

UNIVERSITY OF PENNSYLVANIA - PERELMAN SCHOOL OF MEDICINE
Curriculum Vitae

Date: 04/07/2022

Desmond U. Patton, M.S.W., Ph.D.

Address: Columbia University School of Social Work
1255 Amsterdam Avenue
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If you are not a U.S. citizen or holder of a permanent visa, please indicate the type of visa you have:
none (U.S. citizen)

Education:

2004	BA	University of North Carolina (Anthropology and Political Science)
2006	MSW	University of Michigan
2012	PhD	University of Chicago (Social Service Administration, Crown Family School of Social Work, Policy and Practice)

Postgraduate Training and Fellowship Appointments:

2017-2018	Fellow, Berkman Klein Center for Internet and Society, Harvard University
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Military Service:
[none]

Faculty Appointments:

2012-2015	Assistant Professor, University of Michigan School of Social Work & School of Information
2015-2018	Assistant Professor, Columbia University School of Social Work, Courtesy appointment, Sociology
2018-2021	Associate Professor with tenure, Columbia University School of Social Work
2018-present	Faculty Associate, Berkman Klein Center for Internet and Society, Harvard University
2022-present	Professor, with tenure, Columbia University School of Social Work
2022-present	PIK Professor, School of Social Policy & Practice Annenberg School for Communication University of Pennsylvania

Hospital and/or Administrative Appointments:

2019-2021	Associate Dean for Curriculum Innovation and Academic Affairs, MSW Program Director, Columbia University School of Social Work
2019	Fellow, Carr Center for Human Rights Policy, Harvard

	Kennedy School
2021	Associate Director, Diversity, Equity, and Inclusion, Data Science Institute, Columbia University
2021	Senior Associate Dean for Curriculum Innovation and Academic Affairs, Columbia School of Social Work
2022-present	Director, UxR Lab, Columbia University
2022-present	Co-Director, AI4ALL Summer Program, Columbia University
2022-present	Co-Director, Emerging Media, Technology, and Society Minor, Columbia University
2022-present	Co-Founder and Co-Director, Justice, Equity, and Tech Lab, Columbia University
2022-present	Founder and Co-Faculty Advisor, Action Lab, Columbia University
2022-present	Founder and Director, SAFElab, Columbia University

Other Appointments:

2020	Visiting Scholar, Boston College School of Social Work
2020	Visiting Researcher, Microsoft Research New England
2022-present	Affiliate, Center for Complicated Grief, Columbia University School of Social Work

Specialty Certification:

[none]

Licensure:

[none]

Awards, Honors and Membership in Honorary Societies:

2004	Undergraduate Research Fellowship, University of North Carolina-Greensboro
2004	Honors College Graduate, University of North Carolina-Greensboro
2006	Merit Scholar, University of Michigan
2006	Olivia P. Maynard Fellow, University of Michigan
2006	Education Pioneers Fellowship, University of Michigan
2008	Doctoral Theory Fellowship, University of Chicago
2013	Golden Apple Award Nominee (outstanding teaching), University of Michigan
2013	Michigan Road Scholars Awardee, University of Michigan
2014	Commencement Speaker, University of Michigan School of Social Work
2016	Certificate of Appreciation for Educators, Manhattan Borough President
2018	Obama Foundation Fellowship, Finalist
2018	Deborah K. Padgett Early Career Achievement Award, Society for Social Work and Research

2019	Presidential Leadership Scholar
2019	Award, First Prize, Creative Technology, New York City Media Lab
2019	Fellow, Google Next Generation Policy Leaders

Memberships in Professional and Scientific Societies and Other Professional Activities:

National:

2012-Present	National Association of Social Workers
2012-Present	Society for Research on Adolescence
2013-Present	Academy of Violence and Abuse
2019-Present	Society for Social Work and Research (Fellow, 2019)
2020-Present	Twitter (Member, Academic Advisory Board)
2021	American Association for the Advancement of Science (Member, Committee on Scientific Freedom and Responsibility, 2021)
2021-Present	Future of Work Working Group, Verizon (Member)
2022-Present	Axon, Community Advisory Coalition (Member)
2022-Present	Social Science Research Council (Member, Just Tech Advisory Council, 2022-Present)
2022-Present	Spotify Safety Advisory Council (Member)

Local:

2015-2017	Cure Violence, Chicago, IL. (Member, Advisory Committee)
2020-Present	Inner City Weightlifting, Boston, MA (Board Member)
2021-Present	Tech Policy Press, New York, NY (Board Member)

Editorial Positions:

2012-Present	Ad hoc reviewer, Computers in Human Behavior
2012-Present	Ad hoc reviewer, National Academies of Sciences, Engineering and Medicine
2013-Present	Ad hoc reviewer, Journal of Black Psychology
2013-Present	Ad hoc reviewer, Social Work
2013-Present	Ad hoc reviewer, Violence and Victims
2013-Present	Ad hoc reviewer, Journal of Orthopsychiatry
2013-Present	Ad hoc reviewer, International Journal of Men's Health

2013-Present	Ad hoc reviewer, Journal of Health Psychology
2013-Present	Ad hoc reviewer, Qualitative Health Research
2013-Present	Ad hoc reviewer, City and Community
2014-Present	Ad hoc reviewer, Criminology
2014-Present	Ad hoc reviewer, Pediatrics
2014-Present	Ad hoc reviewer, New Media and Society
2014-Present	Ad hoc reviewer, Qualitative Social Work
2015-Present	Ad hoc reviewer, Justice Quarterly
2016	Guest Editor, special issue of Journal of Men's Studies, Intersections of race, gender, and class in the wake of a crisis: The state of boys and men of color post-Ferguson. Vol. 24, no. 2. Co-edited with Daphne Watkins and Reuben Miller
2017-Present	Ad hoc reviewer, Nature Partner Journal: Digital Medicine
2018	Editorial Board, book series AI for Social Good. Oxford University Press: Oxford, UK.
2018-2019	Editorial Board, Psychiatry and Mental Health. Plos One.

Academic and Institutional Committees:

2012-2015	Member, Multicultural and Gender Affairs Committee, School of Social Work, University of Michigan,
2012-2015	Faculty Affiliate, University of Michigan Injury Center
2012-2015	Faculty Affiliate, Youth Violence Prevention Center, University of Michigan School of Public Health
2012-2015	Faculty Affiliate, Detroit Urban Research Center, University of Michigan School of Public Health
2013-2015	Member, Student Relations Advisory Committee of the Faculty Senate Assembly, University of Michigan
2015-Present	Member, Advisory Committee, Office of Sponsored Projects, School of Social Work, Columbia University
2015-Present	Member, Advanced Generalist Practice and Programming Committee, School of Social Work, Columbia University
2015-Present	Faculty Affiliate, Data Science Institute, Columbia University
2015-Present	Faculty Affiliate, Social Intervention Group (SIG), Columbia University
2015-Present	Member, Outcomes Committee, School of Social Work, Columbia University
2015-2016	Member, Task Force on Race, Diversity, and Inclusion, Office of University Life, Columbia University
2016-Present	Member, Computational Social Science Working Group, Data Science Institute, Columbia University

2016-Present	Member, Faculty Search Committee, School of Social Work, Columbia University
2019	Fellow, Provost Leadership Fellows, Columbia University
2020	Member, AI4A Workshop Planning Committee, Microsoft Research New England
2021-Present	Member, Provost Advisory Council for the Enhancement of Faculty Diversity, Columbia University
2021-Present	Board Member, Columbia Center for Technology Management, Columbia University
2022-Present	Co-Chair, Racial Equity Task Force, Data Science Institute, Columbia University

Major Academic and Clinical Teaching Responsibilities:

2011	Course Instructor, Public School Systems and Service Populations, University of Chicago
2012-2015	Course Instructor, Social Work Practice with Children and Youth, University of Michigan
2012-2015	Course Instructor, Social Work Practice with Communities and Social Systems, University of Michigan
2012	Course Instructor, Injury and Public Health, Northwestern University
2014-Present	PhD Committee Advisor, Adrian Gale, University of Michigan
2014-Present	PhD Committee Advisor, Abigail Williams, University of Michigan
2015-Present	Course Instructor, Advocacy, Columbia University
2015-Present	Course Instructor, Contemporary Social Issues, Columbia University
2018-2020	Research Mentor, William Frey, PhD, School of Social Work, Columbia University
2018	Committee member, Laura Vargas, PhD, School of Social Work, Columbia University
2019-Present	Research Mentor, Nathan Aguilar, PhD, School of Social Work, Columbia University
2019	Sponsor, Savannah Badalich, Masters in Human Rights, Columbia University
2019	Sponsor, Miriam McKinney, Masters in Quantitative Methods, Columbia University
2019	Second Reader, Michelle Silverman PhD, Teachers College, Columbia University
2019-Present	Advisor, Aviv Landau, Postdoctoral Fellow, School of Social Work, Columbia University
2020-Present	Course Instructor, Intro to Emerging Media, Technology, and Society, Columbia University
2021-Present	PhD Committee Advisor, Angela Maronie, University of Washington
2021-Present	Advisor, Henry Willis, Postdoctoral Fellow, School of Social Work, Columbia University
2021-Present	Advisor, Siva Mathiyazhagan, Postdoctoral Fellow, School of Social

2021-Present Work, Columbia University
 Course Instructor, Design Justice / Human Centered Design,
 Columbia University

Lectures by Invitation (Last 5 years):

Jan, 2017 "Gang violence on the digital street: A case study of a southside Chicago gang member's Twitter communication." Society for Social Work and Research Annual Conference, New Orleans, LA.

Jan, 2017 "Innovating gang violence prevention with qualitative analysis and natural language processing." 15th Annual Workshop: Interrogating the Intersections of Race, Crime and Technology. Rutgers University's Center for Law and Justice, Newark, NJ.

Jan, 2017 "When Twitter fingers turn to trigger fingers. Kid Culture Keynote and Workshop." Center for Integrated Arts Education, University of Northern Colorado, Greeley, CO.

Jan, 2017 "Sticks, stones and Facebook accounts: What violence outreach workers know about social media and urban-based gang violence in Chicago." Society for Social Work and Research Annual Conference, New Orleans, LA.

Jan, 2017 "Human-centered design and storytelling for gang violence prevention." Microsoft Hackathon, Redmond, WA.

Feb, 2017 "Innovating gang violence prevention (Keynote Speaker)." University of Alabama School of Social Work, Tuscaloosa, AL.

Mar, 2017 "Social media and gang violence prevention (Keynote Speaker)." Boston Design Museum, Boston, MA.

Mar, 2017 "They are children: How posts on social media lead to gang violence." TEDxBroadway 2017, New York, NY.

Mar, 2017 "Roots of trauma." Grand Rounds Presentation. New York Presbyterian Hospital/Westchester, White Plains, NY.

Apr, 2017 "Twitter and gang violence prevention." Center for Artificial Intelligence and Society. University of Southern California, Los Angeles, CA.

Apr, 2017 "Innovating gang violence prevention (Keynote Speaker)." Computational Research Day. Northwestern University, Chicago, IL.

May, 2017 "Innovating gang violence prevention." Munk School of Global Affairs. University of Toronto, Toronto, Ontario.

Jun, 2017 "Grief, aggression, and violence prevention. Harmful Speech Online: At the Intersection of Algorithms and Human Behavior." Harvard University, Cambridge, MA.

Aug, 2017 "Social media and gang violence." Digital Mental Health Conference, London, England.

Aug, 2017 "Innovating gang violence prevention with qualitative analysis and natural language processing." University of Chicago Urban Labs, Crime Lab, Chicago, IL.

Sep, 2017 "Transdisciplinary gang violence prevention. Community Health

- Sciences: Defining the Field." Boston University's School of Public Health Symposium, Boston, MA.
- Oct, 2017 "Grieving on the digital street. AI for Social Good: Setting the Agenda." University of Southern California's Center for Artificial Intelligence in Society, Los Angeles, CA.
- Oct, 2017 "Gang violence intervention work in the SAFElab." Dean's Lecture. University of Texas-Austin School of Social Work, Austin, TX.
- Oct, 2017 "Innovating gang violence prevention." Workshop: Social Media, Mobile Technology, and Youth Risk Behaviors. National Institutes of Health (NIH) Office of Behavioral and Social Sciences Research, Washington, DC.
- Nov, 2017 "When Twitter fingers turn to trigger fingers." 2017 Bicentennial Symposium, University of Michigan Institute for Social Research, Ann Arbor, MI.
- Dec, 2017 "Identifying signals of violent content on social media." Webinar. Teen Cancer Research Conference, Atlanta, GA.
- Dec, 2017 "When twitter fingers turn to trigger fingers: using qualitative analysis and natural language processing to prevent social media-related gang violence." Race, Politics, and Social Media: A Symposium, Boston University, Boston, MA.
- Jan, 2018 "Digital urban violence analysis approach." Society for Social Work and Research Annual Conference, Washington, DC.
- Feb, 2018 "Violence on the digital street: Intervening in aggression and loss using qualitative analysis and machine learning." Center for Research on Computation and Society, Harvard University, Cambridge, MA.
- Mar, 2018 "Community-based approaches to detecting and predicting trauma and violence in Chicago using social media." Columbia Population Research Center, Columbia University, New York, NY.
- Apr, 2018 "Innovating gang violence prevention with qualitative analysis, natural language processing, & computer vision." University of Missouri, St. Louis, MO.
- Apr, 2018 "Interpretation of social media data and ethical considerations." The Berkman Klein Center for Internet & Society, Harvard University, Cambridge, MA.
- May, 2018 "Contextual analysis of social media a qualitative approach to eliciting context in social media posts with natural language processing." Society for Prevention Research, Washington, D.C.
- May, 2018 "New frontiers for artificial intelligence in psychiatry: From personalized health to community care." American Psychiatric Association Annual Meeting, New York, NY.
- Oct, 2018 "Community data science approaches to gang violence." NYU Child Study Center-Grand Rounds, New York University, New York, NY.
- Oct, 2018 "Social media as a new mechanism for mass incarceration." Symposium on the Law & Economics of Criminal Justice Reform, George Mason Antonin Scalia Law School, Fairfax, VA.

- Nov, 2018 "Community data science approaches to gang violence." PRYDE, Department of Human Development, Cornell University, Ithaca, NY.
- Nov, 2018 "Community data science approaches to gang violence." School of Information Science, Cornell University, Ithaca, NY.
- Dec, 2018 "Community data science approaches to gang violence." Brown Bag for the Connective Media Group, Cornell Tech, New York, NY.
- Dec, 2018 "Can AI Reduce Gang Violence or Cause More Harm." The National Academies Roundtable on Data Science Secondary Education. Washington, DC.
- Jan, 2019 "Accommodating grief on Twitter." Society for Social Work and Research Annual Conference, San Francisco, CA.
- Mar, 2019 "Community Data Science Approaches to Gang Violence Prevention." University of Buffalo School of Social Work. Buffalo, NY
- Mar, 2019 "Analyzing Context in Social Media Posts." Data and Society. New York, NY.
- Apr, 2019 "Designing Contextually Drive AI Systems for Gun Violence Prevention with Chicago Youth." Harvard Kennedy School. Cambridge, MA
- May, 2019 "Community Data Science Approaches to Gang Violence Prevention." University of Illinois, Urban Champaign, School of Social Work, Urbana, IL
- Oct, 2019 "Building a Healthier Social Media Ecosystem." University of Wisconsin, Madison, WI
- Oct, 2019 "Community Data Science Approaches to Gun Violence Prevention." University of California School of Information. Berkeley, CA
- Oct, 2019 "Developing Empathetic Tech with Community of Color for Gun Violence Prevention." 2019 Tripodi Lecture. University of California School of Social Welfare. Los Angeles, CA
- Nov, 2019 "Community Data Science Approaches to Gun Violence Prevention." New York University School of Social Work. New York, NY
- Jan, 2020 "Social Work and the Future of Policing." Congressional Briefing. Virtual.
- Feb, 2020 "Contextual Analysis of Social Media." Massachusetts Institute of Technology Department of Comparative Media Studies. Cambridge, MA
- Mar, 2020 "Can AI solve gun violence or is it part of the problem?" Carr Center for Human Rights. Harvard Kennedy School. Cambridge, MA
- Apr, 2020 "Bridging the Digital Divide During Covid-19." Manhattan Borough President's Office, Virtual
- Apr, 2020 "Social Work and Emerging Technology, AI and Virtual Reality (Keynote)." National Association of Social Workers, Virtual.
- Apr, 2020 "Confronting Racial Bias in Social Media Data and AI tools against

	Gun Violence." University of Pittsburg Center on Race and Social Problems. Pittsburg, PA
Aug, 2020	"AI for Innovative Social Work." Alan Turing Institute. Virtual
Oct, 2020	"Doctoral Education in Social Work." University of Chicago School of Social Service Administration. Chicago, IL
Oct, 2020	"National Social Work Teach-In." #SWeduActs. Virtual
Jan, 2021	"Social Work Research and Technology: Leveraging AI, Topic Modeling and Community Based Research for Research on Human Services, Violence and Grief." Society for Social Work and Research 25th Annual Conference. Virtual
Mar, 2021	"Confronting Race in Data Science." Harvard Data Science Initiative, Cambridge, MA
May, 2021	"Bias in AI: Why it's a problem and what should be done about it." Barnard College, New York, NY
Nov, 2021	"Community Data Science Approaches for Gang Violence Prevention." Spotify
Nov, 2021	"AI for Innovative Social Work." Twitter
Nov, 2021	"Developing Empathetic Tech with Community of Color for Gun Violence For Gun Violence Prevention: A Social Work Approach." New York University Silver School of Social Work, New York, NY
Nov, 2021	"The Promise and Ethical Challenge of Using AI for Gang Violence Prevention." The University of Virginia, Charlottesville, VA
Jan, 2022	"Algorithms, Bias and Fairness." Society for Social Work and Research 26th Annual Conference. Washington, DC

Organizing Roles in Scientific Meetings:

[none]

Bibliography:

Research Publications, peer reviewed (print or other media):

1. Roderick, M., Nagaoka, J., Moeller, E; with Roddie, K., Gilliam, J., & Patton, D.U.: From high school to the future. Consortium on Chicago School Research. March 2008.
2. Patton, D.U., & Johnson, D.W.: Exposure to community violence and social capital: African American students in the critical transition to high school. Harvard Journal of African American Public Policy 16: 53-72, January 2010.
3. Imai, R., Patton, D.U., Rodkin, J., & Small, M.: Qualitative evaluation of the CPS 2010- 2011 Mentor and Advocacy Program. Chicago Public Schools. 2011.
4. Patton, D.U.: Listening sessions final report. Children's Memorial Hospital. 2011.
5. Patton, D.U.: Evaluation of safe passage in Chicago. Children's Memorial Hospital. 2012.

6. Patton, D.U., Woolley, M.E., & Hong, J.S.: Exposure to violence, student fear, and low academic achievement: African American males in the critical transition to high school. Children and Youth Service Review 34(2): 388-395, 2012 Notes: DOI: 10.1016/j.chilyouth.2011.11.009.
7. Patton, D.U., Eschmann, R.D. & Butler, D.A.: Internet banging: New trends in social media, gang violence, masculinity and hip hop. Computers in Human Behavior 29(5): A54-A59, 2013 Notes: DOI: 10.1016/j.chb.2012.12.035.
8. Patton, D.U., & Miller, R.J.: Examining the relationship between adolescent violence exposure and adulthood violence perpetration among urban Black and African American men. Academy of Violence and Abuse Research Review 5: 1-4, February 2015.
9. Miller, R., Miller, J., Djoric, J., & Patton, D. U.: Baldwin's mill: Race, punishment, and the pedagogy of repression, 1965-2015. Humanity and Society 39(4): 456-475, 2015 Notes: DOI: 10.1177/0160597615609188.
10. Miller, R.J., Patton, D.U., & Williams, E.: Rethinking prisoner reentry. Offender Program Reports 19(1): 1-4, 2015.
11. Patton, D.U., Sanchez, N., Fitch, D., Macbeth, J., & Leonard, P.: I know God's got a day 4 me: Violence, trauma and coping among gang-involved Twitter users. Social Science Computer Review 35(2): 226-243, 2015 Notes: DOI: 10.1177/0894439315613319.
12. Patton, D.U*, & Roth, B*.: Good kids with ties to deviant peers: Network strategies used by African American and Latino young men in violent neighborhoods. Children and Youth Service Review 66: 123-130, July 2016 Notes: * denotes equal authorship
DOI: 10.1016/j.chilyouth.2016.04.020.
13. Blevins, T., Kwitakowski, R., Macbeth, J., McKeown, K., Patton, D.U., & Rambow, O.: Automatically processing tweets from gang-involved youth: Towards detecting loss and aggression. Proceedings of COLING 2016, the 26th International Conference on Computational Linguistics: Technical Papers Page: 2196-2206, 2016 Notes: Authors are in alphabetical order.
14. Hong, J.S., Lee, J., Espelage, D.L., Hunter, S.C., Patton, D.U., & Rivers, Jr., T.: Understanding the correlates of face-to-face and cyberbullying victimization among U.S. adolescents: A social-ecological analysis. Violence and Victims 31(4): 638-663, 2016.
15. Patton, D.U., Eschmann, R.D., Elsaesser, C., & Bocanegra, E.: Sticks, stones and Facebook accounts: What violence outreach workers know about social media and urban-based gang violence in Chicago. Computers in Human Behavior 65:

591-600, December 2016 Notes: DOI:10.1016/j.chb.2016.05.052.

16. Patton, D.U., Leonard, P., Cahill, L., Macbeth, J., Crosby, S., & Brunton, D.: "Police took my homie I dedicate my life 2 his revenge": Twitter tensions between gang-involved youth and police in Chicago. Journal of Human Behavior in the Social Environment 26(3-4): 310-324, 2016 Notes: DOI: 10.1080/10911359.2015.1127738.
17. Patton, D.U., Leonard, P., Lane, J., & Macbeth, J.: Gang violence on the digital street: A case study of a South Side Chicago gang member's Twitter communication. New Media and Society 19(7): 1000-1018, 2016 Notes: New Media and Society's most-read article in February 2016 DOI: 10.1177/1461444815625949.
18. Patton, D.U., McKeown, K., Rambow, O., & MacBeth, J.: Using natural language processing and qualitative analysis to intervene in gang violence: A collaboration between a social work researcher and data scientist. Proceedings of the Second Annual Data for Good Exchange Conference. 2016.
19. Patton, D.U., Miller, R.J., Garbarino, J., Gale, A., & Kornfeld, E.: Hardiness scripts: High-achieving African American boys in a Chicago charter school navigating community violence and school. Journal of Community Psychology. 44(5): 638-655, 2016 Notes: DOI:10.1002/jcop.21791.
20. Smith, J.R., & Patton, D.U.: Posttraumatic stress symptoms in context: Examining trauma responses to violent exposures and homicide death among Black males in urban neighborhoods. Journal of Orthopsychiatry 86(2): 212-223, 2016 Notes: DOI: 10.1037/ort0000101.
21. Patton, D.U., Brunton, D., Dixon, A., Hackman, R.J., & Miller R.: Stop and frisk online: Theorizing everyday racism in digital policing in the use of social media for the identification of criminal conduct and associations. Social Media + Society. 3(3): 2056305117733344, 2017 Notes: DOI: 10.1177/2056305117733344.
22. Patton, D.U., Dungy, L., Hong, J.S., & Leonard, P.: Gang violence, crime and substance use on Twitter: A snapshot of gang communications in Detroit. Violence and Victims. 32(5): 919-934, 2017 Notes: DOI: 10.191/0886-6708 VV D-16-00040.
23. Blandfort, P., Hees, J., Patton, D.U.: An overview of computational approaches for interpretation analysis. arXiv 2018 Notes: preprint arXiv:1811.04028.
24. Chang, S**, Varia, S., Lee, Fei-Tzin., Kedzie, C., Patton, D.U., Frey, W. McKeown, K.: Detecting gang-involved escalation on social media using context. 18' Proceedings of the Conference on Empirical Methods in Natural Language Processing. 2018 Notes: ** denotes trainee/mentee 10% acceptance rate.

25. Frey, W**. Patton, D.U., Gaskell, M., McGregor, K.: Artificial intelligence and inclusion: Formerly gang-involved youth as domain experts for analyzing unstructured Twitter data. Social Science Computer Review. 38(1): 42-56, 2018
Notes: ** denotes trainee/mentee
Awarded *Abstract with Distinction* from the Society for Prevention Research.
26. Hollingsworth, L.D., Patton, D.U., Allen, P.C., & Bryant, K.E.: Racial microaggressions in social work education: Black students' encounters in a predominantly White institution. Journal of Ethnic and Cultural Diversity in Social Work. 27(1): 95-105, 2018 Notes: DOI: 10.1080/15313204.2017.1417942.
27. Patton, D.U., Macbeth, J., Shoenbeck, S., Shear, K., McKeown, K.: Accommodating grief on Twitter: An analysis of expressions of grief among gang involved youth on Twitter using qualitative analysis and natural language processing. Biomedical Informatics Insights. 3(10): 1178222618763155, 2018 Notes: DOI: 10.117/117222618763155.
28. Patton, D.U., McGregor, K., & Slutkin, G.: Youth violence prevention in a digital era. Pediatrics. 141(4): e20172438. 2018 Notes: DOI: 10.1542/peds.2017-2438.
29. Patton, D.U., Rambow, O., Auerbach, J., Li, K., & Frey, W.: Expressions of loss predict aggressive comments on Twitter among gang involved youth in Chicago. Nature Partner Journal: Digital Medicine. 1(11): 1-2, 2018 Notes: DOI: 10.1038/s4176-018-0020.
30. Tan, K., Patton, D.U., & Cordova, D.: School factors and adolescent substance abuse: Are there differences by population density? Journal of Social Work Practice in the Addictions 18(2): 153-167, 2018 Notes: DOI: 10.1080/1533256X.2018.1450263.
31. Blandfort,P., Patton, D.U., Bhargava, S., Chang, Shih-Fu..., Frey, W., , Gaskell, M., Karaman, S., Schifanella, R., McKeown, K., Chang, S.: Multimodal detection of aggression, loss and substance use in tweets of Chicago gang members. MM '18 Proceedings of the 2018 ACM on Multimedia Conference. 2019.
32. Crosby, S.**, Patton, D.U., Duncan, D., Smith Lee, J.: Framing neighborhood safety and academic success: Perspectives from high-achieving black youth in Chicago. Children, Youth and Environments. 29(1): 1-19, 2019 Notes: ** denotes trainee/mentee.
33. Patton, D.U., Blandfort, P., Frey, W., Gaskell, M., Karaman, S: Annotating social media data from vulnerable populations: Evaluation disagreement between domain experts and graduate student annotators. In the Proceedings of the Hawaii International Conference on Systems Science52. 2019.

34. Patton, D.U., Frey, W., Gaskell, M.: Guns on social media: Complex interpretations of gun images by Chicago youth. Nature, Palgrave Communications 5(1): 1-8, 2019.
35. Patton, D.U., Leonard, P., Eschmann, R.D., Patel, S., Elsaesser, C., & Crosby, S.: What's a threat on social media? How Black and Latino young men in Chicago navigate threats online. Youth & Society. 51(6): 756-772, 2019 Notes: DOI: 10.1177/0044118X177yout20325.
36. Patton, D.U., Pyooz, D., Decker, S., Leonard, P., & Frey, W.: When Twitter fingers turn to trigger fingers: A sociolinguistic study of internet-mediated gang violence. International Journal of Bullying Prevention. 1: 205-217, 2019.
37. Patton, D.U., Sodhi, A., Lee, J., Affinati, S., & Crandall, M.: Post-discharge needs of victims of gun violence in Chicago: A qualitative study. Journal of Interpersonal Violence 34(1): 135-155, 2019 Notes: DOI: 10.1177/0886260516669545.
38. Patton, D.U., Frey, W., McGregor, K., Lee, F., McKeown, K.: Contextual analysis of social media: A qualitative approach to eliciting context in social media posts with natural language processing. Proceedings of the 2020 AAAI/ACM Conferences on AI, Ethics and Society. 2020: 337-342, February 2020.
39. Patton, D.U., Blandfort, P., Frey, W., Schifanella, R., McGregor, K., Chang, S.F.: VATAS: An open-source web platform for visual and textual analysis of social media. Journal of the Society for Social Work and Research. 11(1): 133-155, 2020.
40. Zhong, R**, Chen, Y., Patton, D.U., Sealous, C., McKeown, K.: Detecting and reducing bias in a high stake domain. 20' Proceedings of the Conference on Empirical Methods in Natural Language Processing. 2020 Notes: ** denotes trainee/mentee 23% acceptance rate.
41. Anguiano, K., Darkwa, E., Patton, D.U.: Recommendations to end 21st century online "stop and frisk" policing. Tech Policy Press. March 2021.
42. Mathiyazhagan, S, Kleiner, S., Patton, D.U.: Social work in data science: Tech policy gaps and addressing harm. Tech Policy Press. March 2021.
43. Boxer, P., Brunson, R., Harden-Gaylor, N., Kahn, K., Patton, D.U., Richardson, J., Rivera, L, Smith-Lee, J., Staller, M.: Addressing the inappropriate use of force by police in the United States and beyond: A behavioral and social science perspective. Aggressive Behavior. 47(5): 502-512, 2021.
44. Elsaesser, C., Patton, D.U., Kelley, A., Santiago, J., Clarke, A.: Avoiding fights on social media: Strategies youth leverage to navigate conflict in a digital era. Journal of Community Psychology. 49(3): 806-821, 2021.

45. Mathiyazhagan, S., Salem, M., Willis, H., Patton, D.U.: Social work in metaverse: addressing tech policy gaps for racial and mental health equity. Internet Policy Review February 2022.
46. Landau**, A.Y., Ferrarello, S., Blanchard, A., Cato, K., Atkins, N., Salazar, S., Patton, D.U., & Topaz, M.: Developing machine learning-based models to help identify child abuse and neglect: key ethical challenges and recommended solutions. Journal of the American Medical Informatics Association. 29(3): 576-580, 2022 Notes: ** denotes trainee/mentee.
47. Elsaesser, C., Patton, D.U., Weinstein, E., Santiago, J., Clarke, A., Eschmann, R.: Small becomes big, fast: Adolescent perceptions of how social media features escalate internet banging to offline violence. Children and Youth Service Review. Accepted.
48. Patton, D.U.: AI needs social work thinking and community domain expertise to make genuine improvements to people's lives. ACM Interactive. Accepted.
49. Patton, D.U., Stevens, R., Smith, J., Obamy, G., & Frey, W.: You set me up: Gendered perceptions of Twitter communication that leads to offline violence. Social Media and Society. Accepted.
50. Sodhi, A., Aguilar, N., Choma, D., Steve, J., Patton, D.U., Crandall, M.: Social media representations of law enforcement within four diverse Chicago neighborhoods. Journal of Contemporary Ethnography. Accepted.
51. Landau**, A.Y., Blanchard, A., Cato, K., Atkins, N., Salazar, S., Patton, D.U., & Topaz, M.: Considerations for Development of Child Abuse and Neglect Phenotype with Prioritizing Reduction of Racial Bias: A Qualitative Study. Journal of the American Medical Informatics Association. In press
Notes: ** denotes trainee/mentee.

Research Publications, peer-reviewed reviews:

1. Patton, D.U.: Review of the book *The other Wes Moore: One name, two fates*, by W. Moore. Qualitative Social Work 12(1): 93-97, 2013.
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