

# LINDSAY E. YOUNG

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## RESEARCH INTERESTS

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Social determinants of health  
Sexual health/HIV  
Social network analysis  
Social network interventions  
Health communication  
Social media/social networking technologies  
Computational methods

## COMMUNITIES OF INTEREST

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Sexual minority men (SMM)  
SMM of color  
Youth and young adults  
People experiencing homelessness

## EDUCATION

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2009-2014    **Northwestern University**  
Ph.D. in Media, Technology, and Society  
Department of Communication Studies  
Dissertation Committee: Dr. Noshir Contractor (Co-advisor); Dr. Paul Leonardi (Co-advisor);  
Dr. Michelle Shumate

2004-2006    **Drexel University**  
M.S. in Science Communications  
Department of Culture and Communication

1996-2000    **American University**  
B.A. in Public Communication, *Magna Cum Laude*  
School of Communication

## ACADEMIC APPOINTMENTS

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August 2020 -        **University of Southern California, Annenberg School for Communication and Journalism**  
Assistant Professor

Aug 2014 – July 2020    **University of Chicago, Department of Medicine**  
Postdoctoral Scholar  
Chicago Center for HIV Elimination

May 2018 – Aug 2018    **University of Southern California, Center for Artificial Intelligence in Society (CAIS)**  
Summer Visiting Fellow

## GRANT FUNDING

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**Under Review**

NIH/NIMH R34 Application for Developmentally Tailored HIV Prevention and Care Research for Adolescents and Young Adults (R34 Clinical Trial Optional) (PA-18-653)  
*Developmentally tailoring an HIV self-testing with linkage-to-status neutral care intervention among Young Black and Latinx gay, bisexual, and other men who have sex with men*  
Role: Co-Investigator

NIH/NICHHD Career Transition Award (R00 Phase) (PA-16-193)  
*HIV Prevention and Care*  
R00 Phase of the Career Transition Award.  
Role: Principal Investigator

### Active

NIH/NICHHD Career Transition Award (K99 Phase) (PA-16-193)  
K99HD094648 July 31, 2018 – July 31, 2020  
*HIV Prevention and Care*

This K99/R00 proposal is an innovative mix methods design that utilizes machine learning techniques for text analytics and predictive modeling in combination with advanced social network analysis to provide valuable information about the online communicative and social contexts that contribute to HIV prevention and care engagement among young Black men who have sex with men (YBMSM).

Role: Principal Investigator

Mentoring Team: John Schneider, University of Chicago (primary mentor); Kayo Fujimoto, University of Texas Health Science Center at Houston; Rayid Ghani, Carnegie Mellon; Ian Holloway, UCLA

### Completed

R01 AI120700 (NIAID) (Schneider) 7/1/15-12/30/19  
*Accelerating PrEP Diffusion through Network Change Agents*

This intervention – PrEP Chicago - will utilize bridging network members within a large young Black MSM Facebook network to accelerate the diffusion of PrEP (pre-exposure prophylaxis) knowledge and early adoption in this same network. If successful, this project has the potential to translate a highly efficacious biomedical intervention into an impactful one in a sub-population at highest risk for HIV infection in the United States.

Role: Project Director (2016- )

CDPH (CDC) (Schneider) 1/1/15-12/30/18  
*PrEP Chicago's South Side PrEP Project (S2P2)*

The overarching goal of PrEP Chicago is to accelerate movement through the PrEP care continuum in most at risk populations on the South Side of Chicago including younger Black MSM and transwomen. PrEP Chicago utilizes active outreach through a variety of virtual and in-person strategies to achieve this goal. This includes a PrEP access and information line where eligible and interested clients are provided longitudinal PrEP care engagement services; as well as a very active Facebook presence and engagement.

Role: Project Director (2015-2016)

## PUBLICATIONS & MANUSCRIPTS

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\* denotes a student author

### Peer-reviewed Publications

Young, L.; Soliz, S.; Xu, J-J.; & Young, S.D. (forthcoming). A Review of Social Media Analytic Tools and their Applications to Evaluate Activity and Engagement in Online Sexual Health Interventions. *Preventive Medicine Reports*.

**Young, L.;** Ramachandran, A.; Schumm, P.; Khanna, A.; & Schneider, J. (forthcoming) The potential of online social networking data for augmenting the study of high-risk personal networks among young men who have sex with men at-risk for HIV. *Social Networks*.

**Young, L.;** Mayaud, J.; Suen, S-C.; Tambe, M.; & Rice, E. (forthcoming). Modeling the Dynamism of HIV Information Diffusion in Multiplex Networks of Homeless Youth. *Social Networks*.

Pagkas-Bather, J.; **Young, L.;** Chen; Y-T, & Schneider, J.A. (forthcoming) Social Network Interventions for HIV Transmission Elimination. *Current HIV/AIDS Reports*.

Walsh, T.\*; Schneider J.A; Ardestani B-M.; & **Young, L.** (co-lead and corresponding author) (2020). Individual and Social Network Characteristics Associated with Peer Change Agent Engagement and Impact in a PrEP for Prevention Intervention. *AIDS and Behavior*. doi.org/10.1007/s10461-020-02911-4. NIMHSID: 1593454. PMID: 32394233.

**Young, L.;** Fujimoto, K.; & Schneider, J. (2020) Online Group Topics and HIV-related Behaviors: Multilevel Mechanisms in a Facebook Group Affiliation Network among Young Black Men who have Sex with Men. *Social Science & Medicine Population Health*. doi.org/10.1016/j.ssmph.2019.100510. PMID: 31993491. PMCID: PMC6978475

Nguyen, A. \*, **Young, L.**, Beymer, M., & Suen, S-C (2020). Developing Targeted HIV Risk Predictors for Young Black Men Who Have Sex with Men: A Two-City Comparative Study. *International Journal of STD & AIDS*, 31(4), 335-344. doi: 10.1177/0956462419886472

**Young, L.**, Fujimoto, K., Alon, L., Zhang, L., & Schneider, J. (2019). The multiplex social environments of young Black men who have sex with men: How online and offline social structures impact HIV prevention and sex behavior engagement. *Journal of Social Structure*, 20(3): 70-95. doi.org/10.21307/joss-2019-007. NIMHSID: 1035645.

Manas, S.\* , **Young, L.**, Fujimoto, K., & Myneni, S. (2019). Exploring social structure of a health-related online community for tobacco cessation: A two-mode network approach. In the Proceedings of MedInfo 2019. International Medical Informatics Association (IMIA) and IOS Press.

**Young, L.**, Fujimoto, K. & Schneider, J. (2018). HIV prevention and sex behaviors as organizing mechanisms in a Facebook group affiliation network among young Black men who have sex with men. *AIDS and Behavior*, 22: 3324-3334. doi.org/10.1007/s10461-018-2087-4. PMID: 29536285.

**Young, L.**, Schumm, P., Alon, L., Bouris, A., Ferreira, M., et al. (2017). PrEP Chicago: A randomized controlled crossover peer change agent intervention to promote the adoption of pre-exposure prophylaxis for HIV prevention among young Black men who have sex with men. *Clinical Trials*, 15(1): 44-52. doi: 10.1177/1740774517730012. PMID: 28862483.

**Young, L.**, Jonas, A., Michaels, S., Jackson, J.D., Pierce, M.J., & Schneider, J.A., for the UConnect Team (2017). Social-structural properties and HIV prevention among young men who have sex with men in the House/Ball and Gay Family communities. *Social Science & Medicine*, 174, 26-34. doi.org/10.1016/j.socscimed.2016.12.009. PMID: 27987435

**Young, L.;** Stuart, M., Jonas, A., Khanna, A., Skaathun, B., Morgan, E. et al. for the uConnect Study Team (2017). Sex Behaviors as Social Cues Motivating Social Venue Patronage Among Young Black Men Who Have Sex with Men. *AIDS and Behavior*, 21(10): 2924-2934. doi:10.1007/s10461-017-1679-8. PMID: 280976181.

Schneider, J., Cornwell, B., Jonas, A., Lancki, N., Behler, R., Skaathun, B., **Young, L.** . . . Laumann, E. (2017). Network dynamics of HIV risk and prevention in a population-based cohort of young Black men who have sex with men. *Network Science*, 5(1), 1-29. doi:10.1017/nws.2016.27

Morgan, E., Skaathun, B., Michaels, S., **Young, L.**, Khanna, A., Friedman, S. R., ... & UConnect Study Team. (2016). Marijuana use as a sex-drug is associated with HIV risk among Black MSM and their network. *AIDS and Behavior*, 20(3), 600-607.

Morgan, E., Khanna, A. S., Skaathun, B., Michaels, S., **Young, L.**, Duvoisin, R., . . . Schneider, J. A. (2016). Marijuana Use Among Young Black Men Who Have Sex With Men and the HIV Care Continuum: Findings From the uConnect Cohort. *Substance use & misuse*, 51(13), 1751-1759. doi:10.1080/10826084.2016.1197265

Khanna, A.; Stuart, M.; Skaathun, B.; Morgan, E.; Green, K.; **Young, L.;** Mayer, KH; Voison, D.; Schneider, JA. (2016). Pre-exposure prophylaxis (PrEP) awareness and use in a population-based sample of younger Black men who have sex with men. *JAMA Internal Medicine*.

**Young, L** and Pieterse, W. (2014). Communication in a Networked World: Integrating network and communication theories in the context of Government to Citizen Communication. In D. Holtzhausen and A. Zerfass (eds), *The Routledge Handbook of Strategic Communication*.

**Young, L.** and Leonardi, P.M. (2012). Social issue emergence on the web: A dual structural model. *Journal of Computer-Mediated Communication*, 17(2), 231-246. doi: 10.1111/j.1083-6101.2011.01566.x

Brulle, R.J. and **Young, L.** (2007). Advertising, individual consumption levels and the natural environment (1900-2000). *Sociological Inquiry*, 77(4), 522-542. Doi: 10.1111/j.1475-682X.2007.00208.x

Kushmerick, A., **Young, L.** and Stein, S. (2007). Environmental justice content in mainstream, 6-12 environmental education guides. *Environmental Education Research*, 13(3), 385-408. Doi: 10.1080/13504620701430745

## PRESENTATIONS AND INVITED TALKS

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### Invited Talks

**Young, L.** (September 26, 2019). TBD. Presented to the University of California San Diego (UCSD) Department of Medicine, HIV and Substance Use Seminar. San Diego, CA, USA.

**Young, L.** (July 2, 2019). Signatures of HIV-related norms in the social networks of young Black men who have sex with men. Presented to the University of California San Francisco Center for AIDS Prevention Studies (CAPS) Methods Core Seminar. San Francisco, CA, USA.

**Young, L.** (June 11, 2019). Networks and AI: Computational Partners in the Study of HIV Prevention and Risk Online. Presented to the UCLA Center for HIV Identification, Prevention, and Treatment Services (CHIPTS) Methods Core Seminar. Los Angeles, CA, USA.

**Young, L.** (March 26, 2019). Structural and communication signatures of HIV-related norms in peer networks of young Black men who have sex with men. Presented for the University of Southern California Keck School of Medicine Institute for Prevention Research Speaker Series. Los Angeles, CA, USA.

**Young, L.** (March 6, 2019). Social Network Analysis and Artificial Intelligence: Methodological Partners in the Study of HIV Prevention and Risk Online. Presented for the University of Southern California Center for Artificial Intelligence in Society (CAIS) Seminar Series. Los Angeles, CA, USA.

**Young, L.** (October 15, 2018). The communication and network properties of HIV prevention and care engagement in a multidimensional online social network among young Black men who have sex with men. Presented to the University of Southern California Annenberg School of Communication Networks Research Group. Los Angeles, CA, USA.

### Competitive Conference Papers

**Young, L.** (presenter) & Schneider, J. (July 2020). The Co-evolution of Online Network Structure and HIV Prevention Behaviors among Peer Change Agents in a Community-based Network Intervention. Paper presented at the 2020 International Network of Social Network Analysis Sunbelt Conference, meeting held virtually due to COVID-19.

**Young, L.** (presenter); Michaels, S.; Cohen, H.; Hill, B.;... and Schneider, J. (April 2020). A Pragmatic Randomized Controlled Trial to Accelerate Diffusion of Pre-Exposure Prophylaxis for HIV Prevention. Paper presented at the 2020 Society of Behavioral Medicine (SBM) Conference, San Francisco, CA, USA.

- Awarded Best Student/Trainee Abstract by the HIV and Sexual Health Special Interest Group
- Recognized as a SBM *Citation Abstract*

**Young, L.** (presenter); Fujimoto, K.; Schneider, J. (April 2020). The Structure of HIV Risk and Protection in a Facebook Group Affiliation Network among Young Black Men who have Sex with Men. Paper presented at the 2020 Society of Behavioral Medicine (SBM) Conference, San Francisco, CA, USA.

**Young, L.** (presenter); Thompson, N.; Onasch-Vera, L.; Rice, E. Network Stability and Sexual Risk Among Homeless Youth in Los Angeles. Paper presented at the 2019 INSNA Annual Social Networks Conference (SUNBELT), Montreal, Quebec, Canada.

**Young, L.**, (presenter); Fujimoto, K.; Schneider, J. (Nov, 2018). Online group affiliations, group focus, and HIV prevention and sex behaviors among young men who have sex with men. Paper presented at the 2018 North American Social Networks Conference (NASN), Washington, D.C., USA.

**Young, L.**, (presenter) Ferreira, M., and Schneider, J. (June 2018). Sociometric signatures of effective peer leadership in a network HIV prevention intervention among young Black men who have sex with men. Paper presented at the 2018 INSNA Annual Social Networks Conference (SUNBELT), Utrecht, Netherlands.

**Young, L.** (presenter); Fujimoto, K.; Schneider, J. (July 2017). HIV-related behaviors and peer network exposure on Facebook: The networked contexts of peer influence in a multidimensional online social networking environment among young Black men who have sex with men (YBMSM). Paper presented at the 2017 North American Social Networks Conference (NASN), Washington, D.C., USA.

**Young, L.** (presenter), Jonas, A., Michaels, S., Schneider, J. for the UConnect Study Team (2016). The organization of HIV risk in a two-mode Facebook network among young Black men who have sex with men. Paper presented at the International Network for Social Network Analysis Annual Conference (Sunbelt 2016), Newport Beach, CA, USA.

**Young, L.** (presenter); Stuart, M.; Khanna, A.; Skaathun, B.; Morgan, E.; Schumm, P., Schneider, JA. (July, 2015). The organizing potential of risk behaviors: Sexual risk behaviors as social cues that motivate where young black men who have sex with men (YBMSM) go to meet and socialize. Paper presented at the 8<sup>th</sup> IAS Conference on HIV Pathogenesis, Treatment and Prevention, Vancouver, BC, Canada.

**Young, L.** (presenter) (November, 2014). You're only as good as the company others think you should keep: Foundations, field-building, and the institutionalization of collaboration in the third sector. Paper presented at the National Communication Association Conference, Organizational Communication Division, Chicago, IL.

- *Top Student Paper Award*, Organizational Communication Section, National Communication Association

**Young, L.** (presenter) (May, 2014). The intended and unintended consequences of hyperlinking behaviors on the advancement of environmental claims: Unpacking the relational infrastructure of issue politics on the web. Paper presented at the International Communication Association Conference, Political Communication Division, Seattle, WA.

**Young, L.** (presenter) and Contractor, N. (November, 2013). Enacting Community Capital: Patterns of interaction between residents and neighborhood organizations that bring life to networked assets for community resilience. Paper presented at the National Communication Association Conference, Organizational Communication Division, Washington, DC.

**Young, L.** (presenter) and Pierce, C.S. (November, 2013). Identifying social conditions that affect expertise location in knowledge intensive work groups: When embracing sociality enables knowledge acquisition. Paper presented at the National Communication Association Conference, Organizational Communication Division, Washington, DC.

**Young, L.** (presenter) (October, 2013). When hyperlink structure meets cognitive structure: Advancing a dual structuration framework for understanding social issue emergence on the web. Paper presented at the Organizational Communication Mini Conference, University of Illinois at Urbana-Champaign.

**Young, L.**, (presenter) (September, 2013). From strategic hyperlink networks to cognitive issue networks: Advancing a dual structural model of social issue emergence on the web. Paper presented at the European Consortium for Political Research General Conference, Bordeaux, France.

**Young, L.** (presenter) and Contractor, N. (June, 2013). No organization is an island: A multi-theoretical, multi-level analysis of the generative mechanisms that inform collaborative choices amongst community-based organizations. Paper presented at the International Communication Association Conference, Organizational Communication Division, London, UK.

**Young, L.**, (presenter) Narayan, S. and Contractor, N. (May, 2013). Issue spaces as semantic and social networks: Does what you know determine who you know and vice versa?. Paper presented at the International Sunbelt Social Network Conference, Hamburg, Germany.

**Young, L.** (presenter) and Contractor, N. (November, 2012). *Identifying the ties that inform: Unpacking the relational context of environmental information seeking*. Paper presented at the National Communication Association Conference, Environmental Communication Division, Orlando, FL.

**Young, L.** (presenter) (May 2012). *From the Web to the Head: Modeling the Interdependent Relationship between Empirical Hyperlink Networks and Cognitive 'Issue Networks'*. Paper presented at the International Communication Association, Communication and Technology Division Doctoral Consortium.

**Young, L.** (presenter) and Contractor, N. (February, 2011). *Individual, tie, and network level predictors of access to social capital: Applying multi-level analysis to the study of ego-network capital*. Paper presented at the International Sunbelt Social Network Conference, St. Pete Beach, FL.

**Young, L.** (presenter) and Pieterse, W. (May, 2011). *Government to citizen communication in a networked world: Integrating network and communication theories to inform strategic communication*. Paper presented at the International Communication Association, Boston, MA.

**Young, L.** (presenter) and Brulle, R.J. (August, 2006). *Advertising, individual consumption levels and the natural environment (1900-2000)*. Paper Presented at the American Sociological Association Annual Conference, Montreal, Canada.

## AWARDS AND DISTINCTIONS

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2020 *Fellow*, Health Disparities Research Institute (HDRI), National Institute of Minority Health and Health Disparities, August 3-6, 2020

2020 *Fellow*, Summer Institute in Computational Social Sciences (SICSS), Duke University, June 14-27, 2020

2019 *Fellow*, NIH OBSSR Summer Institute for Randomized Behavioral Clinical Trials, July 7-18, 2019

2018 *Visiting Summer Fellow*, University of Southern California, Center for Artificial Intelligence in Society (CAIS)

2017 *Fellow*, Duke Social Networks and Health Workshop (Faculty Mentor: Dr. Christopher Bail)

2015 University of Chicago, Biological Sciences Division postdoctoral liaison to the 2015 AAAS Conference

2014 *Top Student Paper Award*, Organizational Communication Division, National Communication Association

2014 *Jaharis Family Fellowship*, School of Communication, Northwestern University

2012 *Doctoral Dissertation Fellowship*, School of Communication, Northwestern University

2009 *Graduate Fellowship*, The Graduate School. Northwestern University

2006 *Top Paper Award*, Environmental Communication Section, National Communication Association

2006 *Best Graduate Research Award*, Drexel Student Research Days Conference, Drexel University

## PROFESSIONAL ACTIVITIES

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2017, 2018 Session Organizer, North American Social Networks Conference (NASN)

2016, 2018-2020 Session Organizer, International Network for Social Network Analysis (INSNA) Sunbelt Conference

2016 - present Reviewer, *AIDS and Behavior*

2018 - present Reviewer, *Social Science & Medicine*

2018 - present Reviewer, *Journal of Medical Internet Research (JMIR)*

2014 Reviewer, *Mobilization*

2013-2015 Reviewer, National Communication Association Annual Conferences

2011-2012 Reviewer, *New Media & Society*

2011 International Communication Association Communication & Technology Division Doctoral Consortium participant

2010-2014 Reviewer, International Communication Association Annual Conferences

## TEACHING

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### University of Southern California

Annenberg School for Communication and Journalism

- Public Communication Campaigns (COMM 402, Undergraduate) – Fall 2020
- Quantitative Research Methods (COMM 550, Graduate) – Spring 2021
- Health Communication Campaigns (COMM 443, Undergraduate) – Spring 2021