

**SEBASTIAN G. LINNEMAYR**  
Senior Economist  
Professor, Pardee RAND Graduate School  
Co-director, Behavioral HIV Research Group  
*RAND Corporation*

May 2022

**POSITIONS AND HONORS**

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- 2020: Recipient of RAND-Initiated Research Award for “COVID-19 and its impact on Latinx sexual and gender minority adults in L.A. County” (together with Sarah MacCarthy)
- 2018: Harold and Colene Brown Faculty Chair, *Pardee RAND Graduate School*
- 2016 – present: Senior Economist, *RAND Corporation*
- 2016: RAND Silver Medal Award for applying behavioral economics principles to improving HIV care
- 2015 – 2020: Co-director, Behavioral HIV Interest Group, *RAND Corporation*
- 2013 – 2016: Associate Director, Research and Policy in International Development (RAPID)
- 2012 – 2016: Full Economist, *RAND Corporation*
- 2011 – present: Faculty, *Pardee RAND Graduate School (PRGS)*
- 2009 – 2012: Associate Economist, *RAND Corporation*
- 2007 – 2009: Post-doctoral Research Fellow working with Professors David Bloom and David Canning, *Program on the Global Demography of Aging (PGDA), Harvard University*
- 2005 – 2007: Summer intern and external consultant for the *Development Economics Research Group, The World Bank*
- 2005 – 2007: Research assistant to Pierre Jacquet, Chief Economist, *French Development Agency*

**EDUCATION**

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- Ph.D. – M.Phil. Economics, Inserm U372/Paris School of Economics – Oxford University, 2008 (with Honors)
- M.A. International Relations, School for Advanced International Studies (SAIS), Johns Hopkins University, 2004 (joint degree with Oxford University)
- M.A. International Business Administration, University of Vienna, 2000 (with Honors)

**TEACHING AND MENTORING EXPERIENCE**

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- 2018 – present: Doctoral Committee Chair for Uzaib Saya, Pardee RAND Graduate School (PRGS)
- 2018: Applying Behavioral Insights and Behavioral Economics, Pardee RAND Graduate School (PRGS), with Sean Grant
- 2017: Behavioral Economics for Public Policy, Pardee RAND Graduate School (PRGS), with Salar Jahedi
- 2016 – 2019: Doctoral Committee Member for Gursel Aliyev, Pardee RAND Graduate School (PRGS)
- 2014 – 2018: Advisory Committee Member for Larissa Jennings (NIH K01 Award), Assistant Professor at the Johns Hopkins Bloomberg School of Public Health (JHSPH)
- 2013 – 2017: Doctoral Committee Member for Chad Stecher, Department of Economics, UCLA
- 2013 – 2018: Doctoral Committee Chair for Crystal Huang, Pardee RAND Graduate School (PRGS)
- 2011 – present: Faculty, Pardee RAND Graduate School
- 2008/2009: GHP274 Applied Quantitative Methods, Harvard School of Public Health, Instructor (*Derek Bok Award for Excellence in Teaching*)
- 2007/2008: TA to Prof. Erica Field, Harvard University; Health, Education, and Development Economics
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**\* denotes publications as first or senior author**

- **Linnemayr S\***, Mukasa B. “The impact of the COVID-19 pandemic and associated lockdowns on HIV care, with a focus on Africa”. [Under Review]
- Karam R, Huang W, Khammash U, Glick P, Shaheen M, Brown R, **Linnemayr S**, Massad S. “Exposure to Political Violence and Health Risk Behaviors of Palestinian Youth”. [Under Review]
- **Saya U**, MacCarthy S, Mukasa B, Wabukala P, Lunkuse L, Wagner Z, **Linnemayr S\***. “The one who doesn’t take ART medication has no wealth at all and no purpose on Earth” – a qualitative assessment of how HIV-positive adults in Uganda understand the health and wealth-related benefits of ART”. [Under Review]
- Goggin K, Hurley E, Lee B, Bradley-Ewing A, Bickford C, Pina K, Donis De Miranda E, Yu D, Weltmer K, **Linnemayr S**, Butler C, Newland J, Myers A. “Let’s Talk About Antibiotics: A randomized trial comparing Higher versus Lower Intensity patient-provider communication interventions on antibiotic misuse in two US pediatric ambulatory clinics”. [Under Review]
- Huang C, **Linnemayr S\***. “Moving the Goalpost Closer: Do Flexible Targets Improve the Behavioral Impact of Incentives?”. [Under Review]
- Stecher C, Ghai I, Lunkuse L, Wabukala P, Odiit M, Nakanwagi A, **Linnemayr S\***. “INcentives and ReMINDers to Improve Long-term Medication Adherence (INMIND): Protocol for a pilot randomized controlled trial in Uganda”. [Revise & Resubmit, *Pilot and Feasibility Studies*]
- Saya U, Wagner Z, Mukasa B, Odiit M, **Linnemayr S\***. “The role of material deprivations in determining ART adherence: Evidence from a discrete choice experiment among HIV-positive adults in Uganda”. [Revise & Resubmit, *PLOS Global Public Health*]
- MacCarthy S, Izenberg M, Barreras J, Brooks R, Gonzales A, **Linnemayr S\***. “COVID-19 and Medical Mistrust among Latinx Sexual Minority Men and Latinx Transgender Women in Los Angeles County, California: A Mixed-Methods Study”. [Revise & Resubmit, *The Qualitative Report*]
- Palimaru A, Odiit M, Stecher C, Lunkuse L, Walukaga S, **Linnemayr S\***. “Barriers and facilitators to habit formation in antiretroviral regimens: evidence from a qualitative study in Kampala, Uganda”. [Revise & Resubmit, *Social Science and Medicine*]
- MacCarthy S, Mendoza-Graf A, Mayo-Wilson L, Wagner Z, Saya U, Chemusto H, Mukasa B, **Linnemayr S\***. “A Qualitative Exploration of Health-Related Present Bias among HIV-positive Adults in Uganda”. [Published online at *AIDS Care* on 21 Nov 2021] doi: 10.1080/09540121.2021.2004298
- Wagner Z, Mukasa B, Nakakande J, Stecher C, Saya U, **Linnemayr S\***. “The Impact of the Covid-19 Pandemic On Use of HIV Care, Antiretroviral Therapy Adherence, and Viral Suppression: An Observational Cohort Study From Uganda”. *JAIDS* 2021; 15;88(5):448-456. doi: 10.1097/QAI.0000000000002811.
- Pedersen E, **Linnemayr S**, Shadel W, Zutshi R, DeYoreo M, Cabrerros I, Tucker J. “Substance use and mental health outcomes from a text messaging-based intervention for smoking cessation among young people experiencing homelessness”. *Nicotine & Tobacco Research* 2022; 24(1):130-134. doi.org/10.1093/ntr/ntab160.
- Wagner G, Wagner Z, MacCarthy S, Saya U, Tebeka M, Mukasa B, Wabukala P, **Linnemayr S\***. “Increased depression during COVID-19 lockdown associated with economic stressors and ART non-adherence among people living with HIV in Uganda”. [*AIDS and Behavior* 2021 Sep 27. doi: 10.1007/s10461-021-03371-0. Online ahead of print.]
- Wagner G, Wanyenze R, Beyeza-Kashesya J, Gwokyalya V, Hurley E, Mindry D, Finocchiaro-Kessler S, Nanfuka M, Tebeka M, Saya U, Booth M, Ghosh-Dastidar B, **Linnemayr S**, Staggs V, Goggin K. “Our Choice improves use of safer conception methods among HIV serodiscordant couples in Uganda: A cluster randomized controlled trial evaluating two implementation approaches”. *Implementation Science* 2021; 16(41). <https://doi.org/10.1186/s13012-021-01109-z>.
- Tucker J, **Linnemayr S**, Pedersen E, Shadel W, Zutshi R, De Yoreo M, Cabrerros I. “Pilot Randomized Clinical Trial of a Text Messaging-Based Intervention for Smoking Cessation Among Young People

- Experiencing Homelessness". *Nicotine & Tobacco Research* 2021; <https://doi.org/10.1093/ntr/ntab055>.
- Stecher C, Mukasa B, **Linnemayr S\***. "Uncovering a Behavioral Strategy for Establishing New Habits: Evidence from Incentives for Medication Adherence in Uganda". *Journal of Health Economics* 2021; 16(77). doi: 10.1016/j.jhealeco.2021.102443.
  - **Linnemayr S\***, Zutshi R, Shadel W, Pedersen E, De Yoreo M, Tucker J. "Text Messaging Intervention for Young Smokers Experiencing Homelessness: Lessons Learned from a Randomized Controlled Trial". *JMIR Mhealth Uhealth* 2021; 9(4):e23989. doi: 10.2196/23989.
  - Stecher C, **Linnemayr S\***. "Promoting antiretroviral therapy adherence habits: a novel approach based on a synthesis of economic and psychological theories of habit formation". *AIDS* 2021; 35:711-716 doi: 10.1097/QAD.0000000000002792.
  - MacCarthy S, Mendoza A, Wagner Z, Barreras J, Kim A, Giguere R, Carballo-Dieguez A, **Linnemayr S\***. "The acceptability and feasibility of a pilot study examining the impact of a mobile technology-based intervention informed by behavioral economics to improve HIV knowledge and testing frequency among Latinx sexual minority men and Latinx transgender women". *BMC Public Health* 2021; 21(1):341. doi: 10.1186/s12889-021-10335-5.
  - **Linnemayr S\***, Jennings Mayo-Wilson L, Saya U, Wagner Z, MacCarthy S, Walukaga S, Nakubulwa S, Karamagi Y. "HIV care experiences during the COVID-19 pandemic: mixed-methods telephone interviews with clinic-enrolled HIV-infected adults in Uganda". *AIDS and Behavior* 2021; 25(1):28-39. doi: 10.1007/s10461-020-03032-8.
  - MacCarthy S, Izenberg M, Barreras J, Brooks R, Gonzales A, **Linnemayr S\***. "Rapid mixed-methods assessment of COVID-19 impact on Latinx sexual minority men and transgender women". *PLOS ONE* 2020; 15(12):e0244421. doi: 10.1371/journal.pone.0244421.
  - **Linnemayr S\***, Barreras J, Izenberg M, Brooks R, Gonzales A, MacCarthy S. "Longitudinal Assessment of Changes in Mental and Sexual Health Outcomes Due to COVID-19 among Latinx Sexual Minority Men and Transgender Women". *JAIDS* 2020; 85(5):e90-e92. doi: 10.1097/QAI.0000000000002507.
  - MacCarthy S, Wagner Z, Barreras J, Kim A, Mendoza-Graf A, Giguere R, Carballo-Dieguez A, **Linnemayr S\***. "Using Behavioral Economics to Increase HIV Knowledge and Testing Among Latinx Sexual Minority Men and Transgender Women: A Quasi-Experimental Pilot Study". *JAIDS* 2020; 85(2):189-194. doi: 10.1097/QAI.0000000000002433.
  - Goggin K, Hurley E, Bradley-Ewing A, Bickford C, Lee B, Pina K, De Miranda E, Mackenzie A, Yu D, Weltmer K, **Linnemayr S**, Butler C, Miller M, Newland J, Myers A. "Reductions in Parent Interest in Receiving Antibiotics Following a 90-Second Video Intervention in Outpatient Pediatric Clinics." *J Pediatr* 2020; 225:138-145.e1. doi: 10.1016/j.jpeds.2020.06.027.
  - Jennings Mayo-Wilson L, Coleman J, Timbo F, Ssewamala F, **Linnemayr S**, Yi G, Kang B, Johnson M, Yenokyan G, Dodge B, Glass N. "Microenterprise Intervention to Reduce Sexual Risk Behaviors and Increase Employment and HIV Preventive Practices Among Economically-Vulnerable African-American Young Adults (EMERGE): A Feasibility Randomized Clinical Trial." *AIDS and Behavior* 2020; 20(1):439. doi: 10.1186/s13063-019-3529-7.
  - Jennings Mayo-Wilson L, Glass NE, Labrique A, Davoust M, Ssewamala F, **Linnemayr S**, Johnson MW. "Feasibility of assessing economic and sexual risk behaviors using text message surveys in African-American young adults experiencing homelessness and unemployment: a single-group study". *JMIR Formative Research*. 2020; 4(7):e14833. doi: 10.2196/14833.
  - MacCarthy S, Wagner Z, Mendoza-Graf A, Gutierrez C, Samba C, Birungi J, Okoboi S, **Linnemayr S\***. "A randomized controlled trial study of the acceptability, feasibility, and preliminary impact of SITA (SMS as an Incentive To Adhere): A mobile technology-based intervention informed by behavioral economics to improve ART adherence among youth in Uganda". *BMC Infectious Diseases*. 2020; 20:173. doi: 10.1186/s12879-020-4896-0.
  - Tucker J, Pedersen E, **Linnemayr S**, Shadel W, DeYoreo M, Zutshi R. "A Text Message Intervention for Quitting Cigarette Smoking Among Young Adults Experiencing Homelessness: Study Protocol for a

- Pilot Randomized Controlled Trial". *Addiction Science & Clinical Practice* 2020; 15(11). doi.org/10.1186/s13722-020-00187-6.
- Wagner G, Glick P, Khammash U, Shaheen M, Brown R, Goutam P, Karam R, **Linnemayr S**, Massad S. "Exposure to violence and its relationship to mental health in Palestinian youth". *East Mediterr Health J.* 2020; 26(2):189-197. doi: 10.26719/2020.26.2.189.
  - Wagner G, Ghosh-Dastidar B, Mukasa B, **Linnemayr S\***. "Changes in ART Adherence Relate to Changes in depression as Well! Evidence for the Bi-directional Longitudinal Relationship Between Depression and ART Adherence from a Prospective Study of HIV Clients in Uganda". *AIDS and Behavior* 2020; 24(6):1816-1824. doi: 10.1007/s10461-019-02754-8.
  - **Linnemayr S\***, Stecher C, Saya, U, MacCarthy S, Wagner Z, Jennings L, Mukasa B. "Behavioral Economics Incentives to Support HIV Treatment Adherence (BEST): Protocol for a randomized controlled trial in Uganda". *Trials* 2020; 21(9). https://doi.org/10.1186/s13063-019-3795-4.
  - Jennings Mayo-Wilson L, Devoto B, Coleman J, Mukasa B, Shelton A, MacCarthy S, Saya U, Chemusto H, **Linnemayr S\***. "Habit formation in support of antiretroviral medication adherence in clinic-enrolled HIV-infected adults: a qualitative assessment using free-listing and unstructured interviewing in Kampala, Uganda". *AIDS Res Ther* 2020; 17(30). doi: 10.1186/s12981-020-00283-2.
  - MacCarthy S, Barreras J, Mendoza-Graf A, Galvan F, **Linnemayr S\***. "Strategies for improving mobile technology-based HIV prevention interventions with Latino Men who have sex with men and Latina transgender women". *AIDS Education and Prevention* 2019; 31(5):407-420. doi: 10.1521/aeap.2019.31.5.407.
  - Vincent W, Sevelius J, Lippman SA, **Linnemayr S**, Arnold E. "Identifying Opportunities for Collaboration Across the Social Sciences to Reach the 10-10-10: A Multilevel Approach". *JAIDS* 2019; 82:S118-S123. doi: 10.1097/QAI.0000000000002170.
  - Tucker J, **Linnemayr S**, Pedersen E, Shadel W, Rushil Z, Mendoza-Graf A. "Developing a text message-based smoking cessation intervention for young smokers experiencing homelessness". *Journal of Smoking Cessation* 2019; 15(1):1:9. doi.org/10.1017/jsc.2019.24
  - MacCarthy S, Mendoza-Graf M, Saya U, Samba C, Birungi J, Okoboi S, **Linnemayr S\***. "Lessons learned from a mobile technology-based intervention informed by behavioral economics to improve ART adherence among youth in Uganda". *AIDS Care* 2019; 28:616-622. doi: 10.1080/09540121.2019.1622630.
  - MacCarthy S, Graf-Mendoza A, Huang H, Mukasa B, **Linnemayr S\***. "Supporting Adolescents to Adhere (SATA): Lessons learned from an intervention using small incentives with weekly text messaging to achieve medication adherence targets". *Children and Youth Services Review* 2019; 102:56-62. doi 10.1016/j.childyouth.2019.04.007.
  - Towe V, Wiewel E, Zhong Y, **Linnemayr S**, Johnson R, Rojas J. "A Randomized Controlled Trial of a Rapid Re-housing Intervention for Homeless Persons Living with HIV/AIDS: Impact on Housing and HIV Medical Outcomes". *AIDS and Behavior* 2019; 23(9):2315-2325. doi: 10.1007/s10461-019-02461-4.
  - Wagner G, McBain R, Akena D, Ngo V, Nakigudde J, Nakku J, Chemusto H, Beyeza-Kashesya, J, Gwokyalya V, Faherty L, Kyohangirwe L, Nabitaka L, Lukwata H, **Linnemayr S**, Ghosh-Dastidar B, Businge J, Mukasa B, Wanyenze R. "Maternal depression treatment in HIV (M-DEPTH): Study protocol for a cluster randomized controlled trial". *Medicine* 2019; 98(27):e16329. doi: 10.1097/MD.00000000000016329.
  - Barreras J, **Linnemayr S**, MacCarthy S. "We have a stronger survival mode": exploring knowledge gaps and culturally sensitive messaging of PrEP among Latino men who have sex with men and Latina transgender women in Los Angeles, CA". *AIDS Care* 2019; 31(10):1221-1227. doi: 10.1080/09540121.2019.1601669.
  - Glick P, Khammash U, Shaheen M, Brown R, Goutam P, Karam R, **Linnemayr S**, Massad S. "Perceived peer norms, health risk behaviors, and clustering of risk behaviors among Palestinian youth". *PLOS ONE* 2018; 13(6): e0198435. doi: 10.1371/journal.pone.0198435.

- **Linnemayr S\***, MacCarthy S, Kim A, Giguere R, Carballo-Dieguez A, Barreras J. “Behavioral economics-based incentives supported by mobile technology on HIV knowledge and testing frequency among Latino/a men who have sex with men and transgender women: Protocol for a randomized pilot study to test intervention feasibility and acceptability”. *Trials* 2018; 19:540. doi: 10.1186/s13063-018-2867-1.
- **Linnemayr S\***, MacCarthy S, Wagner Z, Barreras J, Galvan F. “Using Behavioral Economics to Promote HIV Prevention for Key Populations”. *J AIDS Clin Res* 2018; 9(11):780. doi: 10.4172/2155-6113.1000780.
- MacCarthy S, Saya U, Samba C, Birungi J, Okoboi S, **Linnemayr S\***. “How am I going to live?": Exploring barriers to ART adherence among older adolescents living with HIV in Uganda”. *BMC Public Health* 2018; 18:1158. doi: 10.1186/s12889-018-6048-7.
- Glick P, Al-Khammash U, Shaheen M, Brown R, Goutam P, Karam R, **Linnemayr S**, Massad S. “Health risk behaviours of Palestinian youth: Findings from a representative survey”. *EMHJ* 2018; 24(2):127-136.
- Goggin K, Bradley-Ewing A, Myers A, Lee B, Hurley E, Delay K, Schlachter S, Ramphal A, Pina K, Yu D, Weltmer K, **Linnemayr S**, Butler C, Newland J. “Protocol for a randomised trial of higher versus lower intensity patient–provider communication interventions to reduce antibiotic misuse in two paediatric ambulatory clinics in the USA”. *BMJ Open* 2018; 8:e020981. doi:10.1136/bmjopen-2017-020981.
- **Linnemayr S\***, Huang H, Luoto J, Kambugu A, Thirumurthy H, Haberer J, Wagner G, Mukasa B. “Reminding adolescents to adhere: One-year results from a randomized trial of text messaging for improving ART adherence”. *American Journal of Public Health* 2017; 107(12):1944-1950. doi: 10.2105/AJPH.2017.304089.
- Jennings L, Conserve D, Merrill J, Kajula L, Iwelunmor J, **Linnemayr S**, Maman S. “Perceived cost advantages and disadvantages of purchasing HIV self-testing kits among urban Tanzanian men: An inductive content analysis”. *Journal of AIDS & Clinical Research* 2017; 8(8):725. doi: 10.4172/2155-6113.1000725.
- Jennings L, Mathai M, **Linnemayr S**, Trujillo A, Mak’anyengo M, Montgomery B, Latkin C, Kerrigan D. “Economic context and HIV vulnerability in adolescents and young adults living in urban slums in Kenya: A qualitative analysis based on scarcity theory”. *AIDS and Behavior* 2017; 21(9):2784-2798. doi: 10.1007/s10461-017-1676-y.
- Wagner GJ, **Linnemayr S**, Goggin K, Mindry D, Beyeza-Kashesya J, Finocchiaro-Kessler S, Robinson E, Birungi J, Wanyenze RK. “Prevalence and correlates of use of safer conception methods in a cohort of Ugandan HIV-affected couples with fertility intentions”. *AIDS and Behavior* 2017; 21(8):2479-2487. doi: 10.1007/s10461-017-1732-7.
- **Linnemayr S\***, Stecher C, Mukasa B. “Behavioral economic incentives to improve adherence to antiretroviral medication”. *AIDS* 2017; 31(5):719-726. doi: 10.1097/QAD.0000000000001387.
- Bogart L, Wagner G, Musoke W, Naigino R, **Linnemayr S**, Maistrellis E, Klein D, Jumamil R, Mukasa B, Bassett I, Giordano T, Wanyenze R. “A comparison of home-based versus outreach event-based community HIV testing in Ugandan fisherfolk communities”. *AIDS and Behavior* 2017; 21(2):547-560. doi: 10.1007/s10461-016-1629-x.
- Shaheen M, Karam R, Brown R, Glick P, Massad S, **Linnemayr S**, Khammash U. “Perceptions of violence among young people in the West Bank: a qualitative investigation”. *The Lancet* 2017; 390:S42. doi: 10.1016/S0140-6736(17)32043-3.
- **Linnemayr S\***, Buzaalirwa L, Balya J, Wagner G. “A microfinance program targeting people living with HIV in Uganda: Client characteristics and program impact”. *Journal of the International Association of Providers of AIDS Care* 2016; ;16(3):254-260. doi: 10.1177/2325957416667485.
- Massad S, Shaheen M, Karam S, Brown R, Glick P, **Linnemayr S**, Khammash U. “Substance use among Palestinian youth in the West Bank, Palestine: A qualitative investigation”. *BMC Public Health* 2016; 16:800. doi: 10.1186/s12889-016-3472-4.
- Wagner G, **Linnemayr S**, Ghosh-Dastidar B, Currier J, Hoffman R, Schneider S. “Supporting Treatment Adherence Readiness Through training (START) for patients with HIV on antiretroviral therapy:

- Study protocol for a randomized controlled trial". *Trials* 2016; 17:162. <https://doi.org/10.1186/s13063-016-1287-3>.
- **Linnemayr S\***, O'Hanlon C, Uscher-Pines L, Van Abel K, Nelson C. "Using insights from behavioral economics to strengthen disaster preparedness and response". *Disaster Medicine and Public Health Preparedness* 2016; 10(5):768-774. <https://doi.org/10.1017/dmp.2016.29>.
  - **Linnemayr S\***, Rice T. "Insights from behavioral economics to design more effective incentives for improving chronic health behaviors, with an application to adherence to antiretrovirals". *JAIDS* 2016; 72(2):e50-e52. doi: 10.1097/QAI.0000000000000972.
  - Thirumurthy H, Hayahsi K, **Linnemayr S**, Vreeman R, Levin I, Bangsberg D, Brewer N. "Time preferences predict mortality among HIV-infected adults receiving antiretroviral therapy in Kenya". *PLOS ONE* 2015; 10(12):e0145245. doi:10.1371/journal.pone.0145245.
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  - Rana Y, Haberer J, Huang C, Kambugu A, Mukasa B, Thirumurthy H, Wabukala P, **Linnemayr S\***. "Short Message Service (SMS)-based intervention to improve treatment adherence among HIV-positive youth in Uganda: Focus group findings". *PLOS ONE* 2015; 10(4):e0125187. doi: 10.1371/journal.pone.0125187.
  - **Linnemayr S\***. "HIV Prevention through the Lens of behavioral economics". *JAIDS* 2015; 68(4):e61-e63. doi:10.1097/QAI.0000000000000499.
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  - Rana Y, Mukasa B, Kambugu A, Wabukala P, Huang C, Wagner G, **Linnemayr S\***. "Feasibility of a Short Message Service based intervention to improve adherence among HIV-positive youth in Uganda: a focus group study". *BMC Infect Dis* 2014; 14(E45). <https://doi.org/10.1186/1471-2334-14-S3-E45>.
  - Martinez H, Palar K, **Linnemayr S**, Smith A, Derose KP, et al. "Tailored nutrition education and food assistance improve adherence to HIV antiretroviral therapy: Evidence from Honduras". *AIDS and Behavior* 2014; 18 Suppl 5(0 5):S566-77. doi: 10.1007/s10461-014-0786-z.
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  - **Linnemayr S\***, Glick P, Kityo C, Mugenyi P, Wagner G. "Prospective cohort study of the impact of antiretroviral therapy (ART) on employment outcomes among HIV clients in Uganda". *AIDS Patient Care and STDs* 2013; 27(12):707-714. doi: 10.1089/apc.2013.0139.
  - Mindry D, Wagner G, Lake J, Smith A, **Linnemayr S**, et al. "Fertility desires among HIV-infected men and women in Los Angeles County: Client needs and provider perspectives". *Maternal and Child Health Journal* 2013; 17(4):593-600. doi: 10.1007/s10995-012-1035-6.
  - Wagner G, **Linnemayr S**, Kityo C, Mugenyi P. "Factors associated with intention to conceive and its communication to providers among HIV clients in Uganda". *Maternal and Child Health Journal* 2012; 16(20):510-518. doi: 10.1007/s10995-011-0761-5.

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- **Linnemayr S\***, Alderman, H. “Almost random: Evaluating a large-scale randomized nutrition program in the presence of crossover”. *Journal of Development Economics* 2011; 96(1):106-114. <https://doi.org/10.1016/j.jdeveco.2010.06.002>.
- **Linnemayr S\***, Stearns-Lawson B, Glick P, Wagner G. “Economic status and coping mechanisms of individuals seeking HIV care in Uganda”. *Journal of African Economies* 2011; 20(3):505-529. <https://doi.org/10.1093/jae/ejr014>.
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- Alderman H, **Linnemayr S**. “Anemia in low-income countries is unlikely to be addressed by economic development without additional programs”. *Food and Nutrition Bulletin* 2009; 30(3):265-269. doi: 10.1177/156482650903000308.
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- **Linnemayr S\***, Alderman H, Ka A. “Determinants of malnutrition in Senegal: Individual, household, community variables and their interaction”. *Economics and Human Biology* 2008; 6(2):252-263. doi: 10.1016/j.ehb.2008.04.003.

#### OTHER PUBLICATIONS

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- Linnemayr S\***. Behavioral Economics and HIV: A Review of Existing Studies and Potential Future Research Areas. In: *Behavioral Economics and Healthy Behaviors: Key Concepts and Current Research*. Yaniv Hanoch, Andrew Barnes, Thomas Rice (editors), Routledge Taylor & Francis Group, 2017.
- Glick P, **Linnemayr S\***. Family Planning in Sub-Saharan Africa: The Role of Supply and the Rationale for Public Action. In: *People-Powered Growth: The Demographic Dividend and the Future African Lions*. David Canning, Sangeeta Raja, and Abdo Yazbeck (editors), Worldbank, 2016.
- DaVanzo J, **Linnemayr S**, Glick P, Apaydin E. Evaluation of the Population and Poverty Research Initiative (PopPov). Santa Monica, CA: RAND Corporation, 2014. [http://www.rand.org/pubs/research\\_reports/RR527z1.html.html](http://www.rand.org/pubs/research_reports/RR527z1.html.html).
- Linnemayr S\***, Ryan GW, Karir V, Liu J, Palar K. Negotiation Strategies for Antiretroviral Drug Purchasers in the United States. Santa Monica, CA: RAND Corporation, 2012. [http://www.rand.org/pubs/technical\\_reports/TR1237](http://www.rand.org/pubs/technical_reports/TR1237).
- Linnemayr S\***, Ryan GW, Liu J, Palar K. Value for Money in Donor HIV Funding. Santa Monica, CA: RAND Corporation, 2011. [http://www.rand.org/pubs/technical\\_reports/TR1158](http://www.rand.org/pubs/technical_reports/TR1158).

#### RECENT PRESENTATIONS (SELECTED)

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- Population Association of America 2022, Atlanta (Presenter)
- American Public Health Association Annual Meeting and Expo 2021, Chicago (Presentation)
- New York University Silver School of Social Work 2021, New York City (Invited Lecture)
- Population Association of America 2020 (Presenter); conference cancelled
- Contingency Management Workshop, UCLA 2019 (Invited Panel Speaker)
- UPENN LDI CHIBE Behavioral Economics and Health Symposium 2019, Philadelphia (Presenter)
- Brown Bag Lunch, Behavioral and Structural Interventions Branch in the Office of HIV/AIDS and the Adherence Working Group, USAID 2018, Washington DC
- Brown Bag Lunch, The Poverty & Equity GP and eMBed, World Bank 2018, Washington DC
- 13th International Conference on HIV Treatment and Prevention Adherence 2018, Miami (Faculty and Plenary Speaker)
- Center for AIDS Research, University of Washington 2018, Seattle (Invited Speaker)

- 2<sup>nd</sup> Annual NIH Behavioral and Social Sciences Research Festival 2017, Bethesda (Invited Speaker)
- International Conference on HIV Prevention and Treatment Adherence 2017, Miami (Presenter)
- Banbury Conference on Maximizing Impact of New HIV Prevention Technologies in Sub-Saharan Africa 2017, Lloyd Harbor, New York (Invited Participant)
- Los Angeles Global Health Conference 2017, UCLA (Invited Speaker)
- International AIDS Conference 2016, Durban, South Africa (Invited Panel Speaker)
- UPENN LDI CHIBE Behavioral Economics and Health Symposium 2015, 2016, Philadelphia (Presenter)
- Wireless Health 2015, National Institutes of Health (NIH), Bethesda (Presenter)
- 'Future of mHealth and Adherence', NIH 2015 (Invited Participant, Expert Panel)
- Working Group, Microbicide Trials Network (MTN), Washington DC 2015 (Invited Participant)
- Academic Scholarship Conference Series, Children's Mercy Hospital, Kansas City 2015 (Invited Speaker)
- Annual Meeting, Microbicide Trials Network (MTN), Washington DC 2015 (Invited Plenary Speaker)
- Behavioral Economic Principles and their Implications for Treatment Adherence: The Case of HIV/AIDS, NIH Adherence Network Distinguished Speaker Series 2014
- The role of relationships in HIV prevention among young women in Africa, NIH 2014 (Invited Participant)
- Rethinking HIV prevention for young African women, Boston 2014 (Invited Participant)
- International Conference on HIV Prevention and Treatment Adherence 2014, Miami (Invited Plenary Speaker)
- Creating Desire for Microbicides, Microbicide Trials Network (MTN), Washington DC 2014 (Invited Speaker)
- Center for Drug Use and HIV Research, New York University, New York 2014 (Invited Speaker)
- Grand Rounds, HIV Center for Clinical and Behavioral Studies, New York 2014 (Invited Speaker)

#### REFEREEING

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*AIDS, AIDS and Behavior, AIDS Care, Demographic Research, Demography, Economic Development and Cultural Change, Economics and Human Biology, Health Economics, Journal of Acquired Immune Deficiency Syndromes, Journal of Business & Economic Statistics, Journal of Development Economics, Lancet HIV, PLOS ONE, Population and Development Review, Population Economics, Proceedings of the National Academy of Sciences, Social Science and Medicine, Tropical Medicine & International Health, World Development*

#### REVIEW SECTIONS

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NIH Loan Repayment Program (LRP) Review 2020/08 ZHD1 DSR-K (91) 1, March 2021  
 NIH Loan Repayment Program (LRP) Review 2020/08 ZHD1 DSR-K (90) 1, March 2020  
 CDC / National Center for HIV, STD, and TB Prevention Special Emphasis Panel 2019/05 Council ZPS1 GCA 30 R, April 2019  
 NIH Loan Repayment Program (LRP) Review, April 2019  
 NIH Member of the standing study section HIV/AIDS Intra- and Inter-personal Determinants and Behavioral Interventions Study Section (HIBI), 11/2018 – 12/2019  
 NIH Loan Repayment Program (LRP) Review, April 2018  
 NIH Special Emphasis Panel, Special Emphasis Panel ZHD1 DSR-K LR 1, February 2018  
 NIH Special Emphasis Panel, ZRG1 AARR-G 02, December 2017  
 NIH Loan Repayment Program (LRP) Review, April 2017  
 NIH Special Emphasis Panel, ZRG1 AARR-F(52)/ ZRG1 AARR-K(52), March 2017  
 NIH Review PA 14-344 and PA 14-029, January 2017  
 NIH Loan Repayment Program (LRP) Review, August 2016  
 CDC / National Center for HIV, STD, and TB Prevention Special Emphasis Panel 2016/05 Council ZPS1 GCA 23 R, May 2016  
 NIH Adolescent Medicine Trials Network for HIV/AIDS Interventions (ATN) Coordinating Center (CC) (U24) (SEP), 2016/05 ZHD1 DSR-N (51) 1, April 2016  
 NIH Special Emphasis Panel, ZHD1 DSR-K SBIR/STTR, December 2015  
 NIH Special Emphasis Panel, ZDE1 CF, August 2015



**RESEARCH SUPPORT**

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**ONGOING**

R01 HD104555 (mPIs: Huang and **Linnemayr**) 12/1/2020 – 11/30/2025

NICHD/NIH: Goals for Adherence with Low-cost Incentives (GOALS)

This study aims to improve ART adherence among youth living with HIV by providing small incentives based on insights from behavioral economics, combined with text messages sent by mobile phone. The approach is particularly targeted at those with low adherence as it allows to adjust eligibility thresholds for incentives to participants' initial adherence, thereby reducing health inequality and facilitating high, long-term ART adherence for a particularly vulnerable group of HIV clients.

Role: *Principal Investigator*

R34 MH122331 (PI: **Linnemayr**) 7/1/2020 – 6/30/2023

NIMH/NIH: Incentives and ReMINDers to Improve Long-term Medication Adherence (INMIND)

This study aims to increase ART adherence among treatment initiators by anchoring pill-taking to an existing routine behavior with the help of small incentives based on principles from behavioral economics in combination with text messages sent by mobile phone.

Role: *Principal Investigator*

R21 HL156132 (mPIs: Ebinger and **Linnemayr**) 5/1/2021 – 4/30/2023

NHLBI/NIH: Behavioral Economics to improve Antihypertensive Therapy Adherence (BETA)

This study aims to leverage behavioral economic insights to improve medication adherence to antihypertensive medications. Specifically, we propose to complement linking medication taking to a daily routine with two added components to make it easier for participants to stick to their anchoring plan: increasing information salience through frequent text messages and providing intermittent rewards for pill-taking according to the anchoring plan.

Role: *Principal Investigator*

R01 MH110350 (PI: **Linnemayr**) 9/13/2017 – 6/30/2022

NIMH/NIH: Behavioral Economics Incentives to Support HIV Treatment Adherence in Sub-Saharan Africa

The goal of the study is to develop and test a potentially cost-effective and scalable ART adherence intervention in a two-year randomized controlled trial based on the Information-Motivation-Behavioral Skills theory complemented by Behavioral Economics principles. The intervention will be implemented among 330 clients in HIV care in Uganda, with six months post- intervention observation to evaluate impact persistence.

Role: *Principal Investigator*

R01 MH126691 (mPIs: Wagner, Bogart) 9/1/2021 – 8/31/2026

NIMH/NIH: Controlled Trial of Game Changers: A Group Intervention to Train HIV Clients to be Change Agents for HIV Prevention in Uganda

This randomized controlled trial will test Game Changers, a peer-led group intervention that trains persons living with HIV as change agents for HIV prevention in their social networks in Uganda.

Role: *Co-Investigator*

**COMPLETED (selected)**

R01 NR017334 (PI: Bogart) 5/1/2017 – 3/31/2022

NINR: A Randomized Controlled Trial of an Antiretroviral Treatment Adherence Intervention for HIV+ African Americans

This research is a randomized controlled trial of a culturally congruent antiretroviral treatment adherence intervention for African Americans living with HIV.

Role: *Co-Investigator*

Grant 271P-0051 (PI: Tucker) 4/1/2018 – 3/31/2020

University of California Tobacco-Related Disease Research Program: Text Messaging-Based Smoking Cessation Program for Homeless Youth

The goals of this project include developing and pilot testing a text messaging-based smoking cessation program for homeless youth in drop-in center settings.

Role: *Co-Investigator*

R01 MH104086 (PI: Wagner)

2/1/2014 – 11/30/2019

NIMH: Controlled Evaluation of the Adherence Readiness Program for ART Adherence

This multi-site randomized controlled trial will examine effects of an adherence counseling intervention on HIV treatment adherence and virologic suppression over 24 months of follow-up in a sample of 240 participants, as well as a cost-effectiveness analysis.

Role: *Co-Investigator*

R34 MH109373 (PI: **Linnemayr**)

7/1/2016 – 6/30/2019

NIMH/NIH: Mobile Technology and Incentives (MOTIVES) for Racial and Ethnic Minorities in Los Angeles

The goal of the study is to implement propose a mobile technology-based and BE-supported HIV prevention intervention to increase engagement with HIV prevention information and adherence to testing guidelines. The intervention group will receive weekly text messages with HIV prevention information and will be encouraged to get re-tested at least once every three months.

Role: *Principal Investigator*

R01 HD074925-04S1 (PI: **Linnemayr**)

5/1/2015 – 1/31/2018

Administrative Supplement to NICHD/NIH: Improving Drug Adherence among Adolescents in Uganda using SMS Reminders

In this administrative supplement, the aim is to evaluate the role of text messages as reminders to participants to maintain high adherence to be able to qualify for small lottery rewards. We implement a randomized controlled trial that tests two different ways of such reminders compared to a control group receiving traditional reminder messages.

Role: *Principal Investigator*

R01 HD074925 (PI: **Linnemayr**)

2/1/2013 – 1/31/2018

NICHD/NIH: Improving Drug Adherence among Adolescents in Uganda using SMS Reminders

The goal of the study is to develop and test potentially cost-effective and scalable short message service (SMS)-based interventions to improve adherence to ART and pre-ART prophylaxis, as well as retention in care among HIV-positive young patients aged 15-24 at two clinics in Uganda. We implement a randomized controlled trial that tests one-way versus two-way text messages, the latter allowing recipients to respond to the message.

Role: *Principal Investigator*

R21 MH107218 (PI: **Linnemayr**)

1/22/2015 – 12/31/2016

NIMH/NIH: SMS as an Incentive To Adhere (SITA)

This proposal suggests two novel approaches of using SMS messages (provision of information about electronically measured own adherence, as well as in combination with group adherence level of a reference group that we hypothesize to exert normative influence) to improve adherence to ART and pre-ART prophylaxis at Mildmay clinic in Uganda.

Role: *Principal Investigator*

R34 MH096609 (PI: **Linnemayr**)

7/26/2012 – 5/31/2016

NIMH/NIH: Variable Rewards Incentives for ART Adherence in Uganda

The goal of the study is to identify ways for implementing a variable rewards mechanism that is feasible and sustainable in resource-poor settings. Findings will inform the design parameters of a larger, more rigorous evaluation in an R01 application that will focus on the cost-effectiveness and sustainability of the intervention.

Role: *Principal Investigator*

- R01 HD067115 (PI: Glick) 9/1/2011 – 8/31/2016  
 NICHD/NIH: Health Risk Behaviors Among Palestinian Youth  
 The study will collect nationally representative survey data on the risk behaviors, risk perceptions, and emotional well-being of approximately 3,000 youth in the Occupied Palestinian Territories to improve our understanding of the determinants of their attitudes toward and engagement in risk behaviors (e.g., sexual behavior) and the determinants of their mental health and expectations for the future.  
 Role: *Co-Investigator*
- R24 MD008818 (PI: Kennedy) 8/1/2013 – 7/31/2015  
 NIMHD: Building an Inter-Disciplinary Network on Culture and HIV Risk Perception  
 This project will build an interdisciplinary network to evaluate the relationship among individual, social and cultural elements of HIV risk perception and behaviors. The interdisciplinary team will share their discipline-specific theories and methods and will develop more comprehensive theories and methods and will then apply these new methods to existing datasets. In addition, the team will apply these new methods to a small pilot study of HIV risk perception in homeless individuals living on Skid Row in Los Angeles.  
 Role: *Co-Investigator*
- R21 HD061267 (PI: Wagner) 2/1/2010 – 1/31/2012  
 NICHD/NIH: Effects of Microcredit on Economic and Social Outcomes of HIV Clients in Uganda  
 The goal of this exploratory study is to examine the impact of microcredit on income generation and asset management, and how economic well-being is related to mental health, social well-being and sexual risk behavior among HIV clients.  
 Role: *Co-Investigator*
- Contract (PI: **Linnemayr**, Ryan) 8/1/2011 – 2/29/2012  
 AIDS Healthcare Foundation: Negotiation Strategies for Purchasers of Antiretroviral Drugs in the United States  
 This project lays out the mechanics of the market for antiretroviral drugs in the United States, conducts a case study to present negotiation mechanisms for lower prices used in other OECD countries, and gives an overview of potential negotiation mechanisms available to drug purchasers in the United States.  
 Role: *Principal Investigator*
- Contract (PI: **Linnemayr**, Ryan) 2/1/2011 – 10/31/2011  
 AIDS Healthcare Foundation: Value for Money in Donor HIV Funding  
 This project uses a case study of the two largest funders of HIV services in developing countries, PEPFAR and the Global Fund to investigate the efficiency with which such services are provided.  
 Role: *Principal Investigator*
- R34 MH084675 (PI: Martinez, Wagner) 7/1/2008 – 9/30/2011  
 NIMH: Improving Food Security and Nutrition to Promote ART Adherence in Latin America  
 This project investigates the role of nutritional counseling and food aid for the adherence to antiretroviral drugs and anthropometric outcomes of clients in HIV care in four health centers in Honduras.  
 Role: *Co-Investigator*
- R03 HD061688 (PI: Datar) 3/1/2009 – 2/28/2011  
 NICHD/NIH: Economics of Natural Disasters and Epidemics  
 This project investigates the role of natural disasters such as earthquakes as exogenous shocks to child health and mother's child health investments.  
 Role: *Co-Investigator*