Curriculum Vitae

ENBAL SHACHAM

1. ADDRESS AND TELEPHONE NUMBER

OFFICE:
Saint Louis University
College for Public Health and Social Justice
Department of Behavioral Science and Health Equity; Department of Epidemiology and Biostatistics
3545 Lafayette Avenue
Salus Center, Room 315
St. Louis, MO 63104
Email: enbal.shacham@slu.edu

2. PRESENT POSITION

Professor
College for Public Health and Social Justice
Saint Louis University, St. Louis, Missouri

3. EDUCATION

	YEAR	DEGREE	MAJOR
a. Undergraduate:			
Rutgers University New Brunswick, New Jersey	1996	B.A.	Psychology
b. Graduate:			
University of Georgia College of Public Health Athens, Georgia	2000	M.Ed.	Health Promotion and Behavior
c. Postgraduate:			
Indiana University Bloomington, Indiana (Chair: Michael Reece, PhD, MPH)	2006	Ph.D.	Health Behavior
d. Graduate:			
Washington University School of Medicine St. Louis, Missouri	2008	MPE	Psychiatric Epidemiology

4. ACADEMIC POSITIONS/PUBLIC HEALTH EMPLOYMENT

March 2015-present **HRSA-funded St. Louis Regional Planning Council Support Office**
Principal investigator

April 2022-Present **Taylor Geospatial Institute**
Faculty Associate

April 2022-August 2023 **Taylor Geospatial Institute**
Acting Associate Director of Strategic Initiatives
Research Committee Member
Faculty Associate
Founding Co-Director of the Geospatial Institute, that is now endowed and named the Taylor Geospatial Institute

April 2022-present **Institute of Clinical and Translational Science**
Geospatial Health Data Analytic Core, Director
Consult health-related research projects to add geospatial component, identify complementary-nontraditional health-related data, conduct spatial analyses

May 2022-present **Saint Louis University, St. Louis, Missouri**
Saint Louis University Research Institute
Research Fellow

July 2022-Present **Saint Louis University, St. Louis, Missouri**
Associate Dean for Research
College for Public Health and Social Justice

July 2018-April 2022 **Saint Louis University, St. Louis, Missouri**
The Geospatial Institute
Associate Director
Secured initial funding from "Big Ideas" competition within the university with team of 2 other faculty members, that has grown to a total of $2.2 million investment from the university, prior to being named the Taylor Geospatial Institute.

August 2019-Present **Saint Louis University, St. Louis, Missouri**
College for Public Health and Social Justice
Department of Behavioral Science and Health Equity
Secondary appointment: Department of Epidemiology and Biostatistics
Professor

August 2013-June 2019 College for Public Health and Social Justice
Department of Behavioral Science and Health Equity
Secondary appointment: Department of Epidemiology and Biostatistics
Associate Professor

August 2011-June 2013 School of Public Health, St. Louis, Missouri
Department of Behavioral Science and Health Equity

Secondary appointment: Department of Epidemiology and Biostatistics
Assistant Professor

Washington University, St. Louis, MO
July 2009- George Warren Brown School of Social Work
August 2011 Research Assistant Professor
Institute of Public Health, Affiliated Scholar

Washington University School of Medicine, St. Louis, MO
July 2008- Research Instructor
June 2009 KL2 Career Development Award: "HIV infection: The role of psychiatric disorders, high risk behaviors, and neighborhood conditions"
Institute of Clinical and Translational Research (KL2RR024994)

Washington University School of Medicine, St. Louis, MO
2006-2008 Post-Doctoral Fellow
Training in drug abuse epidemiology, services and prevention research, National Institute on Drug Abuse (T32 DA07313, PI: Linda Cottler, PhD, MPH)

Moi University Teaching and Referral Hospital, Eldoret, Kenya
2005-2006 Project Coordinator. Psychological distress symptoms of individuals living with HIV in western Kenya (PI: Michael Reece, PhD, MPH)

Sexual Health Research Working Group
August 2003- Study Co-Investigator: Role of adult businesses in sexually transmitted infections
May 2006 within a community (PI: Michael Reece, PhD, MPH)

Indiana University, Bloomington, IN
2003-2006 Associate Instructor

Community-Academic Partnership with Positive Impact, Inc.
August 2003- Data Manager/Research Assistant: Georgia Comprehensive HIV/AIDS Mental
May 2006 Health Project, Substance Abuse and Mental Health Administration (PI: Michael Reece, PhD, MPH)

Centers for Disease Control and Prevention, Atlanta, GA.
2002- 2003 Health Communication Specialist

AID Atlanta, Inc., Atlanta, GA.
2000- 2002 Education and Volunteer Services Manager

University of Georgia, Athens, GA.
1998- 2000 Teaching Associate

5. RESEARCH SUPPORT

2022-2027 Washington University ICTS, Geospatial Health Data Analytics Core (PI: Shacham)

2022-2023 Taylor Geospatial Institute, Associate Director of Strategic Initiatives; (PI: Sagan, Co-I Shacham) developed and launched institute, Founding co-director of the geospatial institute a cross-interdisciplinary collaborative research effort to grow geospatial science and application across 8 institutions across the St. Louis region

2022-2023 Living Earth Initiative, "Modeling Crop Suitability and Climate Change in Kenya (Co-PI Shacham)

2020-2021 Inland Empire Health Plan, "Geospatial Determinants of Childhood Asthma" (PI: Shacham)

2018-present Geospatial Institute at SLU. Saint Louis University's Research Institute/ Office of Vice President of Research, (Co-PI: Shacham); Founding co-director of the geospatial institute a cross-interdisciplinary collaborative research effort to grow geospatial science and application across Saint Louis University

2017-present St. Louis City Department of Health, "St. Louis Regional HIV Planning Council Support Office" (PI: Enbal Shacham)

2019-2020 Evaluation of HIV services and impact in Missouri. Missouri Department of Health and Human Services/HHS (PI: Shacham)

2018-2019 President's Research Fund, Saint Louis University "Real-time Assessment of Alcohol Use and Stress Among College Students", (PI: Enbal Shacham)

2014-2017 NIH, "Using Ecological Momentary Assessment to Define Alcohol's Impact on HIV Outcomes" (PI: Enbal Shacham)

2013-2014 President's Research Fund, Saint Louis University "Improving Health by Urban Farming", (PI: Enbal Shacham)

2011-2014 CDC, "St. Louis Prevention Training Center"(Co-Investigator, PI: Bradley Stoner, MD, PhD)

2011-2015 AIDS United, "The BEACON Project" (Evaluator, Lead Agency: St. Louis Effort for AIDS)

2010-2012 NIH "Where to Intervene? Geospatial Variation of HIV Transmission Behaviors (1 R03 DA030875-01, PI: Enbal Shacham)

July 2008- KL2 Career Development Award, Institute of Clinical and Translational Research June 2011

Washington University School of Medicine "HIV infection: The role of psychiatric disorders, high risk behaviors, and neighborhood conditions (KL2RR024994, PI: Bradley Evanoff, MD)

2009-2010 Cancer Communication Developmental Research Program, "Measuring the Information Environment: Conceptualization, Measurement, and Validation" (2P50 CA095815, PI: Matthew Kreuter, PhD)

2008, 2010, 2012 NIH Health Disparities Loan Repayment Program, National Center on Minority Health and Health Disparities
Grant recipient

2005-2006 William L. Yarber Sexual Health Fellow, Indiana University, School of Health, Physical Education, and Recreation, Department of Applied Health Science

2005 Indiana University, University Graduate School, Research Grant-in-Aid, Psychological Distress Symptoms of Individuals Living with HIV/AIDS in Western Kenya

2005 Indiana University, School of Health, Physical Education, and Recreation Research Grant-in-Aid, Psychological Distress Symptoms of Individuals living with HIV/AIDS in Western Kenya.

2005-2006 Indiana University, University Fellowship, School of Health, Physical Education, and Recreation.

6. UNIVERSITY TEACHING EXPERIENCE

Graduate Courses Instructed Independently:

2020-present **Place and Health**, College for Public Health and Social Justice, Saint Louis University
2019 **Introduction to Global Health**, College for Public Health and Social Justice, Saint Louis University
2018 **Translating Evidence and Theory for Practice**, College for Public Health and Social Justice, Saint Louis University
2018-present **Applied Research Skills I: Primary Data Collection**, College for Public Health and Social Justice, Saint Louis University
2017 **Intervention Research**, Department of Behavioral Science and Health Education, College for Public Health and Social Justice, Saint Louis University
2016-2019 **Assessment, Intervention Development, and Evaluation I and II**, College for Public Health and Social Justice, Saint Louis University
2016-2020 **Professional Development for Doctoral Students**, College for Public Health and Social Justice, Saint Louis University
2011-2015 **Health Promotion Program Planning**, School of Public Health, Saint Louis University
2012-2014 **Research Methods in Behavioral Sciences**, School of Public Health, Saint Louis University
2008-2021 **Health Behavior Theory**, Master in Health Care Services, University College, Washington University School of Medicine
2003 -2006 **Practicum in College Health**, Indiana University

Graduate Courses Serving as a Co-Instructor

2004 **Human Disease and Prefvention**, Indiana University- Purdue University, Indianapolis
2004 **Program Management and Evaluation**, Moi University, Eldoret, Kenya

Undergraduate Courses Instructed:
2004 **Community Health**, Indiana University
2003-2006 **Human Sexuality**, Indiana University
2003-2006 **Practicum in College Health**, Indiana University
1998-2000 **Health and Wellness**, University of Georgia
1999 **Contemporary Issues in Health Promotion**: **AIDS and Society**, University of Georgia.

Courses Assisted:
2004 **Models and Theories of Public Health**, Indiana University
1999 **Contemporary Issues in Health Promotion: Sexual Behavior**, University of Georgia
1998 **Community Health**, University of Georgia

7. PROFESSIONAL SERVICE

Grant Peer-Review
2023 **NIH, HIV Intervention Sustainability Study Section**, panel member
2022 **NSF, PAPP Grant Review**, panel member
2022 **NIH, Health Promotion Study Section**, panel member
2019 **International AIDS Society**, Social and Behavioral Track Program Planner
2019-annually **NIH Loan Repayment Program: Health Disparities Research and Clinical Translation Research,** reviewer
2019-present **NIH LRP Ambassador**
2018 **NIH Ad-hoc Grant Review Committee: NIDA Avant Garde award**, member
2018 **NIH Ad-hoc Grant Review Committee: Research Using Technology to Inform Health Behavior Theory**, member
2017-2020 **Mid-America Transplant: Clinical Research Committee**, member
2014 **NIH NCI Ad-hoc Grant Review Committee: Measuring the Impact of Social Media and Health Behavior,** member
Spring 2008 **amfAR, The Foundation for AIDS Research,** Grant reviewer

2014- 2018 **Society for Prevention Research**, member
American Public Health Association, member
2000-current Member
2012-2013 HIV Section Program Chair
2007-2008 HIV Section Program Co-Chair
2012-2013 Social Determinants of Health Work Group Member
2009- current **International AIDS Society,** member
American Journal of Public Health, member

2006-present **Ad-hoc Peer Reviewer (***examples below***)**
Addiction
AIDS and Behavior
AIDS Patient Care & STDS

AIDS Care
American Journal of Public Health
BMC Public Health
Community Mental Health Journal
Preventive Medicine
Journal of the American Medical Association
Journal of Adolescent Health

Fall 2009-Present **Institute of Clinical and Translational Sciences**, Washington University
Member

Fall 2008-2011 **Institute of Public Health**, George Warren Brown School of Social Work, Washington University
Affiliated Scholar

2008-2010 **Indiana University-Moi University Social Science Research Network,**
Affiliated Scholar

7a. Dissertation Committees

2023-present Doctoral Dissertation Committee Member, Saint Louis University
Elaine Beulick

2022-2023 Doctoral Dissertation Committee Member, Saint Louis University
Chisom Obeizu-Umeh
Development and validation of a tool for assessing the sustainability of evidence-based HIV prevention interventions for young people in sub-Saharan Africa

2017-2022 **Doctoral Dissertation Committee Chair, Saint Louis University**
Stephen Scroggins
COVID-19 Infection Peak Analysis

2018-2021 **Doctoral Dissertation Committee Chair, Saint Louis University**
Matthew Ellis
The Relationship of LGBTQ+ Policy and Health Outcomes

2018-2021 **Doctoral Dissertation Committee Member, Saint Louis University**
Kemba Noel-London
Sports Diversity and Equity

2017-2020 **Doctoral Dissertation Committee Member, Saint Louis University**
Meera Muthukrishnan
HPV Vaccine Uptake among MSM with and without HIV Infection

2015-2016 **Doctoral Dissertation Committee Chair, Saint Louis University**
Amy Estlund
Depression Predictors of Negative Sexual and Mental Health Outcomes among Young Women in the Contraceptive Choice Project

2014-2017 **Doctoral Dissertation Committee Chair, Saint Louis University**
Julia Lopez
Analyzing the Impact of Medical Case Management on HIV-Related Health Outcomes

2012- 2013 **Master's Thesis Committee Member, Saint Louis University**
The Impact of Nutritional Education on Health Outcomes

2011-2012 **Doctoral Dissertation Committee Member, Indiana University**
Caroline Kingori
The Relationship of HIV-Related Stigma and Health Outcomes among People with HIV/AIDS in Nairobi, Kenya

Spring 2008 **Master of Public Health Thesis Committee Member**, Indiana University
Perceived HIV/AIDS-related stigma and psychological distress among people living with HIV/AIDS in western Kenya

Mentoring experiences

Lauren Schulte, MPH
Walter Orr, MPH
Jake Gilliand, MPH
Liannette Pappaterra, MPH
Adam Gilmore, MPH
Odiraa Okala, MPH
Erin Szopiak, MS
Max Holtz, MPH, MD
Julia Lopez, MPH, MSW
Bryce Takenaka, MPH
Tasnova Afroze, MBA
Sydney Grellner, MPH

Infectious Diseases Fellows:
Abyomi Agbebi, MD
Tosh Taniguch, MD
Nur Önen, MD
Diana Nurutdinova, MD
Kate Stamm, DO
Michael Donovan, MD
Veena Satyanarayana, MPH, PhD

2007- 2008 **American Psychopathological Association**
Member
Spring 2006 **Honor's Thesis Committee Member,** Indiana University
Role of psychological distress in HIV testing
Summer 2005 **Psychosocial Support Facilitators Training**
Moi University Teaching and Referral Hospital, Eldoret, Kenya
2003 **Sexual Health Working Group**
Focus Group Facilitator Trainer

8. HONORS AND AWARDS

2020 **College for Public Health and Social Justice, Research Award,** 1st place at the full professor level
2019 **Saint Louis University Research Award**, Honorable Mention
College for Public Health and Social Justice
2020 Annual Research Award, Professor
2017 **College for Public Health and Social Justice, Annual Research Award,** 1st place at the Associate Professor level
2016 **College for Public Health and Social Justice, Annual Research Award,** 1st place at the Associate Professor level
2015 **College for Public Health and Social Justice, Annual Research Award,** 1st place at the Associate Professor level
2014 **College for Public Health and Social Justice, Annual Research Award,** 1st place at the Associate Professor level
2013 **College for Public Health and Social Justice, Annual Research Award,** 1st place at the Assistant Professor level
2008 **NIH Summit: The Science of Eliminating Health Disparities**
Travel grant recipient
2008 **First Biennial Responsible Conduct of Research Education, Instruction and Training Conference**
Attendance scholarship
2008 **National Institute on Drug Abuse**
Director's Travel Award to attend the College on Problems of Drug Dependence
2000 **University of Georgia**
Outstanding Teaching Assistant Award

9. BIBLIOGRAPHY

a. Peer-reviewed

1. Reece M, McBride K, **Shacham E** & Williams B. Therapist's expectations of psychotherapy duration for individuals living with HIV. *Journal of HIV/AIDS and Social Services*. 2005;4(1),71-89. PMCID: PMC2929147; IF: 0.466.

2. Reece M, **Shacham E**, Monahan PO, Yebei V, Omollo O, Ong'or WO, Ojwang C. Psychological distress symptoms presented by individuals seeking HIV-related psychosocial support in western Kenya. *AIDS Care.* 2007; 19(10),1194-1200. PMID: 18071962; IF: 1.603.

3. Basta T, **Shacham E**, Reece M. Psychological distress and engagement in HIV-related services among individuals seeking mental health care. *AIDS Care*. 2008; 8:969-976. PMID: 18608061; IF: 1.603.

4. **Shacham E**, Basta T, Reece M. Psychological distress symptoms presented by African Americans seeking HIV-related mental health care. *AIDS Patient Care and STDs*. 2008; 22(5) 413-421. PMCID: PMC2928543; IF: 2.411.

5. **Shacham E**, Reece M, Monahan P, Ong'Or O, Omollo O, Ojwang C. Characteristics of individuals seeking psychosocial support group care in western Kenya. *AIDS Patient Care and STDs*. 2008:22(7) 595-601. PMCID: PMC2929147; IF: 2.411.

6. Overton ET, **Shacham E**, Singhatiraj E, Nurutdinova D. Incidence of STIs among HIV-infected women on depot medroxyprogesterone acetate. *Contraception*. 2008; 78:125-130. PMID: 18672113; IF: 2.724.

7. Basta T, Reece M, **Shacham E.** Psychological distress patterns of Latinos self-enrolling for HIV-related mental health care. *Journal of HIV/AIDS and Social Services*. 2008:7(2)157-174. PMCID: PMC2928543; IF: 0.466.

8. **Shacham E**, Reece M, Monahan P, Yebei V, Ong'Or O, Omollo O, Ojwang C. Measuring psychological distress symptoms in individuals living with HIV in western Kenya. *Journal of Mental Health.* 2008:17(4) 424-434. IF: 1.010.

9. **Shacham E**, Stamm K, Overton, ET. Can you hear me now? Limited use of technology among an urban HIV-infected cohort. *AIDS Care*. 2009: 21(8)1000-1006. PMCID: PMC3686818; IF: 1.603.

10. **Shacham E,** Basta T, Reece M. The relationship of sexual risk factors and psychological distress among HIV-infected individuals at a mental health clinic. *Journal of International Physicians in AIDS Care*. 2009: 8(2)93-99. PMID: 19264725; IF: 1.07.

11. Monahan PO, **Shacham E**, Reece M, Kroenke, K, Yebei V, Ong'Or O, Omollo O, Ojwang C. The validity and reliability of the PHQ-9 for measuring depression among Kenyans living with HIV. *Journal of General Internal Medicine.* 2009: 24(2)189-197. PMCID: PMC2629000; IF: 2.830.

12. Önen N F, Agbebi A, **Shacham E**, Stamm KE, Önen R A, Overton ET. Frailty among HIV-infected Persons in an Urban Outpatient Care Setting. *Journal of Infection*. 2009: 59(5)346-352. PMID: 19706308; IF: 4.126.

13. Önen N, **Shacham E**, Stamm K, Overton ET. Sexual behaviors and results of bacterial sexually transmitted infections testing among frail HIV-infected individuals. *Journal of International Physicians in AIDS Care.* 2010: 9(1) 30-3. PMCID: PMC3608415; IF: 1.07.

14. Basta T, **Shacham E**, Reece, M. Symptoms of Psychological Distress: A Comparison of Rural and Urban Individuals Enrolled in HIV-Related Mental Health Care. *AIDS Patient Care and STDs*. 2009: 23(12) 1053-1057. PMCID: PMC2859781; IF: 2.411.

15. **Shacham E**, Cottler L. Sexual behaviors among club drug users: prevalence and reliability. *Archives of Sexual Behavior*. 2010: 39(6) 1331-1341. PMCID: PMC3690200; IF: 3.525.

16. **Shacham E**, Nurutdinova D, Satyanarayana V, Stamm K, Overton, ET. Routine Screening for Depression: Identifying a Challenge for Successful HIV Care. *AIDS Patient Care and STDs*. 2009: 23(11) 949-955. PMCID: PMC2832649; IF: 2.411.

17. **Shacham E,** Reece M, Ong'Or O, Omollo O, Basta T. A cross-cultural comparison of psychological distress among individuals living with HIV in Atlanta, Georgia and Eldoret, Kenya. *Journal of International Physicians in AIDS Care*. 2010: 9,162-169. PMID: 20530470; IF: 1.07.

18. **Shacham E,** Agbebi A, Stamm, K, Overton ET. Alcohol consumption is associated with poor health in HIV clinic patient population: a behavioral surveillance study. *AIDS and Behavior.* 2011:15(1) 209-213. PMCID: PMC3621137; IF: 3.494.

19. Önen N, **Shacham E**, Stamm K, Overton ET**.** Comparisons of sexual behaviors and STD prevalence among older and younger individuals with HIV infection. *AIDS Care*, 2010: 22 (6) 711-717. PMCID: PMC3587156; IF: 1.603.

20. **Shacham E**, Nurutdinova D, Onen N, Stamm, K, Overton ET. (2010) The interplay of sociodemographic factors on medication adherence and virologic suppression among an outpatient HIV clinic population. *AIDS Patient Care and STDs*, 24(4) 229-235. PMCID: PMC2864061; IF: 2.411.

21. **Shacham E,** Hoffer L, Overton ET. Perceptions of Alcohol Risk Among Individuals Living with HIV. *AIDS Care*, 2011: 23(1) 107-112. PMCID: PMC3077954; IF: 1.603.

22. Nurutdinova D, Rao SB, **Shacham E**, Reno H, &. Overton ET. STD/HIV Risk among Adults in the Primary Care Setting: Are we adequately addressing our patients' needs? *Sexually Transmitted Diseases.*(2011) 38(1) 30-32. PMID: 20661176; IF: 2.873.

23. Taniguchi T, Onen N, Grubb J, Nurutdinova D, **Shacham E**, Donovan M, Overton ET (2011) Transmitted drug resistant HIV-1 remains prevalent and impacts virologic outcomes despite genotype-guided antiretroviral therapy. *AIDS Research and Human Retroviruses*. 2012: 28(3) 259-64. PMID: 21877906; IF: 2.246.

24. Onen N, Barrette, EP, **Shacham E**, Taniguchi T, Donovan M, Overton ET
A Review of Opioid Prescribing Practices and Associations with Repeat Opioid Prescriptions in a Contemporary Outpatient HIV Clinic. *Pain Practice*. 2012: 12(6):440-8. PMCID: PMC3943214; IF: 2.207.

25. **Shacham E**, Donovan M, Connolly S, Mayrose A, Scheuermann M, Overton ET (2012) Urban Farming: A Non-Traditional Intervention for HIV-Related Distress. *AIDS and Behavior*. 2012: 16(5) 1238-42. PMCID: PMC3604898; IF: 3.494.

26. Purnell JQ, Peppone LJ, McQueen A, Guido JJ, Carroll JK, **Shacham E**, Morrow GR. (2012) Perceived Discrimination, Psychological Distress, and Current Smoking Status: Results from the BRFSS Reactions to Race Module, 2004-2008, *American Journal of Public Health*. 2012: 102(5) 844-51. PMCID: PMC3483933; IF: 3.926.

27. Cancedda C, Eddens KS, Abedona O, Ravi R, **Shacham E**, Overton ET (2012). The Detrimental Effect of Adversity on HIV Outcomes in the Era of Combined Anti-Retroviral Therapy. *World Journal of AIDS 2012.* 2, 338-346. IF: 0.17

28. **Shacham E**, Small E, Onen NF, Stamm K, Overton ET. Serostatus Disclosure among Adults with HIV in the Era of HIV Therapy, *AIDS Patient Care and STDs.* (2012) 26(1) 29-35. PMCID: PMC3279708; IF: 2.411.

29. **Shacham E**, Morgan J, Onen NF, Taniguchi T, Donovan M, Overton ET. (2012) Screening for Anxiety in the HIV Clinic. *AIDS and Behavior*, 16(8) 2407-13. PMCID: PMC3623696; IF: 3.494.

30. Kingori C, Reece MD, Murray M, Obeng S, Dodge BM, **Shacham E**, Akach E, Ngatia P, Ojakaa D. (2012) Impact of Internalized Stigma on HIV Prevention Behaviors among HIV infected Individuals Seeking HIV Care in Kenya. *AIDS Patient Care & STDs, 26*(12) 761-8. PMID: 23113743; IF: 2.411.

31. Taniguchi T, Onen N, Grubb J, **Shacham E**, Donovan M, Overton ET. (2013) Efavirenz Outperforms Boosted Atazanavir among Treatment Naïve HIV-1-Infected Persons in Routine Clinical Care. *Journal of International Physicians in AIDS Care, 12*(2) 138-41. PMID: 23269514*;* IF: 1.07.

32. Kingori C, Reece M, Obeng S, Murray M, **Shacham E**, Ngatia P, Akach E, Dodge B, Ojakaa D. (2013). Psychometric evaluation of a cross-culturally adapted felt stigma questionnaire among people living with HIV in Kenya. *AIDS Patient Care & STDs*. 27(8) 481-8. PMID: 23968206.

33. **Shacham E**, Lian M, Onen NF, Donovan MF, Overton ET. (2013) Are Neighborhood Conditions Associated with HIV Management? *HIV Medicine.* 14 (10)624-32. PMID: 23890194.

34. McQueen A, **Shacham E**, Sumner W, Overton ET. (2013) Exploring Smoking Cessation Opportunities with Individuals Engaged in HIV Care. *American Journal of Health Behavior*. PMCID: PMC3964360.

35. Elder, K, Meret-Hanke, L., Dean, C., Wang, J, Wiltshire, J, Gilbert, K, **Shacham, E**, Barnidge, E, Baker, E., Wray, R., Moore, T. (2013) Men's Health: Disparities in Confidence to Manage Health. *International Journal of Men's Health*. 12(3). 260-75.

36. **Shacham E**, Godlonton S, Thornton R. (2014) Perceptions of Male Circumcision Among Married Couples in Rural Malawi. *Journal of International Physicians in AIDS Care.* 13 (5) 443-449. PMID: 24162614.

37. Taniguchi T, Shacham E, Onen N, Donovan M, Overton ET (2014) Depression severity is associated with increased risk behaviors and decreased CD4 cell counts. *AIDS Care*. 26(8)1004-12. PMCID:

38. **Shacham E**, Hipp JA, Scheuermann M, Onen N, Overton ET. (2015) Does Park Availability impact HIV Outcomes? *Journal of International Physicians in AIDS Care.* 14 (1) 8-11. PMID: 23995296.

39. Politi MC, Kapinghst KA, Kreuter M, **Shacham E**, Lovell MC, McBride T. (2014) Knowledge of Health Insurance Terminology and Details Among the Uninsured. *Medical Care Research and Review*. 71(1)85-98. PMID: 24163306; IF: 3.014

40. **Shacham E**, Rosenburg N*, Donovan M*, Onen N, Overton ET (2014). Persistent HIV-Related Stigma among an Outpatient US Clinic Population. *International Journal of STDs & HIV.* PMCID: PMC4232486.

41. Elder, K, Meret-Hanke, L., Dean, C., Wang, J, Wiltshire, J, Gilbert, K, **Shacham, E**, Barnidge, E, Baker, E., Wray, R., Moore, T. (2014). How do African American men rate their healthcare: An analysis of the Consumer Assessment of Health Plans 2003-2006. *American Journal of Men's Health.* PMID: 24785426.

42. **Shacham E**, Önen NF, Donovan MF*, Rosenburg N*, Overton ET. (2014) Prevalence of Psychiatric Disorders Among an HIV-Infected Clinic Population. *Journal of International Physicians in AIDS Care.* PMID: 25348798.

43. **Shacham E**, Thornton RL, Godlonton S, Murphy R, Gilliland J. (2015) Geospatial Analysis of Condom Availability and Accessibility in Urban Malawi. *International Journal of STDs & HIV*. 27(1) 44-50. PMID: 25681262.

44. Politi M; Kaphingst K; Liu J, Perkins H, Kreuter M, Furtado, K; **Shacham, E**, McBride T. A Randomized Trial Examining Three Strategies for Supporting Health Insurance Decisions Among the Uninsured. *Medical Decision Making*. 2016: 36(7) 911-22.

45. **Shacham E**, Nelson EJ, Schulte L, Bloomfield MS, Murphy R. Condom deserts: geographical disparities in condom availability and their relationship with rates of sexually transmitted infections. *Sexually Transmitted Infections*. 2016;92(3)194-9.

46. Nelson EJ, **Shacham E**, Boutwell BB, Rosenfeld R, Schootman M, Vaughn MG, Lewis R. (2015) Childhood Lead Exposure and Sexually Transmitted Infections: New Evidence. *Environmental Research*. 143. 131-137.

47. Politi MC, Barker A, Kaphingst KA, McBride T, **Shacham E,** Kebodeaux C. Show Me My Health Plans: A Study Protocol of a Randomized Trial Testing a Decision Support Tool for the Federal Health Insurance Marketplace in Missouri. BMC Health Services Research. (2016)16,55

48. **Shacham E**, Nelson EJ, Schulte L, Bloomfield MS, Murphy R. Geographic Disparities in Condom Availability and Accessibility. *AIDS and Behavior*. (2016) 20:2863-2872.

49. Schootman M, Nelson EJ, Werner, K, **Shacham E,** Elliott M, Ratnapradipa K, Lian M, McVay A. Emerging technologies to measure neighborhood conditions in public health: Implications for interventions and next steps. *International Journal of Health Geographics.* 2016 15:20.

50. Politi MC, Barker A, Kaphingst KA, McBride T, **Shacham E,** Kebodeaux C. Show Me My Health Plans: Using a Decision Aid to Improve Decisions in the Federal Health Insurance Marketplace in Missouri. *Public Health Faculty Publications.* 2016 Paper 5.

51. **Shacham E,** Nelson EJ, Hoft D, Schootman M, Garza A. Potential High Risk Areas for Transmission of the Zika Virus in the United States. *American Journal of Public Health*. 2017 (107),5, 724-731.

52. **Shacham E**, Estlund AK, Presti R. Challenges to HIV Management Among Youth Engaged in Care in an Outpatient Clinic. *AIDS Care*. 2017 Feb 29 (2) 189-196.

53. **Shacham E**, Lopez JD*, Önen NF, Overton ET. The Relationship of Social Support and Neighborhood Perceptions among Individuals with HIV. *Journal of the International Association of Providers of AIDS Care*. 2017 16(5)440-445.

54. **Shacham E**, Lopez J, Souza P, Overton T. Sexual Function among Individuals Engaged in HIV Care. *Journal of the International Association of Providers of AIDS Care*. 2017 Sept, 481-486.

55. Edward J, Mir N, Monti D, **Shacham E**, Politi M. Exploring Characteristics and Health Care Utilization Trends among Individuals who fall in the Health Insurance Assistance Gap in a Medicaid Non-Expansion State. *Policy, Politics, & Nursing Practice*. 2017Nov;18(4) 206-2014.

56. Lopez JD, **Shacham E,** Brown TM. Suicidal Ideation Persists Among Individuals Engaged in HIV Care in the Era of Antiretroviral Therapy. *AIDS and Behavior*. 2018. 22(3) 800-805.

57. **Shacham E**, Lopez JD, Brown TM, Tippit K, Ritz A. Enhancing Adherence to Care in the HIV Care Continuum: The Barrier Elimination and Care Navigation (BEACON) Project Evaluation. *AIDS and Behavior*. 2018 22(1) 258-264.

58. Sebert- Kuhlmann A, Peters Bergquist E, Quiang Fu, **Shacham E**, Foggia J, Sierra M. Uptake of HIV testing during antenatal care in Honduras. *International Journal of STD & AIDS.* 2018 May 29(6) 526-530..

59. Lopez J, **Shacham E,** Gilliland J, Szopiak E. (2018) Urban Farming: Innovative Interventions to Enhance Engagement in Care. *International Journal of STD & AIDS*. 2018. (29) 623-625.

60. Lopez J, **Shacham E**, Brown TM. The Impact of the Ryan White HIV/AIDS Medical Case Management Program on HIV Management: A Longitudinal Study. *AIDS and Behavior*. 2018 Sept;22(9) 3091-3099.

61. Politi MC, **Shacham E,** Barker A, George N, Mir N, Philpott S, Liu JE, Peters E. A Comparison Between Subjective and Objective methods of predicting Health Care Expenses to Support Consumers' health Insurance Plan Choice. *Medical Decision Making Policy& Practice.* 2018 Jan-Jun 3(1).

62. **Shacham E**, Loux T, Barnidge E K, Pappaterra L. Determinants of Organ Donation Registration. *American Journal of Transplantation*. 2018 18(11) 2798-2803.

63. **Shacham E**, Lew D, Xiao T, Lopez J, Trull T, Presti R. (2019) Testing the Feasibility of Using Ecological Momentary Assessment to Collect Real-Time Behavior and Mood to Predict Technology-Measured HIV Medication Adherence. *AIDS and Behavior.* In press.

64. McClure S, **Shacham E**, Gillespe E (2019) Multiple normative inputs and role performance demands as factors in physical activity engagement among African American women. *Journal of Health Disparities Research and Practice*. In press.

65. Loux T, Nelson E, Arnold L, **Shacham E**, Schootman M. (2019). Using multilevel regression with poststratification to obtain regional health estimates from a Facebook-recruited sample. *Annals of Epidemiology*. In press.

66. Lopez J, Shacham E, Brown TM. The Impact of Clinic Policy Attendance and the Ryan White HIV/AIDS Medical Case Management Program. 2020 Apr;24(4):1161-1169.

67. Wiemken TL, **Shacham E**. (2020) Identifying potential undocumented COVID-19 using publicly reported influenza-like-illness and laboratory-confirmed influenza disease in the United States: An approach to syndromic surveillance? *American Journal of Infection Control.* In Press.

68. Scroggins S, **Shacham E**. (2020). What a difference a drink makes: determining associations between alcohol use patterns and condom utilization among adolescents. *Alcohol and Alcoholism.*

69. Scroggins S, **Shacham E**, Montera N. Integrating Mental Health Care Services Into HIV Comprehensive Care. *American Journal of Managed Care.* 2020;26(8).

70. Wang HL, Sun J, Qian ZM, Gong, Zhong JB, Yang RD, Wan CL, Zhang SQ, Ning ZM, Xian H, Chang JJ, Wang CJ, **Shacham, E**, Wang,JQ, Lin HL. Association between Air Pollution and Atopic Dermatitis in Guangzhou, China: Modification by Age and Season. *British Journal of Dermatology*. 2020. In press.

71. Lopez J, Duncan A, **Shacham E**, McKay V. (2020). Disparities in Health Behaviors and Outcomes at the Intersection of Race and Sexual Identity among Women: Results from the 2011-2016 National Health and Nutrition Examination Survey. *Preventive Medicine*. In press.

72. Melin K, Zhang C, Zapata JP, Rivera J M, Fernandez K, **Shacham E**, Malavé-Rivera S, Rodriguez-Diaz CE. (2021) Factors Associated with Intention to Vaccinate against COVID-19 in Puerto Rico. *International Journal of Environmental Research and Public Health*. In press.

73. Scroggins S, Ellis, Nagendra, S, **Shacham E** (2021). Identifying risk inequity among same-sex households during COVID-19 mitigation. *Annals of LGBTQ Public and Population Health*. In press.

74. Hassert M, Steffen TL, Scroggins S, Coleman AK, **Shacham E**, Brien JD, Pinto AK. (2021). Prior Heterologous Flavivirus Exposure Results in Reduced Pathogenesis in a Mouse Model of Zika Virus Infection. *Virology*.

75. Lew D, Xian H, Loux T, **Shacham E**, Scharff D. (2022) The longitudinal impact of maternal depression and neighborhood social context on adolescent mental health. *Frontiers in Pediatrics.* In press.

76. **Shacham E,** Scroggins S, Little G, Fredman A, Ritter G. A Spatial Examination of COVID-19 Policies among Missouri School Districts. *Journal of School Health*. 2023. 93 (3) 169-175.

77. Muthukrishnan M, Loux T, **Shacham E**, Tiro JA, Arnold LD. (2022) Barriers to human papillomavirus (HPV) vaccination among young adults, aged 18–35. Preventive Medicine Reports 29, 101942.

78. Ellis, MS, Kasper ZA, Takenaka B, Buttram, ME, **Shacham E**. (2023). Associations of Transactional Sex and Sexually Transmitted Infections Among Treatment-Seeking Individuals With Opioid Use Disorder. *American Journal of Preventive Medicine*.

79. Scroggins S, Goodson J, Afroze T, **Shacham E**. (2023). Spatial Optimization to Improve COVID-19 Vaccine Allocation, *Vaccines*. 2023, **11**(1), 64; https://doi.org/10.3390/vaccines11010064

80. Lawrence, T. J., Vilbig, J.M., Kangogo, G., Fèvre, E.M., Deem, S.L., Gluecks, I., Sagan, V., and **Shacham, E**. (2023). Shifting climate zones and expanding tropical and arid climate regions across Kenya (1980-2020): regional change with global implications. *Regional Environmental Change*. In press.

81. Lawrence T, Vilbig J, Kangogo G, Fèvre E, Deem S, Gluecks I, Sagan V, **Shacham E**. (2023). Spatial changes to climatic suitability and availability of agropastoral farming systems across Kenya (1980-2020). *Outlook on Agriculture*. In press.

82. Rozier M, Scroggins S, Loux T, **Shacham E**. (2023) Personal Location as Health-Related Data: Public Knowledge, Public Concern, and Personal Action. *Value Health*. S1098-3015(23)02614-

83. **Shacham E**, Scroggins S, Ellis M. Implementing Geospatial Science and Technology to Get to Zero New HIV Infections. *Current HIV/AIDS Reports*. (2023) 20(3):139-147.

84. Banks DE, Scroggins S, Paschke ME, **Shacham E,** Nance M, Cavazos-Rehg P, Winograd RP. (2023) Examining Increasing Racial Inequities in Opioid Overdose Deaths: a Spatiotemporal Analysis of Black and White Decedents in St. Louis, Missouri, 2011–2021 *Journal of Urban Health*. In press.

85. Wisch JK, Babulal GM, Petersen K, Millar PR, **Shacham E**, Scroggins E, Boerwinkle AH, Flores S, Keefe S, Gordon BA, Morris JC, Ances BM. (2023) A practitioner's guide to geospatial analysis in a neuroimaging context. *Alzheimer's & Dementia: Diagnosis, Assessment & Disease Monitoring*.

86. Scroggins S, Ellis M, Little G, Okala O, **Shacham E** (2023). Nursing Home Staff Vaccination Rates and the Impact on Infection Rates. *Journal of Public Health Management and Practice*. In Press.

87. Nazal M, Lentene K, Schnitzler M., **Shacham E**, Caliskan Y. (2023) The Effect of a Merit Point Incentive System on the Willingness to Donate Organs. *Transplantation Proceedings*. In press.

88. Lawrence, T. J., Takenaka, B.P., Garg, A., Tao, D., Deem, S.L., Fèvre, E.M., Gluecks, I., Sagan, V., and **Shacham, E**. (2023). A global examnation of ecological niche modeling to predict emerging infectious diseases: a systematic review. *Frontiers in Public Health – Planetary Health*. Accepted October 16, 2023.

89. Scroggins S, Ellis M, Little G, Okala O, **Shacham E**. (2023) The Relationship of Vaccine Uptake and COVID-19 Infections Among Nursing Home Staff and Residents in Missouri: A Measure of Risk by Community Mobility**.** *Journal of Public Health Management and Practice.* In press.

90. **Shacham E**, Scroggins S, Ellis M (2023). Employment as a Contributor to COVID-19 Inequity. Under review.

91. Noel-London KC, **Shacham E**, Belue R. (2022) Sport Diversity for BiPOC youth: Examining Spatial Limitations in Interscholastic Sports in St. Louis. Under review.

b. Book Chapters

1. Basta T, Reece M, **Shacham E,** & Davies G. (in press). Positive Impact: A Community-Based Participatory Approach to Increase Mental Health among Individuals Living with HIV/AIDS. In L. Harter, J. Hamel-Lambert, & J. Millesen (Eds.) Participatory Partnerships for Social Action and Research. Dubuque: Kendall Hunt.

c. Invited submissions

1. Reece M, Herbenick D, **Shacham E**, & Sherwood-Puzzello C. (2005). The U.S. adult retail industry: A viable partner for HIV and STD prevention? Health Education Monograph. 2005;22(3), 29-35.

10. REFERRED RESEARCH PRESENTATIONS

1. Reece M, **Shacham E**. (2000) Maintenance of low-risk sexual behaviors among people living with HIV. Presented at the American Public Health Association Annual Meeting, Boston, Massachusetts.

2. **Shacham E.** (2001) Assessment of Youth Outreach HIV/STD Prevention Programs. Presented at the US Centers for Disease Control and Prevention, American Public Health Association Annual Meeting, Boston, Massachusetts.

3. **Shacham E.** (2001) Challenges of Youth Outreach Prevention Programs. Presented at the American Public Health Association Annual Meeting, Atlanta, Georgia.

4. **Shacham E**. (2002) CDC's Youth Media Campaign's Formative Research Findings. Presented at the American Public Health Association Annual Meeting, Philadelphia, Pennsylvania.

5. **Shacham E**, Reece M, Plate P. (2003) Collaborative relationships between Community Based Organizations and Academic Institutions. Presented at the American Public Health Association Annual Meeting, San Francisco, California.

6. Reece M, Herbenick D, **Shacham E.** (2004) Advancing sexual health in the United States: Exploring the roles of the adult retail industry. Presented at the International Academy of Sex Research Annual Meeting, Helsinki, Finland.

7. **Shacham E**, Reece M, Basta T. (2004) Patterns of HIV disclosure among African-Americans enrolled in a disclosure notification education program. Presented at the American Public Health Association Annual Meeting, Washington, D.C.

8. Reece M, **Shacham E**, Basta T, Plate P. (2004) A retrospective analysis of psychological distress symptoms presented by clients self-enrolling into HIV-related mental health care over a ten year period. Presented at the American Public Health Association Annual Meeting, Washington, D.C.

9. Basta T, Reece M, **Shacham E**, Plate P. (2004) Psychological distress patterns of Latinos accessing HIV-related mental health care. Presented at the American Public Health Association Annual Meeting, Washington, D.C.

10. Tanner A, Reece M, **Shacham E**, Dodge B. (2004) Characteristics of masturbation among young adults: implications for sexual health. Presented at the Society for the Scientific Study of Sexuality Annual Meeting, Orlando, Florida.

11. **Shacham E**, Reece M, Herbenick D, Lieb A. (2004) Adult retail store management readiness to contribute to community sexual health. Presented at the Society for the Scientific Study of Sexuality Annual Meeting, Orlando, Florida.

12. Basta T, Reece M, **Shacham E.** (2005) Psychological distress patterns among Latinos: Implications for providers. Presented at the Rural Conference on HIV/AIDS Prevention Biannual Meeting, Bloomington, Indiana.

13. Shacham E, Reece M, Basta T. (2005) Psychological distress symptoms of individuals presenting at an urban mental health HIV clinic. Presented at the Rural Conference on HIV/AIDS Prevention Biannual Meeting, Bloomington, Indiana.

14. Mcbride K, Reece M, Basta T, **Shacham E.** (2005) Sexual Compulsivity: At the intersection of public health and mental health. Presented at the Indiana Public Health Association Annual Meeting, Bloomington, Indiana.

15. **Shacham E**, Shim J, Paul B. (2005) Effects of pornography on attitudes and sexual behaviors. Presented at the Indiana Public Health Association Annual Meeting, Bloomington, Indiana.

16. **Shacham E,** Paul B. (2005) The secondary effects of adult entertainment venues: An issue for public health?" Presented at the Indiana Public Health Association Annual Meeting, Bloomington, Indiana.

17. McBride K, Reece M, **Shacham E**, Basta T. (2005) Sexual compulsivity, psychological distress, and HIV risk behavior: Implications for prevention and care in a mental health setting. Presented at the American Public Health Association Annual Meeting, Philadelphia, Pennsylvania.

18. McBride K, Reece M, **Shacham E.** (2005) HIV-Related Mental Health Care for Ethnic Minority Populations: Expectations of Psychotherapy Duration. Presented at the American Public Health Association Annual Meeting, Philadelphia, Pennsylvania.

19. **Shacham E**, Reece M, Basta T. (2005) Psychological distress and perceived barriers to care among individuals living with HIV. Presented at the American Public Health Association Annual Meeting, Philadelphia, Pennsylvania.

20. **Shacham E,** Paul B. (2005) Public health impact of adult businesses. Presented at the American Public Health Association Annual Meeting, Philadelphia, Pennsylvania.

21. Omollo O, Ong'or O, Objeng C, Reece M, **Shacham E**, Yebei V, Monahan PO. (2006) Social, medical, and psychological characteristics of those seeking psychosocial support following HIV diagnosis in western Kenya. Presented at the Annual Meeting of the Kenya Medical Association, Eldoret, Kenya.

22. Ong'or O, Omollo O, Objeng C, Reece M, **Shacham E**, Yebei V, Monahan PO. (2006) Psychological distress among individuals seeking HIV-related treatment and psychosocial support in western Kenya. Presented at the Annual Meeting of the Kenya Medical Association, Eldoret, Kenya.

23. Reece M, Basta T, **Shacham E**, Plate P. (2006) Trends in HIV-related mental health care seeking over a 12-year period in the United States. Presented at the NIMH Annual International Research Conference on the Role of Families in Preventing and Adapting to HIV/AIDS, San Juan, Puerto Rico.

24. **Shacham E**, Reece M, Monahan P, Yebei YN, Omollo O, Ong'or O. (2006) Depressive symptomatology among individuals seeking HIV-related psychosocial support in Western Kenya. Presented at the NIMH Annual International Research Conference on the Role of Families in Preventing and Adapting to HIV/AIDS, San Juan, Puerto Rico.

25. Basta T, Reece M, **Shacham E.** (2006) Engaging families to support the HIV-related mental health needs of Latinos. Presented at the NIMH Annual International Research Conference on the Role of Families in Preventing and Adapting to HIV/AIDS, San Juan, Puerto Rico.

26. **Shacham E**, Reece M, Monahan P, Yebei YN, Owino Ong'or WD, Omollo O, Ojwang C. (2006) Characteristics of psychosocial support seeking following HIV diagnosis in western Kenya. Presented at the Annual Meeting of the American Public Health Association, Boston, Massachusetts.

27. **Shacham E**, Reece,M, Monahan P, Yebei YN, Omollo O, Owino Ong'or WD. (2006) Testing the validity and reliability of psychological distress symptom scales in a Kenyan context. Presented at the Annual Meeting of the American Public Health Association, Boston, Massachusetts.

28. Reece M, **Shacham E**, Monahan P, Yebei YN, Omollo O, Owino Ong'or WD, Ojwang C. (2006) Psychological distress among individuals seeking HIV-related treatment in western

Kenya. Presented at the Annual Meeting of the American Public Health Association, Boston, Massachusetts.

29. Alexander A, Basta T, **Shacham E**, Reece M. (2006) Intensity of engagement with the HIV care infrastructure among individuals seeking HIV-related mental health care. Presented at the Annual Meeting of the American Public Health Association, Boston, Massachusetts.

30. Basta T, Reece M, **Shacham E.** (2007) Psychological distress among African-Americans: Implications for providers. Presented at the National Conference on HIV/STD Prevention in Rural Communities, Bloomington, Indiana.

31. **Shacham E**, Cottler LB. (2007) Sexual risk factors: How reliable are they? Addiction, Infectious Disease and Public Health Conference, Johns Hopkins University, Bloomberg School of Public Health, Baltimore, Maryland.

32. **Shacham E,** Reece,M, Monahan P, Basta T. (2007). A cross-cultural comparison of psychological distress among individuals with HIV/AIDS. Presented at the Annual American Public Health Association Meeting, Washington, D.C.

33. Basta T, Reece M, **Shacham E.** (2007). Symptoms of psychological distress among African-Americans accessing HIV-related mental health services. Presented at the Annual American Public Health Association Meeting, Washington, D.C.

34. Rao SB, Overton ET, **Shacham E**, Reno H, & Nurutdinova D. (2007). Are we adequately addressing STD/HIV risk in the primary care setting? Presented at the Annual Infectious Disease Society of America, San Diego, California.

35. **Shacham E,** Cottler LB. (2008) Sexual risk factors: Rates and reliability. Presented at the College on Problems of Drug Dependence, San Juan, Puerto Rico.

36. **Shacham E**, Overton ET. (2008) Barriers to technology-based interventions among HIV-infected individuals. Presented at the International AIDS Conference, Mexico City, Mexico.

37. **Shacham E,** Overton ET. (2008) Perceptions of risks of alcohol use among an HIV-infected cohort. Presented at the Clinical Research Training Center Career Development Seminar Series, Washington University School of Medicine, St. Louis, Missouri.

38. Basta T, **Shacham E**, Reece, M. (2008). A comparison of psychological distress symptoms among rural and urban individuals living with HIV. Presented at the Annual Meeting of American Public Health Association, San Diego, California.

39. Reece M, Alexander A, **Shacham E,** Basta T. (2008). Trends in HIV-related psychological distress and care seeking over 10 year period. Presented at the Annual Meeting of American Public Health Association, San Diego, California.

40. **Shacham E**, Basta T, Reece M. (2008). Sexual risk factors among HIV-infected individuals presenting at a mental health clinic. Presented at the Annual Meeting of American Public Health Association, San Diego, California.

41. Alexander A, **Shacham E,** Basta T, Reece M. (2008). Psychological distress in HIV-affected persons self-enrolling in HIV-related mental health care. Presented at the Annual Meeting of American Public Health Association, San Diego, California.

42. Basta T, **Shacham E,** Reece M. (2008). A comparison of psychological distress symptoms among rural and urban individuals living with HIV. Presented at the Annual Meeting of American Public Health Association, San Diego, California.

43. **Shacham E**, Stamm K, Overton ET. (2008). Predictors of self-reported medication adherence among an outpatient HIV clinic population. Presented at the NIH Summit - The Science of Eliminating Health Disparities, Washington, DC.

44. Agbebi A, Onen N, Nurutdinova D, **Shacham E**, Stamm K, Overton T. HIV-Associated Neurocognitive Impairment Remains Prevalent in the Era of HAART. Presented at the Infectious Diseases Society of America, 2009. Philadelphia, PA.

45. **Shacham E**, Stamm K, Overton ET. (2009) The interplay of sociodemographic factors on medication adherence and virologic suppression among an outpatient HIV clinic population. Presented at the International Conference on HIV Treatment Adherence, Miami, Florida.

46. **Shacham E**, Nururtdinova D, Satyanarayana V, Overton, ET (2009) Depression as a Determinant of Medication Adherence. Presented at the National HIV Prevention Conference, Atlanta, Georgia.

47. **Shacham E**, Nururtdinova D, Satyanarayana V, Overton, ET (2009) Routine Screening for Depression: Identifying a Challenge for Successful HIV Care. Presented at the American Public Health Association Conference, Philadelphia, Pennsylvania.

48. Basta T, **Shacham E**, & Reece M. (2009). Symptoms of psychological distress and sexual orientation: A comparison between LGBT and heterosexual individuals living with HIV/AIDS who self-enrolled in HIV-related mental health care. Presented at the American Public Health Association's Annual Meeting in Philadelphia, Pennsylvania.

49. Nurutdinova D, Chrusciel T, Overton T, **Shacham E**, Zeringue A, McDonald J. (2010) Antiretroviral Adherence in a National Sample of HIV-infected Veterans with Psychiatric Comorbidities. Presented at the 5th International Conference on HIV Treatment Adherence. Miami, FL.

50. **Shacham E**, Donovan M, Souza P, Onen N, Overton ET. A Comparison of Sexual Functioning Between Persons with and without HIV Infection Illustrates the Need for Expanded Prevention Efforts. Presented at the 18th International AIDS Conference. Vienna, 18-23 July 2010.

51. **Shacham E**, Onen N, Souza P, Donovan M, Overton ET. Factors Associated with Sexual Functioning Among Individuals with HIV Infection. Presented at the APHA 138th Annual Meeting & Expo. Denver, CO, November 6-10, 2010.

52. Small E, **Shacham E**, Onen N, Donovan M, Overton ET. Serostatus Disclosure Among Adults with HIV: Patterns and Predictors and Implications for Targeted HIV Policy and Practices. Presented at the Society for Social Work and Research. Tampa, FL, January 12-16, 2011.

53. Morgan J, **Shacham E**, Onen N, Taniguchi T, Donovan M, Overton ET. Integrating Mental Health Screenings into Practice: The Need to Address Anxiety in HIV Care. Presented at the APHA 139th Annual Meeting & Expo. Washington DC, October 29-November 2, 2011.

54. Kingori C, Ngatia P, Akach E, Ojakaa D, **Shacham E**, Obeng S, Murray M, Dodge BM, Reece MD, Psychometric assessment of an HIV stigma instrument among HIV infected individuals in Nairobi Kenya. Presented at the Eastern/Midcontinent Regional Joint meeting of the Society for the Scientific Study of Sexuality. Bloomington, IN, May 17-20. 2012.

55. **Shacham E**, Lian M, Onen N, Overton ET. Do Neighborhoods Matter in HIV Management? Presented at the 7th International Conference on HIV Treatment and Prevention Adherence, Miami, FL, June 3-5, 2012.

56. **Shacham E**, Rosenburg N, Onen N, Overton ET. How Does HIV-Related Stigma Impact HIV Care in an Outpatient US Clinic Population? Presented at the XIX International AIDS Conference, Washington DC, July 22-27, 2012.

57. Elder K, Wang J, Wiltshire J, Gilbert K, **Shacham E**, Meret-Henke L, Barnidge E, Ahuja D, Baker EA. Men's Health: Health Information Seeking and its Impact on Health Care Visits. Presented at the APHA 140th Annual Meeting & Expo. San Francisco, California, October 27-31, 2012.

58. Elder K, Wang J, Wiltshire J, Gilbert K, **Shacham E**, Meret-Henke L, Barnidge E, Mooradian A, Baker EA. Men's Health: Disparties in Confidence to Manage Health. Presented at the APHA 140th Annual Meeting & Expo. San Francisco, California, October 27-31, 2012.

59. Kingori C, Reece MD, Murray M, Dodge BM, **Shacham E**, Ngatia P, Akach E, Ojakaa D. Psychometric evaluation of a Cross-Culturally Adapted HIV Felt Stigma Scale Among People with HIV in South-Central Kenya. Presented at the APHA 140th Annual Meeting & Expo. San Francisco, California, October 27-31, 2012.

60. Politi MC, Kapinghst KA, Kreuter M, **Shacham E**, Lovell MC, McBride T. Effective communication to improve decision making about health care plans. Presented at the Society for Behavioral Medicine Annual Meeting, New Orleans, Louisiana, April 11-14, 2013.

61. **Shacham E,** Schulte L, Murphy R, Bloomfield M. Identifying Disparities in Sexual Health Resources and their Impact on Sexually Transmitted Infections. Presented at APHA 141th Annual Meeting & Expo. Boston, Massachusetts, November 2-5, 2013.

62. **Shacham E,** Lian M, Presti R, Overton ET. How Does Neighborhood Impact Engagement in HIV-Related Risk Behaviors? Presented at APHA 141th Annual Meeting & Expo. Boston, Massachusetts, November 2-5, 2013.

63. Politi MC, Kapinghst KA, Kreuter M, **Shacham E**, Lovell MC, McBride T. Effective communication to improve decision making about health care plans. Presented at the 35th Annual Meeting of the Society of Medical Decision Making, Baltimore, Maryland, October 20-23, 2013.
64. Estlund A, **Shacham E,** Presti R. Sexually Transmitted Infections and Mental Health Issues Among Young Adults Receiving Care at an HIV Outpatient Clinic. Presented at the Graduate Student Symposium, Saint Louis University Saint Louis, Missouri, April 18, 2014.

65. **Shacham E**, Schulte L, Bloomfield M, Murphy R. How Do Neighborhood Resources Influence HIV Management? Presented at the Society for Prevention Research, Washington, D.C. May 2014.

66. **Shacham E**, Estlund AE, Presti R. Viral Suppression among Young Adults in a US Outpatient Clinic. Presented at the International Symposium on HIV and Emerging Infectious Diseases. Marseilles, France, May 2014.

67. **Shacham E**, Schulte L, Bloomfield M, Murphy R. Condom Deserts Vs. Condom Swamps: Availability and Accessibility of Condoms and Their Relationship to Sexually Transmitted Infections. Presented at the National STD Conference, Atlanta, Georgia, June 1014.

68. **Shacham E,** Estlund A, Gilliland J, Presti R. Sexually Transmitted Infections and Mental Health Issues Among Young Adults Receiving Care at an HIV Outpatient Clinic. Presented at the Annual American Public Health Association Meeting, New Orleans, Louisiana, November, 2014.

69. Politi M; Kaphingst K; Liu J, Perkins H, Kreuter M, Furtado, K; **Shacham, E**, McBride T. Presented at the A Randomized Trial Examining Ways to Improve Health Insurance Literacy Among the Uninsured. Society for Behavioral Medicine, San Antonio, Texas. April, 2015.

70. Lopez J, **Shacham E**, Presti R. Does suicidality continue to occur among individuals with HIV engaged in care in the era of antiretroviral therapy? Presented at the Annual American Public Health Association Meeting, Chicago, Illinois. November, 2015.

71. Lopez J, **Shacham E**, Szopiak E, Mattfeldt-Bemen M. Urban Farming as an Intervention to Address Psychological Distress Symptoms. Presented at the Annual American Public Health Association Meeting, Chicago, Illinois. November, 2015.

72. Schwach A, Nelson EJ, **Shacham E**, Peters-Berquist E. The geospatial relationship between poverty and salmonellosis. Presented at the NACCHO Annual 2016 Conference, Phoenix, Arizona July, 2016.

73. Politi M, Kuzemchak M, Liu J, Barker A, Peters E, Ubel PA, Kaphingst K, McBride T, Kreuter M, **Shacham E**, Philpott S. (2016) Show Me My Health Plans: A Decision Aid to Improve Decisions in the Health Insurance Marketplace. Presented at the Annual North American Meeting of the Society for Medical Decision Making.

74. **Shacham E**, Trull T, Presti R, Schootman M. (2016) Alcohol Use and Medication Adherence among Individuals with HIV. Presented at the 4th Annual Meeting on International Infectious Diseases and Tropical Medical, Quito, Ecuador.

75. **Shacham E**, Lopez, J,* Krupsky, K,*, Ritz, A,** Brown T**. "Enhancing adherence to care in the HIV care continuum." Presented at the Annual American Public Health Association Meeting, Denver, CO, October 30, 2016.

76. **Shacham E**, Nelson, E, Schootman, M, Garza, A. "Potential High Risk Areas for Zika Virus Transmission in the United States". Presented at the Annual STD Prevention Conference, Atlanta, GA September 22, 2016.

77. Lopez J, **Shacham E**. Looking Closer at Disparities in Mental Health and Health-Compromising Behaviors among Sexual Minority Women: Results from the 2011-2014 National Health and Nutritional Examination Survey. Presented at the Annual American Public Health Association Meeting, Atlanta, GA November 2017.

78. Ellis M, Cicero T, **Shacham E**. Substantial increases in methamphetamine use among a national sample of treatment-seeking opioid users. Presented at the Annual American Public Health Association Meeting, Atlanta, GA November 2017.

79. Koedbangkham, J, Lorenz RA, Thomas FP, Loux T, **Shacham E**. Presented at the Depression and Sleep Quality among Adults with Multiple Sclerosis, presented at MNRS 2018.

80. Scroggins S, **Shacham E,** November MR, Brown T, Bradley T. Who Needs What? Identifying Current needs by Sociodemographic Characteristics among Individuals with HIV in the St. Louis Region. Presented at the Annual National STD Prevention Conference, Washington DC, August 2018.

81. **Shacham E**, Lew D, Lopez J, Scroggins S, Xiao T, Trull T, Presti R. Real-Time Measurement of Alcohol Use among Individuals with HIV and its Relationship with Medication Adherence. Presented at the Annual National STD Prevention Conference, Washington DC, August 2018.

82. Scroggins S, **Shacham E,** November MR, Brown T, Bradley T. Impact of the Ryan White HIV/AIDS Medical Case Management Program on HIV Management: A Longitudinal Study. Presented at the Annual American Public Health Association Meeting, San Diego, CA November 2018.

83. **Shacham E**, Lew D, Lopez J, Scroggins S, Xiao T, Trull T, Presti R. Identifying Alcohol-Related Triggers of Delayed HIV Medication Doses Using Real-Time Data Collection. Presented at the Annual American Public Health Association Meeting, San Diego, CA November 2018.

84. Lopez J, **Shacham E**, Lew D, Scroggins S, Trull T, Presti R. Real-Time Alcohol Use and Mood among Individuals with HIV. Presented at the Annual Society for Behavioral Medicine Annual meeting. Washington, D.C. March 2019.

85. Scroggins S, Ellis M, Moore K, **Shacham E.** Religiosity among Nurse Practitioners as a Barrier to the Provision of PrEP. Presented at the National HIV Prevention Conference, Atlanta, Georgia March 2019.

86. Scroggins S, **Shacham E.** Routine Alcohol Assessment among Gay Men. Society for the Advancement of Sexual Health (SASH). October 2019.

87. Ellis M, Scroggins S, Moore K, **Shacham E**. The Role of Nurse Practitioners in the Provision of PrEP. Presented at the Biannual International AIDS Conference, Mexico City, Mexico, July 2019.

88. Ellis M, Scroggins S, Moore K, **Shacham E** Nurse Practitioners and the HIV epidemic: Gaps and opportunities for an increased role in HIV prevention through Pre-exposure Prophylaxis (PrEP). Presented at the Annual American Public Health Association Meeting, Philadelphia, PA, November 2019.

89. al-Juboori R, Nelson EJ, Arnold L, Schootman M, **Shacham E**. Role of Violent Crimes, Neighborhood and Individual Characteristics in Mental Health. Presented at the Annual American Public Health Association Meeting, Philadelphia, PA, November 2019.

90. Scroggins S & **Shacham E**. Multiple sources of influence associated with binge drinking among youth. Presented at the Annual American Public Health Association Meeting, Philadelphia, PA, November 2019.

91. **Shacham E,** Nagendra S, Scroggins S. Behavioral and Sociodemographic Differences in Sexually Transmitted Infection Rates Across Regional Planned Parenthood Clinics. Presented at the Annual American Public Health Association Meeting, Philadelphia, PA, November 2019.

92. Scroggins S & **Shacham E**. Screening for Alcohol Use among Gay Men. Presented at the Annual American Public Health Association Meeting, Philadelphia, PA, November 2019.

93. Smith, M. L., Coffey, T., Bergeron, C. D., **Shacham, E**. Goltz, H. H., & Boolani, A. (2019). *Sexually transmitted infection knowledge among older adults: Psychometrics and test-retest reliability*. Presented at the Gerontological Society of America Annual Meeting, November 13-17, 2019, Austin, TX.

94. al-Juboori, R, Ellis MS, **Shacham E**. Understanding the role of mental health in perpetrating violent acts: Depression substance use, and unmet need for mental health services. Presented at the American Public Health Association 2020 Annual Meeting and Expo. October 2020, virtual.

95. Scroggins S, **Shacham E**. Examining the geographical association of food inspection violations and health insurance status among neighborhoods. Presented at the Geospatial Gateway Forum, Geo-Resolution 2.0, October 2020. Virtual.

96. Scroggins S, **Shacham E**. Recession recovery: identifying inequities in eviction rates among African-American census blocks. Presented at the GEOINT Symposium, April 2020. Virtual.

97. Scroggins S, **Shacham E**. Environmental Risks Associated with Underage Drinking. Presented at the College on Problems of Drug Dependence (CPDD) Annual Meeting, June 2020. Virtual.

98. Scroggins S, **Shacham E**. Exploring Spatio-Temporal Associations in Sexually Transmitted Infections across Missouri Counties, 2009-2017. Presented at the Society for Prevention Research Annual Meeting. May 2020. Virtual.

99. Scroggins S, **Shacham E**. Inequities in Food Quality According to Location. Presented at the Geospatial Gateway Forum October 2020. Virtual.

100. Scroggins S, **Shacham E**. Geospatial Distinction Among Employment Status and COVID-19 rates. Presented at the Geospatial Gateway Forum October 2020. Virtual.

101. Scroggins S, **Shacham E**. Ellis M. Condom Utilization among Binge Drinking Adolescents. Presented at the American Public Health Association 2020 Annual Meeting and Expo. October 2020, virtual.

102. Scroggins S, **Shacham E**. Inequity in Recovery: Examining Evictions Post-Recession. Presented at the American Public Health Association 2020 Annual Meeting and Expo. October 2020, virtual.

103. Scroggins S, **Shacham E**. Geographic patterns of food inspection violations in a midwestern urban city. Presented at the American Public Health Association 2020 Annual Meeting and Expo. October 2020, virtual.

104. Ellis M, Kasper Z, Scroggins S, Cicero T, **Shacham E**. Low recency in HIV testing among injection opioid users seeking treatment: associated characteristics and implications for HIV prevention. 11th IAS Conference on HIV Science. International AIDS Society. July 2021

105. Ellis M, Kasper Z, Scroggins S, **Shacham E**. Low recency and gaps in HIV testing among treatment-seeking opioid users: Associated behaviors and implications for HIV prevention. Presented at the American Public Health Association 2021 Annual Meeting and Expo. October 2021, virtual.

106. Takenaka B, Scroggins S, Nagendra S, **Shacham E**. Sentiment and emotions of tweets regarding COVID-19 vaccination from a midwestern urban region. Presented at the American Public Health Association 2021 Annual Meeting and Expo. October 2021, virtual.

107. Scroggins S, **Shacham E**, Little G, Fredman A, Wray R, Charney R. Intent to vaccinate children against COVID-19: The intersection of trust and geography. Presented at the American Public Health Association 2021 Annual Meeting and Expo. October 2021, virtual.

108. Little G, Scroggins S, Wray R, and **Shacham E**. The role of racial consciousness in COVID-19 vaccine intention among African Americans. Presented at the American Public Health Association 2021 Annual Meeting and Expo. October 2021, virtual.

109. Noel-London K, **Shacham E**, and BeLue R. Disparities in sport opportunity and bipoc youth: Exploring interscholastic sport access. Presented at the American Public Health Association 2021 Annual Meeting and Expo. October 2021, virtual.

110. Scroggins S, Ritter G, **Shacham E** (2021) Data Save the Children: COVID-19 Mitigation Policy Among School Districts" Presnted at the GeoResolution Conference, Saint Louis, MO, September 2021.

111. Scroggins S, **Shacham E** (2021) Spatial Evaluation of COVID-19 Mitigation Policies, Presented at the Center for Health Economics and Policy. St. Louis, MO, June 2021.

112. Place and Time: Effective Delivery of Health Services for Those Living with HIV. Professional Fellows Speaker Series, U.S. State Department, Washington D.C., June 2021

113. **Shacham E**. Assessment of Mask Wearing to Prevent COVID-19, An Econometric Approach Institute for Vaccine Science and Policy, St. Louis, MO, Presented April 2021.

114. **Shacham E**. Implementation Science Panel: Social and Physical Environmental Barriers of Long-Acting ARV Adherence, Presented at Adherence 2022, Washington DC. November 2022.

115. Scroggins S, Little G, Ellis M, **Shacham E.** Staff Vaccinations and COVID-19 Prevalence among Nursing Home Residents presented at the Annual American Public Health Association Meeting, Boston, MA., November 2022.

116. Scroggins S, Gilmore A, **Shacham E**. Spatial Analyses of Underreporting of COVID-19-Related Mortality Across Missouri presented at the Annual American Public Health Association Meeting, Boston, MA., November 2022

117. Adams R, Grellner S; Umam S; **Shacham E**. Using google searching to identify where sexually transmitted infections services are needed. presented at the Annual American Public Health Association Meeting, Atlanta, GA November 2023.

118. Kangogo G, **Shacham E**, Prevalence and factors associated with HIV testing among sexually experienced high school students in U.S.A. presented at the Annual American Public Health Association Meeting, Atlanta, GA November 2023.

119. Ban A, **Shacham E**, Okala O, and Tiwar, Residential proximity of public housing units to major roadways in the United States a descriptive spatial analysis presented at the Annual American Public Health Association Meeting, Atlanta, GA November 2023.

11. **Selected Invited Speaking Engagements**

1. The Machines are Watching Us, Who is Watching the Machines? Geospatial Ethics Research and Working Group Talk, organized and moderated; January 2020
2. Using Machine Learning and Computer Vision to Combat Sex Trafficking; Geospatial Ethics Research and Working Group Talk, February 2020 organized.

3. Pandemic Power: Navigating Its Science, Politics, and Economics in St. Louis and Beyond, panelist at the Graduate School Washington University, June 2020
4. Predicting and Responding to Outbreaks during a Pandemic; Saint Louis University, Geospatial Institute-organized and moderated, June 2020
5. Ethics of Sharing Personal Geospatial Data During a Pandemic; organized and presented at Prepare.Ai August, 2020.
6. Ethics of Sharing Personal Geospatial Data; SLU Research Institute; organized and presented, September, 2020.
7. COVID-19 Public Health Response, St. Louis Science Center, panelist, September 2020.
8. Finding Immunity, Institute for Vaccine Science and Policy, Saint Louis University, Homecoming Alumni Talk, panelist September, 2020.
9. COVID-19 Vaccination Q&A with Science Center Members, January 2021
10. Geospatial Technology and Opportunities. Moderated discussion by Enbal Shacham with Dr. Chris Tucker (American Geographical Society), National Geospatial Speakers Series, January 2021,
11. Geospatial Health and COVID-19. Moderated discussion by Enbal Shacham with Drs. Este Geharty (Esri) and Alex Garza (SSM), National Geospatial Speakers Series, April 2021.
12. Panelist on the NSF Predictive Intelligence for Pandemic Prevention, June 2021
13. **Shacham E**, Engagement Scholarship Consortium 2021 Opening Plenary Session, AI and Community Engagement, Penn State University, September 2021
14. Geospatial Ethics Panel discussion, Geo-Resolution Conference, St. Louis, MO September 2021
15. **Shacham E,** 11th Annual Data Science and Informatics Symposium, Climate Change and Health Panel, University of Missouri, Columbia, April 2022
16. **Shacham E**. GeoResolution Conference, Moderator for Climate Change and Health Panel, St. Louis, MO, September 2022.
17. **Shacham E**, Intelligence Squared, "Agree to Disagree: Is It Time to End the COVID Emergency?"
18. **Shacham E**, Organ Donor Registration Patterns, Pitts Ethics Lectureship, Medical University of South Carolina, April 2023.
19. **Shacham E**, (panelist) How to Integrate Geospatial Science in Healthcare, presented at the Geospatial World Annual Meeting, Washington D.C., September 2023.
20. **Shacham E**, (panelist) Revitalizing the public health workforce: The impact of academic health department partnerships presented at the Annual American Public Health Association Meeting, Atlanta, GA November 2023.
21. **Shacham E.** (panelist) Public Health Goes Digital: Can disruptive technologies be the solution to the public health crisis? presented at the Annual American Public Health Association Meeting, Atlanta, GA November 2023.

11. Selected Recent Media Coverage, 2019-2022

1. Climate changes patterns and impact on communities in Kenya, April 2023
2. COVID-19 Death Rates and Policy Implications, St Louis Business Journal, April 2023
3. Sexually Transmitted Infections Rise in Region and Country, KMOV, September 2022
4. Sexually Transmitted Infections on the Rise, Riverfront Times, September 2022
5. COVID-19 Omicron Variant and Infection Rate Reduction by Location, *Wall Street Journal*, January 2022
6. COVID-19 Home Tests, *News Nation*, January 2022
7. COVID-19 Death Recording, *USA Today*, December2021.

8. COVID-19 Public Health Data and Limitations, *USA Today*, December 2021.
9. COVID-19 Vaccine and Infection, *St. Louis Post Dispatch*, December 2021.
10. COVID-19 Updates, *St. Louis Public Radio*, December 2021.
11. Nursing Home Residents and Staff and COVID-19, *St. Louis Post Dispatch*, September 2021
12. COVID-19 Vaccinations, Missouri Independent, October 2021
13. COVID-19 Vaccinations in Missouri, *St. Louis Post Dispatch*, July 2021
14. COVID-19 Herd Immunity. *St. Louis Post Dispatch*, February 2021
15. COVID-19 Vaccine Passports. *St. Louis Post Dispatch*, April 2021
16. COVID-19 Vaccines and Infection Rates, *News Nation* April 2021
17. COVID-19 Vaccine Hesitancy, *St. Louis Magazine*, March 2021
18. COVID-19 Herd Immunity, *St. Louis Magazine*, April 2021
19. COVID-19 Vaccine Passports, *KMOX*, April 2021
20. COVID-19 Mask Mandates, *Wall Street Journal*, February 2021
21. COVID-19 Rate Reduction and what it may mean, *St. Louis Post Dispatch*, January 2021
22. Effectiveness of Mask Mandates, *St. Louis Post Dispatch*, November 2020
    a. KMOV
    b. KMOX
    c. KTVI
    d. Riverfront Times
    e. KSDK
    f. St Louis Business Journal
23. COVID-19 status and planning, Living in St Louis, *Nine Network*, April 2020
24. COVID-19 Return to school planning, Living in St Louis, *Nine Network*, April 2020
25. This Expert's Advice for Waiting out the Winter, *St Louis Public Radio*, September 2020
26. St Louis Region Surpasses 1,500 Covid Deaths, *St Louis Public Radio* September 2020
27. St Louis Business Journal, How Saint Louis University Researchers are Addressing COVID-19, July 2020

St Louis Post Dispatch, multiple articles throughout March-September 2020

28. Hospitalizations for COVID-19 hit record spike in St. Louis area, June 2020
29. Missouri sees record-high number of new COVID-19 cases. Again. May 2020
30. Missouri's testing rate trails Illinois, but reflects different strategy, reality, May 2020
31. As communities push to reopen, questions loom about second wave of infections, May 2020
32. St. Louis researchers mobilize on new coronavirus, seeking treatments, answers, April 2020
33. As officials weather criticism, hospitals launch drive-thru coronavirus testing, online evaluations, April 2020
34. After coronavirus reaches St. Louis, businesses cancel travel, prep employees — and scrub, May 2020
35. Bayer closing Creve Coeur campus over concerns employee may have coronavirus, May 2020
36. On the job: professor's research seeks to shine light on health behaviors and access to care, *St Louis Post Dispatch,* July 2019
37. How professors from SLU's geospatial institute are turning their focus to COVID-19, Saint Louis Business Journal, April 2020
38. How long will social distancing last? Is it working?, KSDK March 2020
39. Was the St. Louis region prepared for a pandemic?, KSDK April 2020
40. As COVID cases soared in Missouri, more from southwest IL went to visit, data shows, August, 2020 Belleville News-Democrat

41. https://www.healthcaredive.com/news/dire-warnings-sound-over-hospital-capacity-as-novel-coronavirus-spreads/574049/
42. Geospatial Health and COVID-19, April, 2020/October 2020 *thestl.com*
43. COVID-19 with us for at least another year: Doctors, September 2020, *WBIR*
44. Geospatial sector growth in the region, April 2019, *St Louis Business Journal*
45. Geospatial Science and Application, April 2019, *KMOV*
46. Geo-Resolution Conference, *KMOV,* April 2019