

**CURRICULUM VITAE**  
**University of Alabama at Birmingham**  
**School of Medicine**

**Date** January 10, 2022

**PERSONAL INFORMATION**

Name: Gabriela R. Oates  
Citizenship: United States  
Foreign languages: Bulgarian, Russian, Swedish, German  
Home address:  
Phone:

**RANK/TITLE** **Assistant Professor, Tenure Earning**

Department: Pediatrics, Division of Pulmonary and Sleep Medicine  
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**EDUCATION**

1988 B.A. Philology, Sofia University St. Kliment Ohridski  
1989 M.A. Linguistics, Sofia University St. Kliment Ohridski  
2015 Ph.D. Medical Sociology, University of Alabama at Birmingham

**ADDITIONAL TRAINING**

2015 – 2017 K12 Career Development Award (AHRQ/UAB PCOR K12 program)  
2018 NHLBI/OBSSR Summer Institute on Randomized Behavioral Clinical Trials

**Certifications**

2019 Tobacco Treatment Specialist, Center for Tobacco Treatment Research and Training, University of Massachusetts Medical School, Worcester, MA

**Professional Development**

2021 Leadership Development Seminar for Women Faculty in Medicine, Association of American Medical Colleges

**ACADEMIC APPOINTMENTS**

**Primary:**

2017 – present	Assistant Professor	Pulmonary and Sleep Medicine, Department of Pediatrics, University of Alabama at Birmingham
2015 – 2017	Instructor	Preventive Medicine, Department of Medicine, University of Alabama at Birmingham
2010 – 2015	Research Associate	Preventive Medicine, UAB Department of Medicine, University of Alabama at Birmingham
2006 – 2010	Educational Research Consultant	Preventive Medicine, UAB Department of Medicine, University of Alabama at Birmingham

**Secondary:**

2020 – present	Level II Faculty	UAB Graduate School
2020 – present	Associate Scientist	UAB Center for Clinical and Translational Science
2017 – present	Assistant Professor	Preventive Medicine, Department of Medicine, University of Alabama at Birmingham
2016 – present	Scientist	UAB Center for Outcomes and Effectiveness Research and Education
2016 – present	Associate Scientist	UAB Cystic Fibrosis Research Center
2016 – present	Associate Scientist	UAB Minority Health & Health Disparities Research Center

## AWARDS/HONORS

2021	Research Achievement Award (Junior Faculty), UAB Department of Pediatrics
2021	Best of 2020, <i>Journal of Cystic Fibrosis</i>
2020	Mentor of Best Clinical Abstract, UAB 5 <sup>th</sup> Annual Pediatric Science Day
2019	Mentor of Best Clinical Abstract, UAB 4 <sup>th</sup> Annual Pediatric Science Day
2018	Fellow, NHLBI/OBSSR Summer Institute on Randomized Behavioral Clinical Trials
2017	Research Supplement Award (3 <sup>rd</sup> place Instructor), UAB Department of Medicine
2016	Scholar, UAB K12 Patient Centered Outcomes Research (PCOR) Program
2015	Finalist, Junior Investigators Best Abstract in Clinical Research Award, 29 <sup>th</sup> North American Cystic Fibrosis Conference
2015	Nominee, Samuel B. Barker Award for Excellence in Graduate Studies
2014	Dean's Outstanding Doctoral Student Award, UAB College of Arts and Sciences

## PROFESSIONAL SOCIETIES/MEMBERSHIPS

2019 – present	Society for Pediatric Research
2019 – present	American Academy of Pediatrics, Section on Tobacco Control
2015 – present	American Thoracic Society
2016 – 2018	Society of Behavioral Medicine

## PROFESSIONAL CONSULTANTSHIPS

2018 – 2021	International Biophysics Corporation
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## COUNCILS AND COMMITTEES

### National

2021	<b>NIH Rapid Acceleration of Diagnostics Underserved Populations (RADx-UP)</b> <ul style="list-style-type: none"><li>○ Chair, Social Determinants of Health Workgroup</li></ul>
2020 – present	<b>National COVID Cohort Collaborative (N3C), NIH/NCATS</b> <ul style="list-style-type: none"><li>○ Member, Social Determinants of Health Workgroup</li></ul>
2022 – 2024	<b>Cystic Fibrosis Foundation</b> <ul style="list-style-type: none"><li>○ Member, Steering Committee, Success with Therapies Research Consortium</li></ul>
2021	<ul style="list-style-type: none"><li>○ Member, Telehealth and Remote Monitoring Workshop</li></ul>
2020 – present	<ul style="list-style-type: none"><li>○ Chair, Food Insecurity Committee, Research Workgroup</li></ul>
2020 – present	<ul style="list-style-type: none"><li>○ Member, Racial Justice External Working Group</li></ul>
2020 – present	<ul style="list-style-type: none"><li>○ Member, mHealth Workgroup, Success with Therapies Research Consortium</li></ul>
2019 – present	<ul style="list-style-type: none"><li>○ Member, Food Insecurity Committee</li></ul>
2017 – 2020	<ul style="list-style-type: none"><li>○ Co-chair, Community Project, Success with Therapies Research Consortium</li></ul>
2017 – present	<ul style="list-style-type: none"><li>○ Member, Publications &amp; Presentations Committee, Success with Therapies Research Consortium</li></ul>
2019	<b>North American Cystic Fibrosis Conference</b> <ul style="list-style-type: none"><li>○ Chair, Health Policy and Social Determinants of Health</li></ul>
2021	<b>The COPDGene Study</b> <ul style="list-style-type: none"><li>○ Member, Race, Spirometry, and Census Data Workgroup</li></ul>
2017 – 2020	<ul style="list-style-type: none"><li>○ Member, Social and Behavioral Sciences Workgroup</li></ul>
2021	<b>Multicenter AIDS Cohort Study/Women's Interagency HIV Study</b> <ul style="list-style-type: none"><li>○ Member, UAB-UMMC Combined Cohort Study Workgroup on Social Determinants of Health in Adults Living with HIV</li></ul>

### Local

2019 – present	Member, Children's of Alabama Tobacco-Free Task Force
2009 – 2017	Member, UAB Pediatric Pulmonary Center Parent Advisory Board
2007 – 2015	Member, UAB/Children's of Alabama CF Center Parent Advisory Board

## UNIVERSITY ACTIVITIES

2021	Panelist, UAB School of Medicine Undergraduate Medical Education Diversity in Healthcare Forum: Health Disparities Panel
2021 – present	Leader, UAB Social Informatics Workgroup
2020 – present	Leader, Department of Pediatrics Research Works in Progress Forum
2019 – present	Co-Leader, Department of Pediatrics Health Disparities Research Group
2018 – present	Leader, Social Determinants of Health Core, UAB Minority Health & Health Disparities Research Center
2017 – 2018	Member, Adherence Working Group, UAB Center for AIDS Research
2020 – 2021	Panelist on 10 grant review panels, UAB Center for Clinical and Translational Science
2020 – 2021	Grant reviewer, Deep South Research Center for Minority Aging Research
2020	Grant reviewer, Kaul Pediatric Research Institute (KRPI) awards
2018 – present	Grant reviewer, UAB Health Disparities Research Training Program
2015 – 2016	Grant consultant, UAB SOM Office of Diversity and Multicultural Affairs
2015 – 2016	Abstract reviewer, UAB Health Disparities Research Symposium
2019	Poster judge, Cystic Fibrosis Trainee-Mentor Research Day
2017 – 2019	Poster judge, UAB Health Disparities Research Symposium
2010 – 2018	Poster judge, MHRC Summer Enrichment Program
2017	Poster judge, Center for Healthy African American Men through Partnerships
2010 – 2017	Director of Research, UAB Minority Health & Health Disparities Research Center

## SCIENTIFIC REVIEW ACTIVITIES

<b>Grants:</b>	UK Medical Research Council/Economic and Social Research Council/Australian National Health and Medical Research Council	2019
	Cystic Fibrosis Foundation	2018
	Centers for Disease Control and Prevention	2009 – 2011
<b>Abstracts:</b>	North American Cystic Fibrosis Conference	2019
<b>Journals:</b>	Reviewer, <i>American Journal of Preventive Medicine</i>	
	Reviewer, <i>Annals of the American Thoracic Society</i>	
	Reviewer, <i>Australian and New Zealand Journal of Public Health</i>	
	Reviewer, <i>BMC Pulmonary Medicine</i>	
	Reviewer, <i>BMJ Open</i>	
	Reviewer, <i>Chest</i>	
	Reviewer, <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i>	
	Reviewer, <i>ERJ Open Research</i>	
	Reviewer, <i>Ethnicity and Disease</i>	
	Reviewer, <i>Expert Review of Respiratory Medicine</i>	
	Reviewer, <i>Frontiers in Public Health</i>	
	Reviewer, <i>JAMA Pediatrics</i>	
	Reviewer, <i>Journal of Cystic Fibrosis</i>	
	Reviewer, <i>Journal of Medical Internet Research</i>	
	Reviewer, <i>Journal of Pediatrics</i>	
	Reviewer, <i>Journal of Social Science Research</i>	
	Reviewer, <i>Medical Care</i>	
	Reviewer, <i>New England Journal of Medicine</i>	
	Reviewer, <i>Nicotine &amp; Tobacco Research</i>	
	Reviewer, <i>Pediatric Pulmonology</i>	
	Reviewer, <i>PLOS One</i>	
	Reviewer, <i>Preventive Medicine</i>	
	Reviewer, <i>Respiratory Care</i>	
	Reviewer, <i>Respiratory Medicine</i>	

Reviewer, *Seminars in Arthritis and Rheumatism*  
 Reviewer, *Sociology of Race and Ethnicity*  
 Reviewer, *Tobacco Control*  
 Reviewer, *Translational Behavioral Medicine*  
 Reviewer, *Women's Health Issues*

Special issue coordinator, *American Journal of Preventive Medicine*: "Social Determinants of Health: Research, Practice, Policy." *Am J Prev Med.* 2017 Jan;52(1S1)

Chief manuscript reviewer, The Coronary Artery Risk Development in Young Adults (CARDIA) Study

## MAJOR RESEARCH INTERESTS

- Social determinants of health and health disparities
- Patient-centered outcomes and health services research
- Mobile health, adherence, and self-management of chronic respiratory diseases

## TEACHING EXPERIENCE

### Didactic coursework

2021 – 2022	Graduate Medical Education Health Disparities Academy: "Place and Health" (asynchronous content and synchronous monthly sessions)
2021	GRD 717 Principles of Scientific Ethics, Responsible Conduct of Research Training Workshop
2018 – 2020	Research Faculty, Pediatric Pulmonary Center
2020	PhD Program Summer Intensive, UAB School of Nursing
2018	Stressful Life Events and Diet in Adolescence. Intensive Course in Pediatric Nutrition, UAB School of Medicine
2017 – 2019	EPI 602 Chronic Disease Epidemiology, UAB School of Public Health
2016	SOC 786 Health Disparities, UAB Department of Sociology
2016	Understanding the Social Determinants of Health: Patient, Physician, and Society for Medical Students, UAB School of Medicine
2015	Introduction to Health Disparities. Health Disparities for Medical Students, UAB School of Medicine
2014	SOC 410/601 Social Statistics, UAB Department of Sociology
2009 – 2015	Course Master, Scientific Writing I: MHRC Summer Enrichment Program

### Mentoring and scholarship oversight

Name, degree, position	Mentorship type	Period	Current position
<b>Undergraduate students</b>			
Makayla Drew, Virginia State University	NIDDK/UAB Short-Term Research Experience for Under-represented Persons (STEP-UP)	2021	Student, Virginia State University
Cassidy Stoddart, UAB Sociology	Research in Aging through Mentorship & Practice (RAMP-UP)	2021-2022	Student, UAB
<b>Graduate and medical students</b>			
June Wolford, BS, MS1, UAB SOM	Research internship	2021	MS2, UAB SOM
William Freeman, BS, MS2, UAB SOM	Mentor of Scholarly Activity	2021	MS3, UAB SOM
Tiffany Tucker, BA, UAB CAS, Psychology	Member of Thesis Committee	2020-2021	UAB CAS, PhD student
Jane Hampton, BS, MS2-3, UAB SOM	Research internship	2019-2021	MS4, UAB SOM
Annabelle Friedman, BA, MS2-3, UAB SOM	Research internship	2019-2021	MS4, UAB SOM
Suranjana Dey, MD, MS3-4, UAB SOM	Research internship	2018-2019	PGY3, Ohio State University

Fellows			
Lece Viva Webb, MD, Fellow, Pediatric Critical Care, UAB SOM	Mentor, Chu Family Educational Scholarship	2021	Fellow, Pediatric Critical Care, UAB SOM
Kyle Bliton, MD, Fellow, Pediatric Pulmonology, UAB SOM	Primary mentor, Scholarly Oversight Committee	2020-2022	Fellow, Pediatric Pulmonology, UAB SOM
Claire Keith, MD, Fellow, Pediatric Gastroenterology, UAB SOM	Member, Scholarly Oversight Committee	2020-2021	Fellow, Pediatric Gastroenterology, UAB SOM
Mohini Gunnnett, MD, Fellow, Pediatric Pulmonology, UAB SOM	Member, Scholarly Oversight Committee	2020-2021	Fellow, Pediatric Pulmonology, UAB SOM
Faculty			
Jenni Wise, PhD, MSN, RN, Assistant Professor, UAB SON	Co-Mentor, K12 Career Development Award	2020-2022	Assistant Professor, UAB SON
Sara Davis, PhD, RN, PCNS-BC, Assistant Professor, USA Nursing	Co-Mentor, KL2 Career Development Award	2020-2022	Assistant Professor, USA College of Nursing
Vanessa Cardenas-Soto, MD, Assistant Professor, Pediatric Gastroenterology, UAB SOM	Mentor, Health Disparities Research Education Program	2019-2020	Assistant Professor, Pediatric Gastroenterology, UAB SOM
Emily Smitherman, MD, Assistant Professor, Pediatric Rheumatology, UAB SOM	Mentor, Health Disparities Research Education Program	2019-2020	Assistant Professor, Pediatric Rheumatology, UAB SOM

### Community teaching experiences and presentations

1. Where Health Disparities Begin. Impact America, Inc., Oct 16, 2015, Birmingham, AL.
2. Grant Writing for Health Disparities: Community Workshop. June 8-9, 2016, New Orleans, LA.
3. Race and Social Vulnerability: Lessons from the COVID-19 Pandemic. Invited presentation at the Albert Schweitzer Fellowship Chapters, Jul 22, 2021 (virtual due to COVID-19).

### GRANT SUPPORT

#### Active Grants:

#### A. Extramural

**U01MD017432 (Oates)** 12/01/21 – 11/30/23  
 NIH/NIMHD \$1,187,991 total  
*Reducing Ethical and Social Prejudicial Effects of COVID-19 Testing in Underserved Populations (RESPECT-UP)*

This project will assess and address the social, ethical, and behavioral implications of COVID-19 testing in vulnerable urban and rural racially diverse populations in Alabama, and develop RESPECT-UP toolkits to improve the equity, access, and uptake of current and future COVID-19 testing. Role: PI

**OATES20A0-I (Oates)** 01/01/2022 – 12/31/2022  
 Cystic Fibrosis Foundation \$5,000 total  
*Food Insecurity Screening in Cystic Fibrosis Programs: A Qualitative Investigation*

This project aims to understand factors surrounding food insecurity and related challenges among people with CF and their caregivers. Role: PI

**ADPH GC-21-132 (Oates)** 10/1/2021 – 09/30/2022  
 Alabama Department of Public Health \$76,000 total  
*Healthy Communities for a Tobacco-Free Future*

This project delivers e-cigarette prevention curriculum to middle- and high-school students in the Birmingham Metro area to reduce adolescents' intent to use e-cigarettes. Role: PI

**OATES20A0-I (Oates)** 01/01/2021 – 12/31/2022  
Cystic Fibrosis Foundation \$179,200 total  
*Clinical Effort Against Smoke Exposure in Cystic Fibrosis (CEASE-CF)*  
This project tests the feasibility, acceptability, and preliminary efficacy of a multi-component smoking cessation intervention tailored to the needs of CF caregivers and delivered in clinical settings as part of routine CF care. Role: PI

**OATES18PE0 (Oates, Site PI)** 08/01/2018 – 07/31/2023  
Cystic Fibrosis Foundation \$162,000 total  
*Success with Therapies Research Consortium*  
The goal of this Consortium is to identify and test interventions that enhance successful adherence to therapies and self-management of cystic fibrosis. Role: Site PI

**3P30 DK072482-13S1 (Rowe)** 09/01/2019 – 02/28/2022  
NIH/NIDDK \$294,941 total  
*Cystic Fibrosis Research Center (CFRC) Supplement*  
This project aimed to investigate whether ivacaftor can augment CFTR activity in individuals with COPD and chronic bronchitis, improving lung function and respiratory symptoms. Role: Co-PI

**U54MD000502-17S1 (Fouad; Oates, Project PI)** 09/01/2019 – 07/31/2022  
NIH/NIMHD \$1,053,156 total  
*Obesity Health Disparities Research Center (OHDRC) Regional Expansion*  
This supplement regionalizes the OHDRC by partnering with Louisiana State University, the University of Mississippi Medical Center, and Jackson State University to impact health disparities in obesity and chronic diseases. The full project, Common Data Elements, links area-level social determinants of health to clinical data to develop risk stratification tools for major chronic diseases. Role: Project PI

**U54MD000502-19S1 (Fouad)** 11/13/2020 – 07/31/22  
NIH/NIMHD \$1,576,328 total  
*Obesity Health Disparities Research Center (OHDRC): COVID-19 Testing Model among Vulnerable Populations: From Community Engagement to Follow-Up*  
This RADx-UP project will implement a mobile community-based COVID-19 testing model and evaluate its impact for improved access, acceptance, uptake, and follow-up to testing. Role: Co-Investigator

**OT2HL158257 (Fouad/Cherrington/Judd/Kimberly)** 09/09/2020 – 03/31/2022  
NIH/NHLBI \$2,288,001 total  
*Alabama Community-Engagement Research Alliance Against COVID-19 (Alabama CEAL)*  
This project helps increase enrollment in COVID-related clinical trials among disproportionately affected populations. Role: Co-Investigator

**CFF GUTIER18QI1 (Gutierrez)** 07/01/2018 – 06/30/2022  
Cystic Fibrosis Foundation \$1,523,370 total  
*Cystic Fibrosis Training Network: Latin America*  
This project will implement a sustainable training program for CF Centers in Latin America to improve quality of care, clinical outcomes, and life expectancy of CF patients in Latin America. Role: Co-PI

**B. Intramural**

**KPRI 3123287 (Oates)** 04/01/2021 – 03/31/2023  
Kaul Pediatric Research Institute \$65,000 total  
*Mobile health platform for management of cystic fibrosis: a pragmatic trial*  
This project will test Genia, a patient support system with a patient-facing app, in real-world clinical settings with patients and providers at the UAB/COA pediatric CF Center. Role: PI

**GC A Healthier AL (Fouad)** 07/01/2019 – 06/30/2022  
University of Alabama at Birmingham \$2,700,000 total  
*Grand Challenge: Healthy Alabama 2030*  
This project will make targeted policy, system, and environment changes that will facilitate physical activity, nutrition, and prevention/wellness, leading to improved chronic disease outcomes with a goal of moving Alabama out of the bottom 10 in national health rankings by 2030. Role: Co-PI

**Completed Grants:**

**A. Extramural**

**ACS-65221 (Oates)** 11/1/2019 – 10/31/2021  
American Cancer Society \$20,000 total  
*UAB Tobacco-Free Generation Campus Initiative*

This project supported education, outreach, and awareness activities to reduce the use of tobacco, including e-cigarettes, on the university campus. Role: PI

**C10114065 (Oates)** 10/1/2020 – 09/30/2021  
Alabama Department of Public Health \$99,700 total  
*Healthy Birmingham Metro Communities for a Tobacco-Free Future*

This project delivered e-cigarette prevention curriculum to middle- and high-school students in the Birmingham Metro area to reduce adolescents' intent to use e-cigarettes. Role: PI

**2021271 (Phan; Oates, Site PI)** 05/29/2019 – 07/28/2021  
CF Foundation/Boston Children's Hospital \$17,785 total  
*Feasibility of a Mobile Medication Plan Application in CF Patient Care*

This project tested the feasibility of a mobile app for medication self-management and adherence in CF care. Role: Site PI

**P30 DK072482 (Rowe)** 05/01/2019 – 04/30/2021  
NIH/NIDDK \$150,000 total  
*Impact of Second-hand Smoke on Response to CFTR Correction in CF Patients*

This project defined the consequences of second-hand smoke exposure on CFTR modulator response and CF respiratory decline using both self-reported and objective measures of exposure. Role: Pilot project PI

**CFF GUTIER18QI0 (Gutierrez)** 08/01/2018 – 07/31/2020  
Cystic Fibrosis Foundation \$91,152 total  
*Optimization of the Alabama CF Newborn Screening Program*

This project improved the participation of primary care pediatricians in screening, work with local health departments to help families overcome barriers to sweat testing, and improve the family experience by streamlined communication of screening results. Role: Co-PI

**2 U01 HG007301-05 (Korf/Cooper)** 08/01/2017 – 10/01/2018  
NIH/NHGRI \$2,368,825/year  
*Clinical sequencing across communities in the Deep South*

This project tested an alternative modality for communication of results to allow expansion of genomic testing into community settings. An RTC aimed to demonstrate that community-based genetic counseling is non-inferior to counseling by genetic counsellors. Role: Investigator

**U54MD008602 (Benjamin/Pisu)** 07/01/2013 – 06/30/2018  
NIH/NIMHD \$3,500,000/year

*Gulf States Collaborative Center for Health Policy Research*

This center sought to reduce the burden of chronic disease in vulnerable populations and increase community resilience through policy change and health system improvement. Role: Program Director

**U54MD008620 (Vickers)** 07/01/2013 – 06/30/2018  
NIH/NIMHD \$3,500,000/year

*National Transdisciplinary Collaborative Center for African American Men's Health*

This center addressed disparities affecting African American men, including disparities in unintentional and violence-related injuries and chronic diseases across the life course. Role: Program Director

**U54MD008176 (Fouad)** 09/26/2012 – 07/31/2017  
NIH/NIMHD \$3,500,000/year

*Mid-South Transdisciplinary Collaborative Center for Health Disparities Research*

This center sought to reduce disparities in chronic disease burden experienced by African Americans in six Mid-South states by addressing the social determinants of health. Role: Program Director

**2P60MD000502-10 (Fouad/Scarinci)** 09/20/2012 – 03/31/2017  
NIH/NIMHD \$808,351/year

*Comprehensive Minority and Health Disparities Research Center (MHDRC) – Phase III*

This center generated new knowledge on minority health and health disparities in the areas of cancer prevention and control, cardiovascular disease, and their risk factors in African American and Hispanic populations. Role: Program Director

**B. Intramural**

**GL # Not Assigned (Oates)** 8/1/2020 – 1/31/2021  
UAB Urgent High-Impact COVID19 Research V 2.0 \$45,000 total

*Individual- and area-level risk factors for COVID-19 disparities in the Deep South*

This project defined the contributions of race, comorbidities, and social determinants of health to COVID-19 diagnosis-based incidence, progression to high-acuity disease, and death in Alabama, Mississippi, and Louisiana. Role: PI

**KPRI 000522124 (Oates)** 02/01/2019 – 01/31/2021  
Kaul Pediatric Research Institute \$70,000 total

*Technology-enabled Patient Support System for Self-Management of Pediatric Cystic Fibrosis*

This project refined and pilot-tested a technology-enabled patient support system as a self-management tool for children with CF and their caregivers. Role: PI

**K12HS023009 (Saag; Oates, K12 Scholar)** 08/01/2016 – 07/31/2018  
AHRQ/UAB K12 PCOR \$284,000 total

*Social Determinants of Adherence to Pulmonary Rehabilitation in COPD*

This career development award used a mixed methods approach to assess social determinants of adherence to pulmonary rehabilitation among patients with COPD. Role: PI

**U54MD008176 (Fouad; Oates, Pilot project PI)** 11/01/2016 – 07/31/2017  
NIH/NIMHD \$15,000 total

*Psychosocial Determinants of Medication Adherence in the REGARDS Cohort*

This study used data from the Reason for Geographic and Racial Differences in Stroke (REGARDS) cohort to investigate the relationship between social determinants of health, health behaviors, and medication adherence in four chronic diseases. Role: Pilot project PI

**U54MD008176 (Fouad; Oates, Pilot project PI)** 08/01/2016 – 07/31/2017  
NIH/NIMHD \$100,000 total



### *Bikeshare for Low-Income Urban Communities: A Mixed Methods Feasibility Study*

This study linked three types of data – bikeshare utilization, socio-demographic, and environmental – and followed up on the quantitative findings with a qualitative research to explore the feasibility of bikeshare programs in low-income urban neighborhoods. Role: Pilot project PI

#### **GL # NOT ASSIGNED (Oates)**

UAB Cystic Fibrosis Research Center

*Vest Therapy Adherence and Cystic Fibrosis Outcomes*

3/10/2014 – 3/9/2015

\$1,200 total

This project investigated the association between socioeconomic status and adherence to airway clearance therapy in CF and explored the role of adherence for pediatric CF outcomes. Role: PI

### **BIBLIOGRAPHY**

ORCID: 0000-0003-4052-1524

### **PEER-REVIEWED MANUSCRIPTS**

\* *Mentored student or fellow*

1. **Oates GR**, Stepanikova I, Gamble S, Gutierrez HH, Harris WT. Adherence to Airway Clearance Therapy in Pediatric Cystic Fibrosis: Socioeconomic Factors and Respiratory Outcomes. *Pediatr Pulmonol*. Oct 2015; 50(12):1244-52. PMID: PMC487169.
2. Stepanikova I and **Oates GR**. Dimensions of Racial Identity and Perceived Discrimination in Health Care. *Ethn Dis*. 2016;26(4):501-512. PMID: PMC5072479.
3. Stepanikova I, **Oates GR**, and Bateman LB. Does One Size Fit All? The Role of Body Mass Index and Waist Circumference for Systemic Inflammation in Midlife by Race and Gender. *Ethn Health*. 2016 Apr;22(2):169-183. PMID: PMC5495111.
4. Jackson BD, **Oates GR**, Singh KP, Shikany JM, Fouad MN, Partridge EE, Bae S. Disparities in Chronic Medical Conditions in the Mid-South. *Ethn Health*. 2016 Apr;22(2):196-208. PMID: PMC5396537.
5. Fouad MN, Acemgil A, Bae S, Forero A, Martin MY, **Oates GR**, Partridge EE, Vickers SM. Patient Navigation as a Model to Increase Minority Participation in Cancer Clinical Trials. *J Oncol Pract*. 2016 Jun;12(6):556-63. PMID: PMC4957258.
6. **Oates GR**, Schechter MS. Socioeconomic Status and Health Outcomes: Cystic Fibrosis as a Model. *Expert Rev Respir Med*. 2016 Sep;10(9):967-77. PMID: 27268142.
7. Tabatabai MA, Kengwong-Keumo JJ, **Oates GR**, Guemmegne JT, Akinlawon A, Ekadi G, Fouad MN, Singh KP. Racial and Gender Disparities in Incidence of Lung and Bronchus Cancer in the United States: A Longitudinal Analysis. *PLoS One*. 2016 Sep 29;11(9):e0162949. PMID: PMC5042522.
8. Britton LJ, **Oates GR**, Oster RA, Self ST, Troxler RB, Hoover WC, Gutierrez HH, Harris WT. Risk Stratification Model to Detect Early Pulmonary Disease in Infants with Cystic Fibrosis Diagnosed by Newborn Screening. *Pediatr Pulmonol*. 2016 Nov;51(11):1168-1176. PMID: PMC531985.
9. **Oates GR**, Jackson BD, Partridge EE, Singh KP, Fouad MN, Bae S. Sociodemographic Patterns of Chronic Disease: How the Mid-South Region Compares to the Rest of the Country. *Am J Prev Med*, 2017 Jan;52(1S1):S31-S39. PMID: PMC5171223.
10. Stepanikova I and **Oates GR**. Perceived Discrimination and Privilege in Health Care: The Role of Socioeconomic Status and Race. *Am J Prev Med*, 2017 Jan;52(1S1):S86-S94. PMID: PMC5172593.
11. Fouad MN, **Oates GR**, Scarinci IC, Demark-Wahnefried W, Payton M, Sims M, Miele L, Partridge EE. Advancing the Science of Health Disparities through Research on the Social Determinants of Health. *Am J Prev Med*, 2017 Jan;52(1S1):S1-S4. PMID: PMC5333867.

12. Stepanikova I, Bateman L, **Oates GR**. Systemic Inflammation in Midlife: Race, Socioeconomic Status, and Perceived Discrimination. *Am J Prev Med*, 2017 Jan;52(1S1):S63-S76. PMID: PMC5319849.
13. Cockerham WC, Hamby B, **Oates GR**. The Social Determinants of Chronic Disease. *Am J Prev Med*, 2017 Jan;52(1S1):S5-S12. PMID: PMC5328595.
14. **Oates GR**, Hamby BW, Stepanikova I, Knight SJ, Bhatt SP, Hitchcock J, Schumann C, Dransfield MT. Social Determinants of Adherence to Pulmonary Rehabilitation in Chronic Obstructive Pulmonary Disease. *COPD*. 2017 Nov 14(6): 610-617. PMID: PMC5830088.
15. **Oates GR**, Hamby BW, Norena MC, Hart HO, Fouad MN. Bikeshare Use in Urban Communities: Individual and Neighborhood Factors. *Ethn Dis* 2017 Nov 10; Suppl 1:303-312. PMID: PMC5684774.
16. **Oates GR**, Phillips JM, Bateman LB, Baskin ML, Fouad MN, Scarinci IC. Determinants of Obesity in Two Urban Communities: Perceptions and Community-Driven Solutions. *Ethn Dis* 2018; 28(1):33-42. PMID: PMC5794446.
17. Stepanikova I, Baker E, **Oates GR**, Acharya S, Uddin J, Thon V, Svancara J, Kukla L. Perinatal Maternal Stress and Susceptibility to Infections in Later Childhood: An Early Life Programming Perspective. *J Psychology J Psychol*. 2019;153(1):67-88. PMID: 30265824.
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  - *Best of 2020, Journal of Cystic Fibrosis; featured at the 44<sup>th</sup> European Cystic Fibrosis Conference, June 9-12, 2021*
  - *Featured in an editorial, J Cyst Fibros. 2021 Jun 5:S1569-1993(21)00127-2.*
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  - *Featured in Year in Review, 2021 North American Cystic Fibrosis Conference*
31. Alishlash AS, Rutland SB, Friedman AJ\*, Hampton JI,\* Nourani P, Lebensburger J, **Oates GR**. Acute Chest Syndrome in Pediatric Sickle Cell Disease: Associations with Racial Composition and Neighborhood Deprivation. *Pediatr Blood & Cancer* 2021 Apr;68(4):e28877. Epub 2021 Jan 6. PMID: 33405365.
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33. **Oates GR**, Schechter MS. Social Inequities and Cystic Fibrosis Outcomes: We Can Do Better. *Annals ATS*, 2021:18(2), 215-217. PMID: PMC7869792.
  - *Invited editorial*
34. Bateman LB, Fouad MN, Sullivan A, Heider L, **Oates GR**. Barriers and Facilitators to Bikeshare Programs: A Qualitative Study in an Urban Environment. *J Transport & Health* 2021 Jun;21:101062. PMID: PMC8104309.
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38. **Oates GR**, Baker E, Collaco JM, Rowe SM, Rutland SB, Fowler CM, Harris WT. Cessation of smoke exposure improves pediatric CF outcomes: Longitudinal analysis of CF Foundation Patient Registry data. *J Cyst Fibros.* 2021 Jul 16:S1569-1993(21)01301-1. PMID: 34281808.
  - *Featured in an editorial, J Cyst Fibros. 2021 Jun 5:S1569-1993(21)00127-2.*

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41. Akbari SHA, **Oates GR**, Gonzalez-Sigler I, Arynchyna AA, McCroskey J, Alford EN, Leon TJ, Rutland SB, Johnston JM, Blount JP, Rozzelle CJ, Rocque BG. Care for Chiari Malformation Type I: The Role of Socioeconomic Disadvantage and Race. *J Neurosurg Pediatr.* 2021 Nov 26:1-7. DOI: 10.3171/2021.9.PEDS21258. PMID: 34826804.
42. Albon D, Van Citters AD, Ong T, Dieni O, Dowd D, Willis A, Sabadosa KA, Scalia P, Reno K, **Oates GR**, Schechter MS. Telehealth Use in Cystic Fibrosis during COVID-19: Association with Race, Ethnicity, and Socioeconomic Factors. *J Cyst Fibros.* 2021 Dec;20 Suppl 3:49-54. DOI: 10.1016/j.jcf.2021.09.006. PMID: 34930543.
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44. **Oates GR**, Schechter MS. Socioeconomic Determinants of Respiratory Decline in Patients with Cystic Fibrosis: Implications for Treatment Strategies. *Expert Rev Respir Med (in press)*.
  - Invited review

### **Under review**

1. Crivelli J, Redden DT, Johnson RD, Juarez LD, Maalouf NM, Hughes AE, Wood KD, Assimos DG, **Oates GR**. Associations of Obesity and Neighborhood Characteristics with Urinary Risk Factors for Kidney Stone Disease. *AJPM.*
2. **Oates GR**, Rutland SB, Geurs R, Mims C, Bergquist RP, Hager A, Mims C, Hartzes AM, Gutierrez HH. A Mobile Health Platform for Self-management of Pediatric Cystic Fibrosis: Impact on Patient-Reported Outcomes and Patient-Centered Care. *J Cystic Fibros.*
3. Gaiha SM, Warnock A, Kile S, Brake K, do Rosario CV, **Oates GR**, Halpern-Felsher B, Walley SC. Does Virtual vs In-Person E-Cigarette Education Have a Differential Impact? Comparison of Effects on Adolescents' Knowledge, Perceived Addictiveness, and Intent to Try E-cigarettes. *Health Education and Behavior.*
4. Martin RC, Shan L, Geldmacher DS, Pilonieta G, Kennedy RE, **Oates GR**, Kim Y, Pisu M. Social Determinants of Alzheimer's Disease and Related Dementias: Racial and Regional Variations across U.S. Medicare Fee-for-Service Beneficiaries. *Alzheimer's Disease & Assoc Disorders Internat J.*
5. **Oates GR**, Schechter MS. Cystic Fibrosis. *Clinics in Chest Medicine* special issue: "Aiming to Improve Equity in Pulmonary Health." Drew Harris, Emily Brigham and Juan Carlos Celedon (eds).
  - Invited review
6. Murdaugh DL, Tucker T,\* Saadoon Alishlash A, Lebensburger JD, Clay OJ, **Oates GR**, Nourani A, Bhatia S. The association between sleep disturbances and neurocognitive function in pediatric sickle cell disease. *Sleep Medicine*

### **BOOKS AND BOOK CHAPTERS**

1. **Oates GR**, Schechter MS. "Cystic Fibrosis." In: *Achieving Respiratory Health Equality: A United States Perspective*, ed. Juan Carlos Celedón. Springer (Humana Press), 2016.

2. **Oates GR**, Sabadosa KA, Porco KQ, Mims C. "Which Types of Providers Can Help Me with My CF?" In: *Facing Cystic Fibrosis: A Guide for Patients and Their Families*. Yelizaveta Sher, Anna M. Georgiopoulos, and Theodore A. Stern (eds.) MGH Psychiatry Academy, 2019.
3. **Oates GR**, Schechter MS. "Health Disparities." In: *Cystic Fibrosis: A Multi-Organ System Approach*. Stephanie D. Davis, Margaret Rosenfeld, James Chmiel (eds.) Springer Nature, 2020.

## **PUBLISHED ABSTRACTS**

\* *Mentored student or fellow*

1. **Oates GR**, Britton LJ, Gamble S, Harris WT. Socioeconomic Status, Adherence to Airway Clearance Therapy, and Respiratory Outcomes in Pediatric Patients with Cystic Fibrosis. *Pediatr Pulmonol* 2015 Oct;50 Suppl 41:S444.
2. **Oates GR**, Britton LJ, Gamble S, Mims C, Oster RA, Gutierrez HH, Harris WT. Impact of Socio-Environmental Factors on Initial Pulmonary Function Test in Pediatric Patients with Cystic Fibrosis. *Am J Resp Crit Care Med*, Vol. 193, May 2016.
3. **Oates GR**, Hamby BW, Stepanikova I, Knight SJ, Bhatt SP, Hitchcock J, Schumann C, Dransfield MT. Individual and Neighborhood Determinants of Adherence to Pulmonary Rehabilitation for COPD. *J COPD Found*, Vol. 4, Issue 4, Oct 2017.
4. **Oates GR**, Zhu A, Stepanikova I, Thomas LJ, Gamble S, Mims C, Gutierrez HH, Harris WT. Impact of Tobacco Smoke Exposure on Pulmonary Function in Pediatric Cystic Fibrosis Patients. *J Cystic Fibros*, 17:S9, June 2018.
5. **Oates GR**, Baker E, Zhu A, Rowe SM, Gutierrez HH, Thomas LJ, Harris WT. Tobacco Smoke Exposure and Income as Independent Predictors of Pulmonary Decline in Pediatric CF. *Pediatr Pulmonol* 53(S2), Sep 2018, S148-S456.
6. **Oates GR**, Gamble S, Gutierrez HH, Rowe SM, Harris WT. Self-reported vs Objective Adherence to Airway Clearance Therapy in Pediatric Cystic Fibrosis. *Pediatr Pulmonol* 53(S2), Sep 2018, S148-S456.
7. Zhu A, Gamble S, Harris WT, Gutierrez HH, **Oates GR**. Adherence to Airway Clearance with High Frequency Chest Wall Oscillation and Change in Lung Function Three Years Later. *Pediatr Pulmonol* 53(S2), Sep 2018, S148-S456.
8. Mims C, Gamble S, Hines L, Villari K, Hoover W, Thomas L, **Oates GR**. Increasing Documentation of Reliable PFT. *Pediatr Pulmonol* 53(S2), Sep 2018, S148-S456.
9. Tarn V, Self S, Anderson V, **Oates GR**, Gutierrez H. Improving Nutritional Outcomes of Patients with CF by Home Delivery of Snack Boxes. *Pediatr Pulmonol* 53(S2), Sep 2018, S148-S456.
10. **Oates GR**, Dey S,\* Zhu A, Gutierrez HH, Harris WT. Socio-environmental risk factors for methicillin resistant *Staphylococcus aureus* (MRSA) infection in paediatric cystic fibrosis patients. *J Cyst Fibros*, Vol. 18, June 2019, S78–S79.
11. **Oates GR**, Ott C, Niranjana S, Harris WT, Gutierrez HH, Scarinci IC. Reducing tobacco smoke exposure in paediatric cystic fibrosis: a qualitative examination of caregivers' and clinicians perspectives. *J Cyst Fibros*, Vol. 18, June 2019, S176.
12. Gutierrez HH, **Oates GR**, Harris WT, Hoover WC, Rowe SM. Area Deprivation as a Risk Factor for Methicillin-resistant *Staphylococcus Aureus* Infection in Pediatric Cystic Fibrosis. *Pediatr Pulmonol* 54(S2), Sep 2019, S230-S231.
13. **Oates GR**, Harris WT, Baker E, Gutierrez HH, Schechter MS, Morgan WJ, Rowe SM. Association of Tobacco Smoke Exposure and Household Income with Lung Function in Pediatric Cystic Fibrosis: A Longitudinal Analysis. *Pediatr Pulmonol* 54(S2), Sep 2019, S232.

14. Gutierrez HH, Gamble S, Rutland S, **Oates GR**. Effect of Aerobika®, an Oscillatory Positive Expiratory Pressure Device, on Lung Function in Pediatric Cystic Fibrosis Patients: A Longitudinal Analysis. *Pediatr Pulmonol* 54(S2), Sep 2019, S384.
15. **Oates GR**, Dunn KM, Frederick CA, Hall S, Maggs J, Niranjana S. Managing Daily Life with Cystic Fibrosis: Exploration of Patient and Parent Perspectives. *Pediatr Pulmonol* 54(S2), Sep 2019, S400.
16. **Oates GR**, Baker E, Rowe SM, Rutland S, Fowler CM, Harris WT. Tobacco smoke exposure limits therapeutic benefit of a CFTR modulator in pediatric patients with cystic fibrosis. *Am J Respir Crit Care Med*. 2020;201:A2667.
17. **Oates G**, Baker E, Rowe W, Rutland S, Harris W. Tobacco smoke exposure limits the benefit of Symdeko® in paediatric cystic fibrosis patients: Cystic Fibrosis Foundation Patient Registry analysis. May 2020. *J Cystic Fibros* 19:S22. DOI: 10.1016/S1569-1993(20)30235-6.
18. **Oates GR**, Baker E, Rutland SB, Harris WT, Rowe SM. Cessation of smoke exposure improves pediatric CF outcomes: Longitudinal analysis of CF Foundation Patient Registry data. *Pediatr Pulmonol* 55(S2), 06 Oct 2020, S95. DOI: 10.1002/ppul.25090
19. **Oates GR**, Baker E, Rutland SB, Harris WT, Rowe SM. Tobacco Smoke Exposure Limits the Therapeutic Benefit of Tezacaftor-Ivacaftor in Pediatric Patients with Cystic Fibrosis. *Pediatr Pulmonol* 55(S2), 06 Oct 2020, S92. DOI: 10.1002/ppul.25090
20. Rutland SB, Juarez LD, Schechter MS, **Oates GR**. The Association of Area Deprivation and Overall Child Health with Pediatric CF Respiratory Outcomes in the United States. *Pediatr Pulmonol* 55(S2), 06 Oct 2020, S96-97. DOI: 10.1002/ppul.25090
21. Rutland SB, Bergquist R, Hager A, Geurs R, Mims C, Gutierrez HH, **Oates GR**. Adaptation of an mHealth application (Genia) to the needs of CF patients, caregivers, and clinicians in the United States. *Pediatr Pulmonol*. Vol 55, Issue S2, 06 Oct 2020, S328. DOI: 10.1002/ppul.25090
22. Bailey J, Juarez LD, Rutland SB, **Oates GR**. Prevalence and correlates of overweight and obesity in a national cohort of children and adolescents with cystic fibrosis. *Pediatr Pulmonol* 55(S2), 06 Oct 2020, S94. DOI: 10.1002/ppul.25090
23. Self ST, Rutland SB, **Oates GR**, Gutierrez HH. Optimizing Newborn Screening for Cystic Fibrosis in the State of Alabama: A Quality Improvement Project. *Pediatr Pulmonol* 55(S2), 06 Oct 2020, S309. DOI: 10.1002/ppul.25090
24. Frederick CA, Dunn KM, Green A, Hall S, Lindwall J, Maggs J, Moffett K, Phan H, Prickett M, Saavedra MT, **Oates GR**. Perspectives of the CF Community on Research Ideas Related to Self-Management and Adherence. *Pediatr Pulmonol* 55(S2), 06 Oct 2020, S271. DOI: 10.1002/ppul.25090
25. Dickinson KM, Eckmann T, Quittner AL, Butcher JL, **Oates GR**, Prickett M, Schechter MS, Riekert KA. Socioeconomic Status Effects on Adherence Barriers to Chronic Therapies in CF. *Pediatr Pulmonol* 55(S2), 06 Oct 2020, S352. DOI: 10.1002/ppul.25090.
26. Crivelli J, Maalouf N, Yan P, Hughes A, His R, Canvasser N, Kachroo N, Leavitt D, Wood K, **Oates GR**, Hollingsworth J, Assimos D. Trends in the influence of gender, race, and ethnicity on the prevalence of kidney stones: A multi-institutional and claims analysis. *J Urology* Sep 2021. 206(3S): e952-e952
27. **Oates GR**, Rutland SB, Geurs R, Mims C, Bergquist RP, Hager A, Gutierrez HH. A Mobile Health Platform for Pediatric Cystic Fibrosis: Impact on Patient-Reported Outcomes and Patient-Centered Care. *J Cyst Fibros*, 20(S2), Nov 2021, S132-S133.
28. Bailey J, Brown G, Clemm C, Corbera-Hincapie M, Durham D, **Oates GR**, Reno K, Sapp S, Schechter M, Robinson K. Food Insecurity in the Cystic Fibrosis Care Center Network during COVID-19: Prevalence, Screening, and Interventions. *J Cyst Fibros*, 20(S2), Nov 2021, S161.

29. Martin R, Shan L, Geldmacher D, Pilonieta G, Kennedy R, **Oates GR**, Pisu M. Social Determinants of Alzheimer's Disease and Related Dementias: Racial and Regional Variations, *Innovation in Aging*, Vol 5, Suppl\_1, 2021, p. 101.
30. Pisu M, Martin R, Shan L, Pilonieta G, Kennedy R, **Oates GR**, Geldmacher D. Health Care Utilization in Diverse Older Adults in the Deep South and the Rest of the United States, *Innovation in Aging*, Vol 5, Suppl\_1, 2021, pp. 100-101.

## **POSTER EXHIBITS**

\* *Mentored student or fellow*

1. **Oates GR**, Stepanikova I, Britton LJ, Gamble S, Harris WT. Socioeconomic Status, Adherence to Airway Clearance Therapy, and Respiratory Outcomes in Pediatric Patients with Cystic Fibrosis. Basic and Translational Research Symposium of the 2015 UAB Pulmonary and Critical Care Update, Apr 10, 2015.
2. Fouad MN, Acemgil A, Bae S, Forero A, Martin MY, **Oates GR**, Partridge EE, Vickers SM. Patient Navigation as a Model to Increase Minority Participation in Cancer Clinical Trials. American Society of Clinical Oncology Annual Meeting, May 29-Jun 2, 2015, Chicago, IL.
3. **Oates GR**, Stepanikova I, Gamble S, Gutierrez HH, Harris WT. Adherence to Airway Clearance Therapy: Socioeconomic Factors and Respiratory Outcomes. 29<sup>th</sup> Annual North American Cystic Fibrosis Conference, Oct 8-10, 2015, Phoenix, AZ.
4. **Oates GR**, Britton LJ, Gamble S, Mims C, Oster RA, Gutierrez HH, Harris WT. Impact of Socio-Environmental Factors on Initial Pulmonary Function Test in Pediatric Patients with Cystic Fibrosis. 11<sup>th</sup> Annual Health Disparities Research Symposium, Apr 21, 2016, Birmingham, AL.
5. Jackson BE, **Oates GR**, Singh KP, Shikany J, Fouad MN, Partridge EE, Bae S. Disparities in Chronic Medical Conditions in the Mid-South: a Socio-Demographic Approach. 11<sup>th</sup> Annual Health Disparities Research Symposium, Apr 21, 2016, Birmingham, AL.
6. **Oates GR**, Britton LJ, Gamble S, Mims C, Oster RA, Gutierrez HH, Harris WT. Impact of Socio-Environmental Factors on Initial Pulmonary Function Test in Pediatric Patients with Cystic Fibrosis. American Thoracic Society 2016 International Conference, May 13-18, 2016, San Francisco, CA.
7. Bateman LB, Eady S, **Oates GR**, Schoenberger Y, Bae S, Fouad M. Assessing the Effectiveness of a Six-Week After School Intervention for Healthy Eating and Physical Activity. American Public Health Association 2016 Annual Meeting & Expo, Oct 29–Nov 2, 2016, Denver, CO.
8. **Oates GR**, Hamby BW, Stepanikova I, Knight SJ, Bhatt SP, Hitchcock J, Schumann C, Dransfield MT. Social Determinants of Adherence to Pulmonary Rehabilitation. Basic and Translational Research Symposium of the 2017 Pulmonary and Critical Care Update, Apr 28, 2017, Birmingham, AL.
9. **Oates GR**, Hamby BW, Norena MC, Hart HO, Fouad MN. Individual and Neighborhood Determinants of Bikeshare Use in Urban Communities. UAB Health Disparities Research Symposium, May 3, 2017, Birmingham, AL.
10. **Oates GR**, Hamby BW, Stepanikova I, Knight SJ, Bhatt SP, Hitchcock J, Schumann C, Dransfield MT. Individual and Neighborhood Determinants of Adherence to Pulmonary Rehabilitation in Chronic Obstructive Pulmonary Disease. COPD10USA Conference, Jul 28-29, 2017, Chicago, IL.
11. **Oates GR**, Baker E, Zhu A, Stepanikova I, Britton LJ, Gamble S, Harris WT. Impact of Socio-Environmental Factors on Lung Function in Pediatric Cystic Fibrosis. UAB School of Medicine Research Roundtable, Mar 13, 2018.
12. **Oates GR**, Stepanikova I, Thon V. Perinatal Maternal Stress and Susceptibility to Common Infections in Later Childhood. UAB School of Medicine Research Roundtable, Mar 13, 2018, Birmingham, AL.

13. Bateman LB, **Oates GR**, Schoenberger YM, Eady S, Bae S, Osborne T, Fouad MN. A Mixed-Methods Examination of a Short-term After School Nutrition and Physical Activity Intervention Aimed at Low Income, African American Elementary Students. 13th Annual UAB Health Disparities Research Symposium, Mar 19, 2018, Birmingham, AL.
14. Zhu A, Harris WT, Stepanikova I, Britton LJ, Gamble S, **Oates GR**. Impact of Tobacco Smoke Exposure on Pulmonary Function in Pediatric Cystic Fibrosis. 13th Annual UAB Health Disparities Research Symposium, Mar 19, 2018, Birmingham, AL.
15. **Oates GR**, Baker E, Stepanikova I, Vasku J, Klanova J, Svancara J. Stressful Life Events Predict Increased Consumption of Sweets in Adolescence: Longitudinal Analysis of a Prospective Cohort. Society of Behavioral Medicine 39th Annual Meeting, Apr 12, 2018, New Orleans, LA.
16. Zhu A, Stepanikova I, Baker E, Vasku J, Thon V, **Oates GR**. Perinatal Maternal Stress and Susceptibility to Infections in Later Childhood: An Early Life Programming Perspective. Society of Behavioral Medicine 39th Annual Meeting, Apr 12, 2018, New Orleans, LA.
17. Baker E, Stepanikova I, **Oates GR**, Vasku J, Klanova J. Stress and Diet in Adolescence: Longitudinal Study of a Prospective Birth Cohort. Population Association of America 2018 Annual Meeting, Apr 26–28, 2018, Denver, CO.
18. Bateman LB, **Oates GR**, Simoni Z, Fouad MN. Using Photovoice to Explore Social Determinants of Obesity in Two Underserved Communities in the Southeast. American Sociological Association Annual Meeting, Medical Sociology Roundtable Session, Aug 11-14, 2018, Philadelphia, PA.
19. Mims C, Gamble S, Hines L, Villari K, Hoover W, Thomas L, **Oates GR**. Increasing Documentation of Reliable PFT. North American CF Conference, Oct 18-20, 2018, Denver, CO.
20. Zhu A, Gamble S, Harris WT, **Oates GR**. Adherence to Airway Clearance with High Frequency Chest Wall Oscillation and Change in Lung Function Three Years Later. North American CF Conference, Oct 18-20, 2018, Denver, CO.
21. **Oates GR**, Gamble S, Gutierrez HH, Rowe SM, Harris WT. Self-reported vs Objective Adherence to Airway Clearance Therapy in Pediatric CF. North American CF Conference, Oct 18-20, 2018, Denver, CO.
22. **Oates GR**, Baker E, Zhu A, Rowe SM, Gutierrez HH, Thomas LJ, Harris WT. Tobacco Smoke Exposure and Income as Independent Predictors of Pulmonary Decline in Pediatric CF. North American CF Conference, Oct 18-20, 2018, Denver, CO.
23. Tarn V, Self S, Anderson V, **Oates GR**, Gutierrez H. Improving Nutritional Outcomes of Patients with CF by Home Delivery of Snack Boxes. North American CF Conference, Oct 18-20, 2018, Denver, CO.
24. Zhu A, Harris WT, Gutierrez HH, Gamble S, **Oates GR**. Adherence to Airway Clearance Therapy and Change in Lung Function in Pediatric CF. 4th Annual Pediatric Science Day, Mar 21, 2019, Birmingham, AL.
25. Dey S,\* Zhu A, Harris WT, Gutierrez HH, **Oates GR**. Socioeconomic Risk Factors for Methicillin Resistant Staphylococcus Aureus (MRSA) Infection in Pediatric Patients with Cystic Fibrosis. 4th Annual Pediatric Science Day, Mar 21, 2019, Birmingham, AL.
26. Dey S,\* Zhu A, Harris WT, Gutierrez HH, **Oates GR**. Socioeconomic Risk Factors for Methicillin Resistant Staphylococcus Aureus (MRSA) Infection in Pediatric Patients with Cystic Fibrosis. UAB Health Disparities Research Symposium, Apr 18, 2019, Birmingham, AL.
27. Lock L,\* Eddy M,\* Richey C,\* Gaston L,\* Moulin J,\* Zhu A, Tarn V, **Oates GR**. Association between Unmet Social Needs and Child's Pulmonary Health Outcomes. UAB Health Disparities Research Symposium, Apr 18, 2019, Birmingham, AL.
28. **Oates GR**, Molina AL, Molina Y, Zhu A, Wu CL, Walley SC. Residential instability and neighborhood deprivation as risk factors for pediatric asthma outcomes. ATS International Conference, May 20, 2019, Dallas, TX.



29. **Oates GR**, Stepanikova I, Baker E, Regan EA, Lowe KE, Putcha N, DeMeo DL, Parekh T, Dransfield MT; the COPDGene investigators. Association between Socioeconomic Position and Health-Related Quality of Life in Chronic Obstructive Pulmonary Disease. ATS International Conference, May 22, 2019, Dallas, TX.
30. **Oates GR**, Harris WT, Baker E, Gutierrez HH, Schechter MS, Morgan WJ, Rowe SM. Association of Tobacco Smoke Exposure and Household Income with Lung Function in Pediatric Cystic Fibrosis: A Longitudinal Analysis. North American CF Conference, Oct 31–Nov 2, 2019, Nashville, TN.
31. **Oates GR**, Dunn KM, Frederick CA, Hall S, Maggs J, Niranjana S. Managing Daily Life with Cystic Fibrosis: Exploration of Patient and Parent Perspectives. North American CF Conference, Oct 31–Nov 2, 2019, Nashville, TN.
32. Gutierrez HH, Gamble S, Rutland S, **Oates GR**. Effect of Aerobika®, an Oscillatory Positive Expiratory Pressure Device, on Lung Function in Pediatric Cystic Fibrosis Patients: A Longitudinal Analysis. North American CF Conference, Oct 31–Nov 2, 2019, Nashville, TN.
33. Gutierrez HH, **Oates GR**, Harris WT, Hoover WC, Rowe SM. Area Deprivation as a Risk Factor for Methicillin-resistant *Staphylococcus Aureus* Infection in Pediatric Cystic Fibrosis. North American CF Conference, Oct 31–Nov 2, 2019, Nashville, TN.
34. **Oates GR**, Rutland SB, Friedman A,\* Hampton J,\* Magruder T. Screening for Unmet Basic Needs in a Pediatric Pulmonary Clinic: Feasibility and Association with Health Outcomes. Pediatric Academic Societies Meeting, May 2-5, 2020, Philadelphia, PA.
35. **Oates GR**, Baker E, Rowe SM, Rutland SB, Fowler CM, Harris WT. Tobacco Smoke Exposure Limits the Therapeutic Benefit of a CFTR Modulator in Pediatric Patients with Cystic Fibrosis. American Thoracic Society International Conference, May 15-20, 2020, Philadelphia, PA.
36. **Oates GR**, Rutland SB, Magruder T. Unmet Basic Needs Are Associated With Pediatric Pulmonary Outcomes. American Thoracic Society International Conference, May 15-20, 2020, Philadelphia, PA.
37. Sewell J,\* Truitt N,\* Nelson K,\* Ziemba T,\* Hellings W,\* Tarn V, Geurs R, Rutland SB, **Oates GR**. Smoking, Vaping, and Cannabis Use among Pediatric Pulmonary Patients. 5<sup>th</sup> Annual UAB Pediatric Science Day, April 9, 2020, Birmingham, AL.
38. Friedman A,\* Hampton J,\* Rutland SB, Magruder T, **Oates GR**. Electronic Screening for Unmet Basic Needs in a Pediatric Pulmonary Clinic. 5<sup>th</sup> Annual UAB Pediatric Science Day, April 9, 2020, Birmingham, AL.
39. Friedman A,\* Hampton J,\* Rutland SB, Juarez L, **Oates GR**. Association of Area Deprivation Index and Child Health Index with Pediatric Cystic Fibrosis Outcomes. 5<sup>th</sup> Annual UAB Pediatric Science Day, April 9, 2020, Birmingham, AL.
40. Hampton J,\* Friedman A,\* Rutland SB, Bergquist RP, Hager A, Geurs R, Mims C, Gutierrez HH, **Oates GR**. Clinical Adoption of a Mobile Health Technology to Support Self-Management of Pediatric Cystic Fibrosis. 5<sup>th</sup> Annual UAB Pediatric Science Day, April 9, 2020, Birmingham, AL.
41. Hampton J,\* Friedman A,\* Gamble S, Rutland S, Gutierrez HH, **Oates GR**. Effect of Aerobika®, an Oscillatory Positive Expiratory Pressure (OPEP) Device, on Lung Function in Pediatric Cystic Fibrosis Patients: A Longitudinal Analysis. 5<sup>th</sup> Annual UAB Pediatric Science Day, April 9, 2020, Birmingham, AL.
42. Fowler CM, Rutland SB, Baker E, Rowe SM, Harris WT, **Oates GR**. Tobacco smoke exposure limits the benefit of a CFTR modulator therapy in pediatric CF patients: CF Foundation Patient Registry analysis. 5<sup>th</sup> Annual UAB Pediatric Science Day, April 9, 2020, Birmingham, AL.
43. Rutland SB, Niranjana S, Ott C, Scarinci IC, Harris WT, Walley SC, **Oates GR**. Tobacco Smoke Exposure in Pediatric Cystic Fibrosis: A Qualitative Examination of Clinicians' and Caregivers' Perspectives. 5<sup>th</sup> Annual UAB Pediatric Science Day, April 9, 2020, Birmingham, AL.

44. **Oates GR**, Baker E, Rutland SB, Harris WT, Rowe SM. Cessation of smoke exposure improves pediatric CF outcomes: Longitudinal analysis of CF Foundation Patient Registry data. North American CF Conference, Oct 7–23, 2020.
45. **Oates GR**, Baker E, Rutland SB, Harris WT, Rowe SM. Tobacco Smoke Exposure Limits the Therapeutic Benefit of Tezacaftor-Ivacaftor in Pediatric Patients with Cystic Fibrosis. North American CF Conference, Oct 7–23, 2020.
46. Rutland SB, Juarez LD, Schechter MS, **Oates GR**. The Association of Area Deprivation and Overall Child Health with Pediatric CF Respiratory Outcomes in the United States. North American CF Conference, Oct 7–23, 2020.
47. Rutland SB, Bergquist R, Hager A, Geurs R, Mims C, Gutierrez HH, **Oates GR**. Adaptation of an mHealth application (Genia) to the needs of CF patients, caregivers, and clinicians in the United States. North American CF Conference, Oct 7–23, 2020.
48. Bailey J, Juarez LD, Rutland SB, **Oates GR**. Prevalence and correlates of overweight and obesity in a national cohort of children and adolescents with cystic fibrosis. North American CF Conference, Oct 7–23, 2020.
49. Self ST, Rutland SB, **Oates GR**, Gutierrez HH. Optimizing Newborn Screening for Cystic Fibrosis in the State of Alabama: A Quality Improvement Project. North American CF Conference, Oct 7–23, 2020.
50. Frederick CA, Dunn KM, Green A, Hall S, Lindwall J, Maggs J, Moffett K, Phan H, Prickett M, Saavedra MT, **Oates GR**. Perspectives of the CF Community on Research Ideas Related to Self-Management and Adherence. North American CF Conference, Oct 7–23, 2020.
51. Dickinson KM, Eckmann T, Quittner AL, Butcher JL, **Oates GR**, Prickett M, Schechter MS, Riekert KA. Socioeconomic Status Effects on Adherence Barriers to Chronic Therapies in CF. North American CF Conference, Oct 7–23, 2020.
52. Hampton J,\* Rutland SB, Geurs R, Mims C, Bergquist RP, Hager A, Gutierrez HH, **Oates GR**. A Mobile Health Platform for Self-management of Pediatric Cystic Fibrosis: Impact on Patient-reported Outcomes and Patient-centered Care. 6<sup>th</sup> Annual UAB Pediatric Science Day, March 25, 2021, Birmingham, AL.
53. Fowler CM, Baker E, Harris WT, Collaco JM, Rowe SM, **Oates GR**. Cessation of Smoke Exposure Improves Pediatric CF Outcomes: Longitudinal Analysis of CF Foundation Patient Registry Data. 6<sup>th</sup> Annual UAB Pediatric Science Day, March 25, 2021, Birmingham, AL.
54. Pilonieta G, Pisu M, Martin RC, Shan L, Kennedy RE, **Oates GR**, Kim Y, Geldmacher DS. Factors influencing medication adherence among US Medicare beneficiaries with Alzheimer's disease and related dementia (ADRD). 2021 Alzheimer's Association International Conference, July 26, 2021.
55. Pisu M, Martin RC, Shan L, Pilonieta G, Kennedy RE, **Oates GR**, Kim Y, Geldmacher DS. Dementia care in diverse older adults in the Deep South and the rest of the US. 2021 Alzheimer's Association International Conference. July 26, 2021.
56. Crivelli J, Maalouf N, Yan P, Hughes A, His R, Canvasser N, Kachroo N, Leavitt D, Wood K, **Oates GR**, Hollingsworth J, Assimos D. Trends in the influence of gender, race, and ethnicity on the prevalence of kidney stones: A multi-institutional and claims analysis. American Urological Association Annual Meeting, Sep 10-13, 2021, Las Vegas, NV.
57. **Oates GR**, Rutland SB, Geurs R, Mims C, Bergquist RP, Hager A, Gutierrez HH. A Mobile Health Platform for Pediatric Cystic Fibrosis: Impact on Patient-Reported Outcomes and Patient-Centered Care. North American CF Conference, Nov 2–5, 2021.
58. Bailey J, Brown G, Clemm C, Corbera-Hincapie M, Durham D, **Oates GR**, Reno K, Sapp S, Schechter M, Robinson K. Food Insecurity in the Cystic Fibrosis Care Center Network during COVID-19: Prevalence, Screening, and Interventions. North American CF Conference, Nov 2–5, 2021.

## **ORAL PRESENTATIONS**

### ***Scientific papers presented at national and international meetings***

1. Adherence to Airway Clearance Therapy: Socioeconomic Factors and Respiratory Outcomes. Junior Investigators Best Abstract in Clinical Research Award Session. 29<sup>th</sup> Annual North American Cystic Fibrosis Conference, Oct 8-10, 2015, Phoenix, AZ.
2. Social Determinants of Adherence to Pulmonary Rehabilitation in COPD: A Mixed Methods Study. *Improving Diagnosis, Care Quality, and Adherence in COPD Mini Symposium*, ATS International Conference, May 23, 2018, San Diego, CA.
3. Impact of tobacco smoke exposure on pulmonary function in pediatric cystic fibrosis. Presented in the session, "Which factors influence outcomes from newborn to adulthood?" European CF Society 41<sup>st</sup> European Cystic Fibrosis Conference, Jun 6–9, 2018. Belgrade, Serbia.
4. Tobacco Smoke Exposure and Socioeconomic Factors Are Independent Predictors of Pulmonary Decline in Pediatric Cystic Fibrosis. 33<sup>rd</sup> Annual North American CF Conference, Nov 2, 2019, Nashville, TN.
5. Association of Area Deprivation Index and Child Health Index with Pediatric Cystic Fibrosis Outcomes. Pediatric Academic Societies Meeting, May 2-5, 2020, Philadelphia, PA.
6. Tobacco Smoke Exposure Limits the Benefit of Symdeko in Pediatric CF patients: CF Foundation Patient Registry analysis. 43<sup>rd</sup> European CF Conference. June 3-6, 2020, Lyon, France.
7. mHealth Platform for Self-management of Pediatric Cystic Fibrosis: Impact on Patient-reported Outcomes and Patient-centered Care. Pediatric Academic Societies 2021 Meeting. May 3, 2021.

### ***Scientific papers presented at local and regional meetings***

1. Adherence to Therapy in Cystic Fibrosis: Socioeconomic Factors and Respiratory Outcomes. UAB DOPM Grand Rounds, Dec 14, 2015, Birmingham, AL.
2. Not as Free as You May Think: Social Determinants of Adherence. UAB Center for Aids Research (CFAR) Adherence Working Group, Feb 8, 2017, Birmingham, AL.
3. Effective Grant Proposals: Grant Writing Workshop for Junior Faculty, UAB CCTS Training Interdisciplinary, Emerging Research Scholars (TIERS) Seminar. Feb 9, 2017, Birmingham, AL.
4. Social Determinants of Adherence to Pulmonary Rehabilitation in COPD: Work in Progress. UAB CCTS Training Interdisciplinary, Emerging Research Scholars (TIERS) Seminar. Feb 9, 2017, Birmingham, AL.
5. Individual and Neighborhood Determinants of Adherence to Pulmonary Rehabilitation for COPD. UAB Health Disparities Research Symposium, May 3, 2017, Birmingham, AL.
6. Six Degrees of Separation: Social and Behavioral Science and Respiratory Health. UAB Department of Medicine, Pulmonary Grand Rounds. May 4, 2017, Birmingham, AL.
7. Adherence to Pulmonary Rehabilitation for COPD: What Do the Patterns Tell Us? UAB Center for Aids Research (CFAR) Adherence Working Group, May 10, 2017, Birmingham, AL.
8. Social Determinants of Adherence to Pulmonary Rehabilitation in COPD. Mid-South TCC meeting, Jun 29, 2017, Biloxi, MS.
9. When the Variables You Need Are Not There: Linking Individual-Level with Neighborhood Data. UAB Division of Preventive Medicine Grand Rounds, Sep 11, 2017, Birmingham, AL.
10. Pathways to Disparity: Social Determinants, Adherence, and Lung Health. UAB Department of Pediatrics, Aug 9, 2017, Birmingham, AL.
11. Stressful Life Events and Diet in Adolescence: Findings from the ELSPAC Birth Cohort. Presentation at the Intensive Course in Pediatric Nutrition, UAB Department of Pediatrics, Feb 22, 2018, Birmingham, AL.

12. Social Risk Factors for Medication Adherence: Findings from the REGARDS Study. 13<sup>th</sup> Annual UAB Health Disparities Research Symposium, Mar 19, 2018, Birmingham, AL.
13. Stress and Child Health: Evidence from the European Longitudinal Study of Pregnancy and Childhood. UAB Secondary Data Analysis Seminar Series, Apr 5, 2018, Birmingham, AL.
14. Longitudinal Impact of Tobacco Smoke Exposure on Pulmonary Decline in Pediatric Cystic Fibrosis. Child Health Investigative Forum, UAB Department of Pediatrics, Apr 6, 2018, Birmingham, AL.
15. Improving Adherence to Pulmonary Rehabilitation by Addressing Social Determinants of the Adherence Behavior. Coordinated Works in Progress (WIP) Seminars in Health Services, Outcomes, and Policy Research, May 17, 2018, Birmingham, AL.
16. Tobacco Smoke Exposure and Household Income as an Independent Predictors of Pulmonary Decline in Pediatric Cystic Fibrosis. Presented in the Health Disparities session of the Southern Sociological Society Annual Meeting, Apr 11, 2019, Atlanta, GA.
17. Association between Socioeconomic Position and Health-Related Quality of Life in Chronic Obstructive Pulmonary Disease. UAB Health Disparities Research Symposium, Apr 18, 2019, Birmingham, AL.
18. Reducing tobacco smoke exposure in pediatric cystic fibrosis: A qualitative examination of clinician and caregiver perspectives. University of Alabama System Behavioral Health Symposium, Oct 28, 2019, Birmingham, AL.
19. Technology enabled PSS for self-management of pediatric cystic fibrosis. UAB Department of Pediatrics Works in Progress forum, July 10, 2020, Birmingham, AL.
20. Tobacco smoke exposure in cystic fibrosis: The case for clinical intervention. UAB Cystic Fibrosis Research Center, December 8, 2020, Birmingham, AL.
21. Clinical Effort Against Smoke Exposure (CEASE CF). UAB Pediatric Pulmonary Division State of the Art presentation, January 22, 2021, Birmingham, AL.
22. Screening for Social Risk Factors: Real-time use of the Area Deprivation Index. Children's of Alabama 2<sup>nd</sup> Annual Safety and Quality Day, October 28, 2021, Birmingham, AL.

#### ***Invited presentations at international meetings***

1. Scientific Writing for Grants and Publications. United States–Egypt Translational Cancer Research Forum. March 27-Apr 2, 2014, Alexandria, Egypt.
2. Screening for Social Determinants of Health in a Pediatric CF Center: Feasibility and Association with CF Outcomes. 33<sup>rd</sup> Annual North American CF Conference, Nov 1, 2019, Nashville, TN.
3. Tobacco Smoke Exposure Limits the Therapeutic Benefit of Tezacaftor-Ivacaftor in Pediatric Patients with Cystic Fibrosis. Special Session: Best of *Journal of Cystic Fibrosis*, *The Lancet Respiratory Medicine*, *European Respiratory Journal*. 44th European Cystic Fibrosis Conference, June 10, 2021.

#### ***Invited presentations at national meetings and at other universities***

1. Quality Improvement through Family Advisory Boards. 2008 North American Cystic Fibrosis Conference, Orlando, FL.
2. Quality Improvement through Patient-Centered Care. Institute for Healthcare Improvement, 2009.
3. Review and Selection of Pilot Research Projects: What Have We Learned? National Transdisciplinary Center for African American Men's Health Conference, Sep 31–Oct 2, 2013, Minneapolis, MN.
4. Successful Grant Writing for Health Disparities Research. National Institute for Minority Health and Health Disparities Grantees' Conference, December 1-3, 2014, National Harbor, MD.
5. Maternal and Child Health Disparities. Invited conference presentation at "The ABCs of Health Disparities," University of Texas Health Sciences Center, Oct 4-5, 2018, Tyler, TX.

### **Invited presentations at local and regional courses and meetings**

1. Self-Management in Chronic Disease. Cystic Fibrosis Provider Education Day, Children's of Alabama, Sep 11, 2009, Birmingham, AL.
2. Grant Writing for Pulmonary Health Research. UAB Pediatric Pulmonary Center Training Program, Jan 28, 2015, Birmingham, AL.
3. Preparing for Your First BIG Extramural Grant: Panel Discussion by Recent T & K Scholars. UAB-VA Health Services, Outcomes, and Effectiveness Research Training Program, Dec 1, 2017, Birmingham, AL.

### **MISCELLANEOUS**

#### **Syllabi, courses, and educational content**

1. Scientific Writing course, Summer Enrichment Program, UAB Minority Health and Health Disparities Research Center, 2009–2015.
2. Breakthroughs in CF Technology. *eCystic Fibrosis Review*, 2020 Special Edition. Johns Hopkins School of Medicine, Office of Continuing Medical Education, in collaboration with DKBmed, 2020. Available at: <https://elit.dkbmed.com/issues/58>
3. Place and Health: Video Content for the Graduate Medical Education (GME) Health Disparities Academy, 2021-22. Available at: <https://www.uab.edu/humanresources/home/learndev/online-learning>

#### **Newspaper articles and media**

1. Money and Insurance Worries Deeply Affect CF Outcomes in US, Experts Say, by Larry Luxner. *Cystic Fibrosis News Today*, Feb 12, 2019. Available at: <https://cysticfibrosisnewstoday.com/2019/02/12/money-insurance-worries-deeply-affect-cf-outcomes-experts-warn>
2. Secondhand smoke exposure in kids with cystic fibrosis may impact treatment efficacy, researchers suspect. *Inside Pediatrics*, Aug 2019. Available at: <https://insidepeds.org/2019/08/20/secondhand-smoke-exposure-in-kids-with-cystic-fibrosis-may-impact-treatment-efficacy-researchers-suspect>
3. Tobacco smoke exposure and socioeconomic factors are independent predictors of pulmonary decline in pediatric cystic fibrosis. *CF Research News*, Feb 2020. Available at: [https://www.ecfs.eu/sites/default/files/cf-research-article-files/JCF-D-19-00431R1\\_FINAL\\_Oates\\_100520.pdf](https://www.ecfs.eu/sites/default/files/cf-research-article-files/JCF-D-19-00431R1_FINAL_Oates_100520.pdf)
4. What profiles of New York City coronavirus patients say about social inequality, by Annalisa Merelli. *Quartz*, May 2, 2020. Available at: <https://qz.com/1848058/what-profiles-of-new-york-city-coronavirus-patients-say-about-social-inequality>
5. Your ZIP code is a risk factor for COVID-19: Study will identify where testing, therapies are needed most, by Matt Windsor. UAB Reporter, Oct 19, 2020. Available at: <https://www.uab.edu/reporter/research/discoveries-innovations/item/9297-your-zip-code-is-a-risk-factor-for-covid-19-study-will-identify-where-testing-therapies-are-needed-most>
6. Using mobile health to improve cystic fibrosis care. *Inside Pediatrics*, Oct 26, 2020. Available at: <https://insidepeds.org/2020/10/26/using-mobile-health-to-improve-cystic-fibrosis-care/>
7. Tobacco smoke exposure limits the therapeutic benefit of tezacaftor/ivacaftor in pediatric patients with cystic fibrosis. *CF Research News*, Oct 2020. Available at: [https://www.ecfs.eu/sites/default/files/cf-research-article-files/JCF-D-20-00179R1\\_FINAL\\_Oates\\_311020.pdf](https://www.ecfs.eu/sites/default/files/cf-research-article-files/JCF-D-20-00179R1_FINAL_Oates_311020.pdf)

8. Stopping exposure to smoke improves breathing and nutritional outcomes in children and adolescents with cystic fibrosis. *CF Research News*, Jul 2021. Available at: [https://www.ecfs.eu/sites/default/files/cf-research-article-files/JCF-D-20-00578R1\\_FINAL\\_Oates\\_220821.pdf](https://www.ecfs.eu/sites/default/files/cf-research-article-files/JCF-D-20-00578R1_FINAL_Oates_220821.pdf)
9. Alabama CEAL Study Finds Evidence of Vaccine Hesitation Due to Mistrust – News. 6Park News, November 19, 2021. Available at: <https://6park.news/alabama/alabama-ceal-study-finds-evidence-of-vaccine-hesitation-due-to-mistrust-news.html>
10. Alabama CEAL study finds evidence of vaccine hesitation due to mistrust. UK Today News, Dec 1, 2021. Available at: <https://webcache.googleusercontent.com/search?q=cache:9mq1asOc-DwJ:https://todayuknews.com/health/alabama-ceal-study-finds-evidence-of-vaccine-hesitation-due-to-mistrust/+&cd=51&hl=en&ct=clnk&gl=us>