CAMPUS-COMMUNITY RESEARCH INCUBATOR PROGRAM

2023 Annual Summary Report

Produced December 2023 by
ICTS Evaluation Unit
This report summarizes the components of the UCI CCRI Program by highlighting its accomplishments and overall impact.

**UC Irvine ICTS**

The UC Irvine Institute for Clinical and Translational Science (ICTS) is a member of a consortium of over 60 Clinical and Translational Science Awards (CTSAs) housed at academic medical centers throughout the United States. The consortium is funded by the National Institute for Advancing Translational Sciences within the National Institutes of Health, with the mandate to “develop innovative solutions that will improve the efficiency, quality and impact of the process for turning observations in the laboratory, clinic and community into interventions that improve the health of individuals and the public” (https://ncats.nih.gov/ctsa).

**The UCI CCRI Program**

Guided by the Leadership of the ICTS, the CCRI Program is a grant initiative aimed at promoting collaborative research ventures between university researchers and community organizations. Specifically, the program encourages partnerships between researchers from UC Irvine and community stakeholders to jointly develop research projects that address health-related challenges.

The ICTS CCRI Program seeks to support studies that will advance the goals of the CTSA Awards Program:

- Train and cultivate the translational science workforce.
- Engage patients and communities in every phase of the translational process.
- Promote the integration of diverse and under-resourced populations in translational research across the human lifespan.
- Innovate processes to increase the quality and efficiency of translational research.
- Advance the use of cutting-edge informatics.
CCRI Awards Program

Summary of Awards

CCRI proposals must demonstrate an active engagement between campus and community representatives. That is, a CCRI should be a co-designed project that benefits the campus researcher and community organization equally. Awards may be used for capacity building expenses (e.g. trainings, data set organization, technology), data collection and analyses, or pilot studies. Funds may be used to purchase research supplies, support research assistants, or to compensate community experts or research participants. At least 51% of award funds must be used to directly support community partner activities.

ICTS CCRI grants are awarded only to teams comprised of campus researchers and community organization representatives, including community organizations, faculty, healthcare providers, postdoctoral researchers, graduate students, senior researchers, and others. CCRI projects demonstrate an active engagement between campus and community representatives, i.e. a co-designed project that benefits the campus researcher and community organization equally.

These CCRI awards can be organized into two categories:

- **Research-based activities (pilots):** Studies that will generate findings to be further studied or tested in a larger follow-up research study.
- **Capacity- and Partnership-building activities:** Also referred to as a mini CCRI, these are activities include but are not limited to trainings, dataset organization, technology, and project development for future research.

Research Acceleration and Facilitation Team (RAFT)

Our support of the research process does not end when we transfer the funds. Throughout the one-year period of active funding, our RAFT team reaches out proactively to our awardees to ensure that we assist them with overcoming the many small hurdles that can delay research such as regulatory processes (for example, the Institutional Review Board) and challenges with recruiting study participants in human studies.
Return on Investment (ROI) for CCRI Awards

**Related ROI = 8.78**

For every dollar invested, there have been approximately $8.78 returned in total extramural grant funding for projects directly related to the CCRI funding.

- **16%** of CCRI Studies Yielded at Least One Subsequent related *Grant*
- **41%** of CCRI Studies Yielded at Least One Subsequent related *Publication*

Details regarding the computations that informed these metrics can be found on page 14.
Vignette: An Exemplary Capacity Building Project Funded in 2022

**Project:** Partnering with MOMS Orange County to Protect Children from Window Falls: A Campus-Community Research Project

**Project Partnership:**

**Research Partner:** Laura Goodman, MD, MPH is a Professor of Assistant health Sciences, School of Medicine, UCI, and Associate Trauma Medical Director, CHOC.

**Community Partner:** Dave Lugo, CEO of MOMS Orange County a non-profit for healthy moms and babies, providing low-income families in Orange County, CA with maternal care coordination

**Challenge:**

Unintentional falls are the leading cause of nonfatal injury in children and can lead to particularly severe injuries. There is an urgent need for innovative strategies that address the risk of window falls in children; and the gap in understanding how injury prevention efforts are best translated from evidence to practice in the community setting.

**Support from the ICTS CCRI Award:**

In 2022, the ICTS awarded $10,000 to support work toward a community-based educational intervention on mothers' window safety knowledge and behavior to reduce childhood window falls. An intervention was delivered by trained home visitors during a four-month postpartum home visit that provided both resources and social support to educate household members. The approach paid particular attention to educating families about the false security of window screens to prevent falls.

**Impact**

The community benefits of this project included community health services from MOMS OC home visitors who provided window locks and window safety information, as well as health education resources such as educational booklets, to the moms of over 350 local children.

Building on the work in this project, which distributed more than 1,000 window locks, and the continued family education by MOMS OC, this project is expected to result in additional economic benefits. Benefits may include injury prevention and reduction, as well as reduced Emergency Department visits and a reduction in related societal and financial costs of injuries due to falls in Orange County.
CCRI Awardees (2010-2023)

2010

Stanley Bassin, School of Medicine & Marian Ryan ¹: Biometric Profile for Overweight/Obese Pediatric Patients (Predominantly Latino) and their Parent’s Perception about Health Center Assistance

John Billimek, Health Policy Research Institute & Barry Ross ²: Assessing the Long-Term Benefits of a Community-Based Childhood Obesity-Prevention Program: The Vida Sana Program at the St. Jude Neighborhood Health Center

Kimberly Lakes, Department of Pediatrics & Barry Ross ²: Identification of Critical Factors Impacting Outcomes in Healthy for Life Jr. Program

Jamie McGuire, School of Medicine & Sandra Ortega ³: Redevelopment: Developing Community-Based Strategies

Jamie McGuire, School of Medicine & Wendy Tarr ⁴: Partnership to Help the Homeless in Anaheim.

Jennifer Simpson, Gavin Herbert Eye Institute & Cathleen Collins ⁵: Effectiveness of Early Diagnosis of Cortical Visual Impairment


2011

Jill Berg, Sue & Bill Gross School of Nursing & Carmen Namenek ⁸: Providing Resources to Orange County Residents with Asthma.

Elliot Hui, Department of Biomedical Engineering & Patrick Chen ⁹: Observational Study on Underserved Patients with Diabetes and the Motivational Drivers for Postprandial Blood Glucose Self-Monitoring Compliance.

Robin Koeppel, UCI Health Family Health Center & Christine Betzold ¹⁰: Baby Assessment and Breastfeeding Instruction and Education Medical Clinic (BABIEM) Pilot Project.

Kimberley Lakes, Department of Pediatrics & Barry Ross ¹: Healthy for Life: Does Self-Control Moderate Intervention Outcomes.

Dana Rutledge, CSU Fullerton School of Nursing & Patricia Cantero ¹¹: Barriers and Facilitators to Management of Chronic Pain in Low Income Overweight Hispanic Adults.

¹ Institute for Healthcare Advancement
² St. Joseph Hospital/St. Jude Hospital
³ Community Action Partnership of Orange County
⁴ Clergy and Laity United for Economic Justice Orange County (CLUE)
⁵ United Cerebral Palsy of OC
⁶ Universal Diagnostics Laboratory Corporation
⁷ La Clinica Medica Familiar
⁸ Children’s Hospital of Orange County (CHOC)
⁹ Share Ourselves (SOS)
¹⁰ Caduceus Medical Group
¹¹ Latino Health Access
2012

Yuqing Guo, Sue & Bill Gross School of Nursing & Pamela Pimentel: Preliminary Effectiveness of Maternal and Infant Home Visitation Models: MOMS Orange County.

Zeev Kain, Department of Anesthesiology & Diane Limbo: Understanding Pain in Pediatric Community Dental Populations.

Haiou Yang, Department of Occupational and Environmental Health & Mary Anne Foo: Developmental Testing of Language and Educational Level Appropriate Ergonomic Training Manuals for Vietnamese Supermarket Workers.

2013

Phyllis Agran, Department of Pediatrics & Daniel McQuaid: Clinic in the Park: Promoting Health and Wellness.


Margaret Schneider, School of Social Ecology & Pamela Penn: A Critical Analysis of the FitnessGram Cardiovascular Fitness Standards.

Frank Zaldivar, Institute for Clinical and Translational Science & Jose Rea: MPNA Healthy Neighborhoods GREEN (Getting Residents Engaged in Exercise and Nutrition).

2014


Viorela Pop, Institute for Memory Impairments & Neurological Disorders (MIND) & Tonia Vojtkovsky: Cognitive Exercise May Preserve Memory and Functional Ability in Persons with Mild Cognitive Impairment.

Margaret Schneider, School of Social Ecology & Chris Corliss: Can an Elementary School-Based Fit Kid Center Increase Student Engagement in Active Play and Healthy Eating Habits?

12 MOMs OC
13 Healthy Smiles
14 Orange County Asian and Pacific Islander Community Alliance
15 OneOC
16 Vietnamese American Cancer Foundation
17 Marshall Academy of the Arts Middle School
18 Madison Park Neighborhood Association (MPNA)
19 Orange County Aging Services Collaboration
20 Cognitive Care Solutions
21 Orange County Department of Education
2015

Yuqing Guo, Sue & Bill Gross School of Nursing & Monique Daviss**: Pilot Testing the Impact of an Innovative School-Based CBT Intervention in Partnership with El Sol Science and Arts Academy of Santa Ana.

Candice Taylor-Lucas, Department of Pediatrics & Alyce Mastrianni**: Early Childhood Obesity Prevention in Practice: Assessment of Provider Perceptions and Practices in Orange County.


2016

Miriam Bender, Program in Nursing Science, Marjory Williams **, & LeeAnna Spiva**: Developing Capacity to Conduct Large-Scale Testing of an Explanatory Model of Clinical Nurse Leader Integrated Care Delivery: Leveraging Health System Stakeholders.

Jodi A. Quas, Department of Psychology & Social Behavior & Gene Howard**: Experiences, Knowledge, and Attitudes of Parents involved in the Dependency Process: Targeting Parents to Intervene on Behalf of Children and Families.

Petra Wilder-Smith, Beckman Laser Institute & Cherie Wink**: Developing a Saliva-Based Oral Cancer Risk Test for Underserved Populations in a Community-Based Setting.

2017


Sunny Jiang, Department of Civil & Environmental Engineering & Ray Hiemstra**: Community Engagement in Water Quality Monitoring Using Rapid E. Coli Quantification Chip.

Jung-Ah Lee, Sue & Bill Gross School of Nursing, Tricia Nguyen**, & Wendy Yoo**: Dementia Care for Underserved Asian American Communities in Orange County: A Pilot Education Intervention and Qualitative Needs Assessment.

22 El Sol Academy
23 Children and Families Commission of OC
24 St. Jude Medical Center
25 Wellstar
26 Alliance for Children and Families, OC
27 Concorde University
28 Texas Health Resources
29 Orange County Coastkeeper
30 Vietnamese Community of Orange County
31 Korean American Health Information & Education Center
2018

Candace Burton, Sue & Bill Gross School of Nursing & Maricela Rios-Faust**: Survivors of Intimate Partner Violence: A Nursing Case Management Research Project.

Michelle Fortier, Center on Stress & Health, & Lessley Torres**: Children Impacted by Cancer in the Latino Community.

Rachel Perry, Department of Obstetrics and Gynecology & Orli Florsheim**: Understanding Contraceptive Needs of Women who Inject Drugs in Orange County: A Qualitative Study.

Margaret Schneider, School of Social Ecology & Pamela Penn**: Acceptance-based Physical Activity Promotion for Low-Active Middle-School Students.

2019

Mehraneh Jafari, Department of Surgery & Matthew Brady**: Pilot Study of the Safety and Feasibility of Immediate Adjuvant Chemotherapy in Patients with Invasive Colonic Adenocarcinoma.

Alana LeBron, Department of Population Health & Disease Prevention, Enrique Valencia***, & Abel Ruiz**: The (Anti-) Soil Lead Project: A Spatial Analysis of Total Lead Levels in Soil Throughout Santa Ana, CA.

Kim Lu, Department of Pediatrics & Jose Rea**: The Effects of Urban Industrial Corridors on asthma morbidity in school aged children in Santa Ana: A pilot project by the Environmental Justice Campaign of MPNA-GREEN.

2020

Jessica Borelli, Department of Psychological Science; Kelly Kazmierski, Department of Psychiatry & Francisca Leal**: Exploring Pathways to Post-COVID-19 Resilience in Santa Ana Via Promotora-Led Community Engagement.

Brian Crosland, Heike Thiel de Bocanegra, Department of Obstetrics and Gynecology & David Lugo**: Perinatal Social Support and Mental Health During the COVID-19 Pandemic: A Qualitative Community-Based Survey of Postpartum Women.

Alana LeBron, Program in Public Health; America Bracho**, Mary Ann Foo**, & Isabel Becerra**: Orange County Community-Oriented Health Equity Contact Tracing (OC-CHECT).

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32 Human Options
33 Oncology Taskforce
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36 Long Beach Memorial Medical Center
37 Orange County Environmental Justice
38 Jovenes Cultivando Cambios
39 Environmental Justice Campaign of MPNA
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41 MOMS OC
42 Latino Health Access
43 Orange County Asian and Pacific Islander Community Alliance
44 Coalition for OC Community Health Centers
2020 (cont.)

Cevadne Lee, UCI Cancer Center; Sora Tanjasiri, Department of Epidemiology; Charlene Kazner*: Navigating Pacific Islanders through the COVID-19 Pandemic.

Valerie Pham, Sue & Bill Gross School of Nursing; Becky Nguyen & Dung Hua*: COVID-19 prevalence and psychological distress among Vietnamese American cancer patients and other community members.

Corey Rood, Department of Pediatrics; Jodi Quas, Department of Psychological Science; Stacy Metcalf, Department of Psychological Science & Daphne Wong**: Impact of the COVID-19 Pandemic on the Incidence of Suspected Child Maltreatment in Orange County.

Marian Ryan* & Sonia Sehgal, Department of Medicine: Health Enhancing Connection to At-risk Seniors during COVID-19.

2021

Nakia Best, Sue & Bill Gross School of Nursing; Phyllis Agran, Department of Pediatrics; John Billimek, Department of Family Medicine; Eden Donahue & Kirsten Munk**: The Impact of COVID-19 on School Nurses and School Health Services.

Kate Kuhlman, Department of Psychological Science & Nazly Restrepo*: Predictors of Mental Health Needs and Service Utilization Among Adolescents in the Aftermath of COVID-19.

Karen Lindsay, Department of Pediatrics; Candace Taylor-Lucas, Department of Pediatrics & Trina Robertson*: A Community Needs Assessment of Nutrition Support and Resources Throughout the First 1000 Days of Life in Low-Income Families.

Naomi Sugie, Department of Criminology, Law, and Society & Robert Bird*: PrisonPandemic: Capturing Stories of People Incarcerated in California’s Prisons.

Connie Valencia, Department of Public Health; Brittany Morey, Department of Health, Society & Behavior; & Lucy Herrera*: Environmental Justice Community Engaged Efforts Among Latino Residents in Boyle Heights.

Alyson Zalta, Department of Psychological Science; Candace Burton, Sue & Bill Gross School of Nursing; & Garrett Chan*: Examining the nature and consequences of moral injury in frontline nurses during COVID-19.

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45 Pacific Islander Health Partnership
46 Vietnamese American Cancer Foundation
47 Childrens Hospital of Orange County
48 Institute for Health Advancement
49 School Nurses of California Foundation
50 Project Youth - Orange County Bar Foundation
51 Dairy Council of California
52 VNON
53 LegacyLA
54 Sharp HealthCare
2022

**Dawn Bounds, Sue & Bill Gross School of Nursing & Shauntina Sorrells**\(^{55}\): Community-Based Participatory Health Needs Assessment in a Specialty Drop-In Center for Youth Involved or At Risk for Sex Trafficking in Orange County.

**Laura Goodman, Department of Surgery & Dave Lugo**\(^{56}\): Partnering with MOMS Orange County to Protect Children from Window Falls: A Campus-Community Research Project.

**Yuqing Guo, Sue & Bill Gross School of Nursing & Shamiesha Ebhotemen**\(^{57}\): Reducing Black Maternal Health Disparities Through Building Community Capacity with HERstory, Inc.

**Isaac Hung, Department of Plastic Surgery; Jenny Wang & Larry Nichter**\(^{58}\): Barriers to Providing Free Reconstructive Plastic Surgery: Characterizing Plastic Surgeon Experiences, Knowledge, and Attitudes Towards Nonprofit Partnership.

**Karen Llave, Department of Population Health and Disease Prevention & Lilibeth Torno**\(^{59}\): Transitioning Young Adult Cancer Survivors to Adult Care: Understanding the Role of Cognitive and Emotional Illness Representations of Cancer.

2023

**Fawaz Al Ammary, Department of Medicine & Amin Rafiq**\(^{60}\): Multidisciplinary Scientific Collaborative Engagement and Person-Centered Assessment in a Racially Diverse Faith-Based Community.

**Dawn Bounds, Sue & Bill Gross School of Nursing & Mariangeles Soto-Diaz**\(^{61}\): The Keeping it REAL Project: Re-storying health Equity through Artistic Expression & the Amplification of Lived experiences.

**Biblia Cha, Department of Medicine & Hyepin Im**\(^{62}\): Reducing Korean American Mental Health Service Use Disparities Through Capacity Building with Faith and Community Empowerment (FACE).

**Jackie Kim, Department of Medicine & Becky Nguyen**\(^{63}\): Stress and Resilience Measurement for Vietnamese Americans.

**Christian Salazar, Institute for Memory Impairments & Neurological Disorders (MIND) & Guillermo Alvarez**\(^{64}\): Improving Knowledge and Awareness of Alzheimer’s Disease and Related Dementias among Promotores in Santa Ana, California.

**Karen Valladares, Department of Environmental and Occupational Health & Daniel Talamentes**\(^{65}\): Community Led Soil Lead Sampling Project in Avocado Heights, California.

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\(^{55}\) Orangewood Foundation Project CHOICE Partnership

\(^{56}\) MOMS OC

\(^{57}\) HERstory Inc.

\(^{58}\) Mission Plasticos

\(^{59}\) Children’s Hospital of Orange County

\(^{60}\) Islamic Center of Irvine

\(^{61}\) Grand Central Arts Center

\(^{62}\) Faith and Community Empowerment

\(^{63}\) Vietnamese American Cancer Foundation

\(^{64}\) Latino Health Access

\(^{65}\) Avocado Heights Vasquer@s
# Community Partners

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St. Joseph Hospital/ St. Jude Hospital
St. Jude Medical Center - Caregiver Resource Center
Texas Health Resources
United Cerebral Palsy of Orange County
Universal Diagnostics Laboratory Corporation
Vietnamese American Cancer Foundation
Vietnamese Community of Orange County
VNOn
Wellstar
Notes on Data Presented in this Report

The data and metrics displayed on page 4 were calculated in a variety of ways, further detailed below, using internal ICTS Evaluation databases and resources. Note that outputs and ROI refer to the impact of awards conferred in 2010-2022. This includes extramural funding received and publications produced through November 2023.

Program Outputs:

- The number of publications was calculated by tracking all publications per each CCRI awardee following their CCRI award. This number includes the total publications associated with each CCRI awardee’s original CCRI project (32 publications).
- The number of extramural grants and total funding amount was tracked through the UC Irvine Data Warehouse. These data showcase the total number and cost of extramural NIH grant funds received by each awardee that were related to their original CCRI project.

Return on Investment (ROI):

\[
\frac{\text{Total Funds Returned} - \text{Total Funds Invested}}{\text{Total Funds Invested}}
\]

- Related ROI refers to funds returned by the PI that are directly related to the initial research funding topic and are not counted toward the ROI if the funds result from another topic of research led by the PI.

Common Metrics Initiative:

The percentages for CCRI Awardees with (1) at least one subsequent grant and (2) at least one subsequent publication were calculated using the guidelines of the Common Metrics Initiative established by the National Center for Advancing Translational Science (NCATS). No longer mandated by NCATS, we continue to track these metrics for comparison over time.

Percent of CCRI studies with at least one subsequent grant:

- \((\text{Total projects with at least 1 related grant through 2023 (9)} / \text{Total CCRI Projects between 2010-2022 (56)}) * 100 = 16\%\)

Percent of CCRI studies with at least one subsequent publication:

- \((\text{Total projects with at least 1 related publication through 2010-2023 (23)} / \text{Total CCRI Projects between 2010-2022 (56)}) * 100 = 41\%\)
Report Produced By:

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