

SUPRIYA DINESH MEHTA, MHS, PhD

orcid.org/0000-0002-7926-2489

ACADEMIC APPOINTMENTS:

Rush University, Chicago, IL

1/22- : **Professor**, Division of Infectious Disease Medicine, Department of Medicine

University of Illinois Chicago School of Public Health, Chicago, IL

1/22- : **Professor (Adjunct)**, Division of Epidemiology and Biostatistics

8/21- 12/21: **Professor**, Division of Epidemiology and Biostatistics

1/20 -12/21: **Interim Associate Dean for Global Health**

2011 - 2020: **Associate Professor with Tenure**, Division of Epidemiology and Biostatistics

2006 – 2011: **Assistant Professor**, Division of Epidemiology and Biostatistics

Boston University, Boston, MA

2002 – 2006: **Assistant Professor**, Department of Emergency Medicine

2002 – 2006: **Assistant Professor (Adjunct)**, Department of Epidemiology

PROFESSIONAL EXPERIENCE:

2017–2018: **Consultant, Innovations**

Jhpiego – an affiliate of Johns Hopkins University, Baltimore, MD

2016 – 2017: **Visiting Senior Technical Advisor, Innovations & Monitoring, Evaluation, Research**

Jhpiego - an affiliate of Johns Hopkins University, Baltimore, MD

2015 – 2018: **Consultant**, Nyanza Reproductive Health Society, Kisumu, Kenya

2000 – 2002: **Post Doctoral Fellow**, Association of Teachers of Preventive Medicine and Centers for Disease Control and Prevention; The Johns Hopkins University School of Medicine, Department of Medicine, Division of Infectious Diseases, Baltimore, Maryland

EDUCATION:

The Johns Hopkins University School of Hygiene and Public Health, Baltimore, Maryland

2000: **Doctor of Philosophy**, Department of Epidemiology, Division of Infectious Diseases

1998: **Master of Health Sciences**, Department of Epidemiology, Division of Infectious Diseases

The Johns Hopkins University School of Arts and Sciences, Baltimore, Maryland

1996: **Bachelor of Arts**, Department of Biology

EDUCATIONAL CONTRIBUTIONS

TEACHING: *University of Illinois at Chicago, Chicago, IL*

2007–2013: Course Instructor, Introduction to Epidemiology: Principles and Methods (EPID 403)

2009–2015: Course Instructor, Epidemiology of Sexually Transmitted Infections (EPID 529)

2010: Lecturer, Department of Medicine, Division of Infectious Diseases

2013, 2017-

2020: Course Instructor, Current Topics in HIV/AIDS Research (EPID 509)

ADVISING & MENTORING: *University of Illinois at Chicago (unless specified otherwise)*

2006–: Primary Advisor: MPH, MS, Doctoral students

2009 – 2010: Primary Research Mentor: Keri Kim, Pharm D, Clinical and Translational Sciences Fellow, Clinical Assistant Professor of Pharmacology

2012 – 2014: Primary Research Mentor: Tracy Nicholson, PhD, Post-Doctoral Fellow, Institute for Health Research and Policy

2012 – 2014: Consultant, K01: Leah Rubin, PhD, MPH, Assistant Professor of Psychology

2012 – 2016: Faculty Member, Fogarty AIDS Training Program, School of Public Health

2014 – 2016: Primary Research Mentor: Marielle Fricchione, MD, Pediatric Infectious Disease Fellow, Northwestern University Feinberg School of Medicine

2014 - 2020: Faculty Member, K12 Clinician Training Program, Department of Ophthalmology, School of Medicine

2015 - 2020: Primary K12 Mentor, Ann-Marie Lobo, MD, Assistant Professor of Ophthalmology

2019 - : K43 Mentor, Jonah Musa, MBBS, PhD, Assistant Professor of Obstetrics & Gynecology, University of Jos, Nigeria

2019- : D43 Primary Academic Advisor, Nyam Chuwang, MBBS, Lecturer of Anatomy, University of Jos, Nigeria

Course evaluations and graduated and in-progress MS, Doctoral, and Post-Doctoral titles available on request.

PROFESSIONAL INSTRUCTION: *Jhpiego, Baltimore, MD*

2016 – 2017: Course Designer and Lead Instructor, Implementation Research Workshop and Design Challenge. This is a skills building course targeted to non-specialists in implementation research, including clinicians and public health practitioners. Delivery of modules ranges from 2-3 hours to 2 days.

INVITED LECTURES AND TALKS:

1. **Plenary Speaker.** Effect of COVID-19 pandemic on sexual and reproductive health of adolescent girls and young women: How can we mitigate and prevent unintended harms? Example from Kenya. African Research Universities Alliance, Pretoria, South Africa, November 17-22, 2021.
2. **Seminar Speaker.** Assessing COVID-19 attitudes, sexual behaviors, and access to sexual health services to MSM through a collective sex venue. Third Coast CFAR Seminar, Chicago, IL, November 1, 2021.

3. **Seminar Speaker.** The role of the penile and vaginal microbiome in improving sexual and reproductive health outcomes. University of Maryland, Institute for Genomics, March 31, 2021.
4. **Invited Lecture.** Can Improved Menstrual Hygiene Management Lead to Improved Reproductive Health and Socio-Behavioral Outcomes? University of Notre Dame, Eck Institute for Global Health, Global Health Challenges Course, March 17, 2021.
5. **Symposium Speaker.** The role of the penile and vaginal microbiome in improving sexual and reproductive health outcomes. 12th Annual Maternal and Child Health Symposium, March 4, 2021.
6. **Visiting Scholar Lecture.** Host genetic determinants of the vaginal microbiome and bacterial vaginosis in Kenyan women. University of Manitoba, School of Medicine, April 8, 2020. Cancelled due to COVID-19.
7. **Invited Lecture.** The role of the penile microbiome in women's sexual and reproductive health outcomes. Rutgers University School of Public Health, Department of Biostatistics and Epidemiology. March 11, 2020.
8. **Grand Rounds.** The role of the penile microbiome in women's sexual and reproductive health outcomes. Rush University School of Medicine, Department of Medicine. Research Grand Rounds. February 2020.
9. **Invited Speaker.** Host genetic determinants of the vaginal microbiome and bacterial vaginosis in Kenyan women. US-Japan Cooperative Medical Sciences Program (USJCMSP) 22nd International Conference: Emerging Infectious Diseases Panel, Bangkok, Thailand, February 24-25, 2020.
10. **Invited Speaker.** The vaginal microbiome and cervical cancer screening in low and middle income countries. US-Japan Cooperative Medical Sciences Program (USJCMSP) 22nd International Conference: AIDS Panel. Bangkok, Thailand, February 26-27, 2020.
11. **Session Co-Chair.** *Sexually Transmitted Infections*. University of Nairobi/NASCOP (Kenya Ministry of Health) Annual Meeting, Nairobi, Kenya. 2018, 2019, 2020.
12. **Keynote Speaker.** "The current state and future of vaginal microbiome research in global health." Global Health Day, Northwestern Center for Global Health, April 26, 2019, Chicago, IL.
13. **Keynote Speaker.** "Incorporating the vaginal microbiome in cervical cancer screening in low and middle income countries". 7th Annual Symposium on Global Cancer Research, Panel on Point of Care Diagnosis to Improve Access to Care in Low Resource Settings. Consortium of the Universities for Global Health, March 7, 2019, Chicago, IL.
14. **Seminar Speaker.** "Incorporating the microbiome in public health research to improve sexual health." Third Coast CFAR Seminar, March 12, 2018, Northwestern University, Chicago, IL.
15. **Symposium Speaker.** "Male and female genital microbiome and mucosal immunology." 2016 Inter-CFAR Joint Symposium on HIV Research in Women, Birmingham, AL. December 6-7, 2016.
16. **Plenary Speaker.** "Sexual transmissibility of the genital microbiome and mucosal immune effects." Mucosal Immunology Course & Symposium, Society for Mucosal Immunology, Toronto, Canada. July 27-30, 2016.
17. **Invited Lecture.** "Genital microbiome, mucosal immunology, & disease: Current and next questions". University of Nairobi, Department of Medical Microbiology. February 5, 2016.
18. **Grand Rounds.** "Sexual transmissibility of the genital microbiome: preliminary results from *Afya jozi, Afya jamii*." John H. Stroger, Jr. Hospital of Cook County, Department of Obstetrics & Gynecology. July 6, 2015.
19. **Symposium Speaker.** "*Neisseria gonorrhoeae* and the health and healthcare impact of drug resistance." Northwestern University Feinberg School of Medicine and Northwestern Hospital

Departments of Pharmacy and Infection Control and Prevention. April 23, 2015.

20. **Keynote Speaker.** "What's old is new again: using the microbiome to reveal sexual transmissibility." Chicago State University, Annual Scheinbuchs Memorial Scholarship. November 18, 2014.
21. **Plenary Speaker.** Mehta SD, Johnson AK. "What Can Internet Search Engines Reveal About Population STD Trends and Risk?" National STD Prevention Conference, Atlanta, Georgia, June 9 – 12, 2014.
22. **Invited Lecture.** "Penile Genital Microbial Diversity: Potential Effects and Mediators". The University of Washington School of Medicine, Department of Global Health. March 14, 2012.
23. **Invited Lecture.** "Circumcision and Reduced Risk of Self-Reported Penile Coital Injuries: Results from a Randomized Controlled Trial in Kisumu, Kenya". The Johns Hopkins University School of Medicine, Department of Dermatology. June 21, 2010.
24. **Invited Lecture.** "Integrating Zoological Institution and Public Health Surveillance for Zoonotic Disease". Public Health and Zoological Institution Partnership for Public Health Surveillance, Lincoln Park Zoo. October 19, 2009.
25. **Seminar Speaker.** "Evaluation of Syphilis Surveillance: Case Example Using United States Health Department Data"; "Male Circumcision Overview". Fogarty UIC AIDS International Training Program. Hangzhou, China, June 1-3, 2009.
26. **Invited Lecture.** "The effects of adult male circumcision on sexual dysfunction, penile coital injuries, and non-ulcerative STIs: Results of an RCT". Immunology and Microbiology Seminar. Rush University School of Medicine, November 7, 2008.

AWARDS AND HONORS: *University of Illinois at Chicago*

2011, 2013,

2014, 2015

2016, 2018,

2019, 2020: Nomination, Golden Apple Award, School of Public Health

2009, 2013: Faculty Scholarship Award, Office of Faculty Affairs

2013: Excellence in Urban Global Health, Department of Medicine, School of Medicine

2018: OpEd Project, "Write to Change the World"

PUBLIC SERVICE AND MEMBERSHIP:

2006 – : Member, American Sexually Transmitted Disease Association

2015: Member, STI Advisory Group, National AIDS & STI Control Program (NAS COP), Kenyan Ministry of Health. Rapid release of updated gonococcal treatment guidelines.

2018: Member, STI Advisory Group, NAS COP, Kenyan Ministry of Health. STI and Hepatitis Prevention Guidelines.

2018 – : Member, International Union against Sexually Transmitted Infections

2019 – : Syphilis Elimination Task Force, Chicago Department of Public Health

2020 – : Member, American Society of Microbiology

2021-2022: 2022 National STD Prevention Conference, Assessment Track, Planning Member

2022-2023: 2023 STI & HIV World Congress, Implementation Science Track, Planning Member

EDITORIAL ACTIVITIES:

2011 – 2016: Associate Editor for Methods, *Journal of Human Lactation*

- 2015 – 2020: Editorial Board, Public Health Section, *Scientific Reports*
2016 – : Editorial Board, *Sexually Transmitted Diseases*
2020 – : Co-Chief Editor, Adolescent Health and Well Being Section, *Frontiers in Reproductive Health*

GRANT REVIEW:

- 2008: South African Medical Research Council, London, England
2010: American Association for the Advancement of Science, Washington, DC
2011: CDC Special Emphasis Panel for Request for Applications GH11-001, Conducting Public Health Research through the Field Epidemiology and Laboratory Training Programs
2012: CDC Special Emphasis Panel for Request for Applications GH12-004, Conducting Public Health Research in South Africa by the National Health Laboratory Service
2013: CDC Special Emphasis Panel for Request for Applications GH13-002, Strengthening the Monitoring and Evaluation of Programs for the Elimination and Control of Neglected Tropical Diseases in Africa
2016: CDC Special Emphasis Panel for Request for Applications GH16-006, Conducting Public Health Research in Kenya
2016: Chicago Department of Public Health for Request for Proposals “PrEP” and “Data to Care”
2017: CDC Special Emphasis Panel for PS17-002: Understanding the Epidemiology of Syphilis in the United States.
2018: *Ad hoc* member, NIH, NIAID, AIDS Clinical Studies and Epidemiology Study Section, 2018/10
2018: *Ad hoc* member, NIH, PAR Panel: Role of HIV on Renal, Urologic, Hematological and Metabolic Dysfunction. 2018/10 ZRG1 AARR-Q (51) R
2019: *Ad hoc* member, CIHR, Canadian Institutes for Health Research, “HIV/AIDS Biomedical and Clinical Research” competition.
2020: *Ad hoc* member, NIH, Special Emphasis Panel. 2020/05 ZRG1 AARR-E (02) M
2020: *Ad hoc* member, NIH, Small Business: HIV/AIDS Innovative research Applications. 2020/08 ZRG1 AARR-P (11) B
2020: *Ad hoc* member, NIH, Small Business: HIV/AIDS Innovative research Applications 2020/08 ZRG1 AARR-M (07) S
2021: *Ad hoc* member, NIH, CRFS Clinical Research and Field Studies of Infectious Diseases Study Section
2021: *Ad hoc* member, NIH, Special Emphasis Panel. 2021/10 ZRG1 IDIB-D (50) R
PAR Panel: Transgender People: Immunity, Prevention, and Treatment of HIV and STIs
2021: STARs in Global Health, Grand Challenges Canada, Round 11
2021: *Ad hoc* member, NIH, Special Emphasis Panel, NCATS Limited Competition: Small Grant Program for the NCATS Clinical and Translational Science Award (CTSA) Program (R03 Clinical Trial Optional) ZTR1 CI-6 (01)
2021: *Ad hoc* member, NIH, 2022/01 ZRG1 AIDC-P (15) B, Small Business: Anti-infective Therapeutics

AD HOC MANUSCRIPT REVIEW:

Nature Communications, mBio, PeerJ, Microbiome, Journal of Acquired Immunodeficiency (JAIDS), AIDS, Lancet Infectious Diseases, AIDS & Behavior, Nature Urology, Clinical Infectious Diseases, Journal of Infectious Diseases, Journal of Women's Health, African Health Sciences, Sexually Transmitted Diseases, Sexually Transmitted Infections, International Journal STI & AIDS, etc.

PEER REVIEW:

2010-2022: Abstract Reviewer, International AIDS Society Meeting: Vienna, Austria (2010); Rome, Italy (2011); Washington, DC (2012); Kuala Lumpur (2013); Melbourne, Australia (2014); Vancouver, Canada (2015); Durban, South Africa (2016); Paris, France (2017); Amsterdam, Netherlands (2018); Mexico City, Mexico (2019); San Francisco and Oakland (2020); Berlin, Germany and Virtual (2021); Montreal, Canada and Virtual (2022)

2018 Mentor, Abstract Mentor Program, AIDS 2018

2018-2020: Abstract Reviewer, UoN/NASCOP Annual Meeting, Nairobi, Kenya

2019 Abstract Reviewer, STI & HIV World Congress, Vancouver, Canada 2019

2020 Abstract Reviewer and Panel Reviewer, Consortium of Universities for Global Health, Virtual, 2021

UNIVERSITY COMMITTEE SERVICE AND MEMBERSHIP:

University of Illinois at Chicago

School Level

2007 –2021: Member, Global Health Committee, School of Public Health (SPH)

2009 – 2011: Member, Health Advisory Board, SPH

2011 – 2013: Chair of Research Working Group; Strategic Planning Taskforce Committee, SPH

2011 – 2013: Division Representative, Executive Committee, SPH

2012 – 2020: Member, Committee on Research, SPH

2015 – 2016: Chair, Committee on Research, SPH

Campus Level

2019 – 2021: Member, International Advisory Committee (IAC), Office of Global Engagement (OGE)

2020 – 2021: Chair, Research and Scholarship Committee, IAC, OGE

6/20-10/20: Member, COVID-19 Research Recovery Committee, Office for the Vice Chancellor for Health Research

Boston University, Campus Level

2004 – 2006: Elected Representative of the School of Medicine, Boston University Faculty Council

2004 – 2006: Member, Equity and Inclusion Committee, Boston University

DEPARTMENTAL SERVICE: *Division of Epidemiology, University of Illinois at Chicago*

2006 – 2016: Member, Curriculum Committee

2006 – 2008: Co-Director, Student Epidemiology Corps

2008 – 2009: Co-Chair, MPH Admissions Committee

2010 – 2011: Member, Search Committee, Division Director for Epidemiology & Biostatistics

2011 – 2016: Faculty Sponsor, Epidemiology & Biostatistics Journal Club (Student Group)
2012 – 2013: Member, Search Committee, Tenured/Tenure-Track Faculty of Biostatistics
2014 – 2015: Member, Search Committee, Clinical Assistant Professor of Biostatistics
2018 – 2018: Chair, Search Committee, Assistant Professor of Epidemiology (cancelled search)
2019 – 2020: Member, Search Committee, Open Rank Tenured/Tenure-Track, Faculty of Epidemiology in Maternal and Child Health

CURRENT GRANTS

Agency: NIH, NICHD (R01HD106822)
Title: Increased risk of STI and HIV among adolescent girls and young women due to COVID-19 and pandemic mitigation: Biological, behavioral, and psychosocial mediators
PI: SD Mehta - PI **Dates:** 9/16/21 – 8/31/25
Goal: The goal is to study the socioeconomic, behavioral, and psychosocial impacts of COVID-19 pandemic and mitigation on adolescent girls in rural Kenya, and relation to risk for sexually transmitted infections and HIV.

Agency: NIH, NICHD (R01HD093780)
Title: Menstrual cups, maturation of the adolescent vaginal microbiome, and STI/HIV risk
PI: SD Mehta **Dates:** 12/27/17 – 11/30/22
Goal: We propose to study the mechanisms by which menstrual cup use leads to reduced BV and STIs, and the effect of menstrual cup use on evolution of the adolescent vaginal microbiome.
Role: Dr. Mehta serves as PI for this award.

Agency: Department of Defense, Global Emerging Infections Surveillance (ProMIS ID: P0115_19_HS)
Title: Integrating molecular and microbiologic surveillance for antimicrobial resistant *N. gonorrhoeae* for more effective containment in Kisumu, Kenya
PI: E Garges **Dates:** Sept 2019 – Aug 2022
Goal: The goal of this study is to implement and conduct systematic surveillance of *N. gonorrhoeae* and antimicrobial resistance using traditional microbiologic and molecular approaches.
Role: Dr. Mehta serves as PI for the sub-contract

Agency: Ducchossois Family Institute, University of Chicago
Title: Evaluating the Capacity of Penile and Rectal Microbiomes to Predict Sexual Partnerships among MSM
PI: J Schneider **Dates:** 2019 – 2022
Goal: The goal of this study is to measure the penile and rectal microbiomes and identify highly correlated taxa, concordance of overall microbiome structure, association with sexual practices, and association with mucosal inflammation as an indicator of disease susceptibility among MSM couples in Kisumu, Kenya.
Role: Dr. Mehta serves as PI for the sub-contract

Agency: NIH, NCI and Fogarty International Center (D43TW009575)
Title: The Northwestern/Nigeria Research Training Program in HIV and Malignancies
PI: R Murphy, L Hou **Dates:** Apr 2019 – Mar 2024
Goal: This renewal Fogarty HIV Research Training Program for LMICs proposal will further enhance capacity to conduct large population-based HIV-malignancy research in Nigeria by training researchers focused on cancer molecular biomarker studies at the population level.
Role: Dr. Mehta serves as PI for the sub-contract of this training grant

Agency: NIH, Fogarty International Center (K43TW011416)
Title: Vaginal microbiome in cervical intraepithelial neoplasia and cancer
PI: J Musa **Date:** Jul 2019 – Jun 2024
Goal: This K43 career development award is to acquire theoretical and experiential skills to design and conduct microbiome studies in cervical and related cancers in Nigeria.
Role: Dr. Mehta serves as Co-Mentor for this career development award

SUBMITTED GRANTS

Agency: NIH, NIAID (October 4, 2021)
Title: Single arm trial of menstrual cups among economically vulnerable women to reduce Bacterial vaginosis and STIs through reduced harmful sexual and menstrual practices
PI: SD Mehta **Dates:** 7/1/22 – 6/30/27
Goal: This single-arm interventional trial seeks to evaluate the preliminary efficacy of menstrual cups on non-optimal vaginal microbiome (VMB), BV, and STIs of economically vulnerable women at high risk for STIs and HIV, assess safety profile, and understand implementation needs.
Role: Dr. Mehta serves as PI for this award.

Agency: NIH, NIAID (November 2, 2021)
Title: Analytical methods for improved prediction of disease and understanding of causal relationships using longitudinal, paired microbiome-to-microbiome data
PI: SD Mehta (MPI), Bhaumik D (contact MPI) **Dates:** 7/1/22 – 6/30/27
Goal: This project seeks to develop innovative approaches for paired, longitudinal microbiome analyses – specifically regarding interaction and mediation – in relation to count and binary outcomes.
Role: Dr. Mehta serves as MPI for this award.

COMPLETED GRANTS

Agency: NIH, NIAID, Division of Microbiology and Infectious Disease (R01AI110369)
Title: The effect of the penile microbiome on BV, GUD, and genital epithelial trauma
PI: SD Mehta **Dates:** 8/1/13 – 7/31/20
Goal: Using bacterial 16S rRNA gene pyrosequencing to characterize the genital microflora, we

will determine how penile bacteria increase risk of Bacterial vaginosis, genital ulcer disease, and genital epithelial trauma, and behavioral and biological factors influencing these associations.

Role: Dr. Mehta serves as PI for this award.

Agency: NIH, NIAID, Division of Microbiology and Infectious Disease (4R01AI110369)

Title: The effect of the penile microbiome on BV, GUD, and genital epithelial trauma; Administrative Supplements for Research on Sexual and Gender Minority (SGM) Populations (Admin Supp)

PI: SD Mehta

Dates: 8/1/16 – 7/31/20

Goal: By extending Specific Aims from our current R01 to a sample of MSM in the same geographic locale, we will be able to estimate how penile and rectal bacterial community structure in MSM relates to HIV and STI risk.

Role: Dr. Mehta serves as PI for this award.

Agency: STD-AAPPS Grant, Centers for Disease Control and Prevention, Division of STD Prevention (NH25PS004341), by way of Chicago Department of Public Health

Title: Enhanced Gonorrhea Surveillance Activities

PI: SD Mehta

Dates: 9/1/17 – 12/31/17 and
9/1/18 – 12/31/18

Goal: The overall goal is to conduct enhanced surveillance of 550 confirmed gonorrhea cases in Chicago, including additional evaluation of provider and case behavioral data.

Role: Dr. Mehta served as PI for this award.

Agency: Centers for Disease Control and Prevention; Cooperative Agreement FOA 12-008 (Award 000762)

Title: Expanding Test and Treat and PrEP for HIV Prevention in Men who have sex with men in Kenya

PI: RC Bailey

Dates: 3/15/14 – 9/29/18

Goal: The goal of this project is to identify and test 700 MSM, to assess the success of a comprehensive package of FTLR interventions delivered to HIV-infected MSM, to retain those who test negative in a peer-led behavioral risk reduction program, and to integrate and assess PrEP acceptance, adherence, and risk compensation.

Role: Dr. Mehta served as Co-Investigator for this award.

Agency: STD-AAPPS Grant (NH25PS004341-03-02), Centers for Disease Control and Prevention, Division of STD Prevention, by way of Chicago Department of Public Health

Title: Enhanced Gonorrhea Surveillance Activities

PI: SD Mehta

Dates: 9/1/17 – 12/31/17

Goal: The overall goal was to conduct enhanced surveillance of 550 confirmed gonorrhea cases in Chicago, including evaluation of provider and case behavioral data.

Role: Dr. Mehta served as PI for this award.

Agency: NIH, National Institute of Allergic and Infectious Diseases (R01AI099953)

- Title:** Integration of infant male circumcision with community health services
PI: RC Bailey **Dates:** 4/15/12 – 9/30/17
Goal: This study was a simultaneous, prospective comparison of two models of infant male circumcision service delivery that will guide the evidence-based implementation of IMC programming.
Role: Dr. Mehta served as Co-Investigator for this award.
- Agency:** Family Health International (B. & M. Gates Foundation) #47394
Title: The Male Circumcision Consortium
PI: RC Bailey **Dates:** 3/1/09 – 12/31/13
Goal: We evaluated the success of voluntary medical male circumcision scale up over a 5-year period via random household surveys.
Role: Statistician
- Agency:** NIH, National Institute of Allergic and Infectious Disease (P01AI082971)
Title: HIV Susceptibility and Pathogenesis in the Female Genital Tract
PI: A Landay (PI) **Dates:** 10/1/11 – 9/30/13
Pilot Title: Microbial diversity of genital ulcer disease among women in Kisumu, Kenya
Goal: We describe the bacterial community structure of GUD in women and whether that differs by STI etiologies, HIV status, male partner's circumcision status, and clinical presentation.
Role: Dr. Mehta served as PI for this pilot award.
- Agency:** NIH, National Institute of Allergic and Infectious Diseases (R56AI091428)
Title: HIV/STI outcomes from male circumcision in men and female partners: Kisumu, Kenya
PI: SD Mehta – PI, RC Bailey – PI **Dates:** 9/17/10 – 8/31/13
Goal: This bridge grant supported activities related to extending studies of genitourinary outcomes of male circumcision to female sex partners.
Role: Dr. Mehta served as Co-Principal Investigator for this award.
- Agency:** NIH, National Institute of Allergic and Infectious Diseases (3 U01 AI050440-09S1 ARRA)
Title: Randomized Controlled Trial Male Circumcision to Reduce HIV Incidence
PI: RC Bailey (PI) **Dates:** 9/17/09 – 8/31/12
Goal: This supplement supported activities led by Dr. Mehta regarding the effects of male circumcision on *Mycoplasma genitalium* and *Trichomonas vaginalis*, and studies of antimicrobial resistance.
Role: Dr. Mehta served as Co-Investigator for this award.
- Agency:** NIH, National Institute of Allergic and Infectious Diseases (U01AI050440)
Title: Randomized Controlled Trial of Male Circumcision to Reduce HIV incidence in Kisumu, Kenya
PI: RC Bailey (PI) **Dates:** 9/29/2001-7/31/2011
Goal: The aim of this randomized controlled trial was to determine whether male circumcision had a protective effect against HIV infection, and to assess safety and changes in sexual

behavior related to this intervention.

Role: Dr. Mehta served as Co-Investigator for this award (9/2006 – 7/31/2011)

Agency: NIH, National Institute of Allergic and Infectious Diseases (U01AI050440)

Title: Trial of Male Circumcision to Reduce HIV Incidence, Supplement

PI: RC Bailey

Dates: 9/1/07-8/31/09

Goal: This supplement led by Dr. Mehta supported pooled analyses of the three male circumcision trials in Kisumu (Kenya), Rakai (Uganda), and Orange Farm (South Africa).

Role: Dr. Mehta served as Co-investigator for this award

Agency: Chicago Developmental Center for AIDS Research (P30-AI082151)

PI: SD Mehta (PI)

Dates: 7/1/10 – 6/30/11

Pilot Title: Microbial Diversity of Genital Ulcers: Potential Causes and Mediators

Goal: This study examined the microbial diversity of genital ulcers and how this varied by men's circumcision status.

Role: Dr. Mehta served as PI for this pilot project

Agency: NIH, NIDA (R01DA17061)

PI: E Bernstein (PI)

Dates: 4/1/04-3/31/09

Title: Brief Intervention to Reduce STDs in ER Drug Users

Goal: This study evaluated the effectiveness of a brief motivational behavior change intervention on reducing STDs in drug users identified in the emergency department.

Role: Co-Investigator (4/1/04 - 6/30/06)

Agency: USDA/CSREES (MASR-2204-01797)

PI: H Bauchner (PI)

Dates: 12/1/04-11/30/08

Title: Assessment of Seasonal and Racial Variation in Vitamin D Deficiency of Newly Delivered Mothers and Infants in New England

Goal: This cross sectional study examined vitamin D status in an urban population of newly delivered women and newborns.

Role: Contractor

Agency: HRSA/MCHB (R40MC03620)

PI: H Bauchner (PI)

Dates: 9/1/04-8/31/07

Title: Seasonal and Racial Variation in Vitamin D Deficiency of Newborns and Their Mothers

Goal: The purpose of this study was to investigate the effect of race/ethnicity, skin color, lifestyle factors, and geography on vitamin D status and variance in newborns and their mothers.

Role: Collaborator

Agency: CDC/AAMC (MM-0835-05)

PI: P Geltman (PI)

Dates: 10/1/04-9/30/06

Title: Adherence with Iron Supplementation among High Risk Infants

Goal: This project was a randomized clinical trial of adherence with a new formulation of iron supplementation that has not previously been tested in the US.

Role: Statistician

Agency: Centers for Disease Control and Prevention (Cooperative Agreement R18/CCR120999)

PI: SD Mehta (PI) **Dates:** 9/30/01 – 9/29/04

Title: Routinely Recommended Emergency Department HIV and STD Testing

Goal: This project evaluated the uptake and outcomes of routinely recommended testing for STDs and HIV among adult and adolescent Emergency Department patients.

Role: Principal Investigator

PEER REVIEWED PUBLICATIONS

<http://www.ncbi.nlm.nih.gov/sites/myncbi/supriya.mehta.1/bibliography/48120321/public/?sort=date&direction=ascending>

Scopus Author ID: 7401670629

* Indicates graduate or post-graduate mentee; Primary Advisor.

+ Indicates graduate or post-graduate mentee; Committee Member.

1. Johnson SK, Bhaumik R, Nandi , Roy A, **Mehta SD**. “Is this herpes or syphilis?”: Latent Dirichlet allocation analysis of sexually transmitted disease-related Reddit posts during the COVID-19 pandemic. *Submitted for publication* February 14, 2022. *JMIR Public Health Surveillance*.
2. Graham SM, Okall DO, **Mehta SD**, Obondi E, Ng-ety G, Ochieng E, Jadwin-Cakmak L, Amico KR, Harper GW, Bailey RC, Otieno F. Challenges with PrEP Uptake, Adherence, and Retention among Gay, Bisexual, and Other Men Who Have Sex with Men in Kisumu, Kenya. *AIDS and Behavior*. Submitted December 25, 2021.
3. Wunsch N, Green SJ, Adam S, Hampton J, Phillips-Howard PA, **Mehta SD**. *In vitro* Study to Assess Effective Cleaning Techniques for Removing Staphylococcus aureus from Menstrual Cups. *Int J Environ Res Public Health* 2022;19:1450.
4. Zulaika G, Bulbarelli M, Nyothach E, van Eijk AM, Mason L, Fwaya E, Obor D, Kwaro D, Wang D, **Mehta SD**, Phillips-Howard P. Impact of COVID-19 lockdowns on adolescent pregnancy and school dropout among Kenyan secondary schoolgirls. *BMJ Global Health* 2022 Jan;7(1):e007666.
5. **Mehta SD**, Zulaika G, Otieno F, Nyothach E, Atingu W, Bhaumik R, Green SJ, van Eijk AM, Kwaro D, Phillips-Howard PA. High prevalence of *Lactobacillus crispatus* dominated vaginal microbiome among Kenyan secondary school girls: Negative effects of poor quality menstrual hygiene management and sexual activity. *Front Cell Infect Microbiol* 2021;11:716537. PMID: PMC8490761.
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