

Michael A. Horberg, MD, MAS, FACP, FIDSA

Associate Medical Director

Areas of Responsibility: Research, Medical Education, Community Health, Medicaid, Genetics,
HIV & STI, LGBTQI+ Health, Complex Care Program, Infection Prevention

Director HIV and Sexually Transmitted Infections, Kaiser Permanente

Mid-Atlantic Permanente Medical Group PC

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VERBAL INTRODUCTION

Michael Alan Horberg, MD, MAS, FACP, FIDSA (he/him/his) is Associate Medical Director for Kaiser Permanente Mid-Atlantic Permanente Medical Group. In that role, he is responsible for Research, Medical Education, Community Health, Medicaid, Genomics, HIV and STI, LGBTQI+ Health, Complex Care Program, and Infection Prevention.

Dr. Horberg is the director of HIV/AIDS nationally for KP, serving nearly 80,000 members with HIV, as well as Clinical Lead for HIV/AIDS and STI, creating clinical multidisciplinary guidelines to improve such care in KP.

Under President Obama, Dr. Horberg served on the Presidential Advisory Council on HIV/AIDS. Dr. Horberg is a Fellow of the American College of Physicians and the Infectious Disease Society of America. He is Past-Chair of the Board of Directors of the HIV Medicine Association. He co-chairs the HIVMA/IDSA HIV Primary Care Guideline Committee. Dr. Horberg presently serves as the physician chair of the CDC-sponsored Health Care Action Group, promoting sexual health. He has chaired multiple Expert Panels on HIV-related provider performance measures (including ones sponsored by CMS, NCQA, and IDSA). He is past-president of the national Gay and Lesbian Medicine Association.

Dr. Horberg leads HIV, STI, and Infection Prevention for MAPMG. He directs LGBTQI+ care and led creation of Pride Medical and Gender Pathways clinics within KPMAS. In his roles as medical director for KPMAS Community Health and chief medical officer for KPMAS Virginia Medicaid, he works to improve health equity and care access for underserved populations in the region.

As Director for Medical Education, he is the Designated Institutional Official for KPMAS, with responsibility for all undergraduate, graduate, and continuing medical education. He also leads the KPMAS Medical Genomics and Precision Medicine strategy, and is Executive Sponsor for Commission on Cancer Accreditation and National Surgical Quality Improvement Program.

As Executive Director for research, he is responsible for all research in KPMAS. In this role, he leads a department of clinical and data research with over seventy employees. His HIV research interests are HIV quality measures, care improvement, and determinants of optimized multidisciplinary care for HIV-infected patients. He studies epidemiology of HIV, hepatitis, sexually transmitted and COVID infections. Dr. Horberg has published over 250 manuscripts and delivered over 200 presentations at scientific meetings (all peer-reviewed).

Dr. Horberg attended Boston University Medical School, and received his Master of Advanced Studies from University of California San Francisco. He completed his residency in internal medicine at University of Chicago Michael Reese Hospital and Medical Center. He is a resident of Maryland, with his husband Chip.

EDUCATION AND TRAINING

University of California San Francisco, San Francisco, CA
M.A.S. (Master of Advanced Study in Clinical Research) 2004-2006

University of Chicago/Michael Reese Hospital, Chicago, IL
Residency, Categorical Internal Medicine 1985-1988

Boston University School of Medicine, Boston, MA
M.D. 1981-1985

Boston University, Boston, MA
B.A. in Medical Science with Minor in History 1979-1985
Summa cum Laude, Phi Beta Kappa

APPOINTMENTS AND EMPLOYMENT

Mid-Atlantic Permanente Medical Group, Rockville, MD 2011-
Mid-Atlantic Permanente Research Institute
Associate Medical Director Research, Medical Education, Community Health, Medicaid, Genetics, HIV and STD, LGBTQI+ Health, Complex Care Program, Infection Prevention
Executive Director, Mid-Atlantic Permanente Research Institute
Designated Institutional Official, Kaiser Permanente Mid-Atlantic States

Kaiser Permanente and The Permanente Federation, Oakland, CA
Care Management Institute
Director, HIV/AIDS and Sexually Transmitted Infections 2003-

Kaiser Permanente Institute for Health Policy, Oakland, CA
Fellow 2010-2016

The Permanente Medical Group, Inc., Oakland, CA 1997-2011
Kaiser Permanente Northern California Division of Research
Chair, Central Research Committee
Research Scientist II
Senior Physician and Research Chair, Santa Clara Medical Center

Private Medical Practice, Chicago, IL 1988-1997

GOVERNMENT SERVICE/ APPOINTMENTS

Presidential Advisory Council on HIV/AIDS (PACHA)
Presidential Appointment /Special Government Employee 2010-2014
Co-chair, Access to Care and Quality Outcomes Committee 2010-2014

State of Maryland Natalie M. LaPrade Medical Cannabis Commission
Member, Commission 2013-2017

CDC Coalition on Sexual Health
Chair, Health Care Action Group 2012-

Patient-Centered Outcomes Research Institute (PCORI)
Member, PCORnet Engagement Council 2016-2018

Institute for Public Health Innovation
Chair, Board of Directors 2018-2020
Member, Board of Directors 2013-2020
Member-at-Large, Executive Committee 2013-2018

University of California Office of the President HIV/AIDS Research Program
Member, Advisory Council 2009-2011

ACADEMIC APPOINTMENTS

<i>Kaiser Permanente Bernard J. Tyson School of Medicine</i> Professor	2018-
<i>Stanford University Medical School, Palo Alto, CA</i> Clinical Assistant Professor (Affiliated) of Medicine (Infectious Diseases) Clinical Instructor	2010-2012 1998-2010
<i>Northwestern University Medical School, Chicago, IL</i> Clinical Instructor	1988-1996
<i>University of Illinois College of Medicine, Chicago, IL</i> Assistant Clinical Professor	1990-1996

BOARD CERTIFICATIONS AND LICENSURE

American Board of Internal Medicine	1989-
HIV Specialist Credentials—American Academy of HIV Medicine	2002-
California Medical License (Active)	1996-
District of Columbia Medical License (Active)	2011-
Illinois Medical License (Inactive)	1985-1996
Maryland Medical License (Active)	2011-
Commonwealth of Virginia Medical License (Active)	2011-

PROFESSIONAL AFFILIATIONS AND SERVICE

HIV Medicine Association (HIVMA) of the Infectious Disease Society of America Chair, Board of Directors	2012-2013
Chair, HIV MOC Committee	2009-2012
Board Member	2007-2014
Infectious Disease Society of America (IDSA) Fellow	2011-
Member, IDSA Education Committee	2009-2012
Member, IDSA Research Committee	2012-2014
Member, IDSA Quality Measures Committee	2014-2019
Co-Chair, HIV Primary Care Guidelines Committee	2016-
American College of Physicians Fellow	1997-
Forum for Collaborative HIV Research Member, Executive Committee	2006-2017
Health Care Systems Research Network (formerly HMO Research Network) Chair, Board of Directors	2023-2025
Board of Governors	2011-
Executive Committee	2018-
Gay and Lesbian Medical Association (GLMA, 2000 + members nationally) President	1997-1998
Gay and Lesbian Physicians of Chicago President	1994-1996
International AIDS Society	2002-
Academy Health	2013-
International Association of Physicians in AIDS Care	2008-

American Academy of HIV Medicine (AAHIVM)	2000-2015
California Medical Association	1998-2011
AIDS Community Research Consortium	1997-2010
Bay Area Association of Physicians for Human Rights	1997-2011

SCIENTIFIC REVIEW PANEL ACTIVITIES

National Institutes of Health

Clinical Trial Units for NIAID Networks ZAI1-RB-A-S2	2013
Innovative Research in HIV in Kidney, Urology, and Hematology ZRG1 AARR M54	2016
Elucidating Mechanisms Associated with HIV Related Co-Morbidities in Populations Experiencing Health Disparities RFA-MD-24-005	2024
Advancing HIV Service Delivery Through Pharmacies and Pharmacists ZRG1CCHI-M	2024

Centers for Disease Control and Prevention

HIV Testing Program Sites	2010
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KAISER PERMANENTE SERVICE (SELECTED APPOINTMENTS)

Kaiser Permanente Interregional

Director, HIV Interregional Initiative Steering Committee	2003-
Clinical Lead, KP HIV Clinical Care Guidelines	1998-
HIV, Hepatitis, and STI National Conference Conference Chair and Director	2004-
Member, Interregional New Technologies Committee	2013-
National Research Committee Chair	2011- 2018-2020

Kaiser Permanente Northern California Region

Chair, Regional HIV Therapeutics Subcommittee	1998-2011
Health Services Institutional Review Board	2005-2011
Santa Clara Infection Control Committee	1997-2011

EDITORIAL ACTIVITIES

Editorial Board

<i>HIV and Behavior</i>	2019-
<i>The American Journal of Managed Care Evidence-Based Immunology and Infectious Disease</i>	
<i>Annals of the Forum for Collaborative HIV Research</i>	

Reviewer for the Following Journals:

AIDS and Behavior
AIDS, Patient Care, and STDs
AIDS Research and Human Retroviruses
American Journal of Kidney Diseases
Annals of Internal Medicine
Archives of Psychiatry
BMC Infectious Diseases
BMC Medical Informatics and Decision Making
BMC Medicine
Clinical Infectious Diseases
HIV Clinical Trials
International Journal of Environmental Research and Public Health
JAIDS
Journal of Antimicrobial Chemotherapy
Journal of Infection

Pediatrics

The Permanente Journal

Reviewer/Assistant Editor for the following Textbooks:

LGBTQ America Today: An Encyclopedia

Reviewer for the following Conferences:

Infectious Disease Society of America Annual Meeting

International AIDS Society International AIDS Conference

National Summit on HIV Diagnosis, Prevention, and Access to Care

MENTORSHIP AND TEACHING

Kaiser Permanente Northern California:

David Vinson, MD (Emergency Medicine; CREST Network)

Minggui Pan, MD (Oncology; Community Benefits Clinician Research)

Resident research at Kaiser Permanente Santa Clara Medical Center

Kaiser Permanente Mid-Atlantic States:

Sherri Johnson, RN (Doctoral research)

Jared Maeda, PhD (Health Services research scientist)

Chu-Ling Yu, ScD (Oncology Epidemiology research scientist)

Christine Bredfeldt, PhD (Health Informatics research scientist)

Cabell Jonas, PhD (Health Services research scientists)

Kaiser Permanente Santa Clara Medical Center

Director and Preceptor, HIV Clinic for residents

1999-2010

Primary Care Preceptor in Clinic

1997-2010

Morning Report Attending (twice a month)

1997-2005

Ward Attending in Medicine

1998-2000

SPECIAL RECOGNITIONS

Washington Business Journal Business of Pride

2020

Mid-Atlantic Permanente Medical Group Excellence in Research Award

2016

City of Oakland, California, Mayor's Proclamation "Michael Horberg Day"

2010

Kaiser Permanente Santa Clara Teacher of the Year

2001, 2002

PUBLICATIONS AND ABSTRACTS

First and senior authored listed first

Peer-Reviewed Publications

1. **Horberg M**, Antoniskis D, Bersoff-Matcha S, Hurley L, Klein D, Kovach D, Mogyoros M, Towner W, Weinberg W. Perceptions of human immunodeficiency virus testing services among HIV-positive persons not in medical care. *Sex Transm Dis*. 2006 Jul;33(7):464; author reply 465.
2. **Horberg M**, Hurley LB, Klein DB, Follansbee SE, Quesenberry C, Flamm JA, Green GM, Luu T. Surgical outcomes in human immunodeficiency virus-infected patients in the era of highly active antiretroviral therapy. *Arch Surg*. 2006 Dec;141(12):1238-45.
3. **Horberg M**, Hurley LB, Silverberg MJ, Kinsman CJ, Quesenberry CP. Effect of clinical pharmacists on utilization of and clinical response to antiretroviral therapy. *J Acquir Immune Defic Syndr*. 2007 Apr 15;44(5):531-9.
4. **Horberg MA**, Silverberg MJ, Hurley LB, Towner WJ, Klein DB, Bersoff-Matcha S, Weinberg WG, Antoniskis D, Mogyoros M, Dodge WT, Dobrinich R, Quesenberry CP, Kovach DA. Effects of depression and selective serotonin reuptake inhibitor use on adherence to highly active antiretroviral therapy and on clinical outcomes in HIV-infected patients. *J Acquir Immune Defic Syndr*. 2008 Mar 1;47(3):384-90.

5. **Horberg M**, Silverberg M, Hurley L, Delorenze G, Quesenberry C. Influence of prior antiretroviral experience on adherence and responses to new highly active antiretroviral therapy regimens. *AIDS Patient Care STDS*. 2008 Apr;22(4):301-12.
6. **Horberg M**, Klein D, Hurley L, Silverberg M, Towner W, Antoniskis D, Kovach D, Mogyoros M, Blake W, Dobrinich R, Dodge W. Efficacy and safety of ritonavir-boosted and unboosted atazanavir among antiretroviral-naïve patients. *HIV Clin Trials*. 2008 Nov-Dec;9(6):367-74.
7. Silverberg MJ, Leyden W, Hurley L, Go AS, Quesenberry CP Jr, Klein D, **Horberg MA**. Response to newly prescribed lipid-lowering therapy in patients with and without HIV infection. *Ann Intern Med*. 2009 Mar 3;150(5):301-13.
8. Silverberg MJ, Leyden W, Quesenberry CP Jr, **Horberg M**. Race/Ethnicity and risk of AIDS and death among HIV-infected patients with access to care. *J Gen Intern Med*. 2009 Sep;24(9):1065-72.
9. **Horberg M**, Ranatunga DK, Quesenberry CP, Klein DB, Silverberg MJ. Syphilis epidemiology and clinical outcomes in HIV-infected and HIV-uninfected patients in Kaiser Permanente Northern California. *Sex Transm Dis*. 2010; 37(1): 53-58.
10. Towner W, Klein D, Kerrigan HL, Follansbee S, Yu K, **Horberg M**. Virologic outcomes of changing enfuvirtide to raltegravir in HIV-1 patients well controlled on an enfuvirtide based regimen: 24-week results of the CHEER study. *J Acquir Immune Defic Syndr*. 2009 Aug 1;51(4):367-73.
11. **Horberg M**, Tang B, Towner W, Silverberg M, Bersoff-Matcha S, Hurley L, Chang J, Blank J, Quesenberry C Jr, Klein D. Impact of tenofovir on renal function in HIV-infected, antiretroviral-naïve patients. *J Acquir Immune Defic Syndr*. 2010 Jan 1;53(1):62-9.
12. **Horberg M**, Aberg J, Cheever L, Renner P, Kaluba E, Asch S, "National and Multi-Agency HIV Quality Measures Development," *Clinical Infectious Diseases*, 2010; 51:732-738.
13. **Horberg M**, Klein, D, "An update on the use of Atripla in the Treatment of HIV in the US," *HIV—Research and Palliative Care*, 2010 (2): 135–140.
14. **Horberg M**, Hurley L, Towner W, Gambatese R, Klein D, Antoniskis D, Weinberg W, Kadlecik P, Remmers C, Dobrinich R, Quesenberry C, Silverberg M, Johnson M, "HIV Quality Performance Measures in a Large Integrated Healthcare System," *AIDS, Patient Care, and STDs*, 2011; 25(1): 21-28.
15. Schwarz EB, Postlethwaite D, Hung Y-Y, Lantzman E, Armstrong MA, **Horberg M**, "Provision of Contraceptive Services to Women with Diabetes," *Journal of General Internal Medicine*, 2012 Feb;27(2):196-201
16. Towner W, Xu L, Leyden W, **Horberg M**, Chao C, Tang B, Klein D, Hurley L, Quesenberry C, Silverberg M, "The Effect of HIV Infection, Immunodeficiency and Antiretroviral Therapy on the Risk of Hepatic Dysfunction," *JAIDS*, 2012 Jul 1;60(3):321-7
17. **Horberg M**, Hurley L, Towner W, Allerton M, Tang B, Catz S, Silverberg M, Quesenberry C, "Determination of Optimized Multidisciplinary Care Team for Maximal Antiretroviral Therapy Adherence," *JAIDS*, 2012 Jun 1;60(2):183-90
18. Chao C, Tang B, Hurley L, Silverberg M, Towner, W Preciado M, **Horberg M**, "Risk Factors for Short-Term Virologic Outcomes among HIV-Infected Patients undergoing Regimen Switch of Combination Antiretroviral Therapy," *AIDS Research and Human Retroviruses*, 2012; Dec;28(12):1630-6.

19. **Horberg M**, Hurley L, Towner W, Allerton M, Tang B, Catz S, Silverberg M, Quesenberry C, "Impact of Provider Experience Characteristics on Antiretroviral Adherence and Maximal Viral Control," *HIV/AIDS—Research and Palliative Care*, 2012; 4:125-133
20. **Horberg M**, Raymond B, "Financial Policy Issues for PrEP: Practical Aspects of Cost and Access to Insurance," *American Journal of Preventive Medicine*, 2012 ; 44(1S2):S125–S128
21. Miller V, **Horberg M**, "Getting to Normal -- Are we there yet?" (editorial), *AIDS*, 2013; 27(6):1027-1028
22. **Horberg M**, Hurley L, Klein D, Silverberg M, Quesenberry C, Mugavero M, "Missed Office Visits and Risk of Mortality among HIV Subjects in a Large Healthcare System," *AIDS, Patient Care and STDs*, 2013; 27(8):442-9
23. Aberg J, Gallant J, Ghanem K, Emmanuel P, Zingman B, **Horberg M**, "Primary Care Guidelines for the Management of Persons Infected with Human Immunodeficiency Virus: 2013 Update by the HIV Medicine Association of the Infectious Diseases Society of America," *Clinical Infectious Diseases*, 2014; 58(1):e1-e34.
24. Aberg J, Gallant J, Ghanem K, Emmanuel P, Zingman B, **Horberg M**, "Executive Summary: Primary Care Guidelines for the Management of Persons Infected with Human Immunodeficiency Virus: 2013 Update by the HIV Medicine Association of the Infectious Diseases Society of America," *Clinical Infectious Diseases*, 2014; 58(1):1-10.
25. Linas B, Hu H, Carter D, **Horberg M**, "Hepatitis C screening trends in a large integrated health system," *American Journal of Medicine*, 2014; 127(5):398-405.
26. Althoff K, Rebeiro P, Brooks J, Buchacz K, Gebo K, Martin J, Hogg R, Thorne J, Klein M, Gill MJ, Sterling T, Yehia B, Justice A, Gange S, Moore R, Kitahata M, **Horberg M**, for the North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD), "Disparities in the quality of HIV care when using US Department of Health and Human Services Indicators", *Clinical Infectious Diseases*, 2014; 58(8):1185-9
27. Maeda J, Lee K, **Horberg M**, "Comparative Health Systems Research among Integrated Delivery Systems and Managed Care Organizations: A Systematic Review," *Permanente Medical Journal*, 2014; 18(3):66-77
28. Rodriguez C, **Horberg M**, "HIV Testing, Staging, and Evaluation," *Infectious Disease Clinics of North America*, 2014 Sep;28(3):339-353
29. **Horberg M**, "HIV Quality Measures and Outcomes—The Next Phase," *Clinical Infectious Diseases*, 2016; Jan 15; 62(2):240-1.
30. **Horberg M**, Hurley L, Towner W, Kadlecik P, Antoniskis A, Mogyoros M, Brachman P, Remmers C, Gambatese R, Blank J, Ellis C, Silverberg M, "The HIV Care Cascade Measured Over Time and by Age, Sex, and Race in a Large National Integrated Care System," *AIDS, Patient Care, and STDs*, 2015; 11: 582-590.
31. Jonas MC, Loftus B, **Horberg M**, "The Road to Hepatitis C Virus Cure: Practical Considerations from a Health System's Perspective," *Infectious Disease Clinics of North America*, 2018; 32(2): 418-493.
32. **Horberg M**, Oakes A, Hurley L, Towner W, Chao C, Silverberg M, Chantra J, Ellis C, Quesenberry C, "Association of Raltegravir Use with Long-Term Health Outcomes in HIV-Infected Patients: An Observational Post-Licensure Safety Study in a Large Integrated Healthcare System," *HIV Clinical Trials*, 2018; Oct;19(5):177-187

33. **Horberg M**, Blank J, Rubenstein K, Certa J, Hurley L, Kadlecik P, Klein D, Silverberg M, "Impact of Alternative Encounter Types on HIV Viral Suppression Rates in an Integrated Health System," *AIDS, Patient Care, and STDs*, 2018; 32(11): 425-431.
34. Ter-Minassian M, Lanzkron S, Derus A, Brown E, **Horberg M**, "Quality Metrics and Health Care Utilization for Adult Patients with Sickle Cell Disease," *Journal of the National Medical Association*, 2018; (e-Pub ahead of print)
35. Rodriguez C, Rubenstein K, Linas B, Hu H, **Horberg M**, "Increasing Hepatitis C Screening in a Large Integrated Health System: Science and Policy in Concert," *American Journal of Managed Care*, 2018; 24(5): e134-e140.
36. Vupputuri S, Rubenstein K, Derus A, Loftus B, **Horberg M**, "Factors Contributing to Racial Disparities in Influenza Vaccinations," *PLoS One*, 2019; 14(4): e0213972.
37. George JM, Kuriakose S, Monroe A, Hou Q, Pau A, Masur H, Hadigan C, Castel A, **Horberg M**, on behalf of the DC Cohort Executive Committee, "Utilization of Direct Oral Anticoagulants in People with HIV: Observational Data from the DC Cohort," *Clinical Infectious Diseases*, 2020; e-pub ahead of print.
38. **Horberg M**, Certa J, Rubenstein K, Hurley B, Satre D, Kadlecik P, Silverberg MJ, "Beyond the HIV Care Continuum and Viral Suppression: Broadening the Scope of Quality Metrics for Total HIV Patient Care," *AIDS, Patient Care, and STDs*, 2020; Nov;34(11):461-469.
39. Thompson M, **Horberg M** (co-lead authors), Agwu A, Colasanti J, Jain M, Short W, Singh T, Aberg J, "Primary Care Guidance for Persons with Human Immunodeficiency Virus: 2020 Update by the HIV Medicine Association of the Infectious Diseases Society of America," *Clinical Infectious Diseases*, 2020; Dec 6;73(11):e3572-e3605.
40. Isaac A, Swartz D, Miller M, Short D, Wilson E, Chaffo J, Watson E, Hu H, Petersen B, Bloom J, Neff N, Linders D, Salgado S, Locke J, **Horberg M**, "Lower Resource Utilization of Patients with Healed Diabetic Foot Ulcers During Participation in a Prevention Program with Foot Temperature Monitoring," *BMJ Open Diabetes Research and Care*, 2020; October 8 (1): e001440.
41. Young D, Sidell M, Fitzpatrick S, Koebnick C, Nau C, Oshiro C, **Horberg M**, "Characteristics of Adults with Overweight and Obesity Who Have Not Attempted Weight Loss in the Prior 12 Months," *Obesity Research & Clinical Practice*, 2020; (5): 449-455.
42. Nassery N, **Horberg MA** (co-lead author), Rubenstein KB, Certa JM, Watson E, Somasundaram B, Shamim E, Townsend JL, Galiatsatos P, Pitts SI, Hassoon A, Newman-Toker DE. Antecedent treat-and-release diagnoses prior to sepsis hospitalization among adult emergency department patients: a look-back analysis employing insurance claims data using Symptom-Disease Pair Analysis of Diagnostic Error (SPADE) methodology. *Diagnosis (Berl)*. 2021 Feb 25. doi: 10.1515/dx-2020-0140. Epub ahead of print. PMID: 33650389.
43. Finch A, Crowell A, Bhatia M, Parameshwarappa P, Chang Y, Martinez J, **Horberg M**, "Exploiting Hierarchy in Medical Concept Embedding," *JAMIA Open*, 2021 Mar 16;4(1):o0ab022.
44. Finch A, Crowell A, Chang YC, Parameshwarappa P, Martinez J, **Horberg M**, "A Comparison of Attentional Neural Network Architectures for Modeling with Electronic Medical Records," *JAMIA Open*, 2021; August 12, 4(3): o0ab064.
45. Finch A, Crowell A, Chang YC, Parameshwarappa P, Martinez J, **Horberg M**, "A Comparison of Attentional Neural Network Architectures for Modeling with Electronic Medical Records," *JAMIA Open*, 2021; August 12, 4(3): o0ab064.

46. Jonas C, Rubenstein K, Watson E, Basra S, **Horberg M**, “A Comprehensive Coordinator Supported Hepatitis C Virus Testing and Linkage to Treatment Program at Kaiser Permanente Mid-Atlantic States,” *Viruses*, 2021; 13(11) 2140.
47. **Horberg M**, Eberhart L, Bhatia M, Jonas C, Cherico-Hsui S, Tamrat Y, Bhandari B, Kadlecik P, Gahunia M, “Patient Demographics and the Utilization of a Novel Three Anatomic Site Testing Panel Including Rectal Self-Collection as Compared to Usual Care Testing,” *Sexually Transmitted Diseases*, 2021; e-pub ahead of print
48. **Horberg M**, Watson E, Bhatia M, Jefferson C, Certa J, Kim S, Fathi L, Althoff K, Williams C, Moore R, “Post-Acute Sequelae of SARS-CoV-2: Clinical Conditions Definitions and Comparison in a Matched Cohort,” *Nature Communications*, 2022 Oct 12;13(1):5822. doi: 10.1038/s41467-022-33573-6
49. Miller M, Eberhart L, Jefferson C, **Horberg M**, “Beyond Antiretroviral Treatment: Patterns and Factors Associated with Composite Medication Adherence Before and During the COVID-19 Pandemic in Patients with HIV with Multiple Chronic Conditions,” *JAIDS*, 2023; 2023 Apr 15;92(5):405-413
50. Jefferson C, Watson E, Certa J, Gordon K, Park L, D’Souza G, Benning L, Abraham A, Agil D, Napravnik S, Sivlerberg M, Leyden W, Skarbinski J, Williams C, Althoff K, **Horberg M**, “Differences in COVID-19 Testing and Adverse Outcomes by Race, Ethnicity, Sex, and Health System Setting in a Large Diverse US Cohort,” *PLOS One*, 2022 Nov 23;17(11):e0276742
51. Miller M, Eberhart L, Jefferson C, **Horberg M**, “Beyond Antiretroviral Treatment: Patterns and Factors Associated with Composite Medication Adherence Before and During the COVID-19 Pandemic in Patients with HIV with Multiple Chronic Conditions,” *JAIDS*, 2023; 2023 Apr 15;92(5):405-413
52. Burrell T, Kim S, Mohadikar K, Jonas C, Ortiz N, **Horberg M**, “Family Structure and Adolescent Mental Health Service Utilization During COVID-19 Pandemic,” *Journal Adolescent Health*, 2023; 2023 April 7: S1054-139X(23)00065-4
53. **Horberg M**, Simons S, “Leveraging the Strength of Collaboration in Rapidly Changing Time: The 29th Annual Conference of the Health Care Systems Research Network,” *Journal of Patient Centered Research Review*, 2023; 18:10 (3): 142-145
54. Ter-Minassian M, Basra S, Watson E, Derus A, **Horberg M**, “Validation of US CDC National Death Index Mortality Data, Focusing on Difference in Race and Ethnicity,” *BMJ Health Care Informatics*, 2023; Jul:30 (1) e:100737
55. Burrell T, Sheu Y, Kim s, Mohadikar K, Ortiz N, Jonas C, **Horberg M**, “COVID-19 and Adolescent Outpatient Mental Health Service Utilization,” *Academic Pediatrics*, 2023; Jun9:S1876-2859(23)00197-3
56. **Horberg M**, Simons S, Greenlee R, “Recognizing 30 Years of accomplishments and Envisioning an Innovative Future-The 2024 Annual Conference of the Health Care Systems Research Network,” *Journal of Patient-Centered Research and Reviews*, 2024; 11(2): 112-117.
57. **Horberg M**, Thompson M, Agwu A, Colasanti J, Haddad M, Jain M, McComsey G, Radix A, Rakhmanina N, Short WR, Singh T, Tookes H. Primary Care Guidance for Providers of Care for Persons With Human Immunodeficiency Virus: 2024 Update by the HIV Medicine Association of the Infectious Diseases Society of America. *Clin Infect Dis*. 2024 Oct 12:ciae479. doi: 10.1093/cid/ciae479. Epub ahead of print.
58. Coburn S, Silverberg MJ, Lang R, Lesko C, Nijhawan A, Nguyen ML, Sterling T, Moore R, Althoff K, **Horberg M**, Clinical predictors and incidence of Kaposi sarcoma among males with HIV in the Treat-all era in the United States and Canada, *Clinical Infectious Diseases*, 2025; ciaf446, <https://doi.org/10.1093/cid/ciaf446>

59. **Horberg MA**, Simons S. Transforming Health Care Through Research: Highlights From the 2025 Annual Conference of the Health Care Systems Research Network. *J Patient Cent Res Rev.* 2025 Jul 15;12(3):144-147. doi: 10.17294/2330-0698.2219. PMID: 40697631; PMCID: PMC12279301.
60. DeLorenze GN, Follansbee SF, Nguyen DP, Klein DB, **Horberg M**, Quesenberry CP Jr, Blick NT, Tsai AL. Medication error in the care of HIV/AIDS patients: electronic surveillance, confirmation, and adverse events. *Med Care.* 2005 Sep;43(9 Suppl):III63-8.
61. Rhee SY, Fessel WJ, Zolopa AR, Hurley L, Liu T, Taylor J, Nguyen DP, Slome S, Klein D, **Horberg M**, Flamm J, Follansbee S, Schapiro JM, Shafer RW. HIV-1 Protease and reverse-transcriptase mutations: correlations with antiretroviral therapy in subtype B isolates and implications for drug-resistance surveillance. *J Infect Dis.* 2005 Aug 1;192(3):456-65.
62. Mitsuya Y, Winters MA, Fessel WJ, Rhee SY, Slome S, Flamm J, **Horberg M**, Hurley L, Klein D, Shafer RW. HIV-1 drug resistance genotype results in patients with plasma samples with HIV-1 RNA levels less than 75 copies/mL," *J Acquir Immune Defic Syndr.* 2006 Sep;43(1):56-9.
63. Mitsuya Y, Winters MA, Fessel WJ, Rhee SY, Hurley L, **Horberg M**, Schiffer CA, Zolopa AR, Shafer RW. N88D facilitates the co-occurrence of D30N and L90M and the development of multidrug resistance in HIV type 1 protease following nelfinavir treatment failure. *AIDS Res Hum Retroviruses.* 2006 Dec;22(12):1300-5.
64. Gange SJ, Kitahata MM, Saag MS, Bangsberg DR, Bosch RJ, Brooks JT, Calzavara L, Deeks SG, Eron JJ, Gebo KA, Gill MJ, Haas DW, Hogg RS, **Horberg M**, Jacobson LP, Justice AC, Kirk GD, Klein MB, Martin JN, McKaig RG, Rodriguez B, Rourke SB, Sterling TR, Freeman AM, Moore RD. Cohort profile: the North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD). *Int J Epidemiol.* 2007 Apr;36(2):294-301. Epub 2007 Jan 8.
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63. Meenan R, **Horberg M**, Silverberg M, Chao C, Williams A, Keast E, Leyden W, Xu L, Tang B, Antoniskis D, Towner W, Abstract C-A5-01, "Development of Prevention Index Methodology for Application to HIV Quality of Care," 17th Annual HMO Research Network Conference, Boston, MA, March, 2011
64. **Horberg M**, Hurley L, Towner W, Allerton M, Tang B, Catz S, Silverberg M, Quesenberry C, "Determination of Optimized Multidisciplinary Care Teams for Maximal Antiretroviral Therapy Adherence," 6th International Conference on HIV Treatment and Prevention Adherence, Miami, FL, May, 2011 (Oral presentation)
65. **Horberg M**, Hurley L, Towner W, Allerton M, Tang B, Catz S, Silverberg M, Quesenberry C, Abstract MOPE464, "Impact of Provider Characteristics on HIV-related Outcomes among Antiretroviral Experienced Patients," The 6th IAS Conference on HIV Pathogenesis, Treatment and Prevention, July, 2011
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67. Gomez V, Somkin, C, Potter M, Ackerson L, Dao T, **Horberg M**, Walsh J, "Development, Implementation, and Dissemination of the FLU-FIT Program in Kaiser Permanente Northern California," APHA 139th Annual Meeting, Washington, DC, October, 2011

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78. Silverberg M, Leyden W, Stewart C, Ralston J, **Horberg M**, Carzasty S, Grothaus L, Catz S, "Change in Adherence to Antiretrovirals After Initial Use of an Electronic Share Medical Record among HIV-Infected Individuals," HMO Research Network Conference, Seattle, WA, April, 2012

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86. Abraham A, Lau B, Estrella M, Szczech L, Rourke S, Rodriguez B, Rachlis A, Chirag P, Napravnik S, Moore R, Klein M, Kitahata M, Jing J, **Horberg M**, Harris M, Eron J, Crane H, Bosch R, Benson C, Anastos K, Althoff K, Lucas G, for the NA-ACCORD of IeDEA, “Tenofovir-Associated Kidney Function decline with a PI-based Versus NNRTI-based Regimen,” XIX International AIDS Conference, Washington, DC, July, 2012
87. Althoff K, Buchacz K, Hall I, Zhang J, Hanna D, Rebeiro P, Gange S, Moore R, Kitahata M, Gebo K, Martin J, Justice A, **Horberg M**, Hogg R, Sterling T, Cescon A, Klein M, Thorne J, Crane H, Mugavero M, Napravnik S, Kirk G, Jacobson L, Rodriguez B, Brooks J for the NA-ACCORD of IeDEA, “Trends in Antiretroviral Therapy Use, HIV RNA Plasma Viral Load, and CD4 T-Lymphocyte Counts at Death among HIV-Infected Persons in Care in the United States, 2000-2008, XIX International AIDS Conference, Washington, DC, July, 2012
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Integrated Care System by Gender, Age, and Methodologies,” 20th Conference on Retroviruses and Opportunistic Infections, Atlanta, GA, March 2013

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91. Rebeiro P, **Horberg M**, Gebo K, Brooks J, Buchacz K, Silverberg M, Gill MJ, Moore R, Althoff K, for the North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD), Abstract 1035, “No meaningful difference between retention indicators from US government agencies within the largest HIV Cohort Collaboration in North America,” 20th Conference on Retroviruses and Opportunistic Infections, Atlanta, GA, March, 2013
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93. Silverberg M, Leyden W, Stewart C, Ralston J, **Horberg M**, Grothaus L, Catz S, “Antiretroviral therapy adherence and use of an electronic shared medical record among HIV-positive Individuals,” 46th Annual Society for Epidemiologic Research Meeting, Boston, MA, June, 2013
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180. Thorne J, Hanna D, Parcesepe A, Althoff K, Colasanti J, Crane H, French A, Gange S, Gebo K, Hessol N, **Horberg M**, Moore R, Silverberg M, Rebeiro P, the North American IDS Cohort Collaborion on Research and Design (NA-ACCORD) of IeDEA, “Effect of AIDS Drug Assistance Program Variability on Timely ART & Viral Suppression,” CROI 2022, Denver, CO (Accepted)
181. Lang R, Althoff K, Closson K, Gerelotti D, **Horberg M**, “Prevalence of Mental Health Disorders and the Effects on the HIV Care Continuum,” CROI 2022, Denver, CO (Accepted)
182. Lang R, Gill MJ, Moore R, Silverberg M, Willig A, Mayor A, Loutfy M, Klein M, Justice A, **Horberg M**, “Prevalence of Anemica and Risk Factors in People with HIV in the Modern ART Era,” CROI 2022, Denver, CO (Accepted)
183. Certa J, Jefferson C, Watson E, **Horberg M**, Silverberg M, Napravnik S, Browne L, “Differences in COVID-19 Testing, Positivity, and Outcomes by Race, Sex, and Health System Setting in a Large Diverse US Cohort,” National Big Data Health Science Conference 2022, Charleston, SC (Accepted)
184. Althoff K, Silverberg M, **Horberg M**, Gordon K, Justice A, Gebo K, Certa J, Park L, McGinnia K, Freeman A, Agil D, Williams C, “Impact of Discontinuity in EHR Data Pipelines on Inferences that are Contingent upon SARS-CoV-2 Testing or Vaccination Data: Lessons Learned from the CIVETS Collaboration of 5 Healthcare Systems,” National Big Data Health Science Conference 2022, Charleston, SC (Accepted)
185. Zalla L, Cole S, Eron J, Adimora A, Vines A, **Horberg M**, Crystal S, Marconi V, William E, Mayor A, Gill MJ, Althoff K, Silverberg M, Edwards J, “Trends in Racial and Ethnic Differences in HIV Care Continuum Measures among US Adults, 1996-2019,” 24th International Workshop on HIV and Hepatitis Observational Databases, Sitges, Spain, 2022 (Accepted)

186. Lee J, Li X, Humes E, Furukawa A, Rebeiro P, Hanna D, Napravnik S, Crane H, Gill MJ, Silverberg M, **Horberg M**, Lima V, Rosenblum M, Althoff K, for the North American AIDS Cohort Collaboration on Research Design (NA-ACCORD), “Standardizing Retention in Care Estimates in the NA-ACCORD, 2010-2018,” 24th International Workshop on HIV and Hepatitis Observational Databases, Sitges, Spain, 2022 (Accepted)
187. Lang R, Coburn S, Gill MJ, **Horberg M**, Silverberg MJ, Mayor A, Bosch R, Rabkin C, Althoff K, “Association of Anemia on Non_AIDS Defining Malignancy in People with HIV Following ART Initiation,” CROI 2023 (Accepted)
188. Castel A, Boyer S, **Horberg M**, Monroe A, on behalf of DC Cohort Executive Committee, “Modelling of Care Engagement Patterns in a Longitudinal Cohort of PWH—Washington, DC”, CROI 2023, Denver, CO (Accepted)
189. Castel A, Andersen E, Boyer S, **Horberg M**, Monroe A, on behalf of DC Cohort Executive Committee, “8-Year Care Trajectories in an Urban Cohort of PWH Receiving Care—Washington, DC”, CROI 2023, Denver, CO (Accepted)
190. Coburn S, Humes E, Lang R, **Horberg M**, Moore R, Silverberg M, D’Souza G, Park L, Gill MJ, Justice A, Young M, Rabkin C, Napravnik S, Althoff K, “Risk Factors for Five-Year Mortality in People with HIV After Cancer Diagnosis,” CROI 2023, Denver, CO (Accepted)
191. Deshmukh A, Lin Y-Y, Damgaciuglu H, Chao E, Nyitray A, Althoff K, Coburn S, Silverberg M, Gebo K, Moore R, **Horberg M**, Napravnik S, Cachay E, Onawane S, Sigel K, “Recent and Projected Trends in Anal Cancer Incidence Among Persons with HIV in the US,” CROI 2023, Denver, CO (Accepted)
192. Miller M, Jefferson C, Eberhart L, **Horberg M**, “HIV and Chronic Comorbidities: Medication Adherence and Clinical Endpoint Covariation,” CROI 2023, Denver, CO (Accepted)
193. Barth S, Kulie P, Monroe A, **Horberg M**, Castel A, “Prevalence and Risk Factors for Post-Acute Sequelae of COVID among Persons with HIV,” CROI 2023, Denver, CO (Accepted)
194. **Horberg M**, Jefferson C, Watson E, Fathi L, Kim S, Gebo K, Hogan B, Humes E, Althoff K, “Effects of HIV Status on Incidence of Post-COVID Conditions in Patients with SARS-CoV-2 (COVID-19),” CROI 2024, Denver, CO (Accepted)
195. **Horberg M**, Jefferson C, Watson E, Fathi L, Kim S, Gebo K, Hogan B, Humes E, Althoff K, “Evaluating The Effect of Vaccination on Post-COVID Conditions among Patients With and Without HIV,” CROI 2024, Denver, CO (Accepted)
196. Silverberg M, Levine T, Sarovar V, Lea A, Leibowitz A, **Horberg M**, Hare C, Luu M, Flamm J, Satre D, “Effectiveness of Electronic Screening for Substance Use, Depression, and Anxiety in HIV Primary Care,” CROI 2024, Denver, CO (Accepted)
197. Lam J, Hou C, Alexeeff S, Levine T, Sarovar V, Metz V, **Horberg M**, Satre D, Silverberg M, “Sleep Apnea in People With and Without HIV in Primary Care,” CROI 2024, Denver, CO (Accepted)
198. Coburn S,...**Horberg M**, “Rates and Risk Factors for Oropharyngeal Squamous Cell Carcinoma Among People Living With HIV,” CROI 2026, Denver, CO (Accepted)
199. Byrne, M,...**Horberg M**, “Kidney Function Decline Following COVID-19 Infection Among People With HIV,” CROI 2026, Denver, CO (Accepted)
200. Hwang, YJ,...**Horberg, M**, “Changes in Weight and Glycemia After Integrase Inhibitor Initiation in People With HIV and Diabetes, CROI 2026, Denver, CO (Accepted)

201. Ramirez C,...**Horberg M**, “Potentially Preventable Hospital and Emergency Department Encounters in Adults With vs Without HIV,” CROI 2026, Denver, CO (Accepted)
202. Amarin J,...**Horberg M**, “Retention Trajectories in HIV Care Are Partially Patterned by Chronic Comorbidities in North America,” CROI 2026, Denver, CO (Accepted)
203. Hackstadt A,...**Horberg M**, “Understanding Clinical Retention Effects on Mortality in North America With a Nested Trial Approach,” CROI 2026, Denver, CO (Accepted)
204. O’Connor L,...,**Horberg M**, ”Evaluation of GLP-1 Medications in an Observational Cohort of People With HIV in Washington, DC,” CROI 2026, Denver, CO (Accepted)
205. Coburn S,...**Horberg M**, “Prostate-Specific Antigen Testing Among US Males With HIV From 2006 to 2020,” CROI 2026, Denver, CO (Accepted)

Abstracts and Oral Presentations Pending Presentation or Awaiting Disposition

1. Levine T, Alexeeff S, Altschuler A, Bulled N, **Horberg M**, Lea A, Ramirez C, Riley E, Xu H, Satre D, Silverberg M, Go A, “Patterns of Social and Biological Risk Factors in People with HIV and Risk for Cardiovascular Disease,” CROI 2025, San Francisco, CA (Accepted)
2. Ji Y, Barth S, Castel A, Ogunbajo A, Oke T, **Horberg M**, Monroe A, On behalf of DC Cohort, “DoxyPEP Eligibility, Use, and Potential for STI Reducation in a Large HIV Cohort in Washington, DC,” CROI 2025, San Francisco, CA (Accepted)
3. Coburn S, Humes E, **Horberg M**, Silverber M, Martin J, Lang R, Achenbach C, Park L, Nguyen M, Kitahata M, Karris M, Crane H, Eron J, Althoff K, Moore R, “Trends in Common Cancer Diagnoses among People with HIV in North American from 2006-2020,” CROI 2025, San Francisco, CA (Accepted)
4. Hwang Y, Lesko C, Brown T, Alexander GC, Zalla L, Pytell J, Falade S, Moore R, Althoff K, Colasanti J, Gill MJ, Marconi V, **Horberg M**, Karris M, Fojo A, “Indicent Diabetes among People with HIV After Switching to Integrase Strand Inhibitors,” CROI 2025, San Francisco, CA (Accepted)
5. Price J, Kim N, Klein M, LoRe V, ...**Horberg M**...Giada Sebastini, “Incidence and Impact of Hepatic Steatosis in People with HIV: Insights from the NA-ACCORD Cohort,” CROI 2025, San Francisco, CA (Accepted)
6. Hackstadt A, Yazdani E, Rector A, Gebo K, Lesko C, **Horberg M**, Hogan B, Gerace L, Althoff K, Rebeiro P, on behalf othe North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD), “Refining Clinical Retention Metrics to Reflect the Realities of HIV Care in North America,” CROI 2025, San Francisco, CA (Accepted)
7. Kulakauskas J, Buchacz K, Brooks J, **Horberg M**, Moore R, Althoff K, for the NA-ACCORD of IeDEA, “Recent Trends in Opportunistic Infections at ART Initiation in the NA-ACCORD of IeDEA, 2017-2021,” CROI 2025, San Francisco, CA (Accepted)
8. Lang R, Chan M, Yan J, **Horberg M**, ... Lima V, “Prevalence and Risk Factors of HIV Viral Blips in the NA-ACCORD, 2010-2020,” CROI 2025, San Francisco, CA (Accepted)
9. Barth S, Ji Y, Yeung E, Byrne M, **Horberg M**, Monroe A, Castel D, on behalf of the DC Cohort, “Incidence and Risk Factors for Neurocognitive Disorders among Persons with HIV in Washington, DC,” CROI 2025, San Francisco, CA (Accepted)
10. Traeger M, Silverberg M, Satre D, Lea A, Leyden W, **Horberg M**, Eberhart L, Davis T, Marcus J, “LongActing Cabotegravir PrEP Uptake and Persistence in a Large US Healthcare System,” CROI 2025, San Francisco, CA (Accepted)

PRESENTATIONS AND GRAND ROUNDS (selected)

1. *"Updated Recommendations for Primary Care for People with HIV,"* IDWeek, October 24, 2020, Washington DC
2. *"Sexual Health for Men who have Sex with Men,"* November 13, 2020, Kaiser Permanente Mid-Atlantic States, Washington, DC.
3. *"Transgender Health Care,"* November 5, 2020, Kaiser Permanente Mid-Atlantic States, Rockville, MD
4. *"Providing Culturally Competent Care to LGBTQ Populations in a Large Healthcare System,"* September 20, 2020, CDC STD Prevention Conference, Atlanta, GA
5. *"Kaiser Permanente Mid-Atlantic States' Hepatitis Program,"* April 27, 2017; Centers for Disease Control and Prevention, Atlanta, GA
6. *"KP HIV Experience",* MAPMG HIV CME, May 6, 2017; Kaiser Permanente Mid-Atlantic States, Rockville, MD
7. *"Kaiser Permanente Mid-Atlantic States' Hepatitis C (KPMAS HCV) Program,"* June 18, 2014; Centers for Disease Control and Prevention, Atlanta, GA
8. *"Evaluating Effectiveness of HIV Care in Light of the Affordable Care Act (ACA)",* November 26, 2013; Children's National Medical Center, Washington, DC
9. *"Evaluating Effectiveness of HIV Care in Light of the Affordable Care Act (ACA)",* November 1, 2013; Vanderbilt University, Nashville, TN
10. *"What's Hot in HIV Clinical Research,"* IDWeek 2013 (43rd Annual Meeting of the Infectious Disease Society of America), October 2, 2013, San Francisco, CA
11. *"The Access to Care Committee Update,"* PACHA Public Forum at XIX International AIDS Conference, July 25, 2012, Washington, DC
12. *"Prioritizing HIV Care in the United States,"* Expert Session at XIX International AIDS Conference, July, 2012, Washington, DC
13. *"HIV Research in KP/GHC and the HMORN,"* HMO Research Network Annual Meeting, Seattle, Washington, May 1, 2012
14. *White House LGBT Conference on HIV/AIDS,* panel member, Atlanta, Georgia, April 19, 2012
15. *"HIV Care, Quality Metrics and Quality Outcomes: Kaiser Permanente and the HIV Challenge,"* Centers for Disease Control and Prevention HIV Division (invited presentation), Atlanta Georgia, April 11, 2012
16. *"HIV Care in Kaiser Permanente and the HIV Challenge,"* Presentation to the US Congressional HIV Caucus, Washington, DC, March 2, 2012
17. *"Making Chlamydia Screening a Priority in Medical Groups: Lessons Learned from HIV ,"* National Chlamydia Coalition Conference, Washington DC, January, 2012
18. *"Introduction to KP HIV Challenge,"* Center for Medicare and Medicaid Innovations Summit, Washington DC, January, 2012

19. *"HIV Care in Kaiser Permanente and the KP HIV Challenge,"* American Health Insurance Plans, February, 2012
20. *"HIV Research in Kaiser Permanente,"* NIH HIV Research Rounds, Bethesda, MD, September, 2011
21. *"Laboratory Monitoring for HIV+ Patients: What You Need to Know,"* 49th Annual Meeting of the Infectious Diseases Society of America, Boston, MA, October, 2011
22. *"The Development and Implementation of HIV Quality Measures and Implications for Care,"* Johns Hopkins University Bloomberg School of Public Health, Baltimore, MD, September, 2011
23. *"The Development and Implementation of HIV Quality Measures and Implications for Care,"* New York University Medical School, New York, NY, October, 2011
24. *"Optimized Multidisciplinary Care Teams Enhance Antiretroviral Therapy Adherence—What We Know,"* 6th International AIDS Society Satellite Symposium, Rome, Italy, July, 2011
25. *"Addressing Upstream Determinants of Treatment Access, Adherence, & Outcomes: Care Team Composition,"* 6th International Conference on HIV Treatment and Prevention Adherence, Miami, FL, May, 2011
26. *"HIV in the US in 2011...and Beyond,"* American College of Physicians Annual Meeting, San Diego, CA, April, 2011
27. *"HIV Care in KP in 2011...and Beyond,"* 7th KP HIV, Hepatitis, and STI Conference, April, 2011
28. *"Development of National and Multiagency HIV Care Quality Measures,"* Committee to Review Data Systems for Monitoring HIV Care, Institute of Medicine of the National Academies, February, 2011
29. *"Proposed and Continuing Metrics—NCQA and HEDIS,"* 2010 HIV National Summit on Diagnosis, Prevention, and Access to Care, Washington, DC, November, 2010
30. *Physician Issues in HIV Quality Measures,* Infectious Disease Society of America Annual Meeting, Vancouver, Canada, October 24, 2010
31. *HIV in the US and KP in 2010 and Beyond,* The Permanente Medical Group Division of Research Seminar, September 7, 2010
32. *HIV Quality Measures: National Development and in Kaiser Permanente,* American Medical Association-Physician Consortium for Performance Improvement, August 30, 2010
33. *Access to HIV Care and Private Insurance: Payment for Treatment—Kaiser Permanente,* National Academies Institute of Medicine Workshop on HIV Access to Care, Washington, DC, June 21-22, 2010
34. *KP HIV Program,* Presentation to Kaiser Foundation Health Plan National Leadership Team, Oakland California, June, 2010
35. *HIV in the US in 2010 and Beyond—Where We're Going,* American Conference on the Treatment of HIV, Denver Colorado, May, 2010 (opening plenary)
36. *Barriers and Facilitations to HIV Testing in Private Care Settings,* National Academies Institute of Medicine Workshop on HIV Testing, Washington, DC, April 15-16, 2010
37. *HIV Quality Measures as Part of National HIV/AIDS Strategy,* National HIV/AIDS Strategy Consultation, December 2009

38. *HIV Quality Measurement Through Electronic Health Records*, NCQA Policy Conference, December, 2009
39. *HIV in the World, US, and KP*, NABC Conference, July, 2009
40. Roundtable co-Chair, *Metrics and Evaluation Measures for Monitoring the Implementation of Routine HIV Testing*, April, 2009—final report available at http://www.hivforum.org/storage/hivforum/documents/metrics/hiv_testing_metrics_report_12.14.09.pdf
41. HIV Testing in Managed Care or Large Health Systems, *Metrics and Evaluation Measures for Monitoring the Implementation of Routine HIV Testing*, April, 2009
42. Quality Measurement in HIV and Recommendations for Improvement, 6th National HIV/AIDS, Hepatitis, and STD Conference, April, 2009
43. What We Know and What We Don't Know about the Effectiveness of Implementing Routine HIV Testing: The Private Sector Perspective, *2008 National Summit on HIV Diagnosis, Prevention, and Access to Care*, November, 2008
44. Investigating HIV Quality Performance and Outcomes in Kaiser Permanente, Kaiser Permanente Northern California Division of Research, January, 2008
45. Clinical Trials in Managed Care Settings, Forum for Collaborative HIV Research, January, 2008
46. HIV Testing in Kaiser Permanente, Kaiser Permanente National Diversity Conference, November, 2007
47. HIV Antibody Testing, Kaiser Permanente Northern California Laboratories, September, 2007
48. Components of Care, KP National HIV, Hepatitis, and STD Conference, April, 2007
49. HIV 101 and HIV in KP, Center for Health Research, April, 2007
50. Expanded Access in Kaiser Permanente, Forum for Collaborative HIV Research, February, 2007
51. HIV Antibody Testing in Kaiser Permanente and Group Health Cooperative, *Opportunities for Improving HIV Diagnosis, Prevention, and Access to Care in the U.S.*, November, 2006
52. "HIV at 25: The KP Experience," Kaiser Permanente National Diversity Conference, October, 2006
53. LGBT Health Challenges, KP National Diversity Conference, November, 2000
54. Panel Discussion, Harvard University and AAHP, June, 1997—Physicians, Managed Care, and the Media
55. "Primary Care of the LGBT Patient", Kaiser Santa Clara, June, 2002
56. HIV Care, KP national nursing update teleconference, 2000 and 2002
57. ABC's of AIDS to Cupertino Union School District, January 1999

CURRENT RESEARCH: M. HORBERG, MD, AS PRINCIPAL OR SITE INVESTIGATOR

ACTIVE

75D30122D15463

Horberg (PI)

09/28/2022-09/27/2027

Vaccine Safety Datalink (VSD) Project

KPMAS has joined the VSD as the site for Mid-Atlantic. We will explore and report on vaccine safety and provide regular data updates for assigned projects and for advanced signal for new and established vaccinations. This is performed for all communities and age groups.

Role: Principal Investigator

75D30122C14191 Silverberg (PI) 09/01/2022-08/31/2027
US Centers for Disease Control and Prevention
Kaiser Permanente Northern California

Kaiser PrEP Data

This will provide additional data and demographics to assess the United States' use of HIV Pre-Exposure Prophylaxis and study the demographics and opportunities for its use within the USA.

Role: Site Principal Investigator

5U01A1069918-02 Horberg (PI) 05/01/2022-12/31/2023
National Institute of Allergy and Infectious Diseases

North American AIDS Cohorts Collaboration on Research and Design (NA-ACCORD). Investigating PASC in integrated and non-integrated systems

Purpose of the study are to compare PASC (Post Acute Sequelae of CoV-2-SARS)with accounting for pre-existing conditions and matching to COVID-negative population, comparing by HIV antibody status.

Comparisons to another health system (Johns Hopkins Medicine) and by COVID vaccination status also will be studied. Initial investigation resulted in showing increased risk of PASC among patients with COVID, but also helped define the syndrome.

Role: Principal Investigator

R01HL160328 Silverberg and Satre (Co-PI) 08/15/2022-06/30/2027
National Heart, Lung, and Blood Institute through Kaiser Permanente Northern California

Assessing Syndemics of Cardiovascular Disease in People with and without HIV

This study will explore the role social demographic and community factors in the impact of HIV on heart disease and visa versa. It also will explore use of KP Research Bank to data and blood samples to explore the role of genetics in these morbidities.

Role: Co-investigator

R01A1175862 Marcus (PI) 09/21/2022-07/31/2027
National Institutes of Mental Health through Harvard Pilgrim Research Institute

Cabotegravir PrEP: Actionable Robust Evidence for Translation into Practice (CABARET)

This study will explore what factors contribute to employment of long-acting HIV Pre-Exposure Prophylaxis and how can this best be encouraged and grown in use to prevent HIV infection within an integrated care system.

Role: Co-investigator

10077 Horberg (PI) 08/01/2020-07/31/2024
Norwegian University of Science and Technology

Genome-Wide Association Study of Bloodstream Infection Incidence and Mortality in the General Population

This study explores the possibility of multiple gene mutations (both single and multiple) that could lead to increase risk of bloodstream infections and possibility of mortality. Dr. Horberg will oversee the use of the KP Research Bank data for the study.

Role: KP PI

R24A1152598 Castel (PI) 06/01/2020-05/31/2025
National Institute of Allergy and Infectious Disease
The George Washington University

The DC Cohort: A Longitudinal Population-Based Cohort Study of People Living With HIV in Washington, DC

The goals of this study are 1) enhance the Cohort database to incorporate new data sources to comprehensively describe and monitor HIV and co-occurring conditions; 2) expand the use of the existing DC Cohort Clinical Dashboard to monitor HIV care outcomes as well as key indicators related to ending the HIV

epidemic; and 3) use the Cohort as a platform from which to develop pioneering interventions to improve the quality of care of people living with HIV.

Role: Co-Investigator and site PI

Kaiser Permanente Research Bank Horberg (PI)

01/01/2014-12/31/2025

Kaiser Permanente Research Bank

In this study, KP Research Bank aims to recruit 280K members total across all KP regions to increase the overall Research Bank collection to 500K. Members will be consented to provide a biospecimen and complete a survey. This region will participate in the recruitment and other Research Bank-related efforts, including scientific, strategic and operational.

Role: Principal Investigator and Site PI

5U01AI069918-02

Moore (PI)

09/01/2008-04/30/2026

National Institute of Allergy and Infectious Diseases

North American AIDS Cohorts Collaboration on Research and Design (NA-ACCORD)

This is the North America response to IeDEA, and for which KP Northern California and Mid-Atlantic States participates. It is a collaborative cohort compendium and analysis for purposes of achieving sufficient power to address issues that could not be adequately addressed by single cohorts.

Role: Site Principal Investigator and member of Executive Committee

5U01AA026230

Silverberg (PI)

09/15/2017-08/31/2025

National Institute of Health via Kaiser Permanente Northern California

COMpAAAS Tripartite: ART-CC, KP, and VA

The purpose of the overall study is to participate in a scientific collaboration across three grant partners to assemble data sets, including electronic health record data concerning HIV, especially related to cardiovascular disease and substance use, including alcohol.. Partners will interpret and disseminate results of the study through conference abstracts and manuscripts.

Role: Site Principal Investigator

COMPLETED/INACTIVE

R24AI152598

Castel (PI)

06/01/2021-05/31/2023

National Institute of Allergy and Infectious Disease

The George Washington University

Measuring the Impact of COVID-19 among a Urban Cohort of PLWH in Washington DC

Purpose is to better understand the interplay of COVID-19 among a population impacted by HIV infection within a defined population in Washington, DC.

Role: Co-investigator

5U01AI069918-S1

Moore (PI)

05/20/2020-06/30/2022

National Institute of Allergy and Infectious Diseases

CIVETS of the North American AIDS Cohorts Collaboration on Research and Design (NA-ACCORD)

The purpose of this study is for the existing NA-ACCORD collaborators to share data collection instruments, algorithms for identifying COVID-19 disease, and analytic approaches to expedite answers to urgent questions in multiple data sources.

Role: Co-Investigator

4291

Silverberg, Horberg (co-PI)

12/15/2017-12/31/2022

Gilead, Inc.

HIV Infection, Use of Tenofovir and Other Antiretrovirals, and Risk of Fatal and Non-Fatal Comorbidities: Cohort study in Kaiser Permanente

The purpose of the overall study is to primarily compare the incidence rate of fatal and non-fatal comorbidities in HIV patients with incidence rates among matched HIV-uninfected controls, and HIV-uninfected individuals prescribed PrEP.

Role: Multiple Principal Investigator

5756 Newman-Toker (PI) 05/15/2018 – 10/31/2020
Gordon & Betty Moore Foundation
National Diagnostic Performance Dashboard to Measure and Track Diagnostic Error Using Big Data.
The goal of this study is to measure and track “missed diagnoses” of sepsis, stroke, and myocardial infarction and display information in ways that can be acted upon to reduce morbidity and mortality.
Role: Site Principal Investigator

5R01DA043139 Silverberg (PI) 09/01/2016-7/31/2023
National Institute on Alcohol, Abuse and Alcoholism
Implementing Computerized Substance Use and Depression Screening and Evidence-Based Treatments in an HIV Primary Care Population
The purpose of the overall study is to address the important topic of alcohol, smoking and other substance use and comorbidity screening and treatment among HIV-impacted patients. This study represents an important next step in the evolution of our top-quality HIV care in the context of an aging HIV patient population and has important implications beyond the Kaiser Permanente system.
Role: Site Principal Investigator

R01HL132640 Silverberg (PI) 12/15/2016-11/30/2022
National Heart, Lung, and Blood Institute
HIV Status and Incidence and Outcomes of Heart Failure
The overall purpose of this study is to work with our clinical and policy leaders in HIV and CHF care to quantify the risk of congestive heart failure (CHF) among HIV-infected patients, which antiretroviral therapy medications have increased risk for CHF and which may be protective, as well as develop care patterns for CHF among our patients with HIV.
Role: Co-Investigator

1R01HL120894-01 Gold (PI) 05/15/2014-04/30/2019
National Heart, Lung, and Blood Institute
SPREAD NET: Practices Enabling Adapting and Disseminating in the Safety NET
This is a study with Dr. Horberg (KPMAS) as site PI with Dr. Rachel Gold (Kaiser Permanente North West) as overall PI. Dr. Horberg’s role in this study is to mentor Dr. Gold on the study design and execution, as well as help derive and evaluate the performance metrics to be used in the study.
Role: Site Principal Investigator

5UM1AI069503 Castel (PI) 12/01/2016-11/30/2020
National Institute on Drug Abuse
The George Washington University
Terry Beirn CPCRA Clinical Trials Unit: A City-wide DC Cohort of HIV Infected Persons in Care in the District of Columbia
The overall purpose of this study is to establish a clinic-based city-wide longitudinal cohort that will describe clinical outcomes in outpatients with HIV/AIDS receiving care in Washington, DC, with the goal of improving HIV/AIDS care in DC.
Role: Site Principal Investigator

GF001034 Adams (PI) 09/01/2017-8/30/2019
Garfield Memorial Fund
Predictive Modeling to Aid Clinical Decision-Making and Improve Diabetic Peripheral Neuropathy
This study aimed to create a model to predict who is more likely among patients with diabetes mellitus to need interventions to improve outcomes for diabetic neuropathy.
Role: Site Principal Investigator

CDRN-1306-04681 McGlynn (PI) 04/08/2014-10/06/2016
PCORI—PCORnet
Patient-Centered Outcomes Research Institute
KP & Strategic Partners Patient Outcomes Research to Advance Learning (PORTAL) Network

In this project, this region will collaborate with patients, clinicians, and operational leaders to develop the infrastructure necessary to create a highly functioning clinical data research network (CDRN).

Role: Site Principal Investigator

R01DA031059-01A1 Linas (PI) 06/15/2012-05/31/2017

National Institute on Drug Abuse

Simulation Modeling to Improve HIV/HCV Screening, Treatment & Care

The overall purpose of this study is for multi-institution, collaborative effort to construct a simulation model of HIV/HCV co-infection that includes HCV screening, linkage to care, loss to follow-up, and treatment for HIV and HCV.

Role: Co-Investigator

Care Management Institute Horberg (PI) 01/15/2007-12/31/2020

Kaiser Permanente HIV Quality Improvement and Performance Program

We seek to determine quantitative measures of HIV care and outcomes in Kaiser Permanente, which has never been done on a systematic basis in a managed care organization previously. We seek to then initiate quality improvement programs where we determine there are opportunities for improvement.

Role: Principal Investigator

R21MH085553-01A1 Horberg (PI) 08/14/2009-07/31/2012

National Institutes of Mental Health

Optimizing Multidisciplinary HIV Care Team for Maximal HAART Adherence

Retrospective cohort study to determine optimized HIV multidisciplinary care team to maximize HAART adherence and other HIV outcomes and minimize urgent care utilization

Role: Principal Investigator

141-9127 01/15/2004-12/31/2007

NIAID Bridge Award

Horberg (PI)

Epidemiology & Clinical Outcome of HIV/HCV Co-Infection

This is a Kaiser Permanente program-wide analysis of an HIV+/HCV+ cohort, including testing rates, compared to the VA's program wide cohort and treatment rates of HIV+/HCV+ patients.

KPNC Community Benefits Research Fund Horberg (PI) 01/1/2010-12/31/2012

Impact of Missed Office Visits on HIV Outcomes and Mortality

A retrospective cohort study investigating the impact of missed office in the first twelve months after HIV diagnosis on later mortality, treatment adherence, and other HIV-related health outcomes. Comparisons will be made to the previously published work at University of Alabama, Birmingham.

Merck Laboratories Horberg (PI) 08/01/2008-12/31/2012

Considerations of Emerging Issues in the Treatment of HIV ("CEITH")

Retrospective cohort study investigating issues of low level viremia in patients on antiretroviral therapy, advanced treatment failure in HIV-infected patients, and uptake of a new antiretroviral drug class in a closed healthcare system.

115-9837 Horberg (PI) 01/1/2007-12/31/2010

KPNC Community Benefits

Differences in Syphilis Incidence, Disease, and Treatment in KPNC HIV Infected and HIV uninfected Populations

An epidemiologic analysis of syphilis disease among HIV-infected compared to HIV-uninfected patients since 1995 in KPNC. Disease stage, response to therapy, and recurrence of syphilis disease is considered.

115-9410 Horberg (PI) 01/1/2007-12/01/2010

Gilead Sciences

Treatment Regimen, Provider, and Clinical Characteristics Associated with Receipt of HAART: An Analysis from Kaiser Permanente

The goal of this retrospective cohort study using data from KPNC, KPNW, KPGA is to determine the predictors of initiating HAART therapy in the modern treatment era and has that changed over time.

115-9058

Shafer (PI)

09/12/2006-09/11/2011

Abbott Laboratories

Economic Implications of Care of HIV-Positive Patients with Multi-Drug Resistance within a Managed Care Population (MDR)

This retrospective study using cost and other data is to determine the added overall cost of patients who are on their third (or likely greater) HAART regimen compared to antiretroviral naive patients beginning their first regimen in the modern HIV treatment era.

Role: Co-investigator

115-9856

Horberg (PI)

10/16/2006-12/31/2010

Gilead Sciences

Effect of Tenofovir on Renal Function--An Observational Cohort Study

We will determine the incidence of change in renal function of patients taking TDF and compare that to patients on other NRTI. We will also attempt to determine if TDF preparation makes a difference (Viread vs. Truvada).

R01HS017528

Meenan(PI)

04/01/2010-01/31/2014

AHRQ

Preventive Health Index for HIV-Infected Population

Retrospective study to assess the impact of preventive health services on the ongoing and long term care of HIV-infected patients in KP. This work will extend the original work on the preventive health index by Tom Vogt, PhD. Data from KPNC, KPSC, KPNW, and KPGA will be utilized.

Role: Site Principal Investigator

PENDING

None.

OVERLAP

None.