollution in real time, to collect detailed environmental data during both the construction and operation phases of industrial facilities. Critically, the project will integrate these environmental measurements with community health indicators already being collected through Whole Communities–Whole Health to explore potential relationships between pollution exposure and metabolic health outcomes.

“Communities in southeast Austin have raised important questions about environmental and nutritional factors affecting their health,” Misztal said. “By linking detailed measurements of air composition in these neighborhoods with health data already being collected through Whole Communities–Whole Health, we hope to discover ways to improve human health and well-being.”

[READ MORE](#)

“Communities in southeast Austin have raised important questions about environmental and nutritional factors affecting their health. By linking detailed measurements of air composition in these neighborhoods with health data already being collected through Whole Communities–Whole Health, we hope to discover ways to improve human health and well-being.”

PAWEL MISZTAL,
COCKRELL SCHOOL
OF ENGINEERING

New Findings About Subjective Stress and Responses to Distress

YOUR PERCEPTION OF STRESS MATTERS MORE THAN YOU THINK

How stressed you feel may be just as important as your body's biological stress response, at least when it comes to changes in gene expression. A study led by psychology professor [Frances Champagne](#) (Psychology, College of Liberal Arts) and [published in Scientific Reports](#) observed 55 undergraduate students who participated in a Trier Social Stress Test, which includes an impromptu speech and surprise math test.



Using saliva samples collected before and after the test, Champagne's team found that DNA methylation (DNAm) — a chemical process that helps regulate which genes are turned on or off — changed rapidly, within just 90 minutes. More importantly, these changes didn't track with cortisol, the body's primary stress hormone. Instead, they correlated with subjective stress: how stressed participants said they felt. "If I say I'm really stressed, it's not just in my head," Champagne said. "It's something you can see at the level of controlling how your genes operate."

"Paying attention to how people feel, as opposed to some objective measure, might actually be more useful in predicting molecular changes," Champagne said. "Subjective stress really does have a biology to it."

[READ MORE](#)

STUDYING CHILDHOOD BEYOND THE LAB WITH NEXT-GENERATION TOOLS

Children's development unfolds through thousands of everyday interactions: moments of play, caregiving and emotional exchange that researchers have historically struggled to capture outside the laboratory. [Kaya de Barbaro](#) (Psychology, College of Liberal Arts) is helping change that by combining developmental science with wearable technologies and artificial intelligence to collect and analyze data on how children's experiences shape their health and well-being in real-world settings.

In a [study published in Child Development](#), de Barbaro and colleagues used audio recordings from families' homes to examine how caregivers respond to infant distress. The findings revealed that caregiver sensitivity is not a fixed parenting style but a dynamic process that changes throughout the day in response to everyday demands, such as caring for multiple children or navigating distractions at home. By capturing these moments as they naturally occur, wearable devices provide a richer understanding of children's developmental environments. "For parents who feel like they must be 'on' all the time, or moms who feel guilty because they aren't responding all the time, this work shows fluctuating responsiveness to distress is a normal part of caregiving," said de Barbaro.



Researchers use a device tucked into a specialized infant vest to safely record natural, everyday interactions and understand development as it happens.



The same wearable sensors that capture children's everyday experiences also generate vast amounts of data that would be difficult for researchers to analyze manually. Artificial intelligence and machine learning make it possible to identify patterns across these complex datasets, helping scientists gain new insights and return meaningful findings to families and communities. In a second [article published in Developmental Science](#), de Barbaro and colleagues developed practical guidelines to help researchers critically evaluate and responsibly use AI and machine learning tools that identify patterns in behavior with an emphasis on accuracy, ethics, privacy and performance across different contexts.

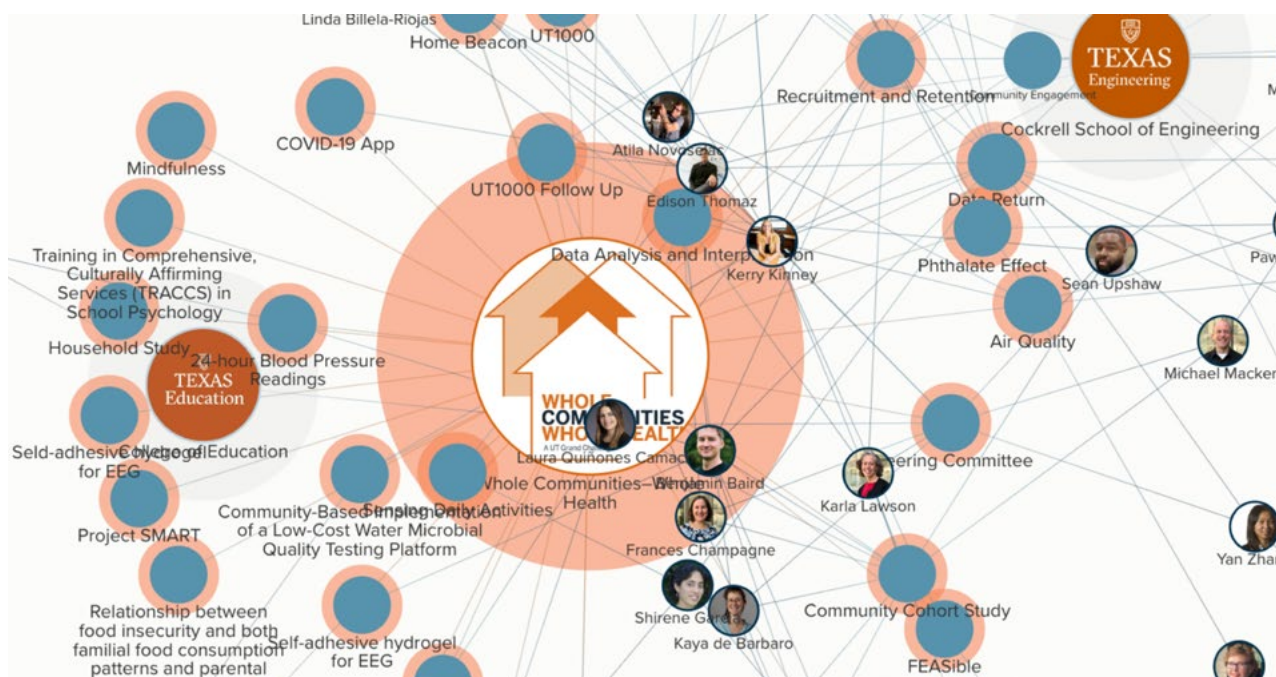
Supported by Whole Communities–Whole Health pilot studies and interdisciplinary collaboration, de Barbaro's research reflects the program's broader mission: bringing science into everyday environments and developing methods to study health in context.

[READ MORE](#)

CREATING CONNECTIONS

Addressing today's most pressing social issues calls for collaboration across disciplines and perspectives. Whole Communities–Whole Health unites researchers from across UT's colleges, schools and departments to create community-centered solutions through interdisciplinary collaboration.

Want to see how these partnerships interconnect? Explore our [interactive network map](#) to see the contributors, initiatives and academic units involved. Search by name, college or project — or select a node to see how it connects within Whole Communities–Whole Health.



Fostering Connections: Engaging Campus and Community Partners

CONNECTING HEALTH, HOUSING AND THE INVISIBLE WORLD AROUND US AT THE 2026 SYMPOSIUM

The Whole Communities–Whole Health [Research Symposium](#), held Feb. 6, 2026, brought together researchers, community leaders and University partners for a day of dialogue, new connections and a shared commitment to community-engaged research.

The symposium opened with a panel of researchers and community partners [reflecting on the program's successes and the lessons learned](#) across its first eight years (highlighted in the [Research section](#)).



Edison Thomaz (second from right) speaks at this year's Whole Communities–Whole Health Research Symposium. Joining him on the panel, from left: Kerry Kinney, Isela Guerra, Charles Moody Jr. and Yan Zhang.

A series of lightning talks followed, highlighting five projects that traced different facets of how housing, language, technology and even invisible microbes shape community health. Presenters explored the trade-offs families face under housing pressure, what everyday conversations at home reveal about mental health, the software backbone that keeps a longitudinal study running, the microbial communities that share our indoor spaces and an interactive tool that helps participants explore the microbes in their own homes.



Juan P. Maestre

“We’re seeing how seemingly separate threads of inquiry weave together into a richer understanding of whole community health,” wrote Juan P. Maestre (Maseeh Department of Civil, Architectural and Environmental Engineering, Cockrell School of Engineering), one of the presenters, in [a post about the session](#). “The work represented here ... reflects a commitment to understanding health not as isolated medical outcomes but as the product of whole communities in their full complexity.”

“We’re seeing how seemingly separate threads of inquiry weave together into a richer understanding of whole community health. The work represented here ... reflects a commitment to understanding health not as isolated medical outcomes but as the product of whole communities in their full complexity.”

**JUAN P. MAESTRE,
RESEARCH SCIENTIST**

The symposium closed with the announcement of the **flash funding competition recipients** (highlighted in the **Research section**). The annual competition fosters interdisciplinary connections and supports projects that advance research and practice in collaboration with Whole Communities–Whole Health researchers.



Researchers participate in the annual flash funding competition.

CELEBRATING PARTNERS WHO HELP GUIDE THE WORK

Whole Communities–Whole Health honored seven longtime community partners with Community-Engaged Research Champion Awards at its annual research symposium on Feb. 6. The honorees — community liaisons and members of the grand challenge’s Community Strategy Team — have each partnered with Whole Communities–Whole Health for five years or more, and their sustained involvement has helped shape the program’s flagship longitudinal cohort study.

These partners are central to the grand challenge’s community-engaged model. Made up of people who live or work in southeastern Travis County — the communities at the heart of the cohort study — the Community Strategy Team meets regularly with researchers and staff to keep the study grounded in community values and priorities. Members may serve up to three years on the team and often continue as community liaisons, advising workgroups on key aspects of the study. The awards recognized not only length of service but also the depth of engagement these valued partners have brought to the work, from attending evening meetings and weekend events to offering candid feedback that strengthens how the study is designed and carried out.

“Our Community Strategy Team and Liaisons are truly co-shapers of this work. Their consistency over the years has helped ensure that our research remains grounded, relevant and accountable to the communities it serves.”

**SHIRENE GARCIA,
SCHOOL OF SOCIAL WORK**

“Our Community Strategy Team and Liaisons are truly co-shapers of this work,” said Shirene Garcia (School of Social Work), Whole Communities–Whole Health community engagement manager. “Their consistency over the years has helped ensure that our research remains grounded, relevant and accountable to the communities it serves.”

The 2026 honorees were Barbara Soriano, a Del Valle resident; Ellena Gonzalez, a certified doula and birth program coordinator at Mama Sana Vibrant Woman; Maggie Jaime, executive director of AVANCE Austin; Rebecca Gomez, parent community liaison for Ojeda Middle School in Del Valle; Mia Greer, the first community member to co-chair the Community Strategy Team and CEO of Community Coalition for Health; Charles Moody Jr., a founding member of the Community Strategy Team, Community Coalition for Health founder and pastor at The ROCK ATX; and Carol Lilly, a founding member of the Community Strategy Team and founding executive director of Boomers Collaborative Foundation.

[READ MORE](#)



Left to right: Michael Mackert, Barbara Soriano, Ellena Gonzalez, Rebecca Gomez, Mia Greer, Charles Moody and Shirene Garcia. (Not pictured: Maggie Jaime and Carol Lilly.)

SHOWING UP FOR COMMUNITY PARTNERS

Throughout the year, Whole Communities–Whole Health met families at scholarship luncheons and turkey drives, anniversary galas and neighborhood festivals across the Del Valle area and southeast Austin. Community partners have long described this steady presence as essential, reminding the team that showing up matters most over the long term, a commitment the grand challenge has prioritized since its founding in 2018.

Much of that presence centered on celebrating and supporting the work of community partners. The team joined AVANCE Austin for Las Voces de Valor y Sueños, the organization’s signature annual luncheon, and helped Dove Springs Proud mark its Youth Summit, where the group awards college scholarships to local students. When Community Coalition for Health celebrated 10 years of service at its anniversary gala, Whole Communities–Whole Health was there to support one of the grand challenge’s longest-standing partners. Community Engagement Manager **Shirene Garcia** also joined the Coalition for a conversation on extreme heat and facilitated one of the discussion groups as city leaders and residents talked through how heat affects health and daily life across Austin’s neighborhoods. And the team hosted a plain-language training on generative AI for community-based organizations. The training included an introduction to what the technology can and cannot do as well as its limits around privacy and accuracy.



Community Coalition for Health Anniversary Gala

Late summer ushered in a new school year at the Del Valle Independent School District Back to School Bash, where families gathered for free backpacks, school supplies and health resources, and again at Del Valle Day, a community celebration with carnival rides, food and family activities hosted by the Del Valle Community Coalition. Fall brought a season of giving alongside the Del Valle Community Coalition. Team members laced up for the coalition's third annual Turkey Trot, joining the 5K and one-mile fun run, and later volunteered at its annual Turkey Drive, helping distribute turkeys and meal kits to families ahead of the holidays.



Del Valle Community Coalition Turkey Drive

That spirit of collaboration shaped the team's approach throughout the year. Rather than hosting its own Community Resource Day, the Community Strategy Team chose to take part in Springfest, a long-established family festival capable of drawing thousands, where Whole Communities–Whole Health hosted family-friendly activities to help families and children engage with the grand challenge's areas of research in a fun way.

At these gatherings, team members connected with families, shared information about opportunities to participate in research studies, and listened to the community members whose perspectives continue to guide the research partnership.



Springfest 2026

Whole Communities–Whole Health Partners

- A to Z Translators
- AVANCE Austin
- Bastrop County Cares
- Children's Advocacy Center
- Children's Wellness Center
- Community Coalition for Health
- Del Valle Community Coalition
- Del Valle Independent School District
- Del Valle Libraries
- Dove Springs Proud
- Farmshare
- MEASURE Austin
- Todos Juntos
- Travis County EMS, Fire Station #1104

WHOLE COMMUNITIES—WHOLE HEALTH HEADLINES

EXTERNAL NEWS FEATURES AND MENTIONS

- 11/6/2025 [Unlocking Better Sleep With Daily Exercise](#)
(Various versions of this story aired on multiple local FOX TV affiliates' morning shows across the country.)
- 4/25/2026 [We're All Talking to Each Other Less Than We Did a Decade Ago](#)
The Wall Street Journal

UT AUSTIN NEWS COVERAGE

- 12/9/2025 [Indoor Air, Written in Hair](#)

UT OVPR COMMUNICATIONS

- 9/23/2025 [Mind Over Molecules](#)
- 2/5/2026 [Air Apparent](#)
- 2/26/2026 [Longtime Community Partners Honored at Annual Symposium](#)
- 3/25/2026 [New Project Will Investigate Air Quality and Health in Southeast Austin](#)
- 7/8/2026 [Listening, Learning and Looking Ahead](#)
- 7/14/2026 [Studying Childhood Beyond the Lab: New Tools for Understanding Everyday Development](#)



FUNDED GRANTS

To date, Whole Communities–Whole Health researchers have secured more than \$32.6 million in external funding through grants, gifts and awards that directly support the grand challenge’s mission. External awards from the most recent fiscal year are listed below.

Texas Air Research Center

Indoor Air Quality Measurements in Southeast Texas

\$77,000

Kerry Kinney, Cockrell School of Engineering

University of California San Diego

Non-targeted gas-phase and particle-phase mobile and stationary coastal measurements to characterize chemical and biological sources: a collaborative case study

\$15,700

Kerry Kinney, Cockrell School of Engineering

PUBLICATIONS AND PRESENTATIONS

Whole Communities–Whole Health research continues to generate new insights, with findings shared in leading peer-reviewed journals and presented at national and international conferences. The following list highlights publications and presentations from the past fiscal year, many of which are available online for broader access and engagement.

Publications

- *de Barbaro, K., Madden-Rusnak, A., & Timmons, A. (2026). **Thinking critically about algorithms for automated detection of behavior: 11 guidelines for social and behavioral scientists.** *Developmental Science*, 29(3), e70144.
- de Barbaro, K., & Madden-Rusnak, A. (2026). **Everyday maternal sensitivity to distress is dynamic and systematically varies across contexts.** *Child Development*, 97(2), 465-481.
- †Lima, B. S., Ferreira De Moraes, A. C., da Silva, L. C. C., dos Santos Neto, J. G., Sales, M. F., Oliveira, R. T. S., da Silva Gomes, E. R., Nogueira, L. R. B., Torres-Leal, F. L., Quaresma, F. P., Feuerstein, S. C., Marin, K. A., Baird, B., & Nascimento-Ferreira, M. V. (2026). **Mental health profiles and eating behaviors in college students from economically disadvantaged regions.** *Discover Food*, 6, 310.
- *Miller, M., Brown, R. D., Krautkramer, C., Gogia, R., Fritz, H., Wylie, D., Kinney, K., & Champagne, F. A. (2026). **Association between chronic stress and the epigenome: Exploration of psychological and biological stress.** *PLOS ONE*, 21(4), e0346517.
- Marshall, B., Stickney, A., Dannemiller, K. C., Novoselac, A., Maestre, J. P., Kinney, K., & Misztal, P. K. (2026). **Changes in lighting influence emissions of microbial volatile organic compounds from fungi in house dust.** *Indoor Environments*, 3(1), 100145.
- Neville, A. C., Jarma, D. A., Blomdahl, D. C., Lin, C.-H., Kinney, K. A., & Misztal, P. K. (2025). **Ultrasensitive direct chemical analysis of human hair using proton transfer reaction time-of-flight mass spectrometry (PTR-TOF-MS) for nontargeted exposure profiling.** *Chemical Research in Toxicology*, 38(10), 1681–1688.
- †Rivera-Mariani, F. E., Srour, H., Godoy-Vitorino, F., Bolaños-Rosero, B., Vélez-Torres, L. N., Maestre, J. P., Kinney, K., & Cavallin, H. (2025). **Indoor dust, immune activation, and household exposure risk after Hurricane Maria: A two-year pilot prospective cohort study in Puerto Rico.** *Journal of Exposure Science & Environmental Epidemiology*, 36, 521-530.
- †Vélez-Torres, L. N., Bolaños-Rosero, B., Godoy-Vitorino, F., Rivera-Mariani, F. E., Maestre, J. P., Kinney, K., & Cavallin-Calanche, H. (2025). **Molecular and culture-based identification of *Aspergillus* species in water-impacted homes following Hurricane María in Puerto Rico.** *Scientific Reports*, 15(1), 35922.

Presentations

- *Ball, J., Raber, M., Love, B., & Smith, S. (2026, July 25). *Food insecurity, parenting stress, and modeling of healthy eating among low-income families* [Poster presentation]. NUTRITION 2026: American Society for Nutrition Annual Meeting, Washington, DC.
- de Barbaro, K., Jiang, X., Maclaine, B. A., De La Torre Pinedo, K., & Galhotra, Y. (2026, July 6). *Infants' Everyday Emotional Exposures are Shaped by Activity Context and Maternal Mental Health* [Conference session]. International Congress of Infant Studies (ICIS), Panama City, Panama.
- Early, A., Huglo, E., Nealon, S., Ramos-Santiago, T., Haley, A., Castelli, D., Novoselac, A., & Kinney, K. (2026, June 17). *Estimating in-space residential air conditioner runtime fractions using low-cost sensor arrays to better understand indoor air quality* [Conference session]. Indoor Air 2026, Singapore, Singapore.
- Huglo, E., Early, A., Nealon, S., Ramos-Santiago, T., Wu, C., Haley, A., Castelli, D., & Kinney, K. (2026, June 15). *Fine particulate matter exposures in homes and metabolic risk* [Conference session]. Indoor Air 2026, Singapore, Singapore.
- Huglo, E., Farhad, S., Jarma, D., Lacau, A., Manjur, S. M., Lin, S., Faust, K., Jeffryes, C. S., Early, A., Nealon, S., Wan, T., & Kinney, K. (2026, June 15). *Indoor/outdoor measurements in highly industrialized urban areas of southeast Texas* [Poster presentation]. Indoor Air 2026, Singapore, Singapore.
- Jarma, D., Maestre, J., Klimeck, B., Heyer, M., Sandstrom, G., Prather, K., & Kinney, K. (2026, June 17). *Penetration of airborne microbial pollutants into homes in South Bay San Diego, California* [Conference session]. Indoor Air 2026, Singapore, Singapore.
- Jiang, X., Maclaine, B. A., De La Torre Pinedo, K., Castillo, A., & de Barbaro, K. (2026, July 6). *Decoding the family language system in LIWC: Early childhood home language patterns and their associations with parent and child mental health* [Poster presentation]. International Congress of Infant Studies (ICIS), Panama City, Panama.
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* Denotes scholarly outputs where there are authors from more than one UT department or school.

† Denotes publications that do not formally acknowledge Whole Communities–Whole Health support; all others do.

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