Alex Levine, PhD, MPH

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Curriculum Vitae

Education

2025 Doctor of Philosophy, Health Services and Policy Research
Boston University, Boston, MA
Dissertation: Examining Equity, Access, and Outcomes in Home- and Community-Based Services for Medicaid Beneficiaries with Intellectual and/or Developmental Disabilities

2016 Master of Public Health, Maternal and Child Health
Boston University, Boston, MA

2014 Bachelor of Arts, Health and Human Biology
Brown University, Providence, RI

Professional Experience

2025 – Postdoctoral Fellow, Lurie Institute for Disability Policy
Brandeis University, Waltham, MA

2024 – 2025 Phyllis Torda Health Quality and Equity Fellow
National Committee on Quality Assurance, Washington, DC

2024 – Graduate Researcher, Center for Innovation in Long-Term Services and Supports
Providence VA Medical Center, Providence, RI

2021 – 2024 Senior Research Associate
Tufts Medical Center, Boston, MA

2021 – 2024 Graduate Researcher (WOC), Center for Health Optimization and Implementation Research
VA Boston Healthcare System, Boston, MA

2020 – 2021 Research Scientist II
2019 – 2020 Research Scientist II
Modus Outcomes, Cambridge, MA

2017 – 2019 Senior Research Project Manager
Brigham and Women's Hospital, Boston, MA

2016 – 2017 Project Coordinator
Simmons University, Boston, MA

Honors & Awards

2025 Disability Health Equity Research Network Paper Award

2021 Fellow, Boston University Institute for Health Systems, Policy, and Practice

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2021 Fellow, Tufts Center for Evaluation of Value and Risk in Health

2014 Research Fellow, Boston University Center of Excellence in Maternal and Child Health

Grants

2024 Robert Wood Johnson Foundation Health Data 4 Action Grantee
Role: Principal Investigator, *Examining Step Therapy Restrictions for Inflammatory Bowel Disease Drugs: A Novel Data Linkage of the SPEC Database and All-Payer Claims Data*

Membership in Societies

2021 - AcademyHealth

2023 Society of Epidemiological Research

2022 Professional Society for Health Economics and Outcomes Research (ISPOR)

Publications

1. Rosenberg SB, Estrada JA, Tewolde S, Higgins A, Tao J, **Levine AA**, KQ Sisson E, Michals A, Rubenstein E. Medicaid Home and Community Based Services are vital for adults with intellectual and developmental disabilities: A descriptive study of service use among all adult enrollees. *Disability and Health:* In press.
2. Barth J, Davila HW, O'Malley KA, Shin M, Montano AR, Howe RJ, **Levine AA**, Evans E, Pimentel CB, Sullivan JL. Dissemination and Implementation Theories, Models, or Frameworks Utilized in International Aging Research: A Citation Analysis. *Global Implementation Research and Applications*. 2026 Jan 6:1-7.
3. **Levine AA**, Rucker JA, Cockerham A, Cartner J, Chambers JD. US health plan coverage of neuromuscular disease therapies: An assessment of policy availability and restrictions. Journal of Neuromuscular Diseases. 2025 Jul 15:22143602251405815.
4. Petrillo J, **Levine AA**, Johannesen J, Lovell T, Rams A, Cano S, Anderson K, Klapper J, Koenig A. Cognitive impairment in Huntington's disease and its impact on functioning: Concept elicitation and cognitive debriefing for the Huntington's Disease Everyday Functioning (Hi-DEF) scale. *Journal of Huntington's Disease*. 2024 Nov;13(4):511-22.
5. **Levine AA,** Enright DE, Clifford KA, Kowal S, Chambers JD. Are drug novelty characteristics associated with greater health benefits?. *Applied Health Economics and Health Policy*. 2024 Sep 3:1-6.
6. **Levine AA,** Cole MB, Michals AL, Wang N, Rubenstein E. Inequities in Medicaid home-and community-based services waiver enrollment among people with intellectual and/or developmental disabilities: A nationwide claims-based analysis. *Disability and Health Journal*. 2024 Aug 2:101676**.**
7. Clifford KA, **Levine AA**, Enright DE, Neumann PJ, Chambers JD. The health benefits, costs, and cost-effectiveness of ultraorphan drugs. *Value in Health*. 2024 Jul 31.
8. **Levine AA**, Kowal S, Chambers J. Improving how CMS defines "Unmet Medical Need" under the Inflation Reduction Act. *Health Affairs Forefront*. 2024 Jul 31.

9. Oberdhan D, Palsgrove AC, Houle CR, Lovell T, **Levine AA,** Frangiosa T, Biggar G, & Comer M. Care partner evaluation of the behaviors in the Cohen-Mansfield Agitation Inventory. *Frontiers in Dementia*. 2024 Mar 08. DOI: 10.3389/frdem.2024.1328874.
10. **Levine AA**, Shin MH, Adjognon OL, Engle RL, Sullivan JL. Overcoming barriers to implementation: mapping implementation strategies in four Hospital in Home programs within the Veterans Health Administration. *Home Health Care Services Quarterly*. 2024 Jan 6:1-8.
11. Rubenstein E, Tewolde S, **Levine AA**, Droscha L, Meyer RM, Michals A, Skotko B. Medicare, Medicaid, and dual enrollment for adults with intellectual and developmental disabilities. *Health Serv Res*. 2024 Jan 24. doi: 10.1111/1475-6773.14287. Epub ahead of print. PMID: 38264862.
12. Nooraie RY, Sullivan J, Zimmerman L, Shin M, Franzosa E, Dadgostar P, **Levine A**, Darcy D. Translating science into practice: Applying implementation science to streamline future HIH roll-out. *Innovation in Aging*. 2023 Dec 1;7(Supplement_1):164-5.
13. de Jager E, **Levine AA**, Sidey-Gibbons CJ, et al. Development and validation of a novel literature-based method to identify disparity-sensitive surgical quality metrics. *Journal of the American College of Surgeons*. 2023 Sep. DOI: 10.1097/xcs.0000000000000859.
14. Rubenstein E, Michals A, Wang N, Scott A, Tewolde S, **Levine AA**, Tripodis Y, Skotko B. Medicaid enrollment and service use among adults with Down syndrome: Comparisons to the intellectual disability population and other Medicaid enrollees, 2011-2019. *JAMA Health Forum*; 2023 Aug 4(4): e232320-e232320.
15. **Levine AA**, Panzer AD, Kauf TL, O'Sullivan AK, Strand L, Chambers JD. Specialty drug coverage varies between health plans' medical and pharmacy benefit policies. *Journal of Managed Care & Specialty Pharmacy*. 2023 Jun;29(6):607-13.
16. Rofail D, Sherman S, Hartford C, **Levine A**, Baldasaro J, Marquis P, Rao R, Do DV. Development and preliminary validation of an instrument to measure symptoms and impacts in patients with proliferative Diabetic Retinopathy. *Advances in Therapy*. 2023 Apr;40(4):1773-86.
17. Lin PJ, **Levine A**, Rucker J, Chambers JD. Variation in Medicaid and commercial payer coverage of aducanumab for Alzheimer's disease. *Alzheimer's & Dementia*. 2023 Feb 28, 19(8): 3654-3669.
18. Sherman SA, Rofail D, **Levine A**, Hartford CR, Baldasaro J, Marquis P, Rao R, Do DV. The patient experience with Diabetic Retinopathy: Qualitative analysis of patients with proliferative Diabetic Retinopathy. *Ophthalmology and Therapy*. 2022 Dec 3:1-6.
19. Sullivan JL, Yousefi-Nooraie R, D'Arcy D, **Levine A**, Zimmerman L, Shin MH, Franzosa E, Hung W, Intrator O. Hospital in Home: Evaluating Need and Readiness for Implementation (HENRI) in the Department of Veterans Affairs: Protocol for a mixed-methods evaluation and participatory implementation planning study. *Implementation Science Communications*. 2022 Dec;3(1):1-0.
20. de Jager E, Osman SY, **Levine AA**, Liu C, Gibbons MA, Ko CY, Burstin HR, Haider AH, Hoyt DB, Schoenfeld AJ, Britt LD. Disparity-sensitive measures in surgical care: A Delphi panel consensus. *Journal of the American College of Surgeons*. 2022 Sep 16:10-97.
21. Do DV, Sherman S, **Levine A**, Marquis P, Hartford C, Rao R, Rofail D. Development of a new patient-reported outcome instrument to assess Diabetic Retinopathy treatment experiences. *Investigative Ophthalmology & Visual Science*. 2022 Jun 1;63(7):816-.

22. **Levine A**, de Jager E, Britt LD. Perspective: Identifying and addressing disparities in surgical access: A Health systems call to action. *Annals of Surgery*. 2020; 271 (3), 427-430.
23. Young JD, Dee EC, **Levine A**, Sturgeon DJ, Koehlmoos TP, Schoenfeld AJ. Does universal insurance and access to care influence disparities in outcomes for pediatric patients with osteomyelitis? *Clinical Orthopaedics and Related Research*. 2020 Jul;478(7):1432.
24. de Jager E, **Levine AA**, Gibbons C, Gibbons MA, Weissman JS, Burstin H, Hoyt DB, Haider AH, Schoenfeld AJ, Britt L. Determining the disparity sensitivity of surgical metrics: Is a literature-based disparity sensitive score in agreement with expert determination?. *Journal of the American College of Surgeons*. 2019 Oct 1;229(4):S148.
25. De Jager E, **Levine A**, Udyavar NR, Burstin HR, Bhulani N, Hoyt DB, Ko CY, Weissman JW, Haider AH, Gibbons MM. Disparities in surgical access: a systematic literature review, conceptual model and evidence map. *Journal of the American College of Surgeons*. 2019; 228(3), 276-298.
26. Haider AH, Adler R, Schneider EB, Leitz TU, Ranjit A, Ta C, **Levine A**, Harfouch O, Pelaez D Kodadek L, Vail L, Snyder C, German D, Peterson S, Schuur JD, Lau BD. Assessment of patient-centered approaches to collect sexual orientation and gender identity information in the emergency department: The EQUALITY study. *JAMA Network Open*. 2018; 1(8), e186506.
27. Putney JM, **Levine A**, Collin CR, O'Brien KH, Mountain-Ray S, Cadet T. Teaching note—Implementation of online client simulation to train and assess screening and brief intervention skills. *Journal of Social Work Education*. 2019; 55(1), 194-201.
28. Putney JM, O'Brien KH, Collin CR, **Levine A**. Evaluation of alcohol Screening, Brief Intervention, and Referral to Treatment (SBIRT) training for social workers. In Begun A, DiNitto D, Straussner SL eds. *Implementing the Grand Challenge of Reducing and Preventing Alcohol Misuse and its Consequences*. NY: Routledge. 2018.
29. Putney JM, O'Brien KH, Collin CR, **Levine A**. Evaluation of alcohol Screening, Brief Intervention, and Referral to Treatment (SBIRT) training for social workers. *Journal of Social Work Practice in the Addictions*. 2017; 17(1-2), 169-187.

Presentations

1. **Levine AA**, Rubenstein E, Shafer P, Cole MB. Impact of Community First Choice In Alaska on Home- and Community-Based Service Utilization Among Medicaid Enrollees with I/DD. Podium presentation at AcademyHealth Annual Research Meeting. June 1, 2026; Seattle, WA.
2. Ramesh Y, Keshawarz A, Lissin P, **Levine AA**. Understanding Priorities of Quality Measurement in the Disability Equity Space. Poster presentation at AcademyHealth Annual Research Meeting. June 10, 2025; Minneapolis, MN.
3. Rivers Z, **Levine AA**, Beinfeld M, Klein I, Belinson S, Ben-Shachar R, Chambers J. Insurance complexity and restriction in real-world cancer patient cohorts. Poster presentation at AMCP Nexus. October 14, 2024; Las Vegas, NV.
4. **Levine AA**, Rubenstein E, Cole M. Racial/Ethnic disparities in Medicaid Managed Care Organization enrollment among adults with Intellectual and/or Developmental Disabilities. Poster presentation at AcademyHealth Annual Research Meeting, June 30, 2024; Baltimore, MD.
5. Barth J, Davila H, O'Malley K, Shin M, Montano AR, Howe R, **Levine AA**, Evans E, Pimentel C, Sullivan J. A citation review of Dissemination and Implementation (D&I) theories, models, or

frameworks utilized in international-based aging research. Poster presentation at AcademyHealth Annual Research Meeting, July 1, 2024; Baltimore, MD.

6. Jindal S, **Levine AA**, Cooper D. Age-Friendly Care & Hospital-In-Home: implementation in the VA health care system. Panel presentation at American Academy of Home Care Medicine, October 14, 2023; Seattle, WA.
7. Oberdhan D, Palsgrove A, Lovell T, **Levine A**, Frangiosa T. Caregiver perspectives on the meaningful change in agitation behaviors measured by the Cohen-Mansfield Agitation Inventory. Poster presentation at: International Psychogeriatric Association (IPA) International Congress, June 29 – July 2, 2023; Lisbon, Portugal.
8. **Levine AA,** Rucker J, Chambers JD, Lin PJ. Variation in Medicaid and commercial payer coverage of aducanumab for Alzheimer's disease. Poster presentation at AcademyHealth Annual Research Meeting, June 23-26, 2023; Seattle, WA.
9. **Levine A**, Cole M, Michals AL, Wang N, Rubenstein E. Racial and ethnic inequities in home- and community-based services waivers for people with intellectual/developmental disabilities: A nationwide analysis. Oral presentation at: Society for Epidemiologic Research 2023; June 14-16, 2023; Portland, OR and AcademyHealth Annual Research Meeting 2023; June 23-26, 2023; Seattle, WA.
10. **Levine A**, Kauf TL, O'Sullivan AK, Strand LN, Chambers JD**.** Does specialty drug coverage vary between health plans' medical and pharmacy benefit policies? Poster presentation at: ISPOR 2022; May 15-18, 2022; Washington, DC.
11. **Levine, A**. Medicare coverage during the COVID-19 pandemic is associated with greater in-person, but not remote, mental health care use. Poster presentation at: AcademyHealth Annual Research Meeting; June 14-17, 2021; virtual.
12. Petrillo J, **Levine A**, Markowitz J, Johannesen J, Lovell T, Rams A, Gusse E, Cano S, Koenig A, Doherty JJ, Kanes SJ. Executive functioning changes in early Huntington's Disease: A Qualitative research study. Poster presentation at: Huntington Study Group 2020; October 29-31, 2020; virtual.
13. de Jager E, **Levine A**, Ko C, Cohen ME, Weissman JS, Maggard-Gibbons M, Burstin H, Haider AH, Hoyt D, Schoenfeld A, Britt L. Operationalizing disparity sensitive metrics; the limitations of current metrics and datasets. Poster presentation at: Academic Surgical Congress 2020; February 5, 2020; Orlando, FL.
14. de Jager E, **Levine A**, Gibbons C, Maggard-Gibbons M, Weissman J, Burstin H, Hoyt DB, Haider AH, Schoenfeld A, Britt LD. Determining the disparity sensitivity of surgical metrics; is a literature-based disparity sensitive score in agreement with expert determinations? Oral presentation at: American College of Surgeons Clinical Congress 2019; October 30, 2019; San Francisco, CA.
15. Chaudhary MA, McCarty J, **Levine A**, Koehlmoos TP, Haider AH, Schoenfeld AJ. Association between surgical volume and discretionary orthopedic surgery outcomes in military hospitals. Oral presentation at: American College of Surgeons Clinical Congress 2018; October 22, 2018; Boston, MA.
16. **Levine A**, Chelo C. Policy and research in support of substance misuse prevention and intervention for LGBTQ communities. Oral presentation at: LGBTQ+ Clinician Conference; May 24, 2018; Marlborough, MA.

17. Collin CR, **Levine A**, Putney JM, O'Brien KH. Discrepancies between favorable attitudes about substance use interventions and use of SBIRT in clinical practice. Podium presentation at: Association for Medical Education and Research in Substance Abuse conference; November 4, 2017; Washington, DC.
18. **Levine A**, Collin CR, Putney JM, O'Brien KM, Cadet T. Integrated primary health care: A model to increase the capacity of social workers' skills in addressing substance misuse. Podium presentation at: American Public Health Association 2017 Annual Meeting; November 7, 2017; Atlanta, GA.
19. **Levine A**, O'Brien KH, Putney JM, Collin CR. Integrating online patient simulation of screening and brief intervention in social work curricula. Poster presentation at: International Network on Brief Interventions for Alcohol and Other Drugs; September 14, 2017; New York, NY.
20. **Levine A**, Collin CR, Putney JM, O'Brien KH. Evaluating the acceptability and effectiveness of SBIRT training in social work and nursing education. Poster presentation at: Association for Medical Education and Research in Substance Abuse Conference; November 3, 2016; Washington, DC.