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BAC-9218

Contact Information

Contact Name	Alison Abraham	Home Address	
Preferred Phone	617-596-1280	Home City	Englewood
Preferred Email	alison.abraham@cuanschutz.edu	Home State	CO
Other Phone		Home Zip	80111
Other Email	alison.abraham@cuanschutz.edu	County	Englewood
DOB	10/24/1972	Hispanic or Latino origin or Descent?	No
SSN		Race/Ethnicity	Caucasian
Gender	Female	Other Ethnicity	
Other Gender		Salutation	Dr.

Board Information

Board Name	Denver Commission on Aging	Other boards or commissions served	
Status	New	Resigned	
Term Start Date			
Term End Date			

Work Information

Employer	University of Colorado Anschutz	Work Address	13001 E 17th Pl
Position	Associate Professor	Work City	Aurora
Business Phone #	303-724-8378	Work State	CO
Work Email	alison.abraham@cuanschutz.edu	Work Zip	80045-2570

Additional Information

Are you a registered voter?	Yes	Objection to appointment?	No
If so, what county?	Arapahoe	Special Information	
Denver City Council District No	N/A	Registered Lobbyist	No
Conflict of Interest Explanation		Conflict of Interest	No

Education and General Qualifications

Name of High School	Hoover High School	Name of Graduate School	Johns Hopkins University
Location of High School	Fresno, CA	Location of Graduate School	Baltimore MD
# of Years Attended	4	# of Years Attended	5

High school

Did you Graduate High School Yes

Graduate School

Did you Graduate Yes

Graduate Major Epidemiology

Name of College University of California San Diego

Location of College San Diego, CA

of Years Attended College 5

Did you Graduate College Yes

Undergrad Major Biomedical Engineering

Reference Details

Agree to a background check

Owner Esther Lee Leach

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Notes & Attachments

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CURRICULUM VITAE

University of Colorado | Anschutz Medical Campus

Alison G. Abraham, PhD, MHS, MS

Updated Jan 2024

Current Appointments

- 2020 - **Associate Professor**, University of Colorado, Anschutz Medical Campus, School of Public Health, Department of Epidemiology
- 2020 - **Associate Professor**, University of Colorado, Anschutz Medical Campus, School of Medicine, Department of Ophthalmology
- 2020 - **Senior Associate**, Johns Hopkins Bloomberg School of Public Health, Department of Epidemiology
- 2022 - **Vice Chair of Education**, University of Colorado, Anschutz Medical Campus, School of Public Health, Department of Epidemiology
- 2023 - **Co-Director, Epidemiology Graduate Programs**, University of Colorado, Anschutz Medical Campus, School of Public Health, Department of Epidemiology

Business Address:

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Aurora, CO 80045

Office number: W3143

Phone number: 303-724-8378

Email: alison.abraham@cuanschutz.edu

Secondary Email: alison.abraham@jhu.edu

Education and Training

- 1995 Bachelor of Arts, Biomedical Engineering, University of California, San Diego, CA
- 1999 Master of Science, Biomedical Engineering, California State University, Sacramento, CA
- 2005 Master of Health Science, Biostatistics, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD
- 2008 Doctor of Philosophy, Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

Academic Appointments and Positions

- 1999-2002 **Research Specialist**, Harvard School of Public Health, Department of Environmental Health
- Research Assistant**, Johns Hopkins Bloomberg School of Public Health, Department of Epidemiology
- 2002-2005 **Assistant Scientist**, Johns Hopkins Bloomberg School of Public Health, Department of Epidemiology
- 2007-2013 **Associate Scientist**, Johns Hopkins Bloomberg School of Public Health, Department of Epidemiology
- 2013-2016 **Visiting Researcher**, University of Zurich, Institute for Epidemiology, Biostatistics and Prevention
- 2016-2017 **Associate Professor**, Johns Hopkins School of Medicine, Department of Ophthalmology
- 2016-2020 **Associate Professor** (joint appointment) Johns Hopkins Bloomberg School of Public Health, Department of Epidemiology

Professional Experience

- 1995-1997 **Rehabilitation Engineer**, California State University, Department of Biomedical Engineering
- 1997-1999 **Rehabilitation Engineer**, United Cerebral Palsy

Consultant

- 2006-2007 Consulting Lens Image Reviewer, Othera Anti-Cataract Trial, Baltimore, MD
- 2011 Epidemiology and Statistics Consultant, Mount Sinai Hospital Residency Program, Mt Sinai, NY
- 2012 Epidemiology and Statistics Consultant, Division of Nephrology, Mount Sinai School of Medicine, New York, NY
- 2015 Epidemiology, Biostatistics and Prevention Institute, University of Zurich, Zurich, Switzerland
- 2019-2021 Implementation Group, Inc

Honors and Awards

- 1995 Rehabilitation Engineering Teaching and Training Grant Award
- 2003 Epidemiology Internship Award, National Eye Institute

2004	National Institutes of Health Training Grant Award
2005	Epidemiology Internship Award, Amgen Inc
2005	Thomas and Louis I Dublin Award for the Advancement of Epidemiology and Biostatistics
2007	Doctoral Thesis Fund Award
2008	Inductee, Delta Omega Society
2010	National Institutes of Health Loan Repayment Program Award Recipient
2013	Fourth HIV & Aging Workshop 2013 Sponsored Attendee
2015	Annals of Internal Medicine 2015 Outstanding Reviewer
2015	Council for International Exchange of Scholars Fulbright Scholar Award Finalist
2019	Accepted into the 2019 Leadership Program for Women Faculty, JHU Office of Talent Management and Organization Development
2020	Annals of Internal Medicine 2020 Outstanding Reviewer
2021	Council for International Exchange of Scholars Fulbright Scholar Award Finalist
2023	Faculty Excellence in Teaching Award, Colorado School of Public Health

Professional Affiliations

2002 -	Society for Epidemiological Research, Member
2003 - 2009	American Public Health Association, Member
2003 -	American College of Epidemiology, Member
2008, 2018-	Association for Research in Vision and Ophthalmology, Member
2017 -	International Epidemiological Association, Member
2019 -	International Ocular Circulation Society, Founding Member
2019 -	Gerontological Society of America, Member

Professional Leadership and Service

Departmental

Johns Hopkins Bloomberg School of Public Health Department of Epidemiology

2009-2012	Committee Member, Honors and Awards Committee. Reviewed applications and determined awardees for merit based departmental scholarship funds
2010-2012	Committee Member, Comprehensive Exam Committee. Developed comprehensive exam that is taken by all students in the epidemiology Department at the end of the first year of study
2012-2015	Chair, Comprehensive Exam Committee. Organized the committee, made process improvements, developed a question bank for reducing faculty time commitment, implemented item response evaluation for exam questions to assure good question performance from year to year, and developed standard procedures for regrading exams
2014	Committee Member, Quality of Life Subcommittee, Department Self Study. Compiled comments from faculty survey on quality of life
2015 -2016	Committee Member, Faculty Executive Committee. Governing body of the Department of Epidemiology charged with steering departmental policy

Johns Hopkins School of Medicine Department of Ophthalmology

2016	27 th Annual Wilmer Eye Institute Research Day, Moderator for Session 3, Baltimore MD
2018-	Chair, Wilmer Research Administration Committee. Committee charged with improving processes with regard to grant submission and assisting faculty with grant submissions
2019	30 th Annual Wilmer Eye Institute Research Day, Discussant for Invited Resident Talks, Baltimore MD

University of Colorado School of Public Health Department of Epidemiology

2020-2022	Committee Member, Health and Equity Committee. Charged with developing policy and leading initiatives in the department with regard to issues of racial inequality
2022 -	Chair, Epidemiology Department Curriculum Committee. Charged with developing and education vision for the department and taking a broad view of department curriculum to determine gaps in skill transfer, new areas of curriculum focus, and ways to appeal to and train a diverse student body.
2022 -	Department representative, External Advisory Board. Provides input and guidance to the department about necessary skills needed in the workforce and skill gaps of graduating students.

School- or Campus- University- Wide

Johns Hopkins Bloomberg School of Public Health

2013-2015	Faculty Senator, Johns Hopkins Bloomberg School of Public Health Faculty Senate, faculty advisory body that works to address school wide issues and assure cross department coordination and dissemination of information
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Johns Hopkins School of Medicine

2018-2020	Director, Wilmer Biostatistics Center. The WBC provides analytic and data management support to vision investigators across Johns Hopkins University.
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<https://www.hopkinsmedicine.org/wilmer/research/core-centers/biostatistics/>

University of Colorado

2022-2023 Colorado School of Public Health representative, Commencement Ceremony Keynote Speaker Selection Committee, a temporary committee comprising representatives across schools and charged with selecting a speaker who could speak to the entire healthcare community.

National

2011-2019 Member, Data Safety Monitoring Board for The Hereditary Causes of Nephrolithiasis and Kidney Failure Project

2019 Symposium Moderator and Organizer, 52nd Society for Epidemiologic Research Annual Meeting, Session: *Is it my brain or my senses? Measuring and interpreting cognitive function in the context of sensory deficit*, Minneapolis, MN

2011-2020 Chair, Data Working Group, Multicenter AIDS Cohort Study. Oversaw methodological development and data quality for the MACS study

2020 Co-Moderator, American College of Epidemiology Virtual Meeting Roundtable Discussion, Session: *Current National and International Efforts in Training Future Epidemiologists*

2021 Vision Research Advocate, ARVO Advocacy Day, February 19. Efforts were highlighted in NAEVR newsletter: <https://www.eyersearch.org/in-action/ARVO-AMPC-Advocacy-Day-2021>

2021 Moderator, Gerontological Society Meeting. Session: Trends and Issues of Older Adults Living With HIV/AIDS

2022 Vision Research Advocate, ARVO Advocacy Day, February 22.

International

2018 Organizing Committee Member and Workshop Moderator, First Meeting on Teaching Epidemiology. University of Zurich, Zurich Switzerland

2019-2021 Clinical Section Program Committee member, Association for Research in Vision and Ophthalmology

2019-2022 Professional Education and Development Committee member, Association for Research in Vision and Ophthalmology

2020 Organizing Committee Member and Workshop Moderator, Second Meeting on Teaching Epidemiology. University of Zurich, Zurich Switzerland

2021-2022 Clinical Section Program Committee Chair, Association for Research in Vision and Ophthalmology

2022-2025 Professional Education and Development Committee Chair, Association for Research in Vision and Ophthalmology

2023 Organizing Committee Member and Workshop Moderator, Third Meeting on Teaching Epidemiology. University of Zurich, Zurich Switzerland

Licensure and Board Certification

1998 Certification, Engineer in Training, California Board of Professional Engineers

Review, Referee and Editorial Activities

Grant Review

2016 Reviewer, NIDDK, Urinary Stone Disease Research Network (U01) Special Review Panel

2017 Reviewer, Center for Scientific Review, Major Opportunities for Research in Epidemiology of Alzheimer's Disease and Cognitive Resilience (PAR 15-356) Special Review Panel

2019 Reviewer, Center for Scientific Review, ZRG1 PSE-C(51) Special emphasis panel: Research on Current Topics Related to Alzheimers Disease and Related Dementias

2019 Reviewer, Center for Scientific Review, The Neural Basis of Psychopathology, Addictions and Sleep Disorders Study Section

2020 Reviewer, Center for Scientific Review, PAR-18-901 Chronic, Non-Communicable Diseases and Disorders Across the Lifespan

2021 Reviewer, Center for Scientific Review, special emphasis panel for NCD D43 application for PAR-18-901 in the NIH ZRG1 BDCN-L55

2022 Reviewer, Swiss National Science Foundation, SNSF Starting Grants

2022 - 2023 Statistical Reviewer, ZRG1 NV (12) Special Emphasis Panel, Small Business Review Panel for Aging, Auditory, Vision and Low Vision Technologies

Journal Peer Review Activities

2003-2010 Perceptual and Motor Skills

2009-2012 Eye

2009-2015, 2018, 2022 Investigative Ophthalmology and Visual Science

2010-2011 Statistics in Medicine

2010-2011 Antiviral Therapy

2010-2013 Clinical Journal of the American Society of Nephrology

2011-2016, 2020 Annals of Internal Medicine

2011-2014	AIDS Research and Human Retroviruses
2011	Pediatric Research
2012-2023	American Journal of Epidemiology
2013, 2015	BMC Nephrology
2013, 2015, 2018	Ophthalmology
2013	International Journal of STD & AIDS
2015-2020	Clinical Infectious Disease
2015	New England Journal of Medicine
2017	American Journal of Kidney Disease
2017	Pediatric Nephrology
2017-2018, 2021	Journal of the American Society of Nephrology
2018	JAMA Ophthalmology
2018-2021, 2023	American Journal of Ophthalmology
2019, 2022	Ophthalmic Epidemiology
2019	AIDS
2020	Epidemiology Reviews
2022	Ophthalmic Science

Professional Society Review Activities

2019-2022	Association for Research in Vision and Ophthalmology, Annual Meeting Program Committee, Abstract Review
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Editorial Activities

2020-2023	Associate Editor, American Journal of Epidemiology
2021	Associate Editor, Population Health Metrics

Invited Lectures, Presentations, Workshops and Interviews

Local/Regional

April 2008	Developing a longitudinal prediction model for estimating glomerular filtration rate (CKiDs). Statistics in Epidemiology Research Meeting, Baltimore, MD
July 2008	When to initiate HAART: Estimating fast progressors and leadtime. Statistics in Epidemiology Research Meeting, Baltimore, MD
Oct 2008	The comparability of GFR2 and GFR4: A CKiD-based Brochner-Mortensen Equation. Statistics in Epidemiology Research Meeting, Baltimore, MD
Nov 2008	Wasting and functional decline in the MACS. Statistics in Epidemiology Research Meeting, Baltimore, MD
Nov 2008	Methodological considerations for the measurement of glomerular filtration rate in cohort studies. Multicenter AIDS Cohort Study Meeting, Baltimore, MD
Dec 2008	Longitudinal Formulas to Estimate Glomerular Filtration Rate in Children with Chronic Kidney Disease. Renal Disease Interest Group, Baltimore, MD
June 2009	The Prevalence of Multi-drug Resistance among Treated HIV Patients in North America. Statistics in Epidemiology Research Meeting, Baltimore, MD
Aug 2009	Protein-energy wasting in children with non-dialysis dependent CKD. Statistics in Epidemiology Research Meeting, Baltimore, MD
Oct 2009	The Role of Extracellular Volume in Chronic Kidney Disease. Chronic Kidney Disease in Children Meeting, Baltimore, MD
Dec 2009	Extracellular volume and Glomerular Filtration Rate in Children with Chronic Kidney Disease. Statistics in Epidemiology Research Meeting, Baltimore, MD
March 2010	The Relationship between Inflammation, Body Composition, and Grip Strength in HIV-infected and HIV-uninfected men in the Lipodystrophy Substudy. Statistics in Epidemiology Research Meeting, Baltimore, MD
May 2010	HIV and kidney function decline in the WIHS. Statistics in Epidemiology Research Meeting, Baltimore, MD
May 2010	HAART-induced changes in serum lipids and renal function. Multicenter AIDS Cohort Study Meeting, Bethesda, MD
Sept 2010	Estimating the Time to HIV Drug Resistance. Causal Inference Group, Baltimore, MD
Feb 2011	HAART-induced changes in serum lipids and renal function. Statistics in Epidemiology Research Meeting, Baltimore, MD
May 2011	Estimating GFR in the MACS. Multicenter AIDS Cohort Steering Committee Meeting, Rockville, MD
Aug 2011	Cervical cancer incidence and the impact of CD4 in HIV-infected women in North America. Statistics in Epidemiology Research Meeting, Baltimore, MD
Feb 2012	Protein energy wasting in children with CKD: Do adult diagnostic criteria make sense? Renal Disease

- Interest Group, Baltimore, MD
- Sept 2012 Tenofovir-Associated Kidney Function Decline with a PI-based Versus NNRTI-based Regimen. Statistics in Epidemiology Research Meeting, Baltimore, MD
- Dec 2012 Data Summary Files and Variable Definition, Multicenter AIDS Cohort Study Meeting, Data Working Group Session, Baltimore MD
- Dec 2012 Cohort Retention in the MACS, Multicenter AIDS Cohort Study Meeting, Data Working Group Session, Baltimore MD
- Dec 2012 Methods for Examining Nonlinear GFR Trajectories Multicenter AIDS Cohort Study Meeting, Renal Disease Working Group Session, Baltimore MD
- Feb 2013 Mixed Models for Spatial Data. Dana Center for Preventative Ophthalmology; Wilmer Eye Institute, Baltimore, MD
- Feb 2013 Joint Models Using Stata: A Tale of The Marriage of Two Models. Statistics in Epidemiology Research Meeting, Baltimore, MD
- April 2013 HIV Drug Resistance in Antiretroviral Therapy-Experienced Patients in North America: Current Trends in the Burden of Resistance, Department of Epidemiology Seminar; Johns Hopkins Bloomberg School of Public Health, Baltimore MD
- Sept 2013 Kidney Dysfunction and Markers of Inflammation in the Multicenter AIDS Cohort Study. Statistics in Epidemiology Research Meeting, Baltimore, MD
- Nov 2013 Hybrid Imputation Methods for Estimating the Prevalence of HIV Drug Resistance. Division of Genomic Epidemiology & Clinical Outcomes Seminar, University of Maryland School of Medicine
- Jan 2014 Kidney Disease in an HIV Context: Is HIV Just Another Risk Factor? Renal Grand Rounds, Division of Nephrology, University of Maryland Medical Center
- April 2014 Applied Longitudinal Data Analysis: Missing Data – Imputation and Weighting Methods. Kidney Disease in Children Data Management and Analysis Center Meeting, Johns Hopkins Bloomberg School of Public Health
- May 2014 Kidney Dysfunction and Markers of Inflammation in the Multicenter AIDS Cohort Study. Multicenter AIDS Cohort Study Meeting, Data Working Group Session, Bethesda MD
- May 2014 Multicenter AIDS Cohort Study Data Working Group Update: Data Files & Variable Definitions. Multicenter AIDS Cohort Study Meeting, Data Working Group Session, Bethesda MD
- March 2015 Estimating the Impact of ACE/ARB Use on CKD Progression. Renal Disease Interest Group, Baltimore, MD
- Sept 2015 Renin-Angiotensin II-Aldosterone System Blocker Use in Children with CKD. Renal Grand Rounds, Johns Hopkins School of Medicine, Baltimore MD
- Dec 2015 Highlights from the MACS meeting: Design and Methods to Address Study Challenges in the MACS. Center/Coordination, Analysis and Management/MACS Coordination Meeting, Baltimore, MD
- May 2016 Data Quality and Data Management. Multicenter AIDS Cohort Study Annual Meeting, Rockville, MD
- Nov 2016 Methods to Address Study Challenges in the MACS. Multicenter AIDS Cohort Study Steering Meeting, Baltimore, MD
- Nov 2019 Current Topics in Epidemiologic Research: A Vision for Vision Epidemiology: Research in the Dana Center for Preventive Ophthalmology. Department of Epidemiology Seminar, Baltimore, MD
- Oct 2020 Retinal Biomarkers for Cognitive Disease: Promise or Hype? Behavioral Neurology and Neuropsychology Conference, Department of Neurology, University of Colorado, Anschutz Medical Campus
- May 2022 The eyes have it! Better aging through better vision health. People Aging and Thriving with HIV (PATH) Social Circle. Colorado Health Network, Denver CO. *CHN is Colorado's oldest and largest source of services and programs for people living with HIV (PLWH) or people impacted by HIV.* <https://coloradohealthnetwork.org/>
- Dec 2022 The eyes have it! Better aging through better vision health. Community Advisory Board (CAB) of the AIDS Clinical Trial Group, CU Anschutz. [https://medschool.cuanschutz.edu/infectious-diseases/research/colorado-aids-clinical-trial-units-\(actu\)/community-advisory-board-\(cab\)](https://medschool.cuanschutz.edu/infectious-diseases/research/colorado-aids-clinical-trial-units-(actu)/community-advisory-board-(cab))
- National**
- March 2008 Developing a longitudinal prediction model for estimating GFR. Chronic Kidney Disease in Children Meeting, New Orleans, LO
- Feb 2009 Prevalence Trends and Resulting Mortality of Multidrug Resistance in Antiretroviral Therapy-Experienced Patients in North America. North American AIDS Cohort Collaboration on Research and Design Meeting, Montreal, CA
- April 2009 Longitudinal Formulas to Estimate Glomerular Filtration Rate in Children with Chronic Kidney Disease. Chronic Kidney Disease in Children Meeting, Las Vegas, NV

June 2009 The Prevalence of Multi-drug Resistance among Treated HIV-infected Patients in North America. New York City Health Department Seminar Series, New York, NY

Oct 2009 The relationship between hemoglobin and kidney function in HIV-infected men. Multicenter AIDS Cohort Study Meeting, Pittsburgh, PA

Feb 2010 Cervical cancer in HIV-infected Women in North America. International Epidemiologic Databases to Evaluate AIDS (IeDEA) Meeting, San Francisco

April 2010 Protein-Energy Wasting in Children with Non-Dialysis Dependent CKD. Chronic Kidney Disease in Children Meeting, Atlanta, GA

April 2010 Endpoints for the Chronic Kidney Disease in Children Study. Chronic Kidney Disease in Children Meeting, Atlanta, GA

Nov 2010 IGFR Protocol Change and Cohort Re-enrollment. Chronic Kidney Disease in Children Meeting, Denver, CO

Oct 2011 Estimated versus directly measured GFR in the MACS. Multicenter AIDS Cohort Steering Committee Meeting, Chicago, IL

Oct 2011 Predicting Poor GFR Estimation. Multicenter AIDS Cohort Steering Committee Meeting, Chicago, IL

April 2012 Disease Progression and Renal Replacement Therapy in Children with Chronic Kidney Disease. Chronic Kidney Disease in Children Study Meeting, San Diego, CA

Jan 2013 Antiretroviral Drug Resistance in North America: Imputation Methods to Estimate Population Prevalence. Washington State University, Paul G Allen School for Global Animal Health. Pullman, Washington.

June 2014 Disease Progression in Children with Chronic Kidney Disease. Children with Chronic Kidney Disease Study Data Monitoring Board Meeting, Bethesda, MD

Nov 2014 Innovative Methods for Studying Relationships between HIV, Exposures and Outcomes in the MACS. Multicenter AIDS Cohort Study Meeting, Data Working Group Session, Marina Del Rey CA

Feb 2015 Estimating the Impact of ACE/ARB Use on CKD Progression. Children with Chronic Kidney Disease Study Data Steering Committee Meeting, Baltimore, MD

Oct 2015 Design and Methods to Address Study Challenges in HIV. Multicenter AIDS Cohort Steering Committee Meeting, Chicago, IL.

Nov 2016 Methods to Address Research Challenges in the MACS. Multicenter AIDS Cohort Steering Committee Meeting, Baltimore, MD

Nov 2017 Methods to Address Research Challenges in the MACS. Multicenter AIDS Cohort Steering Committee Meeting, Pittsburgh, PA.

Nov 2017 Cohort Retention and Predicting Cohort Loss. Multicenter AIDS Cohort Steering Committee Meeting, Pittsburgh, PA.

Nov 2017 Data Working Group: Methods to Address Research Challenges in the MACS. Multicenter AIDS Cohort Steering Committee Meeting, Pittsburgh, PA.

Nov 2020 Retinal Microvascular Health: Can the Eye Tell Us About the Brain?, in Session: Understanding the Sensory Loss–Cognitive Function Relationship in Older Adults: Biomarker or Causal Risk Factor?, Invited speaker, Gerontological Society of America Annual Meeting, Virtual Conference

Dec 2020 Core competencies for epidemiologists: a multi-national effort, in Session: Moving forward: Theories, philosophies, and histories for education in Epidemiology, Invited speaker, Society for Epidemiology Annual Meeting, Virtual Conference

May 2022 Refractive Error and Social Determinants of Vision Health in Session: Social Determinants of Vision Health. Invited speaker, Association for Research in Vision and Ophthalmology Annual Meeting, Denver, CO

June 2022 A Sprinkling of Practical Methods and a Whole Lot of Critical Thinking in Session: On teaching advanced epidemiologic methods. Invited speaker, Society for Epidemiology Annual Meeting, Chicago, IL

Oct 2022 EyeDOC: Eye Determinants of Cognition Study at the NHLBI Novel Retinal Biomarkers for Cardiovascular Disease Virtual Workshop

Jan 2023 Interviewed for National Aging Institute Feature Story: Take Care of Your Senses: The Science Behind Sensory Loss and Dementia Risk
<https://www.nia.nih.gov/news/take-care-your-senses-science-behind-sensory-loss-and-dementia-risk>

International

Aug 2016 Interviewed for the TheBodyPRO.com in Durban, South Africa at the AIDS 2016 conference.
<https://www.thebodypro.com/article/what-do-vitamin-d-levels-at-hiv-treatment-initiati>

Oct 2016 A window to the brain: The Eye Determinants of Cognition Study. The Epidemiologie, Biostatistik, and Prävention Insitute Lunch Time Seminar Series, University of Zurich, Zurich Switzerland

Feb 2017	Clinical care practice and the cohort study: moving from observation to intervention. Institute for Medical Biometry and Statistics, University of Freiburg, Freiburg, Germany
Dec 2017	Public Health Research in Ticino: Present and Future. Università della Svizzera Italiana. Lugano, Switzerland
Oct 2020	Retinal Biomarkers for Cognitive Disease: Promise or Hype? Virtual presentation. Université de Montréal, École d'optométrie, Montreal, Canada

Teaching Record

Classroom instruction and Course Development

Local/Regional

2007-2010	Instructor, Graduate level course, Epidemiologic Methods II (340.752), Johns Hopkins Bloomberg School of Public Health; ~50 students
2008	Instructor, Graduate level course, Epidemiologic Methods I (340.751), Johns Hopkins Bloomberg School of Public Health; ~50 students
2009	Instructor, Graduate level course, Principles of Epidemiology I (340.601), Johns Hopkins Bloomberg School of Public Health; ~50 students
2009-2010	Instructor, Graduate level course, Advanced Methods for the Design and Analysis of Cohort Studies (340.728), Johns Hopkins Bloomberg School of Public Health; ~40 students
2011	Lecturer, Undergraduate level course, Introduction to Infectious Disease Epidemiology, University of Maryland, School of Public Health; ~30 students
2011-2014	Primary Instructor, Graduate level course, Methods and Applications of Cohort Studies, Epidemiology Graduate Summer Institute at Johns Hopkins Bloomberg School of Public Health; ~20 students
2012-2016	Primary Instructor, Graduate level course, Methodologic Challenges in Epidemiologic Research (340.754.01), Johns Hopkins Bloomberg School of Public Health; ~90 students
2013	Lecturer, Graduate level course, Chronic Diseases in Low-and-Middle-Income Countries, Summer Institute in Tropical Medicine and Public Health; ~20 students
2015-2019	Lecturer, Undergraduate level course, Fundamentals of Epidemiology (AS.280.350), Johns Hopkins University; ~70 students
2016	Lecturer, Undergraduate level course, Statistical Inference, Goucher Prison Education Initiative; ~20 students
2017- 2019	Co-developer and Primary Instructor, Doctoral level course, Advanced Theory and Methods in Epidemiology (340.774.01), Johns Hopkins Bloomberg School of Public Health; ~40 students
2019-2020	Lecturer, Epidemiology of Sensory Loss in Aging course (340.699.01), Johns Hopkins Bloomberg School of Public Health; ~20 students
2021	Instructor, Analytic Epidemiology (EPID6631), Colorado School of Public Health ~60 students
2021-	Instructor, Advanced Epidemiology (EPID7631), Colorado School of Public Health ~20 students
2022	Lecturer, Graduate level course, Research Methods (EPID6626), Colorado School of Public Health ~60 students

International

2016	Lecturer, Graduate level course, Misconceptions and Misspecifications in the Interpretation of Evidence, University of Zurich, Institute for Epidemiology, Biostatistics and Prevention; ~15 students
2016	Lecturer, Undergraduate level course, Quantitative methods in Global Health, University of Geneva, Global Studies Institute; ~30 students

Professional Educational Outreach and Training Programs

April 2015	Instructor, Analytical Aspects of the CKID Data, NIDDK Sponsored Workshop on Pediatric Kidney Disease
April 2016	Instructor, Graphical Techniques in Analysis of CKiD Data, NIDDK Sponsored Workshop on Pediatric Kidney Disease Research.
October 2021	Organizer and Moderator, Health Economics and Outcome Research Virtual Conference. Three Day Educational Workshop. Association for Research on Vision and Ophthalmology
January 2022	Organizer and Moderator, The nuts and bolts of data analysis for vision research. Half Day Educational Workshop. Association for Research on Vision and Ophthalmology
April 2023	Organizer and Presenter, We've got the power! Power and sample size calculations for ophthalmology and vision research. Half Day Educational Workshop. Association for Research on Vision and Ophthalmology

Advisees /Mentees

Undergraduate

2019 Se Wook (Chris) Hong, Bachelor of Arts in Public Health Studies, Johns Hopkins University. Research Project: Are cognitive researchers ignoring their senses? The problem of sensory deficit in cognitive aging research. Presented the findings at DREAMS (Day of Undergraduate Research in Engineering, the Arts & Humanities, Medicine and the Sciences) event and published in Journal of the American Geriatrics Society (JAGS), Reference #144; *Research Mentor*

MPH

2009 Ochanya Iodoko, MPH in Epidemiologic & Biostatistical Methods, Johns Hopkins Bloomberg School of Public Health. Capstone Title: Correlates of Health Care Utilization Among Adolescents with Sexually Transmitted Infections In Northern Nigeria; *Academic and Capstone Advisor*

2009 Anna Sophia McKenney, MPH in Epidemiologic & Biostatistical Methods, Johns Hopkins Bloomberg School of Public Health. Capstone Title: Clinical Diagnostics For Low-Resource Settings In The Developing World; *Academic and Capstone Advisor*

2009 Jonathan Geller, MPH in Epidemiologic & Biostatistical Methods, Johns Hopkins Bloomberg School of Public Health. Capstone Title: Approximating Dinucleotide MFE Z-score by Support Vector Regression for Discovery of non-coding RNA in Genomic Sequence Data; *Academic and Capstone Advisor*

2011 Denise Dvorquez, MPH in Epidemiologic & Biostatistical Methods, Johns Hopkins Bloomberg School of Public Health. Capstone Title: Variability in the response to effective antiretroviral therapy as a function of self-reported race; *Academic and Capstone Advisor*

2011 Heather Brostos, MPH in Epidemiologic & Biostatistical Methods, Johns Hopkins Bloomberg School of Public Health. Capstone title: Barriers to Healthy Eating: A Focus Group Study among Women at a Transitional Housing Facility; *Academic and Capstone Advisor*

2014 Iris Castro, MPH in Epidemiologic & Biostatistical Methods, Johns Hopkins Bloomberg School of Public Health. Capstone title: The Utility of Self-collected HPV DNA Specimens as a tool for diagnosis and prevention of Human Papillomavirus and Cervical Cancer: A Literature Review and Meta-analysis Proposal; *Academic and Capstone Advisor*

2015 Adebusuyi Oluwabusayo, MPH in Epidemiologic & Biostatistical Methods, Johns Hopkins Bloomberg School of Public Health. Capstone title: The Association Between Viral Load and The Report of Depressive Symptoms in HIV Positive Women on ART; *Academic and Capstone Advisor*

2019 Saleema Kherani, MPH in Epidemiologic & Biostatistical Methods, Johns Hopkins Bloomberg School of Public Health. Capstone Title: Image Quality Analysis among patients enrolled in the EyeDoc Study; *Capstone Advisor*

2022 Adhuna Mukhopadhyay, MPH in Epidemiology, Colorado School of Public Health. Capstone Title: A systematic review and meta-analysis of the prevalence and incidence of dry eye disease in the US population. *Capstone Advisor*

2023 Abigail Camenisch, MPH in Epidemiology and Global Health, Colorado School of Public Health. *Academic Advisor*

2023 Po-Jen Lin, MPH in Epidemiology & Biostatistical Methods, Johns Hopkins Bloomberg School of Public Health. Capstone title: Social Determinants of Uncorrected Refractive Error in an older adult population. *Capstone Advisor*

planned 2024 Abigail Hanks, MPH in Epidemiology, Colorado School of Public Health. *Academic Advisor*

planned 2024 Samantha Moore, MPH in Epidemiology, Colorado School of Public Health. *Academic Advisor*

MS/MHS

2012 Erin Dahlinghaus, MHS in Epidemiology, Johns Hopkins Bloomberg School of Public Health. Thesis Title: Hemoglobin Level and Risk of Hospitalization and Mortality in Children on Peritoneal Dialysis; *Master's thesis advisor*

2013 Yichen Zhong, MHS in Epidemiology, Johns Hopkins Bloomberg School of Public Health. Thesis Title: Nonlinear trajectory of glomerular filtration rate in children with chronic kidney disease. Ref #37; *Academic advisor and Master's thesis advisor*

2014 Darcy Weidemann, MHS in Epidemiology, Johns Hopkins Bloomberg School of Public Health. Thesis Title: Association of Arsenic with Estimated GFR: Results from the National Health and Nutrition Examination Survey; *Master's thesis advisor*

2015 Ruibin Wang, MHS in Epidemiology, Johns Hopkins Bloomberg School of Public Health. Thesis Title: The Impact of Tenofovir Disoproxil Fumarate on Estimated Glomerular Filtration Rate Change and Progression to End-Stage Renal Disease Among HIV- Infected Adults in North America; *Academic advisor and Master's thesis advisor*

2015 Delphine Robotham, MHS in Epidemiology, Johns Hopkins Bloomberg School of Public Health. Thesis Title: Immunogenicity of Human Papillomavirus Recombinant Vaccine (Gardasil) in Pediatric Kidney Allograft Recipients, Pediatric Dialysis Patients, and Pediatric Chronic Kidney Disease Patients;

Master's thesis advisor

- 2016 Haidong Lu, MHS in Epidemiology, Johns Hopkins Bloomberg School of Public Health. Thesis Title: Markers of Inflammation and Depression in the Multicenter AIDS Cohort Study. Received the Miriam E. Brailey Fund Award 2016; *Academic advisor and Master's thesis advisor*
- 2020 YaNan Dong, MHS in Epidemiology, Johns Hopkins Bloomberg School of Public Health. The parametric G-formula for time-to-event data: predicting the progression of kidney function in CKiD children; *Academic advisor and Master's thesis advisor*
- 2020 Xianming Xu, MHS in Epidemiology, Johns Hopkins Bloomberg School of Public Health. Smoking exposure assessment and the impact of measurement error on associational study inferences; *Master's thesis advisor*
- 2020 Justin Chun, MHS in Epidemiology, Johns Hopkins Bloomberg School of Public Health. Joint associations of chronic kidney disease and eGFR decline with retinal pathology: the eyeDOC study; *Academic advisor and Master's thesis advisor*

PhD

- 2013 Bonnielin Swenor, PhD in Epidemiology, Johns Hopkins Bloomberg School of Public Health. Dissertation Title: Visual Impairment and Mobility Disability: The Salisbury Eye Evaluation Study. *Dissertation advisor/mentor*
- 2013 Derek Ng, PhD in Epidemiology, Johns Hopkins Bloomberg School of Public Health. Dissertation Title: HIV therapy, metabolic and cardiovascular health are associated with glomerular hyperfiltration in the Multicenter AIDS Cohort Study; *Examination committee member*
- 2014 Shilpa Viswanathan, PhD in Epidemiology, Johns Hopkins Bloomberg School of Public Health. Determining Minimum Optimal Adherence to Highly Active Antiretroviral Therapy (HAART) and the Use of Concomitant Medications for Chronic Non-Aids Conditions in the Current Era of HAART; *Examination committee member*
- 2014 Peter Rebeiro, PhD in Epidemiology, Johns Hopkins Bloomberg School of Public Health. Dissertation Title: The Epidemiology of Clinical Retention Among Hiv-Infected Persons in North America; *Examination committee member*
- 2015 Andrea Wirtz, PhD in Epidemiology, Johns Hopkins Bloomberg School of Public Health. Dissertation Title: Barriers to successful engagement in care among men who have sex with men in Moscow, Russia; *Dissertation advisor/mentor and Examination committee member*
- 2015 Andreea Rawlings, PhD in Epidemiology, Johns Hopkins Bloomberg School of Public Health. Dissertation Title: Non-traditional Biomarkers of Hyperglycemia, Cognition and Drop-out Bias; *Examination committee member*
- 2015 Lauren Kurirka, PhD in Epidemiology, Johns Hopkins Bloomberg School of Public Health. Dissertation Title: HIV and End-Stage Renal Disease: Disparities and Opportunities to Improve Outcomes; *Examination committee member*
- 2017 Laura Girardat-Rotar, PhD in Epidemiology, Johns Hopkins Bloomberg School of Public Health. Thesis Title: Temporal and geographical external validation study and extension of the Mayo Clinic Prediction Model to predict eGFR in the younger population of Swiss ADPKD Patients. Ref #81; *Dissertation advisor/mentor*
- 2017 Marco Kaufmann, PhD in Epidemiology, Johns Hopkins Bloomberg School of Public Health. Thesis Title: Mediation analysis using survival data: Empirical comparison of models in a real-world dataset; *Dissertation advisor/mentor*
- 2017 Nicole Armstrong, PhD in Epidemiology, Johns Hopkins Bloomberg School of Public Health. Thesis Title: Role of Depression in Cardiovascular Disease, Cognitive Decline and Mortality. 6th International Workshop on HIV and Aging Sponsored Attendee Award, Washington, D.C. October 2015; the Delta Omega Scholarship Competition winner, 2015, Ref #76, 86; *Dissertation advisor/mentor and Examination committee member*
- 2018 Fidel Desir Boya, PhD in Epidemiology, Johns Hopkins Bloomberg School of Public Health. Thesis Title: Hispanics and the HIV Care Continuum: Trends and Opportunities for Intervention; *Examination committee member*
- 2018 Shan Andrews, PhD in Epidemiology, Johns Hopkins Bloomberg School of Public Health. Thesis Title: Characterizing the Placenta Methyome and Its Relationship to Autism Spectrum Disorder; *Examination committee member*
- 2019 Alison McFall, PhD in Epidemiology, Johns Hopkins Bloomberg School of Public Health. Thesis Title: Investigating the Potential of Respondent-Driven Sampling to Reach Undiagnosed HIV-Infected People Who Inject Drugs; *Academic advisor*
- 2019 Chinenye Ugoji, PhD in Epidemiology, Johns Hopkins Bloomberg School of Public Health. Thesis Title: Cancer Risk Factors, Inflammation, and Long-term outcomes in Cancer Survivors; *Examination*

- committee member*
- 2019 Brooke Jarrett, PhD in Epidemiology, Johns Hopkins Bloomberg School of Public Health. Thesis Title: Automated two-way messaging with an artificially intelligent chatbot may improve social support, depressive symptoms, and medication adherence among young adults living with HIV in South Africa; *Examination committee member*
- 2020 Batel Blechter, PhD in Epidemiology, Johns Hopkins Bloomberg School of Public Health. Thesis Title: Risk of Lung Cancer in Never-Smoking Women in Asia: The Impact of Genetic and Environmental Exposures; *Examination committee member*
- 2020 Gabriel Innes, PhD in Environmental Health, Johns Hopkins Bloomberg School of Public Health. The role of retail meat processors in ARB exposure among consumers. *Dissertation advisor/mentor and Examination committee chair*
- Planned 2024 Jessica Butler, DrPH in Epidemiology, Colorado School of Public Health. Practicum Title: Linking HAI/AR data to population demographics and social determinants of health. *mentor*
- Planned 2024 Karilynn Rockhill, PhD in Epidemiology, Colorado School of Public Health. Dissertation Title: Polysubstance Use and risk of substance use disorder and overdose. Awarded an R36 Dissertation Research Grant from NIDA, 2023. Received Emerging Scholar's Program Award from the American Public Health Association (APHA) 2023 *Dissertation advisor/mentor/Committee member.*
- Planned 2025 Lauren Vanderlinden, PhD in Epidemiology, Colorado School of Public Health. Dissertation Title: Lipid Mediator Profiles and Progression to Rheumatoid Arthritis in Autoantibody-Positive Individuals. *Dissertation committee chair*
- Planned 2025 Alyssa Beck, PhD in Epidemiology, Colorado School of Public Health. Dissertation Title: Use of Electronic Health Records to Examine Longitudinal Risk Factors and Outcomes for Antibiotic Resistant Infections. Hamman-Hoffman Scholarship award winner, 2023. Awarded a T32 Training Grant from Colorado Clinical and Translational Sciences Institute, 2023. *Dissertation advisor/mentor/Committee member*

MD

- 2017 Moon Lee Jong, Johns Hopkins University. Dean's Year of Research Project Title: Prevalence of Retinal Microvascular Abnormalities and Association with Cognitive Status: The Atherosclerosis Risk in Communities Neurocognitive Study; Dean's Award. Reference #84, 96; *Research project advisor*

Research Record

Grants

Active

- 2019 - 2026 MACS WIHS Combined Cohort Study (MWCCS) Data Coordination Center (DCC), U01-HL146193-01 (PIs: Stephen Gange, PhD, Elizabeth Golub, PhD, Gypsyamber D'Souza, PhD); NHLBI
Role: Co-Investigator
As the chair of the data working group and primary methodological faculty in the DCC, I play a significant role in the MWCCS. I oversee 7 biostatisticians and 5 data managers to assure data quality and robustness of analytic procedures and results. I am charged with overseeing the development of new methods, training biostatisticians in best practices and handling issues of data quality. I present the data of the study to the clinical investigators at the semi-annual meetings, evaluate the quality of manuscripts submitted to the steering committee, and write the methodological section for renewal grants.
- 2020 - 2023 Admin Supplement through the Strategic Fund: Vision and dual sensory loss in HIV-infected older adults. U01-HL146193-01 Tracking # GRANT13020041 (PI: Joseph Margolick/Todd Brown); NIA; Direct Costs: \$249,907 (in no cost extension)
Role: Supplement Principal Investigator
- 2021 - 2023 Healthcare-Associated Infections/Antimicrobial Resistance (HAI/AR), (Co-PI: Abraham/Czaja), Colorado Department of Public Health and Environment, Direct Costs: \$211,406
Role: Principal Investigator of Contract
- 2021 - 2023 Admin Supplement for grant 3UG1EY020522-12W1 "Comparative Effectiveness Research & Cochrane Eyes and Vision" (PI Tianjing Li), National Eye Institute; Direct Costs: \$249,361 (in no cost extension)
Role: Co-Investigator
- 2022 - 2025 Integrative Care for Healthy Aging and Navigation of Geriatric Effects (iCHANGE) of Older People Living with HIV/AIDS: An emerging strategy (PI: Burk-Leaver); HRSA RFA-HRSA-22-028; Subcontract Direct Costs: \$29,229
Role: Co-Investigator
- 2023 - 2025 Quality Evaluation Support Team (QUEST). Evaluation of Medicaid-funded projects through CU Medicine to improve the care of the Medicaid population.

2023 – 2027 Role: Co-Investigator
Acute Kidney Injury in Children with Chronic Kidney Disease, R01 DK135650-01 (PI: Greenberg J)
NIDDK; Direct costs: \$2,192,248
Role: Co-Investigator

Completed

2016 - 2021 The Impact of HCV Infection on Bone Turnover, Density, and Strength, R01AI120733-01A1 (PI: Todd Brown, MD); NIAID
Role: Co-Investigator

This project uses the ALIVE cohort to understand the dynamics between HCV infection and bone health. I work on this project consulting on sampling, study design and analysis.

2016 - 2021 Eye Determinants of Cognition (EyeDOC) Study, 1R01AG052412, Co-PIs: Alison Abraham/Pradeep Ramulu); NIA; Direct costs: \$2,114,547
Role: Principal Investigator

This project is embedded in the Atherosclerosis Risk in Communities study. We implemented vision testing and retinal imaging with the primary goal of evaluating the usefulness of retinal neuronal and vascular biomarkers for predicting early dementia risk.

2020 - 2021 NASA Space Medicine Teaching Grant, PI: Lemery, NASA
Role: Instructor

2018 - 2020 Conjunctival Microbiome in Glaucoma Patients: A Pilot Study; Wilmer Pooled Professor Fund supported by the Foundation to Prevent Blindness, Direct Costs: \$24,000
Role: Principal Investigator

This was a small pilot project that sought to characterize the microbiome of the conjunctiva and to look at whether glaucoma drop use impacted the distribution of bacteria.

2015 - 2020 Chronic kidney disease biomarkers consortium (CKD BIOCON), U01 DK106982 (PIs: Susan Furth, MD; Michelle Denberg, MD), NIDDK; Direct costs: \$9,678,441
Role: JHU Subcontract Principal Investigator

For this initiative, I am leading the Data Coordinating Center for the Chronic Kidney Disease in Children (CKiD) site of the Consortium. All analyses go through my hands and I oversee the primary biostatistician for the work.

2010 - 2015 The Aging Kidney in HIV-Infection: Biomarkers for Early Detection of Injury U01 AG034853, (PI: Michael Shlipak, MD); NIDDK
Role: Co-Investigator on subcontract

2013 - 2016 Vitamin D Deficiency, Inflammation and Age-related disease in HIV-Infected Men, R21AI109817, (PI: Alison Abraham); NIAID; Direct Costs: \$227,347
Role: Principal Investigator

2014 - 2017 Novel approaches to characterize depressive symptoms and cognitive outcomes, 1R03MH103961-01 (co-PIs: Alison Abraham and Pamela Surkan); NIMH; Direct costs: \$56,539
Role: Co-Principal Investigator

2013 - 2018 North American AIDS Cohorts Collaboration on Research and Design Cohort Study U01 AI069918, (PI: Richard D Moore, MD); NIAID
Role: Co-Investigator

2013 - 2018 Women's Interagency HIV Study Data Management and Analysis Center U01 AI042590, (PI: Stephen J. Gange, PhD); NIAID
Role: Co-Investigator

Past

2016 - 2023 Environmental Influences on Child Health Outcomes (ECHO) U24OD023382, (PI: Lisa Jacobson); NICHD
Role: Co-Investigator

Following the end of the Children's Health Study, ECHO was developed to harness data from existing pediatric cohorts to understand environmental exposure impact on development. As one of the DCC methodological consultants, I provide guidance on data harmonization, measurement and methodology.

2019 - 2023 Kidney Disease in Children Data Management and Analysis Center Cohort Study U01DK066116, (PI: Alvaro Muñoz, PhD); NIDDK
Role: Co-Investigator

2016 - 2021 The Role of Penile Bacteria and Inflammation in HIV Susceptibility; Rakai, Uganda, 5R01AI123002-02, (PI: Lance Price); NIAID
Role: Co-Investigator

2019 - 2020 The Wilmer Biostatistics Center (WBC) P30EY00176545, (PI: Abraham); NEI

The WBC is one module of a larger P30 for the Wilmer Eye Institute that provides study design and analytic support to the

2016 – 2022 *Hopkins vision research community. I was the director and module PI for 2 years.*
Novel Biomarkers of Chronic Kidney Disease in Children, 5K08DK110536 (PI:Greenberg, J) NIDDK;
Direct Costs: \$773,487
Role: Co-Investigator

Bibliography

Peer Reviewed – Original Research

1. **Gump A**, Haughney L, Fredberg JJ. Relaxation of activated airway smooth muscle: relative potency of isoproterenol versus tidal stretch. *J Appl Physiol.* 2001 Jun; 90(6):2306-2310. PMID: 11356796
2. **Gump A**, LeGare M, Hunt D. The application of Fitts' law to individuals with cerebral palsy. *Percept Mot Skills.* 2002 Jun;94:883-895, 2002. PMID: 12081294
3. **Abraham AG**, Congdon NG, Gower E. The new epidemiology of cataract. *Ophthalmol Clin North Am.* 2006 Dec;19(4):415-25. PMID: 17067897
4. Outwater A, Campbell J, Mgya E, **Abraham AG**, Kinabo L, Kazaura M, Kub J. Homicide death in Dar es Salaam, Tanzania 2005. *Int J Inj Contr Saf Promot.* 2008 Dec;15(4):243-52. PMID: 19051087
5. Kitahata MM, Gange SJ, **Abraham AG**, Merriman B, Saag MS, Justice AC, Hogg RS, Deeks SG, Eron JJ, Brooks JT, Rourke SB, Gill MJ, Bosch RJ, Martin JN, Klein MB, Jacobson LP, Rodriguez B, Sterling TR, Kirk GD, Napravnik S, Rachlis AR, Calzavara LM, Horberg MA, Silverberg MJ, Gebo KA, Goedert JJ, Benson CA, Collier AC, Van Rompaey SE, Crane HM, McKaig RG, Lau B, Freeman AM, Moore RD, for the NA-ACCORD Investigators. Effect of early versus deferred antiretroviral therapy for HIV on survival. *N Engl J Med.* 2009;360:1815-1826. PMCID: PMC2854555
6. **Abraham AG**, Schwartz GJ, Furth S, Warady BA, Muñoz A. Longitudinal formulas to estimate GFR in children with CKD. *Clin J Am Soc Nephrol.* 2009 Nov;4(11):1724-30. PMCID: PMC2774961
7. **Abraham AG**, Duncan DD, Gange SJ, West S. Computer-aided assessment of diagnostic images for epidemiological research. *BMC Med Res Methodol.* 2009 Nov 11;9:74. PMCID: PMC2780453
8. Schwartz GJ, **Abraham AG**, Furth SL, Warady BA, Muñoz A. Optimizing iohexol plasma disappearance curves to measure the glomerular filtration rate in children with chronic kidney disease. *Kidney Int.* 2010 Jan;77(1):65-71. PMCID: PMC2953273
9. Gerson AC, Wentz A, **Abraham AG**, Mendley SR, Hooper SR, Butler RW, Gipson DS, Lande MB, Shinnar S, Moxey-Mims MM, Warady BA, Furth SL. Health-related quality of life of children with mild to moderate chronic kidney disease. *Pediatrics* 2010 Feb;125(2):e349-57. PMCID: PMC3663134
10. **Abraham AG**, Cox C, West S. The differential effect of ultraviolet light exposure on cataract rate across regions of the lens. *Invest Ophthalmol Vis Sci.* 2010 Aug; 51(8):3919-3923. PMCID: PMC2910634
11. **Abraham AG**, Gange SJ, Rawleigh SB, Glass SR, Springer G, Samet JM. Retrospective mortality study among employees occupationally exposed to toner. *J Occup Environ Med.* 2010 Oct;52(10):1035-41. PMID:20881618
12. Estrella MM, Parekh RS, **Abraham A**, Astor BC, Szczech LA, Anastos K, Dehovitz JA, Merenstein DJ, Pearce CL, Tien PC, Cohen MH, Gange SJ. The impact of kidney function at highly active antiretroviral initiation on mortality in HIV-infected women. *J Acquir Immune Defic Syndr.* 2010 Oct 1;55(2):217-220. PMCID: PMC3243740
13. Longenberger A, Lim JY, Brown TT, **Abraham A**, Palella FJ, Effros RB, Orchard T, Brooks MM, and Kingsley LA. Low physical function as a risk factor for incident diabetes mellitus and insulin resistance. *Future Virol.* 2011 Apr; 16(4): 439-449. PMCID: PMC3690565
14. **Abraham AG**, Muñoz A, Furth SL, Warady BA, Schwartz GJ. Extracellular volume and glomerular filtration rate in children with chronic kidney disease. *Clin J Am Soc Nephrol.* 2011 Apr;6(4):741-7. PMCID: PMC3069364
15. Gingo MR, Lucht L, Daly KR, Djawe K, Palella FJ, **Abraham AG**, Bream JH, Witt MD, Kingsley LA, Norris KA, Walzer PD, Morris A. Serologic responses to *Pneumocystis* proteins in HIV patients with and without *Pneumocystis jirovecii* pneumonia. *J Acquir Immune Defic Syndr.* 2011 Jul 1;57(3):190-196. PMCID: PMC3150634
16. Furth SL, **Abraham AG**, Jerry-Fluker J, Schwartz GJ, Benfield M, Kaskel F, Wong C, Mak RH, Moxey-Mims M, Warady BA. Metabolic abnormalities, cardiovascular disease risk factors, and GFR decline in children with chronic kidney disease. *Clin J Am Soc Nephrol.* 2011 Sep;6(9):2132-40. PMCID: PMC3358991
17. **Abraham AG**, Lau B, Deeks S, Moore RD, Zhang J, Eron J, Harrigan R, Gill MJ, Kitahata M, Klein M, Napravnik S, Rachalis A, Rodriguez B, Rourke S, Benson C, Bosch R, Collier A, Gebo K, Goedert J, Hogg R, Horberg M, Jacobson L, Justice A, Kirk G, Martin J, McKaig R, Silverberg M, Sterling T, Thorne J, Willig J and Gange SJ for the North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD) of IeDEA. Missing Data on the estimation of the prevalence of accumulated human immunodeficiency virus drug resistance in patients treated with antiretroviral drugs in North America. *Am J Epidemiol.* 2011 Sep 15;174(6):727-735. PMCID: PMC3202147
18. Liu CM, Kachur S, Dwan MG, **Abraham AG**, Aziz M, Hsueh PR, Huang YT, Busch JD, Lamit LJ, Gehring CA, Keim P, Price LB. FungiQuant: A broad-coverage fungal quantitative real-time PCR assay. *BMC Microbiol.* 2012

Nov 8;12(1):255. PMID: PMC3565980

19. Atkinson MA, Pierce CB, Fadrowski JJ, Benador NM, White CT, Turman MA, Pan CG, **Abraham AG**, Warady BA, and Furth SL. Association between common iron store markers and hemoglobin in children with Chronic Kidney Disease. *Pediatr Nephrol.* 2012 Dec;27(12):2275-83. PMID: PMC3492507
20. **Abraham AG**, Palella FJ, Li X, Estrella MM, Kingsley LA, Witt MD, Jacobson LP. The impact of impaired kidney function and HIV-infection on the risk of anemia. *AIDS Res Hum Retroviruses.* 2012 Dec; 28(12): 1666-1671. PMID: PMC3505063
21. Shlipak MG, Scherzer R, **Abraham A**, Tien PC, Grunfeld C, Peralta CA, Devarajan P, Bennett M, Butch AW, Anastos K, Cohen MH, Nowicki M, Sharma A, Young MA, Sarnak MJ, Parikh CR. Urinary markers of kidney injury and kidney function decline in HIV-infected women. *J Acquir Immune Defic Syndr.* 2012 Dec 15;61(5):565-73. PMID: PMC3509242
22. Wyatt CM, Schwartz GJ, Ong'or WO, Abuya J, **Abraham A**, Mboku C, M'mene LB, Koima WJ, Hotta M, Maier P, Klotman PE. Estimating kidney function in HIV-infected adults in Kenya: Comparison to a direct measure of glomerular filtration rate by iohexol clearance. *PLoS One.* 2013 Aug 8;8(8):e69601. doi: 10.1371/journal.pone.0069601. PMID: PMC3738577
I was given the data from this study and asked to perform the appropriate analysis. Thus, I designed and implemented the analysis, producing all of the graphs and tables and I wrote the methods and results sections of the manuscript.
23. **Abraham AG**, Strickler HD, Jing Y, Gange SJ, Sterling TR, Silverberg M, Saag M, Rourke S, Rachalis A, Napravnik S, Moore RD, Klein M, Kitahata M, Kirk G, Hogg R, Hessel NA, Goedert JJ, Gill MJ, Gebo K, Eron JJ, Engels EA, Dubrow R, Crane HM, Brooks JT, Bosch R, D'Souza G for the North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD) of IeDEA. Invasive cervical cancer risk among HIV-infected women: A North American multi-cohort collaboration prospective study *J Acquir Immune Defic Syndr.* 2013 Apr 1;62(4):405-13. PMID: PMC3633634
24. Oboho I, **Abraham AG**, Benning L, Anastos K, Sharma A, Young M, Burian P, Gandhi M, Cohen M, Szczech L. Tenofovir use and urinary biomarkers among HIV-infected women in the Women's Interagency HIV Study (WIHS). *J Acquir Immune Defic Syndr.* 2013 Apr 1;62(4):388-95. PMID: PMC3692572
25. Estrella MM, **Abraham AG**, Jing Y, Parekh RS, Tien P, Merenstein D, Pearce L, Anastos K, Cohen MH, Dehovitz JA, Gange SJ. Antiretroviral-treated HIV-infected women have similar long-term kidney function trajectories as HIV-uninfected women. *AIDS Res Hum Retroviruses.* 2013 May;29(5):755-60. PMID: PMC3636577
26. Nicholaou MJ*, Martinson JJ, **Abraham AG**, Brown TT, Hussain SK, Wolinsky SM, Kingsley LA. HAART-associated dyslipidemia varies by biogeographical ancestry in the Multicenter AIDS Cohort Study. *AIDS Res Hum Retroviruses.* 2013 Jun;29(6):871-9. PMID: PMC3653392
The lead author, Mathew Nicholaou, was a doctoral student and I was asked to mentor him through a redesign and reanalysis of the study after the original manuscript was found flawed by the Steering Committee for the MACS study
27. Fadrowski JJ, **Abraham AG**, Navas-Acien A, Guallar E, Weaver VM, Furth SL. Blood lead level and measured glomerular filtration rate in children with chronic kidney disease. *Environ Health Perspect.* 2013 Aug;121(8):965-70. PMID: PMC3734488
28. Omoloja A, Jerry-Fluker J, Ng D, **Abraham AG**, Furth S, Warady BA, Mitsnefes M. Secondhand smoke exposure is associated with proteinuria in children with chronic kidney disease. *Pediatr Nephrol.* 2013 Aug;28(8):1243-51. PMID: PMC3703840
29. Crawford KW, Li X, Xu X, **Abraham A**, Dobs AS, Margolick JB, Pallella FJ, Kingsley LA, Witt MD, Brown TT. Lipodystrophy and inflammation predict later grip strength in HIV-infected men: the MACS Body Composition Sub-study. *AIDS Res Hum Retroviruses.* 2013 Aug;29(8):1138-45. PMID: PMC3715766
30. Driver TH, Scherzer R, Peralta CA, Tien PC, Estrella MM, Parikh CR, Butch AW, Anastos K, Cohen M, Nowicki M, Sharma A, Young MA, **Abraham A**, Shlipak MG. Comparisons of creatinine and cystatin C for detection of kidney disease and prediction of all-cause mortality in HIV-infected women. *AIDS.* 2013 Sep 10;27(14):2291-9. PMID: PMC3919542
31. **Abraham AG**, Li X, Jacobson LP, Estrella MM, Evans RW, Witt MD, Phair J. Antiretroviral therapy-induced changes in plasma lipids and the risk of kidney dysfunction in HIV-infected men. *AIDS Res Hum Retroviruses.* 2013 Oct;29(10):1346-52. PMID: PMC3785801
32. Lucas GM, Jing Y, Sulkowski M, **Abraham AG**, Estrella MM, Atta MG, Fine DM, Klein MB, Silverberg MJ, Gill MJ, Moore RD, Gebo KA, Sterling TR, Butt AA for the NA-ACCORD of the IeDEA. Hepatitis C viremia and the risk of chronic kidney disease in HIV-infected individuals. *J Infect Dis.* 2013 Oct 15;208(8):1240-9. PMID: PMC3778973
33. Mateen FJ, Post W, Sacktor N, **Abraham A**, Becker JT, Smith B, Detels R, Martin M, Phair J, Shinohara R. Long-term Predictive Value of the Framingham Risk Score for Stroke in HIV+ vs. HIV- Men. *Neurology.* 2013 Dec 10;81(24):2094-102. PMID: PMC3863354
34. Margolick JB, Jacobson LP, Schwartz GJ, **Abraham AG**, Darilay AT, Kingsley LA, Witt MD, Palella FJ. Factors Affecting Glomerular Filtration Rate, as Measured by Iohexol Disappearance, in Men with or at Risk for HIV

- Infection. PLoS ONE 2014 Feb 7;9(2):e86311. PMID: PMC3917840
35. Jotwani V, Scherzer R, **Abraham A**, Estrella MM, Bennett M, Devarajan P, Anastos K, Cohen MH, Nowicki M, Sharma A, Young M, Tien PC, Grunfeld C, Parikh CR, Shlipak MG. Does HIV infection promote early kidney injury in women? *Antivir Ther.* 2014;19(1):79-87. PMID: PMC3933452
 36. Ng D, Jacobson LP, Brown TT, Palella FJ, Martinson JJ, Bolan R, Miller ES, Schwartz GJ, **Abraham AG**, Estrella MM. HIV therapy, metabolic and cardiovascular health are associated with glomerular hyperfiltration in the Multicenter AIDS Cohort Study. *AIDS* 2014 Jan 28;28(3):377-86. PMID: PMC3972628
 37. **Zhong Y***, Muñoz A, Schwartz GJ, Warady BA, Furth SL, **Abraham AG**. Nonlinear Trajectory of GFR in Children before RRT. *J Am Soc Nephrol* 2014 May;25(5):913-7. PMID: PMC4005299
 38. Peralta CA, Shlipak M, Scherzer R, **Abraham AG**, Tien PC, Grunfeld C, Devarajan P, Bennett M, Butch AW, Anastos K, Cohen MH, Nowicki M, Sharma A, Young M, Sarnak MJ, Parikh CR. Urinary Biomarkers of Kidney Injury Are Associated with All-Cause Mortality in the Women's Interagency HIV Study (WIHS). *HIV Med.* 2014 May;15(5):291-300. PMID: PMC3975680
 39. **Abraham AG**, Mak RH, Mitsnefes M, White C, Moxey-Mims M, Warady B, Furth SL. Protein energy wasting in children with chronic kidney disease. *Pediatr Nephrol* 2014 Jul;29(7):1231-8. PMID: PMC4414488
 40. Lang J, Scherzer R, Tien PC, Parikh CR, Anastos K, Estrella MM, **Abraham AG**, Sharma A, Cohen MH, Butch AW, Nowicki M, Grunfeld C, Shlipak MG. Serum Albumin and Kidney Function Decline in HIV-Infected Women. *Am J Kidney Dis.* 2014 Oct;64(4):584-91. PMID: PMC4177337
 41. Beachler DC, **Abraham AG**, Silverberg MJ, Jing Y, Fakhry C, Gill MJ, Dubrow R, Kitahata MM, Klein MB, Burchell AN, Kortuis PT, Moore RD, D'souza G, on behalf of the North American Aids Cohort Collaboration On Research And Design (NA-ACCORD) of IEDEA. Incidence and Risk Factors of HPV-related and HPV-unrelated Head and Neck Squamous Cell Carcinoma in HIV-infected Individuals. *Oral Oncol.* 2014 Dec;50(12):1169-76. PMID: PMC4253676
 42. Slama L, Palella F, **Abraham A**, Li, X, Vigouroux C, Pialoux G, Kingsley L, Lake J, Brown T. Inaccuracy of Hemoglobin A1c among HIV-infected: Effects of CD4 cell count, Antiretroviral Therapies, and Hematologic Parameters. *J Antimicrob Chemother.* 2014 Dec;69(12):3360-7. PMID: PMC4228777
 43. Outwater AH, Mgya E, Msemo S, Helgesson L, **Abraham AG**. Youth unemployment, community violence, creating opportunities in Dar es Salaam, Tanzania: a qualitative study. *Tanzan J Health Res* 2015 Jan; 17(1). Doi: <http://dx.doi.org/10.4314/thrb.v17i1.6>
 44. Kitahata M, Drozd D, Crane H, Van Rompaey S, Althoff K, Gange S, Klein MB, Lucas G, **Abraham A**, Lo Re V, McReynolds J, Lober W, Mendes A, Modur S, Jing Y, Morton E, Griffith M, Freeman A, Moore RD. Ascertainment and verification of end-stage renal and liver disease in the North American AIDS Cohort Collaboration on Research and Design. *AIDS Res Treat.* Epub 2015 Feb 19. PMID: PMC4350581.
 45. Jotwani V, Scherzer R, **Abraham A**, Estrella MM, Bennett M, Cohen MH, Nowicki M, Sharma A, Young M, Tien PC, Ix JH, Saranak M, Parikh CR, Shlipak MG. Association of urine a1-microglobulin with kidney function decline and mortality in HIV-infected women. *Clin J Am Soc Nephrol.* 2015 Jan 7;10(1):63-73. PMID: PMC4284407
 46. Estrella MM, Li M, Tin A, **Abraham AG**, Shlipak MG, Hussain SK, Palella FJ, Martinson JJ, Parekh RS, Kao WHL. The Association between APOL1 Risk Alleles and Longitudinal Kidney Function Differs by HIV Viral Suppression Status. *Clin Infect Dis.* 2015 Feb 15;60(4):646-52. PMID: PMC4318914
 47. **Abraham AG**, Althoff KA, Jing Y, Estrella MM, Kitahata MM, Wester CW, Bosch RJ, Crane H, Eron J, Gill MJ, Horberg M, Justice AC, Klein M, Mayor AM, Moore RD, Palella FJ, Parikh CR, Silverberg MJ, Golub ET, Jacobson LP, Napravnik S, Lucas GM on behalf of the North American Aids Cohort Collaboration On Research And Design (NA-ACCORD) of International Epidemiologic Databases to Evaluate AIDS (IeDEA). End Stage Renal Disease Among HIV-Infected Adults in North America. *Clin Infect Dis.* 2015 Mar 15;60(6):941-9. PMID: PMC4357817
 48. Yehia BR, Rebeiro P, Althoff KN, Agwu AL, Horberg MA, Samji H, Napravnik S, Mayer K, Tedaldi E, Silverberg MJ, Thorne JE, Burchell AN, Rourke SB, Rachlis A, Mayor A, Gill MJ, Zinski A, Ohl M, Anastos K, **Abraham AG**, Kitahata MM, Moore RD, and Gebo KA for the North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD) The Impact of Age on Retention in Care and Viral Suppression. *J Acquir Immune Defic Syndr.* 2015 Apr 1;68(4):413-9. PMID: PMC4334738
 49. Fathallah-Shaykh SA, Flynn JT, Pierce CB, **Abraham AG**, Blydt-Hansen TD, Massengill SF, Moxey-Mims MM, Warady BA, Furth SL, Wong CS. Progression of Pediatric Chronic Kidney Disease of Non-glomerular Origin in the CKiD Cohort. *Clin J Am Soc Nephrol.* 2015 Apr 7;10(4):571-7. PMID: PMC4386256
 50. Verbitsky M, Sanna-Cherchi S, Fasel DA, Levy B, Kiryluk K, Wuttke M, **Abraham AG**, Kaskel F, Köttgen A, Warady BA, Furth SL, Wong CS, Gharavi AG. Genomic imbalances in patients with pediatric chronic kidney disease. *J Clin Invest.* 2015 May;125(5):2171-8. PMID: PMC4463214
 51. Warady BA, **Abraham AG**, Schwartz GJ, Wong CS, Muñoz A, Betoko A, Mitsnefes M, Kaskel F, Greenbaum LA, Mak RH, Flynn J, Moxey-Mims MM, Furth S. Predictors of Rapid Progression of Glomerular and Non-Glomerular Kidney Disease in Children: The CKiD Cohort. *Am J Kidney Dis.* 2015 Jun;65(6):878-88. PMID:

PMC4578873

52. Liu CM, Price LB, Hungate BA, **Abraham AG**, Larsen LA, Christensen K, Stegger M, Skov R, Andersen PS. Staphylococcus aureus and the Ecology of the Nasal Microbiome. Science Advances, 2015 Jun; 1 (5): e1400216 DOI: 10.1126/sciadv.1400216. PMID: PMC4640600
53. Weidemann D, Kuo C, Navas-Acien A; **Abraham AG**, Weaver V; Fadrowski J. Association of Arsenic with Kidney Function in Adolescents and Young Adults: Results from the National Health and Nutrition Examination Survey 2009-2012. Environ Res. 2015 Jul;140:317-24. PMID: PMC4492804
54. **Abraham AG**, Darilay A, McKay H, Margolick JB, Estrella MM, Palella FJ, Bolan R, Rinaldo CR, Jacobson LP. Kidney Dysfunction and Markers of Inflammation in the Multicenter AIDS Cohort Study. J Infect Dis 2015; Oct;212(7):1100-10. PMID: PMC4559190
55. Shafi T, Levey AS, Inker LA, Schwartz GJ, **Abraham AG**, Eckfeldt JH, Coresh J. Plasma Iohexol Clearance for Assessing Residual Kidney Function in Dialysis Patients. Am J Kidney Dis. 2015 Oct; 66(4):728-30. PMID: PMC4807851
56. Baxi, SM, Scherzer R, Greenblatt RM, Minkoff H, Sharma A, Cohen M, **Abraham AG**, Young MA, Gandhi M, Shlipak MG, for the Women's Interagency HIV Study (WIHS). Higher Tenofovir Exposure is Associated with Longitudinal Declines in Kidney Function in Women Living with HIV. AIDS. 2016 Feb 20;30(4):609-18. PMID: PMC4782771
57. Reberio P, Althoff KN, Lau B, Gill J, **Abraham AG**, Horberg MA, Kitahata MM, Yehia BR, Samji H, Brooks JT, Buchacz K, Napravnik S, Silverberg MJ, Rachlis A, Gebo KA, Sterling TR, Moore RD, Gange SJ for the North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD). Laboratory measures are imperfect proxies of primary care encounters: implications for quantifying clinical retention among HIV-infected adults in North America. Am J Epidemiol. 2015 Dec 1;182(11):952-60. PMID: PMC4655744
58. Kumar J, McDermott K; **Abraham AG**, Friedman LA, Johnson VA, Kaskel FJ, Furth SL, Warady BA, Portale AA, Melamed ML. Prevalence and Correlates of 25-hydroxyvitamin D Deficiency in the Chronic Kidney Disease in Children (CKiD) Cohort. Pediatric Nephrology 2016 Jan;31(1):121-9. PMID: PMC4884450
59. Erlandson KM, Li X, **Abraham AG**, Margolick JB, Lake JE, Palella FJ, Koletar SL, Brown TT. Long-term Impact of HIV Wasting on Physical Function in the Multicenter AIDS Cohort Study. AIDS. 2016 Jan 28;30(3):445-54. PMID: PMC4712700
60. Sherzner R, Lin H, Thiessen-Philbrook H, Parikh CR, Bennett M, Cohen MH, Nowicki M, Sharma A, Young M, Tien P, **Abraham AG**, Jotwani V, Shlipak MG. Use of urine biomarker-derived clusters to predict risk of CKD and all-cause mortality in HIV-infected women. Nephrol Dial Transplant. 2016 Sep;31(9):1478-85. PMID: PMC5009288
61. Rebeiro PF, Gange SJ, Horberg MA, **Abraham AG**, Napravnik S, Samji H, Yehia, BR, Althoff KN, Moore RD, Kitahata MM, Curriero FC. Geographic Variations in Retention in Care among HIV-Infected Adults in the United States. PLoS One. 2016 Jan 11;11(1):e0146119. doi: 10.1371/journal.pone.0146119. PMID: PMC4708981
62. Nelson DR*, Neu AM, **Abraham A**, Amaral S, Batsky D, Fadrowski JJ. Immunogenicity of Human Papillomavirus Recombinant Vaccine in Children with CKD. Clin J Am Soc Nephrol. 2016 May 6;11(5):776-84. PMID: PMC4858485
63. Buchacz K, Lau B, Jing Y, Bosch R, **Abraham AG**, Gill MJ, Silverberg MJ, Goedert JJ, Sterling TR, Althoff KN, Martin JN, Burkholder G, Gandhi N, Samji H, Patel P, Rachlis A, Thorne JE, Napravnik S, Henry K, Mayor A, Gebo K, Gange SJ, Moore RD, Brooks JT for the North American AIDS Cohort Collaboration on Research and Design NA-ACCORD of IeDEA. Incidence of AIDS-defining opportunistic infections in a multi-cohort analysis of HIV-infected persons in the United States and Canada, 2000-2010. J Infect Dis. 2016 Sep 15;214(6):862-72. PMID: PMC4996145
64. Althoff KN, Rebeiro, PF, Hanna DB, Padgett D, Horberg MA, Grinsztejn B, **Abraham AG**, Hogg R, Gill MJ, Wolff MJ, Mayor A, Rachlis A, Williams C, Sterling TR, Kitahata M, Buchacz K, Thorne JE, Cesar C, Cordero FM, Rourke SB, Sierra-Madero J, Pape JW, Cahn P, McGowan C for the North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD) and the Caribbean, Central and the South America Network for HIV Epidemiology (CCASAnet). A picture is worth a thousand words: Maps of HIV indicators to inform research, programs, and policy. J Int AIDS Soc. 2016 Apr 4;19(1):20707. doi: 10.7448/IAS.19.1.20707. PMID: PMC4821890
65. McKay H, Bream JH, Margolick JB, Martínez-Maza O, Phair J, Rinaldo C, **Abraham AG**, Jacobson LP. Host factors associated with serologic inflammatory markers assessed using multiplex assays. Cytokine. 2016 Sep;85:71-9. PMID: PMC5088708
66. McKay HS, Bream JH, Margolick JB, Martínez-Maza O, Magpantay LI, Phair JP, Rinaldo CR, **Abraham AG**, Jacobson LP. Data on serologic inflammatory biomarkers assessed using multiplex assays and host characteristics in the Multicenter AIDS Cohort Study (MACS). Data Brief. 2016 Aug 16;9:262-70. PMID: PMC5024314
67. Hui WF, Betoko A, Savant JD, **Abraham AG**, Greenbaum LA, Warady B, Moxey-Mims MM, Furth SL. Assessment of Dietary Intake of Children with Chronic Kidney Disease. Pediatr Nephrol. 2017 Mar;32(3):485-

494. PMID: PMC5642285
68. **Abraham AG**, Betoko A, Fadrowski JJ, Pierce C, Furth SL, Warady BA, Muñoz A. Renin-Angiotensin II-Aldosterone System Blockers and Time to Renal Replacement Therapy in Children with CKD. *Pediatr Nephrol*. 2017 Apr;32(4):643-649. PMID: PMC5336532
69. Sheils MS, Althoff KN, Pfeiffer RM, Achenbach CJ, **Abraham AG**, Castilho J, Cescon A, D'Souza G, Dubrow R, Eron JJ, Gebo K, Gill MJ, Goedert JJ, Grover S, Hessol NA, Justice A, Kitahata M, Mayor A, Moore RD, Napravnik S, Novak RM, Thorne JE, Silverberg MJ, Engels EA for the North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD) of International Epidemiologic Databases to Evaluate AIDS (IeDEA). HIV Infection, Immune Suppression and Age at Diagnosis of Non-AIDS-Defining Cancers. *Clin Infect Dis*. 2017 Feb 15;64(4):468-475 PMID: In process.
70. Zhang L*, Tin A, Brown TT, Margolick JB, Witt MD, Palella Jr. FJ, Kingsley LA, Hoofnagle AN, Jacobson LP, **Abraham AG**. Vitamin D Deficiency and Metabolism in HIV-infected and -uninfected Men in the Multicenter AIDS Cohort Study (MACS). *AIDS Res Hum Retroviruses*. 2017 Mar;33(3):261-270. PMID: PMC533563
71. Baxi, SM, Scherzer R, Jotwani V, Estrella MM, **Abraham AG**, Bennett MR, Cohen MH, Nowicki MJ, Gustafson DR, Sharma A, Young MA, Shlipak MG, for the Women's Interagency HIV Study (WIHS). Changes in Urinary Biomarkers over 10 Years is Associated with Viral Suppression in a Prospective Cohort of Women Living with HIV. *J Acquir Immune Defic Syndr*. 2017 Apr 15;74(5):e138-e145. doi: 10.1097/QAI.0000000000001200. PMID: PMC5340602
72. Wong C*, Gange SJ, Buchacz K, Moore RD, Justice AC, Horberg MA, Gill MJ, Koethe JR, Rebeiro PF, Silverberg MJ, Palella FJ, Patel P, Kitahata MM, Crane HM, **Abraham AG**, Samji H, Napravnik S, Ahmed T, Thorne JE, Bosch RJ, Mayor AM, Althoff KN. North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD). First occurrence of diabetes, chronic kidney disease, and hypertension among North American HIV-infected adults, 2000-2013. *Clin Infect Dis*, 2017 Feb 15;64(4):459-467. doi: 10.1093/cid/ciw804. PMID: In process.
73. Chen W*, Ducharme-Smith K, Davis L, Fung Huic AW, Warady B, Furth SF, **Abraham AG**, Betoko A. Dietary Sources of Energy and Nutrient Intake among Children and Adolescents with CKD *Pediatric Nephrology*. *Pediatr Nephrol*. 2017 Jul;32(7):1233-1241. PMID: PMC5633852
The lead author, Wen Chen, was a doctoral student from China that I arranged to come to the US to work on nutritional data in a pediatric CKD study through an award from the Chinese Scholarship Council, for which I helped her develop a research proposal. I was the senior mentor while Dr Betoko served as the junior mentor.
74. Muzaale AD, Althoff KN, Kucirka LM, **Abraham AG**, Massie AB, Brooks JT, Kitahata MM, Horberg MA, Justice AC, Fischer MJ, Silverberg MJ, Butt AA, Boswell SL, Rachlis AR, Mayor A, Gill MJ, Eron JJ, Napravnik S, Drozd DR, Martin JN, Durand C, Locke JE, Moore RD, Lucas GM, Segev DL. Risk of End Stage Renal Disease in HIV-positive Potential Live Kidney Donors. *Am J Transplant*. 2017; 17(7):1823-1832. PMID: PMC5489376
75. Weber B, Bachmann C, Braun R, **Abraham AG**, Serra AL, Hofbauer GFL. 25-hydroxyvitamin-D3 serum modulation following use of sunbeds compliant with European Union standards: a randomized open observational controlled trial. *J Am Acad Dermatol*. 2017 Jul;77(1):48-54. PMID: In process.
I was given the data from this study and asked to perform the appropriate analysis. Thus, I designed and implemented the analysis, producing all of the graphs and tables and provided text for the methods and results sections of the manuscript.
76. Armstrong NM*, Surkan PJ, Treisman GJ, Sacktor NC, Irwin MR, Teplin LA, Stall R, Martin EM, Becker JT, Munro C, Levine AJ, Jacobson LP, and **Abraham AG**. Association of Long-term Patterns of Depressive Symptoms and Attention/Executive Function among Older Men with and without Human Immunodeficiency Virus. *J Neurovirol*. 2017 Aug;23(4):558-567. PMID: PMC5623096
77. Gonsalves GS, Paltiel AD, Cleary PD, Gill MJ, Kitahata MM, Rebeiro PF, Silverberg MJ, Horberg M, **Abraham AG**, Althoff KN, Moore R, Bosch RJ, Hal HI, Kaplan EH. A Flow-Based Model of the HIV Care Continuum in the United States. *J Acquir Immune Defic Syndr*. 2017 Aug 15;75(5):548-553. PMID: PMC5533168
78. Kelso-Chichetto NE, Plankey M, Sheps DS, **Abraham AG**, Chen X, Kaplan R, Post W, Cook RL. Association between alcohol consumption trajectories and clinical profiles among men and women living with HIV. *Am J Drug Alcohol Abuse*. 2018;44(1):85-94. PMID: PMC5732900
79. Kelso-Chichetto NE, Okafor CN, Cook RL, **Abraham AG**, Bolan R, Plankey M. Association between depressive symptom patterns and clinical profiles among persons living with HIV. *AIDS Behav*. 2017 Jun 7. doi: 10.1007/s10461-017-1822-6. [Epub ahead of print]. PMID: PMC5720934
80. Liu CM, Prodder JD, Tobian AAR, **Abraham AG**, Kigozi G, Hungate BA, Aziz M, Nalugoda F, Sariya S, Serwadda D, Kaul R, Gray RH, Price LB. Penile anaerobic dysbiosis as a risk factor for HIV infection. *mBio* 2017 Jul 25;8(4). pii: e00996-17. doi: 10.1128/mBio.00996-17. PMID: PMC5527312
81. Girardat-Rotar L*, Braun J, Puhan MA, **Abraham AG**, Serra A. Temporal and geographical external validation study and extension of the Mayo Clinic Prediction Model to predict eGFR in the younger population of Swiss ADPKD Patients. *BMC Nephrol*. 2017 Jul 17;18(1):241. doi: 10.1186/s12882-017-0654-y. PMID: PMC5513403
82. Tin A*, Zhang L, Estrella MM, Hoofnagle A, Rebholz CM, Brown TT, Palella Jr. FJ, Witt MD, Jacobson LP,

- Kingsley LA, **Abraham AG**. Vitamin D Status and Kidney Function Decline in HIV-infected Men: A Longitudinal Study in the Multicenter AIDS Cohort Study (MACS). *AIDS Res Hum Retroviruses*. 2017 Nov;33(11):1140-1148. PMID: PMC5665498
83. Kelso-Chichetto NE, Plankey M, Sheps DS, **Abraham AG**, Chen X, Shoptaw S, Kaplan R, Post W, Cook R. The impact of long-term moderate and heavy alcohol consumption on incident atherosclerosis among persons living with HIV Drug and Alcohol Dependence. *Drug Alcohol Depend*. 2017 Dec 1;181:235-241. PMID: PMC5789452
84. Lee MJ*, **Abraham AG**, Swenor BK, Sharrett AR, Ramulu PY. Application of OCT in the Detection and Classification of Cognitive Decline. *J Curr Glaucoma Pract*. 2018 Jan-Apr; 12(1): 10–18. PMID: PMC5981088
85. **Abraham AG**, Girardat-Rotar L, Ziegler S, Blum M, Galletti F, Puhan MA, Serra AL. A Patient Clinical Reporting Tool: Giving ADPKD Patients Back Their Data. *Praxis* 2018; 107(8): 1–10.
86. Lesko CR, Jacobson LP, Althoff KA, **Abraham AG**, Gange SJ, Moore RD, Modura S, Lau B. Collaborative, Pooled, and Harmonized Study Designs for Epidemiologic Research: Challenges and Opportunities. *Int J Epidemiol*. 2018 Apr 1;47(2):654-668. doi: 10.1093/ije/dyx283. PMID: PMC5913631
87. Armstrong NM*, Surkan PJ, Treisman GJ, Sacktor NC, Irwin MR, Teplin LA, Stall R, Martin EM, Becker JT, Munro C, Levine AJ, Jacobson LP, **Abraham AG**. Optimal metrics for identifying long term patterns of depression in older HIV-infected and HIV-uninfected men who have sex with men. *Aging Ment Health*. 2018 Feb 9:1-8. doi: 10.1080/13607863.2017.1423037. PMID: PMC6085148
88. Furth SL, Pierce C, Hui WF, MD4, White CA, Wong CS, Schaefer F, Wuehl E, Warady BA, **Abraham AG**. Estimating time to End Stage Renal Disease in children with CKD. *AJKD*. 2018 Jun;71(6):783-792. doi: 10.1053/j.ajkd.2017.12.011. PMID: PMC5970998 (online calculator available at <https://form.jotform.com/81565256783164>)
89. Anagnostopoulos A, **Abraham AG**, Genberg BL, Kirk GD, Mehta SH. Prescription drug use and misuse in a cohort of people who inject drugs (PWID) in Baltimore. *Addictive Behaviors*. 2018 Jun;81:39-45. doi: 10.1016/j.addbeh.2018.01.024. PMID: PMC5845821
90. **Abraham AG**, Zhang L, Calkins K, Tin A, Hoofnagle A, Palella FJ, Estrella MM, Jacobson LP, 1 Mallory D, Witt MD, Kingsley LA, Brown TT. Vitamin D status and immune function reconstitution in HIV-infected men initiating therapy in the Multicenter AIDS Cohort Study. *AIDS*. 2018 May 15;32(8):1069-1076. doi: 10.1097/QAD.0000000000001782. PMID: PMC5920746
91. Giles ML, Achhra AC, **Abraham AG**, Haas AD, Gill MJ, Po LM, Luque M, McGowan C, Cornell M, Braitstein P, de Rekeneire N, Becquet R, Wools-Kaloustian K, Law M. Sex-based differences in antiretroviral therapy initiation, switching and treatment interruptions: global overview from the International Epidemiologic Databases to Evaluate AIDS (IeDEA). *JIAS* 2018 Jun;21(6):e25149. doi: 10.1002/jia2.25149. PMID: PMC6024257
92. **Abraham AG**, Shafi T, Tighiouart H, Moseley KF, Post WS, Inker LA, Coresh J, Shlipak MG, Levey AS. Effects of Body Size and Composition on Sex Differences in Measured GFR in a US Community-Based Older Cohort (MESA-Kidney). *Am J Kidney Dis*. 2018 Nov;72(5):767-770. PMID: In Process.
93. Wang R*, Haberlen SA, Palella FJ, Mugavero MJ, Margolick JB, Macatangay BJ, Martínez-Maza O, Jacobson LP, **Abraham AG**. Viremia copy-years and mortality among cART-initiating HIV-positive individuals: how much viral load history is enough? *AIDS*. 2018 Nov 13; 32(17): 2547–2556. PMID: PMC6535334
94. Irwin MR, Archer G, Olmstead R, Brown TT, Teplin LA, Patel SR, **Abraham AG**, Breen EC. Increased risk of depression in nondepressed HIV infected men with sleep disturbance: Prospective findings from the Multicenter AIDS Cohort Study. *EBioMedicine* 2018 Oct;36:454-460. doi: 10.1016/j.ebiom.2018.09.028. PMID: PMC6197498
95. Zhang L*, Brown TT, Margolick JB, Witt MD, Palella Jr. FJ, Kingsley LA, Hoofnagle AN, Jacobson LP, Tin A, **Abraham AG**. Vitamin D Metabolites in Aging HIV-Infected Men: Does Inflammation Play a Role? *AIDS Res Hum Retroviruses*. 2018 Oct 30. doi: 10.1089/AID.2018.0101. PMID: PMC6306657
96. Lee MJ*, Deal JA, Sharrett AR, Ramulu PY, **Abraham AG**. Prevalence of Retinal Signs and Association with Cognitive Status: The ARIC Neurocognitive Study. *J Am Geriatr Soc*. 2019 Jun;67(6):1197-1203. PMID: PMC6698148
97. Zafar S, McCormick J, Giancardo L, Saidha S, **Abraham A**, Channa R. Retinal Imaging for Neurological Diseases: "A Window into the Brain". *Int Ophthalmol Clin*. 2019 59(1):137-154. PMID: In Process.
98. Chu DI, **Abraham AG**, Tasian GE, Denburg MR, Ross ME, Zderic SA, Furth SL Urologic Care and Progression to End-Stage Kidney Disease: A Chronic Kidney Disease in Children (CKiD) Nested Case-Control Study. *Journal of Pediatric Urology*. 2019 May;15(3):266.e1-266.e7. PMID: PMC6588473
99. Kelso-Chichetto NE, Plankey MW, **Abraham AG**, Sheps DS, Whitehead NE, Chen X, Weber KM, Shoptaw S, Kaplan RC, Post WS, Cook RL. The impact of past and current alcohol consumption patterns on progression of carotid intima media thickness among women and men living with HIV-infection. *Alcohol Clin Exp Res*. 2019 Apr;43(4):695-703. PMID: PMC6443465
100. Lu H*, Surkan PJ, Irwin MR, Treisman GJ, Breen EC, Sacktor NC, Stall R, Wolinsky S, Jacobson LP, **Abraham**

- AG.** Inflammation and Risk of Depression in HIV: Prospective Findings from the Multicenter AIDS Cohort Study, *Am J Epidemiol.* 2019 Nov 1;188(11):1994-2003. PMID: PMC6825834
101. Liu CM, Packman ZR, **Abraham AG**, Serwadda DM, Nalugoda F, Aziz M, Prodder JL, Kaul R, Kalibbala S, Gray RH, Price LB, Quinn TC, Tobian AAR, Reynolds SJ. The effect of antiretroviral therapy initiation on the vaginal microbiome in HIV-infected women. *Open Forum Infectious Diseases*, Volume 6, Issue 9, September 2019, ofz328.
102. White JL, Patel EU, **Abraham AG**, Grabowski MK, Arav-Boger R, Avery AK, Quinn TC, Tobian AAR. Prevalence, Magnitude and Genotype Distribution of Urinary Cytomegalovirus (CMV) Shedding Among CMV-Seropositive Children and Adolescents in the United States. *Open Forum Infect Dis.* 2019 Jul; 6(7): ofz272. PMID: PMC6602884
103. DeLong K, Bensouda S, Zulfiqar F, Zierden HC, Hoang TM, **Abraham AG**, Coleman JS, Cone RA, Gravitt PE, Hendrix CW, Fuchs EJ, Gaydos CA, Weld ED, Ensign LM. Conceptual Design of a Universal Donor Screening Approach for Vaginal Microbiota Transplant. *Front Cell Infect Microbiol.* 2019; 9: 306. PMID: PMC6722226
104. Genberg BL, Astemborski J, Treisman G, Anagnostopoulos A, Mehta SH, Kirk GD, **Abraham A**. Engagement in treatment for depression among people who inject drugs in Baltimore, Maryland. *J Subst Abuse Treat.* 2019 Nov;106:107-112. PMID: PMC6800030
105. Kim SJ, Reed N, Betz JF, **Abraham A**, Lee MJ, Sharrett AR, Lin FR, Deal JA. Retinal Signs and Age-Related Hearing Loss in the Atherosclerosis Risk in Communities Neurocognitive Study (ARIC-NCS). *JAMA Otolaryngol Head Neck Surg.* 2020;146(2):152-159. PMID: PMC6990841
106. Weidemann DK, **Abraham AG**, Roem JL, Furth SL, Warady BA. Plasma Soluble Urokinase Plasminogen Activator Receptor (suPAR) and CKD Progression in Children. *Am J Kidney Dis.* 2020 Aug;76(2):194-202. PMID: PMC7374047
107. Surkan PJ, Wang R, Huang Y, Stall R, Plankey M, Teplin LA, Wight RG, Jacobson LP, **Abraham AG**. Victimization in Early Adolescence, Stress, and Depressive Symptoms Among Aging Sexual Minority Men: Findings from the Multicenter AIDS Cohort Study. *LGBT Health.* April 2020; 7(3): 155–165. PMID: PMC7175621
108. Greenberg JH, **Abraham A**, Xu Y, Schelling J, Feldman HI, Sabbiseti VS, Cardenas-Gonzalez M, Coca S, Schrauben SJ, Waikar SS, Vasani RS, Shlipak MG, Warady B, Kimmel PL, Bonventre JV, Denburg M, Parikh CR, Furth S. Plasma Biomarkers of Tubular Injury and Inflammation are Associated with Chronic Kidney Disease Progression in Children. *J Am Soc Nephrol.* 2020 May;31(5):1067-1077. PMID: PMC7217410
109. Kigozi G, Liu CM, Park D, Packman ZR, Gray RH, Kaul R, Tobian AAR, **Abraham AG**, Ssekasanvu J, Kagaayi J, Prodder JL. Foreskin surface area is not associated with sub-preputial microbiome composition or penile cytokines. *PLoS One.* 2020 Jun 23;15(6):e0234256. 2020. PMID: PMC7310704
110. **Abraham A**, Gille D, Puhon MA, ter Riet G, von Wyl V, for the International Consortium on Teaching Epidemiology, Defining Core Competencies for Epidemiologists in Academic Settings to Tackle Tomorrow's Health Research Challenges: A Structured, Multi-National Effort: International Consortium on Teaching Epidemiology, *Am J Epidemiol.* 2021 Feb 1;190(3):343-352. PMID: PMC7935742
111. **Abraham AG**, Ervin A, Swenor B, Ramulu P, Channa R, Kong X, Stosor V, Friedman MR, Detels R, Plankey M. Prevalence and Consequences of Perceived Vision Difficulty in Aging Adults with HIV-infection. *American Journal of Ophthalmology.* 2020 July, 218:268-278. DOI: 10.1016/j.ajo.2020.06.018 PMID: 32621897 PMID: In Process.
112. Petersen MR, Patel EU*, **Abraham AG**, Quinn TC, Tobian AAR. Changes in Cytomegalovirus Seroprevalence Among U.S. Children Aged 1 to 5 Years: The National Health and Nutrition Examination Surveys. *Clin Infect Dis.* 2021 May 4;72(9):e408-e411. PMID: PMC8248283
113. Barrett B*, **Abraham AG**, Dean LT, Plankey MW, Friedman MR, Jacobson LP, Teplin LA, Gorbach PM, Surkan PJ. Social inequalities contribute to racial/ethnic disparities in depressive symptomology among men who have sex with men. *Soc Psychiatry Psychiatr Epidemiol.* 2021 Feb;56(2):259-272. PMID: PMC7870462
114. Bonny TS, Patel EU, Zhu X, Bloch EM, Grabowski MK, **Abraham AG**, Littlefield K, Shrestha R, Benner SE, Laeyendecker O, Shoham S, Sullivan D, Quinn TC, Casadevall A, Pekosz A, Redd AD, Tobian AAR. Cytokine and Chemokine Levels in COVID-19 Convalescent Plasma. *Open Forum Infect Dis.* 2020 Nov 26;8(2):ofaa574. PMID: PMC7717355
115. Inker LA, Couture SJ, Tighiouart H, **Abraham AG**, Gerald J, Feldman HI, Greene T, Gudnason V, et al. A New Panel eGFR, including Beta-2 Microglobulin and Beta Trace Protein and not including Race, Developed in a Diverse Population. *Am J Kidney Dis.* 2021 May;77(5):673-683.e1. PMID: PMC8102017
116. D'Souza G, Lorie Benning L, Stosor V, Witt MD, Johnson J, **Abraham AG**. The shifting picture of HIV treatment, comorbidity, and substance use among U.S. MSM living with HIV. *HIV Med.* 2021 Aug;22(7):538-546. PMID: PMC8295172
117. Deal JA, Gross AL, Sharrett AR, **Abraham AG**, Coresh J, Carlson M, Griswold M, Mosley T, Power MC, Ramulu R, Reed NS, Lin FR, Swenor BK. Hearing Impairment and Missing Cognitive Test Scores in a

- Population-Based Study of Older Adults: The Atherosclerosis Risk in Communities Neurocognitive Study. *Alzheimers Dement*. October 2021, 17(10):1725-1734. PMID: In Process.
118. Nichols E, Deal JA, Swenor BK, **Abraham AG**, Armstrong NM, Carlson MC, Griswold M, Lin FR, Mosley TH, Ramulu PY, Reed NS, Resnick SM, Sharrett AR, Gross AL. Assessing bias in cognitive testing for older adults with sensory impairment: an analysis of differential item functioning in the Baltimore Longitudinal Study on Aging (BLSA) and the Atherosclerosis Risk in Communities Neurocognitive Study (ARIC-NCS). *J Int Neuropsychol Soc*. 2021 Apr 26;1-12. PMID: PMC8546003
119. Prodder JL, **Abraham AG**, Tobian AA, Park DE, Aziz M, Roach K, Gray RH, Buchanan L, Kigozi G, Galiwango RM, Ssekasanvu J, Nnamutete J, Kagaayi J, Kaul R, Liu CM. Penile bacteria associated with HIV seroconversion, inflammation, and immune cells. *JCI Insight*. 2021 Apr 22;6(8). PMID: PMC8119186
120. Innes GK*, Nachman KE, **Abraham AG**, Casey JA, Patton AN, Price LB, Tartof SY, Davis MF. Contamination of retail meat samples with multidrug-resistant organisms in relation to organic and conventional production and processing: A cross-sectional analysis of data from the United States National Antimicrobial Resistance Monitoring System, 2012-2017. *Environ Health Perspect*. 2021 May;129(5):57004. PMID: PMC8114881
121. Slama L, Barrett BW, **Abraham AG**, Palella FJ, Kingsley L, Viard JP, Lake JE and Brown TT for the Multicenter AIDS Cohort Study (MACS). Risk for Incident Diabetes is Greater in Pre-Diabetic Men with HIV than Without HIV. *AIDS*. 2021 Aug 1;35(10):1605-1614. PMID: In Process
122. **Abraham AG**, Xu Y, Roem JL, Greenberg JH, Weidemann DK, Sabbisetti VS, Bonventre JV, Denburg M, Warady BA, Furth SL for the CKD Biomarkers Consortium. Variability in CKD Biomarker Studies: suPAR and Kidney Disease Progression in the Chronic Kidney Disease in Children (CKiD) study. *Kidney Med*. 2021 Jun 17;3(5):712-721.e1. PMID: PMC8515077
123. **Abraham AG**, Guo X, Arsiwala LT, Dong Y, Sharrett AR, Huang D, You Q, Liu L, Lujan BJ, Tomlinson A, Mosley T, Coresh J, Jia Y, Mihailovic A, Ramulu PY. Cognitive decline in older adults: What can we learn from optical coherence tomography (OCT)-based retinal vascular imaging? *J Am Geriatr Soc*. 2021 Sep;69(9):2524-2535. doi: 10.1111/jgs.17272. Epub 2021 May 19; PMID: PMC8440348. *Featured in JAMA Ophthalmology author podcasts* <https://edub.ama-assn.org/jn-learning/audio-player/18709202>
124. Denburg MR, Xu Y, **Abraham AG**, Coresh J, Chen J, Grams M, Feldman HI, Kimmel PL, Rebholz C, Rhee EP, Vasani RS, Warady BA, Furth SL, for the CKD Biomarkers Consortium. Metabolite Biomarkers of Chronic Kidney Disease Progression in Children. *Clin J Am Soc Nephrol*. 2021 Aug;16(8):1178-1189. PMID: 34362785; PMID: PMC8455058.
125. Greenberg JH, **Abraham AG**, Xu Y, Schelling J, Feldman HI, Sabbisetti VS, Cardenas-Gonzalez M, Coca S, Warady B, Kimmel P, Bonventre JV, Denburg M, Parikh CR, Furth S. Urine Biomarkers of Kidney Tubular Health, Injury, and Inflammation are Associated with Chronic Kidney Disease Progression in Children. *J Am Soc Nephrol*. 2021 Oct;32(10):2664-2677. PMID: PMC8722795
126. Outwater AH, **Abraham AG**, Iseselo MK, Sekei LH, Kazaura MR, Killewo J. Entrepreneurship, beekeeping and health training to decrease community violence in Dar es Salaam, Tanzania: a pilot study for an intervention trial Pilot Feasibility Stud. 2021 Oct 4;7(1):183. doi: 10.1186/s40814-021-00920-1; PMID: PMC8489054.
127. McCann P, **Abraham AG**, Gregory DG, Hauswirth S, Infantides C, Liu S-H, Saldanha IJ, Li T. Prevalence and incidence of dry eye in the USA: a systematic review protocol. *BMJ Open*. 2021 Nov 23;11(11):e056203. doi: 10.1136/bmjopen-2021-056203; PMID: PMC8611449.
128. **Abraham AG**, Sun J, Sharma A, Yin MT, Brown JK, Demehri S, Garza J, Shah JG, Palella FJ, Kingsley L, Jamieson BD, Althoff KN, Brown TT. The combined effects of age and HIV on the anatomic distribution of cortical and cancellous bone in the femoral neck among men and women. *AIDS*. 2021 Dec 1;35(15):2513-2522. PMID: PMC8649032
129. Schmitz BW, Innes GK, Prasek SM, Betancourt WQ, Stark ER, Foster AR, **Abraham AG**, Gerba CP, Pepper IL. Enumerating asymptomatic COVID-19 cases and estimating SARS-CoV-2 fecal shedding rates via wastewater-based epidemiology. *Sci Total Environ*. 2021 Dec 20;801:149794. PMID: PMC8378060
130. Guo X*, Arsiwala LT*, Dong Y*, Mihailovic A, Ramulu PY, Sharrett AR, Mosley T, **Abraham AG**; Visual Function, Physical Function, and Activities of Daily Living in Two Aging Communities. *Transl Vis Sci Technol*. 2021 Dec 1;10(14):15. doi: 10.1167/tvst.10.14.15; PMID: PMC8684303.
131. Innes GK*, Bhondoeckhan F*, Lau B, Gross A, Ng D, **Abraham AG**. The Measurement Error Elephant in the Room: challenges and solutions to measurement error in epidemiology. *Epidemiol Rev*. 2022 Jan 14;43(1):94-105. doi: 10.1093/epirev/mxab011. PMID: PMC9005058
132. Sun J, Zheng Q, Madhira V, Olex AL, Anzalone AJ, Vinson A, Singh JA, French E, **Abraham AG**, Mathew J, Safdar N, Agarwal G; Fitzgerald KC, Singh N, Topaloglu U, Chute CG, Mannon RB, Kirk GD, Patel RC, for the National COVID Cohort Collaborative (N3C) Consortium. Association Between Immune Dysfunction and COVID-19 Breakthrough Infection After SARS-CoV-2 Vaccination in the US. *JAMA Intern Med*. 2022 Feb 1;182(2):153-162. doi: 10.1001/jamainternmed.2021.7024; PMID: PMC8715386.
133. Nichols E, Deal JA, Swenor BK, **Abraham AG**, Armstrong NM, Bandeen-Roche K, Carlson MC, Griswold M, Lin FR, Mosley TH, Ramulu PY, Reed NS, Sharrett AR, Gross AL. The effect of missing data and imputation on

- the detection of bias in cognitive testing using differential item functioning methods. *BMC Med Res Methodol*. 2022 Mar 27;22(1):81. doi: 10.1186/s12874-022-01572-2; PMID: PMC8961895.
134. Masters MC, Yang J, Lake JE, **Abraham AG**, Kingsley L, Brown TT, Palella FJ, Erlandson KM. Diabetes mellitus is associated with declines in physical function among men with and without HIV. *AIDS*. 2022 Apr 1;36(5):637-646. doi: 10.1097/QAD.0000000000003160; PMID: PMC8957604.
 135. Pena Dias J, Piggott DA, Sun J, Wehbeh L, Garza J, **Abraham AG**, Astemborski J, Moseley KF, Basaria S, Varadhan R, Brown TT. SHBG, bone mineral density and physical function among injection drug users with and without HIV and HCV. *J Clin Endocrinol Metab*. 2022 Jun 16;107(7):e2971-e2981. doi: 10.1210/clinem/dgac144; PMID: PMC9202730.
 136. Muiru AN, Madden E, Scherzer R, Horberg MA, Silverberg MJ, Klein MB, Mayor AM, Gill MJ, Napravnik S, Crane HM, Marconi VC, Koethe JR, **Abraham AG**, Althoff KN, Lucas GM, Moore RD, Shlipak MG, Estrella MM. Effect of adopting the new race-free 2021 CKD-EPI eGFR creatinine equation on racial differences in kidney disease progression among people with HIV; an observational study. *Clin Infect Dis*. 2022 Sep 7:ciac731. doi: 10.1093/cid/ciac731. Epub ahead of print. PMID: 36069064. PMID: In Process.
 137. Armstrong NM, Wang H, E J-Y, Lin FR, **Abraham AG**, Ramulu P, Resnick SM, Tian Q, Simonsick E, Gross AL, Schrack J, Ferrucci L, & Agrawal Y. Patterns of prevalence of multiple sensory impairments among community-dwelling older adults. *J Gerontol A Biol Sci Med Sci*. 2022 Oct 6;77(10):2123-2132. doi: 10.1093/gerona/glab294; PMID: PMC9536434.
 138. Liu S-H, Gregory D, Hauswirth S, Infantides C, **Abraham AG**, Saldanha IJ, Li T. Topical corticosteroids for dry eye. *Cochrane Database Syst Rev*. 2022 Oct 21;10(10):CD015070. doi: 10.1002/14651858.CD015070.pub2; PMID: PMC9586197.
 139. Arsiwala LT*, Guo X, Ramulu PY, Sharrett AR, Mihailovic A, Swenor BK, Mosley T, Dong Y, **Abraham AG**. Associations of Visual Function with Cognitive Performance in Community-Based Older Adults: The Eye Determinants of Cognition (EyeDOC) Study. *J Gerontol A Biol Sci Med Sci*. 2022 Oct 6;77(10):2133-2140. doi: 10.1093/gerona/glab349; PMID: PMC9536449.
 140. Dong Y*, Guo X, Arsiwala-Schepach LT, Sharrett AR, Ramulu PY, Mihailovic A, Pah-Doh N, Mosley T, Coresh J, **Abraham AG**. Association of Optical Coherence Tomography and Optical Coherence Tomography Angiography Retinal Features with Visual Function in Older Adults. *JAMA Ophthalmol*. 2022 Aug 1;140(8):809-817. doi: 10.1001/jamaophthalmol.2022.2099; PMID: PMC9284407.
 141. Arsiwala-Schepach LT*, Ramulu PY, Sharrett AR, Kamath V, Deal JA, Guo X, Du S, Garcia Morales EE, Mihailovic A, **Abraham AG**. Associations among Visual, Auditory, and Olfactory Functions in Community-Based Older Adults: The Atherosclerosis Risk in Communities (ARIC) Study. *Transl Vis Sci Technol*. 2022 Nov 1;11(11):2. doi: 10.1167/tvst.11.11.2; PMID: PMC9639698.
 142. Jefferson C, Watson E, Certa JM, Gordon KS, Park LS, D'Souza G, Benning L, **Abraham AG**, Agil D, Napravnik S, Silverberg MJ, Leyden WA, Skarbinski J, Williams C, Althoff KN, Horberg MA; NA-ACCORD Corona-Infectious-Virus Epidemiology Team (CIVET). Differences in COVID-19 testing and adverse outcomes by race, ethnicity, sex, and health system setting in a large diverse US cohort. *PLoS One*. 2022 Nov 23;17(11):e0276742. doi: 10.1371/journal.pone.0276742; PMID: PMC9683575.
 143. McCann P*, **Abraham AG**, Mukhopadhyay A, Panagiotopoulou K, Chen H, Rittiphairoj T, Gregory DG, Hauswirth SG, Infantides C, Qureshi R, Liu SH, Saldanha IJ, Li T. Prevalence and incidence of dry eye and meibomian gland dysfunction in the United States: a systematic review and meta-analysis. *JAMA Ophthalmol*. 2022 Dec 1;140(12):1181-1192. doi: 10.1001/jamaophthalmol.2022.4394; PMID: PMC9614673. *Featured in JAMA Ophthalmology author podcasts: <https://edhub.ama-assn.org/jn-learning/audio-player/18733002>*
 144. **Abraham AG**, Hong C, Deal JA, Bettcher BM, Pelak VS, Gross A, Jiang K, Swenor B, Wittich W. Are cognitive researchers ignoring their senses? The problem of sensory deficit in cognitive aging research. *Journal of the American Geriatrics Society (JAGS)*. Dec 2022 <https://doi.org/10.1111/jgs.18229> [In press]
 145. Pan-Doh N, Guo X, Arsiwala-Schepach LT, Walker KA, Sharrett AR, **Abraham AG**, Ramulu PY. Associations of midlife and late-life blood pressure status with late-life retinal OCT measures. *TVST* 2022[accepted]
 146. Priluck A, Ramulu P, Dosto N, Quigley H, **Abraham A**. Validation of 16S rRNA Gene Sequencing of the Periocular Microbiome and Lack of Alteration by Topical Eyedrops. *Transl Vis Sci Technol*. 2023 Feb 1;12(2):32. doi: 10.1167/tvst.12.2.32. PMID: PMC9973530
 147. Sandokji I, Xu Y, Denburg M, Furth S, **Abraham A**[^], Greenberg JH[^]. Current and Novel Biomarkers of Progression Risk in Children with Chronic Kidney Disease. *Nephron* 2023 [accepted] [^]*co-senior authors; This was an invited review by the editor of Nephron*
 148. Barrett BW, McGowan K, Landon C, Zhang J, Haberlen S, **Abraham AG**. Cumulative exposure to viremia: Methods for the implementation of standardized variables in longitudinal HIV studies. *MethodsX* 2023, doi: <https://doi.org/10.1016/j.mex.2023.102146>

149. Zhu X, Gebo KA, **Abraham AG**, Habtehyimer F, Patel EU, Laeyendecker O, Gniadek TJ, Fernandez RE, Baker OR, Ram M, Cachay ER, Currier JS, Fukuta Y, Gerber JM, Heath SL, Meisenberg B, Huaman MA, Levine AC, Shenoy A., Anjan S, Blair JE, Cruser D, Forthal DN, Hammitt LL, Kassaye S, Mosnaim GS, Bela Patel B, Paxton JH, Raval JS, Sutcliffe CG, Abinante MD, Broderick P, Cluzet V, Cordisco ME, Greenblatt B, Petrini J, Rausch W, Shade D, Lane K, Gawad AL, Klein SL, Pekosz A, Shoham S, Casadevall A, Bloch EM, Hanley D, Sullivan DJ[^], Tobian ARR[^], on behalf of the CSSC-004 Consortium. Dynamics of inflammatory responses after SARS-CoV-2 infection by vaccination status: a prospective cohort study. *Lancet Microbe* 2023 [https://doi.org/10.1016/S2666-5247\(23\)00171-4](https://doi.org/10.1016/S2666-5247(23)00171-4). *Featured in: CU Anschutz newsroom: [New Research Shines Light on How COVID-19 Vaccination Reduces Severity and Mortality After Breakthrough Infections](#); US News & World Report: [How the COVID Vaccine Is Keeping Folks Out of the Hospital](#)*
150. Fuchita M, Ridgeway KJ, Sandridge B, Kimzey C, **Abraham A**, Melanson EL, Fernandez-Bustamante A. Comparison of postoperative mobilization measurements by activPAL versus Johns Hopkins Highest Level of Mobility scale after major abdominal surgery, *Surgery*, 2023 Aug 12;S0039-6060(23)00441-5. <https://doi.org/10.1016/j.surg.2023.07.014>.
151. Jiang K, Greenberg JH, **Abraham AG**, Xu Y, Schelling J, Feldman HI, Schrauben SJ, Waikar SS, Shlipak MG, Sabbiseti VS, Gutierrez O, Ix JH, Coca S, Jogalekar MP, Warady B, Kimmel P, Bonventre JW, Parikh CR, Mitsnefes M, Denburg M, Furth S on behalf of the CKD Biomarkers Consortium. Associations of Kidney Tubule Biomarkers with Left Ventricular Hypertrophy in Children with CKD. *Kidney360* 2023 [accepted]
152. **Butler J***, Hranac R, Johnston H, Casey M, Basiliere E, **Abraham AG**, Czaja C. Association of Clostridioides difficile infection rates with social determinants of health in Denver area census tracts, 2016-2019. *Preventive Medicine Reports* 2023 [accepted]
153. Lee, AM., Xu, Y., Hooper, SR., **Abraham, AG.**, Hu, J., Xiao, R., Matheson, MB., Brunson, C., Rhee, EP., Coresh, J., Vasani, RS., Schrauben, S., Kimmel, PL., Warady, BA., Furth, SL., Hartung, EA., Denburg, MR. on behalf of the CKD Biomarkers Consortium. Circulating Metabolomic Associations with Neurocognitive Outcomes in Pediatric CKD. *CJASN* 2023 [accepted]
154. Lai M, Madden E, Shlipak MG, Scherzer R, Post W, Vittinghoff E, Haberlin S, Brown T, Wolinsky S, Witt M, Ho K, **Abraham AG**, Parikh C, Estrella MM. Association of Urine Biomarkers of Kidney Health with Subclinical Cardiovascular Disease in a MACS Substudy. *AIDS* 2023 [accepted]
155. Ren X, Chen J, **Abraham AG**, Xu Y, Siewe A, Warady BA, Kimmel PL, Vasani RS, Rhee EP, Furth SL, Coresh J, Denburg M, Rebholz CM, Chronic Kidney Disease Biomarkers Consortium. Plasma metabolomics of dietary intake of protein-rich foods and kidney disease progression in children. *Journal of Renal Nutrition*. [in press]
156. Li, T, McCann, PM, Wilting, S, McNamara S, Gregory DG, Hauswirth SG, Infantides C, Benning L, Sequeira TA, Qureshi R, Liu S, Clark MA, Saldanha IJ, **Abraham AG**. Prolonged facemask wearing among hospital workers and dry eye – a mixed-methods study. *BMC Ophthalmol* 23, 420 (2023). <https://doi.org/10.1186/s12886-023-03153-3>
157. **Innes GK***, Patton AN, Nachman KE, Casey J, Stapleton GS, **Abraham AG**, Price L, Tartof S, Davis M. Distance and destination of retail meat alter multidrug resistant contamination in the United States food system. *Sci Rep* 13, 21024 (2023). <https://doi.org/10.1038/s41598-023-48197-z>
158. Saldanha IJ, Petris R, Infantides C, Hauswirth SG, Gregory DG, Qureshi R, McCann P, Liu S-H, **Abraham AG**, Li T. Patient barriers and facilitators for making environmental and behavioral modifications for dry eye in the United States. *Optometry and Vision Science*. 2023 (In press)
159. Chen H, McCann P, Lien T, Xiao M, **Abraham AG**, Gregory DG, Hauswirth SG, Qureshi R, Liu SH, Saldanha IJ, Li T. Prevalence of dry eye and Meibomian gland dysfunction in Central and South America: a systematic review and meta-analysis. *BMC Ophthalmology*. 2023 (In press)
160. Sun, J., Zheng, Q., Anzalone, A.J., **Abraham, A.G.**, Olex, A.L., Zhang, Y., Mathew, J., Safdar, N., Haendel, M.A., Segev, D., Islam, J.Y., Singh, J.A., Mannon, R.B., Chute, C.G., Patel, R.C., Kirk, G.D., Effectiveness of mRNA Booster Vaccine against COVID-19 Infection and Severe Outcomes among Persons with and without Immune Dysfunction: A Retrospective Cohort Study of National Electronic Medical Record Data in the United States. *Open Forum Infectious Diseases*, 2024. (In press)

*students, postdocs or staff under my mentorship

Note: Name change from Gump A to Abraham AG in 2005

Peer Reviewed – Letters to the Editor

1. **Abraham AG**, Strickler H, D'Souza G. Invasive cervical cancer is a function of CD4+ count and screening. *J Acquired Immune Defic Syndr*. 2013 Aug;63(5):e163
2. Furth SL, **Abraham AG**, Warady BA. In Reply to "The Use of Estimated GFR-Based Staging in Children with CKD: Proceed With Care". *Am J Kidney Dis*. 2018 Sep;72(3):464. 2018 Jul 23. PMID: 30049547

- Ng DK, **Abraham AG**, Gross AL, Hooper AR. Bayesian Methods for Exposure Misclassification Adjustment in a Mediation Analysis. *Epidemiology*. 2020 May 20. doi: 10.1097/EDE.0000000000001213.

Book Chapters

- Muñoz A, **Abraham AG**, Matheson M, Wada N. (2013) Non-proportionality of Hazards in the Competing Risks Framework. In Ting Lee M, Gail M, Pfeiffer R, Satten G, Cai T, Gandy A (Eds.), *Risk Assessment and Evaluation of Predictions* (First Edition). New York, New York: Springer Science+Business Media, LLC.
- Abraham A.** (2022) How the Pandemic Set Women Back Decades. In *Emergency! Quarantine, Evacuation and Back Again*. Toronto, Ontario, CA: Passamaquoddy Press

Non Peer Reviewed Publications

- Abraham AG**, Hlaing WM. Train for the Jobs Students Actually Get: Insights from the 2020 ACE Roundtable Discussion. American College of Epidemiology Online Member Newsletter. December 2020.

Scientific Meeting Presentations

Oral/Podium Presentations

- D'Souza G, Jing Y, Strickler H, Silverberg M, Engels E, Bosch R, Brooks JT, Dubrow R, Eron J, Gebo K, Gill MJ, Hogg R, Kitahata M, Klein M, Moore R, Rourke S, **Abraham AG**. Cervical cancer epidemiology among HIV-infected women in North America. Oral presentation for the 12th International Conference on Malignancies in AIDS and Other Acquired Immunodeficiencies. Bethesda, MD. April 2010.
- D'Souza G, Jing Y, Strickler H, Silverberg M, Bosch R, Brooks JT, Engels E, Dubrow R, Hogg R, **Abraham AG**. Cervical cancer epidemiology among HIV-infected women in North America. Oral presentation for the International Papillomavirus Conference. Montreal, Canada. July 2010.
- Abraham AG**, Gange S, Jing Y, Bosch R, Brooks JT, Dubrow R, Eron J, Gebo K, Gill MJ, Hessel N, Hogg R, Kitahata M, Klein M, Moore R, Rourke S, Silverberg M, D'Souza G for the North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD). Cervical cancer diagnosis and CD4+ Count trajectory in HIV-infected women in north america. Oral presentation for the XVIII International AIDS Society Meeting, Vienna, Austria, July 18-23, 2010
- Muñoz A, **Abraham A**, Matheson M. Non-proportionality of Sub-hazards in the Competing Events Framework. Oral presentation for the Conference on Risk Assessment and Evaluation of Predictions, Silver Spring, MD, October 12-14, 2011
- Fathallah-Shaykh SA, Pierce CB, Blydt-Hansen TD, **Abraham AG**, Massengill SF, Warady BA, Furth SL, Wong CS. Proteinuria Predicts a Decline in Glomerular Filtration Rate Particularly in African-Americans and Glomerular Chronic Kidney Disease. Oral presentation for the American Society of Nephrology, Philadelphia, PA, November 10 - November 13, 2011.
- Abraham AG**, Ying J, Beachler D, Silverberg M, Gill MJ, Dubrow R, Kitahata M, Klein M, Moore RD, and D'Souza G for the North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD) of the IeDEA. Incidence and Risk Factors for Oral Cancer Among HIV-Infected Individuals in North America. Oral presentation for the 19th Conference on Retroviruses and Opportunistic Infections, Seattle, March 5-8, 2012.
- D'Souza G, Strickler H, Jing Y, Sterling T, Silverberg M, Samji H, Napravnik S, Moore R, Mathews WC, Klein M, Kitahata M, Kirk G, Gill J, Dubrow R, Burchell A, Brooks JT, Beachler DC and **Abraham A** on behalf of the North American AIDS Cohort on Collaboration and Design NA-ACCORD. Incidence and Risk Factors for Head and Neck Cancer and Cervical Cancer Among Hiv-Infected Individuals in North America. Oral presentation for Eurogin Conference, Prague, Czech Republic, July 8-11, 2012.
- Atkinson MA, Pierce CB, Fadrowski JJ, Benador NM, White CT, Turman MA, Pan CG, **Abraham AG**, Warady BA, and Furth SL. Association between common iron store markers and hemoglobin in children with chronic kidney disease. Oral presentation for the Pediatric Academic Societies'/American Association of Pediatric Nephrology annual meeting, Washington DC, May 6th, 2013
- Althoff KN, Rebeiro P, Hanna D, Hogg R, Brooks JT, **Abraham A**, Horberg M, Buchacz K, Gill MJ, Mayor A, Burchell A, Rachlis A, Thorne J, Sterling T, Silverberg M, Klein M, Williams C for the North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD). Measures on a Map: A geographical display of HIV infection and care indicators. Oral Presentation for the International Workshop on HIV Observational Databases. Cavtat, Croatia, April 11-13, 2013
- Kumar J, Friedman LA, **Abraham A**, Johnson VL, Kaskel FJ, Warady BA, Furth SL, Melamed ML, Portale AA. Prevalence and Determinants of 25-Hydroxyvitamin D Deficiency in the Chronic Kidney Disease in Children (CKiD) Cohort. Oral presentation for the Pediatric Academic Societies, District of Columbia, May 4-7, 2013
- Armstrong N*, Surkan PJ, Gross AL, Treisman GJ, Sacktor NC, Irwin M, Wolinsky S, Stall R, Jacobson LP, **Abraham AG**. Longitudinal association between depressive phenotype and cognitive impairment in men with and without HIV. Oral Presentation for the 6th International Workshop on HIV & Aging. Washington, DC, USA, October 5-6, 2015
- Abraham AG**, Wang R, Haberlen S, Wada N, Palella FJ, Margolick JB, Macatangay B, Martínez-Maza O, Jacobson LP. The tricky business of mediation analysis: can we assess whether inflammation mediates the

- relationship between viremia exposure and mortality? Oral presentation for the International Workshop on HIV and HCV Observational Databases, Lisbon, Portugal, March 2017.
13. Slama L, Barrett B, **Abraham A**, Palella Jr FJ, Kingsley L, Viard JP, Lake JE, Brown TT. Risk for Incident Diabetes is Greater in Pre-Diabetic Men with HIV than Without HIV: The Multicenter AIDS Cohort Study. Oral presentation for the 21st International Workshop on Adverse Drug Reactions and Co-Morbidities in HIV. Basel, Switzerland. November 5-6, 2019
 14. Masters MC, Kristine E, Brown T, Yang J, **Abraham A**, Kingsley L, Lake J. Impact of testosterone use on grip strength in men aging with HIV. Oral Presentation for the 10th International Workshop on HIV & Aging, New York City, NY, 10-11 October 2019
 15. Greenberg J, Xu Y, **Abraham AG**, Schelling J, Feldman HI, Sabbisetti VS, Warady B, Bonventre JV, Denburg M, Parikh CR, Furth S on behalf of the CKD Biomarker Consortium. Biomarker Panels for Discriminating Risk of CKD Progression in Children. American Society of Nephrology (ASN). Virtual format. October 2020
 16. Breger TL, Edwards JK, Cole SR, Westreich D, Pence BW, Friedman MR, **Abraham AG**, Chew KW, Adimora AA. All-cause mortality under modeled interventions on substance use among HIV-positive women in the United States, 1998 – 2017. Society for Epidemiologic Research Virtual Meeting. December 16-18, 2020
 17. Park LS, McGinnis KA, Gordon K, Horberg MA, Jefferson CR, Bastarache B, Gangireddy S, Silverberg MJ, Leyden W, Napravnik S, Agil D, **Abraham AG**, D'Souza G, Althoff KN. SARS-Cov-2 Testing & Positivity Among Persons With & Without HIV in 6 US Cohorts. Virtual Conference on Retroviruses and Opportunistic Infections. March 6 -10, 2021.
 18. **Abraham AG**, Guo X, Arsiwala LT, Dong Y, Sharrett AR, Huang D, You Q, Liu L, Lujan B, Tomlinson A, Mosley M, Coresh J, Jia Y, Mihailovic A, Ramulu PY. Associations of OCTA-based retinal microvascular markers with cognitive decline in an older adult biracial community sample: what can we learn from retinal imaging? Oral Presentation for the Association for Vision and Ophthalmology Virtual Meeting. May 1-May 7, 2021.
 19. Ramulu PY, Guo X, Sharrett RA, Aleksandra Mihailovic A, Arsiwala LT, **Abraham AG**. Association of OCT imaging parameters with longitudinal changes in cognition in older adults participating in the Atherosclerosis Risk in Communities (ARIC) study. Oral Presentation for the Association for Vision and Ophthalmology Virtual Meeting. May 1-May 7, 2021.
 20. Arsiwala LT, Guo X, Sharrett AR, Ramulu PY, Mihailovic A, Swenor BK, Mosley T, Dong Y, **Abraham AG**. Associations of visual function with cognitive measures in an older adult community-based cohort: The Eye Determinants of Cognition (EyeDOC) Study. Oral Presentation for the Association for Vision and Ophthalmology Virtual Meeting. May 1-May 7, 2021.
 21. **Abraham AG**, Tong W, Stosor V, Friedman MR, Detels R, Plankey M. Vision Difficulty and Engagement in Care among Aging Men Living with HIV. Oral Presentation for the Gerontological Society of America. Virtual Meeting. November 10-14, 2021
 22. Sun J, Zheng Q, Anzalone AJ, **Abraham AG**, Mathew J, Safdar N, Islam JY, Olex AL, Mannon RB, Chute CG, Patel R, Kirk GD. Covid-19 Booster Vaccine Effectiveness in People With and Without Immune Dysfunction. Oral Presentation for the Conference on Retroviruses and Opportunistic Infections. Denver, Colorado. February 12 to 16, 2022.
 23. Mann A, Tong W, Palella F, Sharma A, Tien P, Fischl M, Mcfarlane S, Lahiri CD, Koletar S, Merenstein D, Adimora A, Lake JE, **Abraham A**, Brown T, Castillo-Mancilla J. The Impact of Diabetes Mellitus on Adherence and HIV Virologic Control: Results of the Multicenter AIDS Cohort Study/Women's Interagency HIV Study Combined Cohort Study. Oral Presentation for the 24th virtual International Workshop on Long-term Complications of HIV and SARS-CoV-2. December 6-9, 2022
 24. Lee, AM., Xu, Y., Hooper, SR., **Abraham, AG.**, Hu, J., Xiao, R., Matheson, MB., Brunson, C., Rhee, EP., Coresh, J., Vasani, RS., Schrauben, S., Kimmel, P., Warady, BA., Furth, SL., Hartung, EA., Denburg, MR., on behalf of the CKD Biomarkers Consortium. Novel metabolomic associations with neurocognitive outcomes in pediatric chronic kidney disease. Oral Presentation for the Pediatric Academic Societies (PAS) 2023 Meeting, April 27 - May 1, Washington, D.C

Posters

1. **Gump A**, LeGare M, and Hunt D. The application of Fitts' law to individuals with cerebral palsy. Poster presentation for the Western Psychological Association, Seattle, WA, April 24-27, 1997.
2. **Gump A**, LeGare M, and Hunt D. The application of Fitts' law to individuals with cerebral palsy. Poster presentation for the Society for Neuroscience, New Orleans, LA, November 4-9, 2000.
3. **Gump A**, Haughney L, and Fredberg JJ. Active force inhibition by isoproterenol versus tidal stretch in airway smooth muscle. Poster presentation for the American Thoracic Society, San Francisco, CA, May 18-23, 2001.
4. Mijailovich S, **Gump A**, and Fredberg J. Dynamic response of airway smooth muscle to physiological load in vitro: a comparison with predictions of perturbed myosin binding theory. Poster presentation for the North Eastern Smooth Muscle Society, Boston, MA, November 9, 2001.
5. Vitale S, **Gump A**, Cotch MF, and Smith JA. Investigation of thyroid function and age-related macular

- degeneration in the NHANES III study. Poster presentation for the Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, April 26, 2004.
6. **Abraham, AG**, Duncan, DD and West S. Developing methods for consistent and robust grading of cortical cataract severity using digital retroillumination images. Poster presentation for the Society for Epidemiologic Research, Boston, MA, June 21, 2007.
 7. **Abraham AG**, Schwartz G and Munoz A. Longitudinal Formulas to Estimate Glomerular Filtration Rate in Children with Chronic Kidney Disease. Poster presentation for the American Society of Nephrology, Philadelphia, PA, November 4-9, 2008.
 8. **Abraham AG** and Deeks S for the North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD). Prevalence trends of Multidrug Resistance in Antiretroviral Therapy-Experienced Patients in North America: 2000-2005. Poster presentation for the 13th International Workshop on HIV Observational Databases, Lisbon, Portugal, March 26th – 28th, 2009.
 9. **Abraham AG**, Lyketsos K, Munro C, Mu oz B and West S. The association of a unique cortical cataract phenotype with the onset of dementia. Poster presentation for the Wilmer Research Meeting, Baltimore, MD April 24, 2009.
 10. **Abraham, AG**, Cox C and West S. The differential effect of ultraviolet light exposure on cataract rate across regions of the lens. Poster presentation for the 42nd Annual Meeting of the Society for Epidemiologic Research, Anaheim, California, June 23-26, 2009.
 11. Schwartz GJ, **Abraham AG**, Maier PS, Furth SL, Dharnidharka V, Hellerstein S, Warady BA, Moxey-Mims M, Muñoz A. Particle Enhanced Nephelometric Immunoassay (PENIA, Dade Behring) Cystatin C Is Superior to Particle Enhanced Turbidometric Assay (PETIA, DAKO) as an Endogenous Biomarker for GFR in Children with CKD. Poster presentation for the American Society of Nephrology, San Diego, CA, October 27 - November 1, 2009.
 12. Schwartz GJ, **Abraham AG**, Dharnidharka V, Furth SL, Warady BA, Moxey-Mims M, Muñoz A. Particle Enhanced Nephelometric Immunoassay (PENIA, Dade Behring) Cystatin C Measurement Improves the Height/Screatinine Estimate of GFR in Children with CKD Compared to Particle Enhanced Turbidometric Assay(PETIA, DAKO). Poster presentation for the American Society of Nephrology, San Diego, CA, October 27 - November 1, 2009.
 13. Omoloja AA, Jerry-Fluker J, **Abraham AG**, Furth S, Warady B, Mitsnefes M. Smoking and Second Hand Smoking in Adolescents with Chronic Kidney Disease: A Report from the Chronic Kidney Disease in Children (CKiD) Cohort Study. Poster presentation for the American Society of Nephrology, San Diego, CA, October 27 - November 1, 2009.
 14. **Abraham AG**, Gange SJ, Moore RD, Lau B, Harrigan R, and Deeks S for the North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD) of the IeDEA. Methods for Estimating the Prevalence of Multidrug Resistance in Antiretroviral Therapy-Experienced Patients in North America. Poster presentation for the 17th Conference on Retroviruses and Opportunistic Infections, San Francisco, February 16-19, 2010.
 15. Crawford KW, Li X, Xu X, **Abraham A**, Dobs AS, Margolick JB, Pallella FJ, Kingsley LA, Witt MD, Brown TT. Lipodystrophy and Inflammation Predict Grip Strength in HIV-infected Men: the MACS Body Composition Substudy. Poster presentation for the International AIDS Society Meeting, Vienna, Austria, July 18-23, 2010.
 16. **Abraham AG**, Palella FJ, Li X, Estrella MM, Kingsley L, Witt M, Jacobson LP. The relationship between hemoglobin and kidney function in HIV-infected men. Poster presentation for the XVIII International AIDS Society Meeting, Vienna, Austria, July 18-23, 2010
 17. **Abraham AG**, Zack RM, Mak RH, Mitsnefes MM, Warady BA, Kaskel FJ, Furth SL. Protein Energy Wasting in Children with Chronic Kidney Disease. Poster presentation for the 15th Congress of the International Pediatric Nephrology Association, New York, NY, August 29-Sept 1, 2010
 18. **Abraham AG**, Modur S, Lau B, Zhang J, Eron J, Deeks SG, Moore R, Crane H, Gill MJ, Hogg R, Kitahata M, Klein M, Rodriguez B, Rourke S, and Gange SJ for the North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD) of IeDEA. Estimating the Time to HIV Drug Resistance in HIV-infected Individuals in North America. Poster presentation for the 15th International Workshop on HIV Observational Databases, Prague, Czeck Republic, March 24th – 26th, 2011.
 19. **Abraham AG**, Muñoz A, Furth SL, Warady BA, Schwartz GJ. Extracellular Volume and Disease Progression in Children with Chronic Kidney Disease. Poster presentation for the American Society of Nephrology, Denver, CO, November 16 - November 21, 2010.
 20. Furth SL, Flynn JT, Pierce CB, Mitsnefes M, Wong CS, Saland LM, Moxey-Mims MM, **Abraham AG**, Warady BA. Lower Systolic BP Associated with Slower CKD Progression in the CKiD Study. Poster presentation for the American Society of Nephrology, Denver, CO, November 16 - November 21, 2010.
 21. Estrella MM, **Abraham AG**, Jing Y, Parekh RS, Tien P, Anastos K, Cohen MH, Dehovitz JA, Szczech LA, Gange SJ. Antiretroviral-Treated HIV-Infected Women Have Kidney Function Trajectories Similar to HIV-Uninfected Women. Poster presentation for the American Society of Nephrology, Denver, CO, November 16 - November 21, 2010.

22. Mendley SR, Gerson AC, Hooper SR, **Abraham AG**, Matheson M, Gipson DS, Lande M, Morgenstern BZ, Shinnar S, Warady BA, Furth SL. Trends in Health-Related Quality of Life in Children with Mild to Moderate CKD. Poster presentation for the American Society of Nephrology, Denver, CO, November 16 - November 21, 2010.
23. Margolick JB, Jacobson LP, Schwartz, GJ, **Abraham AG**, Darilay, AT, Detels R, Kingsley L, Palella FJ. Factors affecting glomerular filtration rate, directly measured by iohexol clearance, among HIV-infected and -uninfected men in the Multicenter AIDS Cohort Study (MACS). Poster presentation for the 19th Conference on Retroviruses and Opportunistic Infections, Seattle, March 5-8, 2012.
24. Omoloja A, Matheson M, **Abraham A**, Mitsnefes M, Furth S, Warady B and Gerson AC. Is there an association between second-hand smoking exposure, neurocognitive functioning and HRQoL in children with CKD? Poster presentation for the Pediatric Academic Societies Meeting, Boston, MA April 28-May 1, 2012
25. Shiels M, Althoff K, Achenbach C, **Abraham A**, Burchell A, Cescon A, Crane H, D'Souza G, Gill MJ, Hessel N, Justice A, Kirk G, Klein M, Mathews WC, Moore R, Napravnik S, Novak R, Rodriguez B, Schouten J, Sterling T, Thorne J, Willig J, Silverberg M, Engels E, on behalf of the North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD) of IeDEA - TUPE160 – Poster Exhibition Age at cancer diagnosis in HIV-positive individuals in North America compared to the general U.S. Population. Poster presentation for the XIX International AIDS Conference, Washington DC, July22-27, 2012.
26. **Abraham AG**, Lau B, Estrella MM, Szczech L, Sterling T, Rourke R, Rodriguez B, Rachlis A, Parikh C, Napravnik S, Moore R, Moore D, Klein M, Kitahata M, Kirk G, Jing Y, Horberg M, Harris M, Gill MJ, Eron J, Crane H, Bosch R, Benson C, Anastos K, Althoff K, Lucas G for the North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD) of the International Epidemiologic Databases to Evaluate AIDS (IeDEA). Tenofovir-Associated Kidney Function Decline with a PI-based Versus NNRTI-based Regimen. Poster presentation for the XIX International AIDS Conference, Washington DC, July22-27, 2012.
27. Buchacz K, Lau B, Jing Y, Bosch R, Gandhi N, Gill MJ, **Abraham A**, Napravnik S, Goedert J, Eron J, Martin JN, Patel P, Rourke S, Samji H, Mayor A, Saag M, Silverberg MJ, Gange SJ, Moore RD, Brooks JT, for the NA-ACCORD. Incidence of AIDS-defining opportunistic illnesses (ADOIs) among patients with no prior clinical AIDS: the NA-ACCORD, 2000-2010. Poster Presentation for the International Workshop on HIV Observational Databases. Cavtat, Croatia, April 11-13, 2013
28. Oboho I, **Abraham AG**, Benning L, Anastos K, Sharma A, Young M, Burian P, Gandhi M, Cohen M, Szczech L. Tenofovir Use and Urinary Biomarkers among HIV-infected Women in the Women's Interagency HIV Study (WIHS). Poster presentation at the Infectious Disease Society of America National Conference, San Diego, CA, October 20, 2012
29. Warady BA, **Abraham AG**, Schwartz GJ, Munoz A, Wong CS, Mitsnefes M, Kaskel FJ, Greenbaum LA, Mak RH, Flynn JT, Moxey-Mims M, Furth SL. Disease Progression in Children with Chronic Kidney Disease. Poster presentation for the American Society of Nephrology, San Diego, CA, Oct. 30 - Nov. 4, 2012.
30. Lucas G, Jing Y, Sulkowski M, **Abraham A**, Atta M, Fine D, Moore R, Estrella M for the North American AIDS Cohort Collaboration on Research and Design (NA ACCORD). Hepatitis C Co-infection and the Risk of Chronic Kidney Disease in HIV-infected Individuals: Does Hepatitis C Viremia Matter. Poster presentation for the 20th Conference on Retroviruses and Opportunistic Infections, Atlanta, March3-6, 2013.
31. **Abraham AG**, Modur S, Gange S, Eron J, Boswell B, Gill MJ, Justice A, Martin J, Mayor A, Moore R, Deeks S for the North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD) of the International Epidemiologic Databases to Evaluate AIDS (IeDEA). HIV Drug Resistance in Antiretroviral Therapy-Experienced Patients in North America: Current Trends in the Burden of Resistance. Poster Presentation for the International Workshop on HIV Observational Databases. Cavtat, Croatia, April 11-13, 2013
32. **Abraham AG**, Modur S, Gange S, Eron J, Boswell B, Gill MJ, Justice A, Martin J, Mayor A, Moore R, Deeks S for the North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD) of the International Epidemiologic Databases to Evaluate AIDS (IeDEA). HIV Drug Resistance in Antiretroviral Therapy-Experienced Patients in North America: Current Trends in the Burden of Resistance. Poster Presentation for Johns Hopkins Center for AIDS Research meeting. Baltimore, MD, June 7, 2013
33. Althoff KN, **Abraham AG**, Estrella MM, Crane HM, Freeman A, Gill MJ, Golub ET, Horberg M, Jacobson LP, Kitahata MM, McKaig R, Palella F, Parikh CR, Moore RD, Jing Y, Rodriguez B, Eron J, Napravnik S, Silverberg M, Mayor A, Krishnasami Z, and Lucas G for the North American AIDS Cohort Collaboration on Research and Design. Incidence of End-stage Renal Disease (ESRD) in the North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD). Poster presentation for the 7th IAS Conference on HIV Pathogenesis, Treatment and Prevention, Kuala Lumpur, Malaysia June 30- July 3, 2013.
34. Estrella MM, Li M, Parekh RS, **Abraham AG**, Hussain SK, Kao WHL. Association of the High Risk APOL1 Genotype with Longitudinal GFR Is Modified by HIV. Poster presentation for the American Society of Nephrology Meeting, Atlanta, GA, November 7-10, 2013
35. Portale AA, **Abraham AG**, Wolf M, Salusky IB, Jüppner H, Warady BA, Furth SL, Fibroblast Growth Factor 23

- Predicts Progression of Chronic Kidney Disease in Children. Poster presentation for the American Society of Nephrology Meeting, Atlanta, GA, November 7-10, 2013
36. Kumar J, Friedman LA, **Abraham AG**, Johnson VL, Kaskel FJ, Warady BA, Furth SL, Melamed ML, Portale AA. Prevalence and Determinants of 25-hydroxyvitamin D Deficiency in the Chronic Kidney Disease in Children Cohort. Poster presentation for the American Society of Nephrology Meeting, Atlanta, GA, November 7-10, 2013
 37. Rebeiro PF, Gange SJ, Horberg MA, **Abraham AG**, Napravnik S, Samji H, Yehia BR, Althoff KN, and Curriero FC for the North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD). The geography of HIV clinical retention in the United States: regional trends in the NA-ACCORD. Poster presentation for the 18th International Workshop on HIV Observational Databases, Sitges, Spain, March 2014.
 38. Slama L, Palella F, **Abraham AG**, Li X, Vigouroux C, Pialoux G, Kingsley L, Lake J, Brown T. HbA1c is a predictor of fasting glycemia in HIV-infected men with low CD4 count, high MCV and MCH. Conference on Retroviruses and Opportunistic Infections, Boston, March 3-6, 2014.
 39. Hui WF, Pierce CB, **Abraham AG**, Warady BA, White CT and Furth SL. Progression to next stage of chronic kidney disease (CKD) using modified KDIGO (eGFR/proteinuria) classification in children. Poster presentation for the American Society of Nephrology Meeting, Philadelphia, PA November 11-16, 2014
 40. Hui WF, Pierce CB, **Abraham AG**, Warady BA, White CT and Furth SL. KDIGO eGFR/proteinuria category and risk in the Chronic Kidney Disease in Children (CKiD) Study. Poster presentation for the American Society of Nephrology Meeting, Philadelphia, PA November 11-16, 2014
 41. **Abraham AG**, Darilay A, McKay HS, Margolick JB, Estrella MM, Palella FJ, Bolan R, Rinaldo CR, Jacobson LP. Kidney Dysfunction and Markers of Inflammation in the Multicenter AIDS Cohort Study. Conference on Retroviruses and Opportunistic Infections, Seattle, WA, February 23-26, 2015.
 42. Wester WC, Jenkins CA, Koethe JR, Freeman A, Kalayjian R, Mendes A, **Abraham AG**, Lake JE, Erlandson K, Crane H, Sterling TR, Moore RD, Shepherd BE for the North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD) of IeDEA. Association between angiotensin receptor blocker and angiotensin converting enzyme inhibitor exposure and all-cause mortality in HIV-infected adults. Poster presentation for the 19th International Workshop on HIV Observational Databases, Catania, Sicily, March 2015.
 43. Rebeiro PF, **Abraham AG**, Horberg MA, Gill J, Yehia BR, Silverberg MJ, Rachlis AB, Samji H, Althoff KN, Sterling TR, Gange SJ for the North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD) of IeDEA. Racial Differences in Discontinuity and Re-entry into HIV Care After Antiretroviral Therapy Initiation in the U.S. and Canada. Poster presentation for the 19th International Workshop on HIV Observational Databases, Catania, Sicily, March 2015.
 44. Pereira L, **Abraham AG**, Hooper D, Mitsnefes MM, Warady BA, Furth SL. KDIGO guidelines and current blood pressure management in children with CKD. Poster presentation the Pediatric Academic Societies (PAS) 2015 Annual Meeting, San Diego CA. April 2015.
 45. Shafi T, Jaar B, Zikusoka M, **Abraham A**, Knight C, El Hage N, Scheel P, Coresh J, Silber H. Non-Invasive Left Ventricular End-Diastolic Pressure (LVEDP) Measurement in Hemodialysis Patients: A Pilot Study. Poster Presentation for American Society of Nephrology Conference. San Diego CA, November 5, 2015
 46. Althoff K, Estrella M, **Abraham A**, Gill MJ, Kitahata M, Horberg M, Hull M, Mayor A, Palella F, Lucas G. The racial survival paradox in HIV+ end-stage renal disease (ESRD) patients. Poster presentation for the Conference on Retroviruses and Opportunistic Infections, Boston, MA, February 23-26, 2016.
 47. Wang R*, Lucas G, Estrella M, Shlipak M, Harris M, Horberg M, Kitahata M, Mayor A, Napravnik S, **Abraham A**. Short-term Renal Impact of Tenofovir among HIV-infected patients in North America. Poster presentation for the Conference on Retroviruses and Opportunistic Infections, Boston, MA, February 23-26, 2016.
 48. **Abraham AG**, Calkins K, Lau B, Zhang L, Tin A, Hoofnagle A, Palella Jr. FJ, Witt MD, Kingsley LA, Jacobson LP, Brown TT. Vitamin D status at therapy initiation and CD4+ T cell count recovery in HIV-infected men in the multicenter AIDS cohort study. Poster presentation for the International AIDS Society Meeting, Durban, South Africa July 18-22, 2016.
 49. Zhang L*, Brown TT, Margolick JB, MWitt MD, Palella Jr FJ, Kingsley LA, Hoofnagle AN, Tin A, Jacobson LP, **Abraham AG**. Vitamin D Metabolites and Inflammation in the Multicenter AIDS Cohort Study (MACS). Poster presentation for IDWeek, New Orleans, Louisiana, October 26-30, 2016.
 50. Liu CM, Prodger JL, Tobian AAR, Kaul R, **Abraham AG**, Kigozi G, Nalugoda F, Serwadda D, Price LB, Gray RH. Abundance of penile anaerobes, IL-8, and the risk of HIV acquisition, Rakai, Uganda. Oral presentation for the Conference on Retroviruses and Opportunistic Infections, Seattle, WA, February 13-16, 2017.
 51. Wong C*, Gange SJ, Moore RD, Justice A, **Abraham AG**, Gebo K, Gill J, Martin JN, Mayor A, Althoff KN. Trend in multimorbidity among HIV+ adults in clinical care in the US. Poster presentation for the Conference on Retroviruses and Opportunistic Infections, Seattle, WA, February 13-16, 2017.
 52. Haberlen S, Wang R, Palella FJ, Jacobson LP, Brown TT, Witt M, Berlacher K, Budoff M, **Abraham AG**, Post W. HIV viral burden associated with subclinical coronary artery disease in HIV+ men. Poster presentation for the Conference on Retroviruses and Opportunistic Infections, Seattle, WA, February 13-16, 2017.

53. Wang R*, Haberlen S, Palella FJ, Margolick JB, Macatangay B, Martínez-Maza O, Jacobson LP, **Abraham AG**. Viremia copy-years and mortality in HIV+ men starting art: how much history is needed. Poster presentation for the Conference on Retroviruses and Opportunistic Infections, Seattle, WA, February 13-16, 2017.
54. Zhang L*, Brown TT, Margolick JB, Haberlen S, MWitt MD, Palella Jr FJ, Kingsley LA, Hoofnagle AN, Jacobson LP, **Abraham AG**. Vitamin D Metabolites and Mortality Risk Among HAART-Treated HIV-Infected Men. Poster presentation for the Conference on Retroviruses and Opportunistic Infections, Seattle, WA, February 13- 16, 2017.
55. Lu H*, Surkan PJ, Gross AL, Treisman GJ, Breen EC, Sacktor NC, Irwin MW, Wolinsky S, Jacobson LP, **Abraham AG**. Inflammation and depressive symptoms in the Multicenter AIDS Cohort Study (MACS). Poster presentation for the International Workshop on HIV and HCV Observational Databases, Lisbon, Portugal, March 2017.
56. Chu D, **Abraham AG**, Pierce CB, Ross ME, Denburg MR, Tasian GE, Zderic SA, Furth SL. Urology Referral and Progression to End-Stage Renal Disease: A Chronic Kidney Disease in Children (CKiD) Nested Case-Control Study. Pediatric Urology Fall Congress, Montreal, Canada, September 8-10, 2017.
57. Girardat-Rotar L*, **Abraham AG**, Puhon MA and Serra AL. Personalisierte Entscheidungshilfe für eine Therapie am Beispiel der autosomal-dominante polyzystische Nierenerkrankung: Wann soll das Nierenvolumen gemessen werden. Swiss Public Health Conference 2017, Basel, Switzerland, November 22-23, 2017
58. **Abraham AG**, Sun J, Brown JK, Demehri S, Garza J, Palella F, Kingsley L, Jamieson B, Anagnostopoulos A, Althoff K, Brown TT. The effect of age and HIV on the anatomic distribution of femoral neck cortical and cancellous bone. Poster presentation for the 22nd International Workshop on HIV and Hepatitis Observational Databases. Fuengirola, Spain 22nd – 24th March 2018.
59. **Abraham AG**, Kong X, Guo G, Lee MJ, Ramulu P. Visual function and ocular pathology in an aging bi-racial population sample. Poster Presentation for the Association for Vision and Ophthalmology, Honolulu, Hawaii, April 28-May 4, 2018.
60. Lujan BJ, Tomlinson A, Hasan B, Carroll J, Guo X, Kong X, Erker LR, Jia Y, Huang D, Wilson DJ, Ramulu PY, **Abraham AG**. Initial Quality Control Assessment of Optical Coherence Tomography Angiography Data in the EyeDOC Study. Poster Presentation for the Association for Vision and Ophthalmology, Honolulu, Hawaii, April 28-May 4, 2018.
61. **Abraham AG**, Kong X, Guo X, Lee MJ, Ramulu P. Visual function and ocular pathology in an aging bi-racial population sample. Poster Presentation for the 29th Annual Wilmer Research Meeting, Baltimore, MD, May 18, 2018.
62. **Abraham AG**, Sharma A, Sun J, Brown JK, Garza J, Shah JG, Brown TT, Yin MT. Make no bones about it: hip bone health in aging HIV-infected and –uninfected women. . Poster presentation for the 23rd International Workshop on HIV and Hepatitis Observational Databases. Athens, Greece, 27nd – 29th March 2019.
63. **Abraham AG**, Guo X, Kong X, Sharrett R, Huang D, Ramulu P. Retinal microvascular health and what it tells us about cognitive function: the Eye Determinants of Cognition (EyeDOC) Study. Poster Presentation for the Association for Vision and Ophthalmology, Vancouver, BC, Canada, April 28-May 3, 2019.
64. Couser E*, Swenor, B, Guo X, Kong X, Sharrett R, Huang D, Ramulu P, **Abraham AG**. Moving Beyond Visual Acuity: Examining Associations between Visual acuity, Contrast Sensitivity, and Cognition in an Older Adult Population. Poster Presentation for the Association for Vision and Ophthalmology, Vancouver, BC, Canada, April 28-May 3, 2019.
65. Guo X*, Kong X, Sharrett R, Ramulu P, **Abraham AG**. Retina Structural Features by Optical Coherence Tomography in a Bi-Community Population: the Eye Determinant of Cognition (EyeDOC) Study. Poster Presentation for the Association for Vision and Ophthalmology, Vancouver, BC, Canada, April 28-May 3, 2019.
66. Kherani S*, Sharrett R, Guo X, You Q, Liu L, Huang D, Ramulu P, **Abraham AG**, Kong X. Intergrader Reproducibility of Peripapillary Retinal Metrics from Optical Coherence Tomographic Angiography in Community Dwelling Older Adults. Poster Presentation for the Association for Vision and Ophthalmology, Vancouver, BC, Canada, April 28-May 3, 2019.
67. Ramulu P, Guo X, Kong X, Sharrett R, **Abraham AG**. Association of OCT Structural Measures and Axial Length with Cognitive Ability in a Bi-Racial Sample of Non-Demented Adults. Poster Presentation for the Association for Vision and Ophthalmology, Vancouver, BC, Canada, April 28-May 3, 2019.
68. **Abraham AG**, Ervin A, Swenor B, Ramulu P, Channa R, Kong X, Plankey M. Vision difficulty in aging HIV-infected men and the health consequences Society for Epidemiologic Research Meeting, Minneapolis, MN, June 18-20 2019.
69. **Abraham AG**, Ervin A, Swenor B, Ramulu P, Channa R, Kong X, Plankey M. The physical and mental health implications of vision impairment in aging HIV-infected men. International AIDS Society Meeting, Mexico City, Mexico, 21-24 July 2019.
70. Denberg M, Xu Y, **Abraham AG**, Coresh J, Chen J, Rebholz C, Rhee EP, Feldman HI, Kimmel PL , Hooper SH, Warady BA, Furth SL. Metabolomic Profiling for Discovery of Biomarkers of Neurocognitive Impairment in Children with Chronic Kidney Disease. Poster presentation for the American Society of Nephrology (ASN),

- Washington, DC, November 7, 2019
71. Rebholz CM, Chen J, **Abraham AG**, Xu Y, Siewe A, Warady BA, Rhee EP, Furth SL, Coresh J, Denburg M. Metabolomics of Dietary Protein Sources and CKD Progression in Children. Poster presentation for the American Society of Nephrology (ASN), Washington, DC, November 7, 2019
 72. Masters MC, Yang J, Lake JE, **Abraham A**, Kingsley L, Brown TT, Palella FJ, Erlandson KM. Glycemic Status and Physical Function Among Men with and Without HIV. Poster for Conference on Retroviruses and Opportunistic Infections (CROI). Boston, Massachusetts, March 8–11, 2020
 73. Slama L, Barrett B, **Abraham A**, Palella FJ, Kingsley L, Viard J, Lake JE, Brown TT. Risk for Incident Diabetes is Greater in Prediabetic Men with HIV Than Without HIV. Poster for Conference on Retroviruses and Opportunistic Infections (CROI). Boston, Massachusetts, March 8–11, 2020
 74. Lee AM, **Abraham AG**, Xu Y, Xiao R, Coresh J, Rebholz C, Chen J, Rhee EP, Feldman HI, Kimmel PL, Warady BA, Furth SL, Denburg MR, for the CKD Biomarkers Consortium. Machine learning to identify metabolomic signatures in pediatric focal segmental glomerular sclerosis", has been accepted for the Pediatric Academic Societies (PAS) 2020 Meeting, May 2-5, 2020, in Philadelphia, PA.
 75. Slama L, Barrett B, **Abraham A**, Palella FJ, Kingsley L, Viard J, Lake JE, Brown TT. Greater Incident Proteinuria in Pre-Diabetic Men with HIV than Without HIV: The Multicenter AIDS Cohort Study poster presentation at the 22nd Virtual International Workshop on Adverse Drug Reactions and Co-Morbidities in HIV. October, 2020
 76. Zhu X*, **Abraham AG**, Barrett B, Palella FJ, Margolick JB, Macatangay BJC, Detels D. Summing it all up: the impact of missing data in analyses using cumulative viremia. Society for Epidemiologic Research Virtual Meeting. December 16-18, 2020
 77. Guo X*, Dong Y, Arsiwala LT, Mihailovic A, Ramulu PY, Sharrett AR, **Abraham AG**. Visual Function, Physical Function, and Activities of Daily Living in Two Aging Communities. Poster presentation for the Association for Vision and Ophthalmology Virtual Meeting. May 1-May 7, 2021.
 78. Dong Y*, Guo X, Sharrett AR, Ramulu PY, Arsiwala LT, Mihailovic A, **Abraham AG**. Normative Distribution of Optical Coherence Tomography Retinal Features and Associations with Visual Function in Older Adults (from the Eye Determinants of Cognition Study). Poster presentation for the Association for Vision and Ophthalmology Virtual Meeting. May 1-May 7, 2021.
 79. **Abraham AG**, Tong W, Stosor V, Friedman MR, Detels R, Plankey M. What's vision got to do with it? The impact of vision difficulty on quality of life, depression and care engagement among men living with HIV. Poster presentation for the 22nd International Workshop on HIV and Hepatitis Observational Databases. Seville, Spain 24nd – 26th March 2022.
 80. Yu MA, Price J, Anastos K, **Abraham AG**, French A, Mehta C, Alvarez J, Logan G, Tien P, Lahiri CD, Musonge-Effoe, JE. Noninvasive Assessment of Change in Hepatic Fibrosis Following Initiation of Integrase Inhibitors in Women Living with HIV. IDweek. October 11-15, 2022 in Boston, MA.
 81. Butler JL*, Hranac R, Johnston H, Casey M, Basiliere E, **Abraham AG**, Czaja C. Association of Clostridioides difficile infection rates with social determinants of health in Denver area census tracts, 2016-2019. Poster presented at 2023 Council of State and Territorial Epidemiologists Annual Conference. 2023; Salt Lake City, Utah.
 82. Scheppach J, Arsiwala L, Guo X, Ramulu P, **Abraham A**; #5761 The association of eGFR slope with visual impairment, retinal vessel density, and eye pathologies in the Eye Determinants of Cognition (EyeDOC) Study, *Nephrology Dialysis Transplantation*, Volume 38, Issue Supplement_1, June 2023, gfad063c_5761, https://doi.org/10.1093/ndt/gfad063c_5761

**students or staff under my mentorship*

Note: Name change from Gump A to Abraham AG in 2005

