

*Curriculum Vitae*

**Tatiane Costa dos Santos**

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Website: [www.communitybenefitresearch.com](http://www.communitybenefitresearch.com)

**EDUCATION**

PhD, Health Services Research with cognates in Organization and Management Theory, and Social Network Analysis, Colorado School of Public Health, University of Colorado Anschutz Medical Campus, December 2019

*Dissertation: "Is Collaboration Between Nonprofit Hospitals and Local Health Departments Effective? An Analysis of Hospital Community Benefit Activities"* (Mentor: Richard C. Lindrooth, PhD)

MPH, Health Policy and Management, Boston University School of Public Health, May 2004

BS, Biochemistry, Suffolk University, May 2000

**TEACHING EXPERIENCE**

**Lead Instructor**

Health Services and Policy Research Methods II: Causal Inference using Observational Data in Applied Health Care Research, Spring 2021 (MPH-level Stata Lab Instructor – University of Pennsylvania)

Business of Behavioral Health, Fall 2021 (MBA-level – The Wharton School at the University of Pennsylvania)

Mental Health Systems and Policy, Spring 2020 (MPH-level - Colorado School of Public Health)

**Graduate Teaching Assistant**

Health Equity, Fall 2018 and 2019 (MPH-level)

Health Systems, Management and Policy, Spring 2016, 2017 and 2018 (MPH Core Course)

Current Global Health Policy Issues, Fall 2017 (MPH-level)

Management, Budgeting and Public Health Administration, Fall 2016 (MPH-level)

**ACADEMIC EXPERIENCE**

**Postdoctoral Fellow, The Wharton School and Leonard Davis Institute of Health Economics at the University of Pennsylvania, Philadelphia, PA. 07/2020-present**

**Associate Fellow Appointments:** Leonard Davis Institute of Health Economics and Center for Public Health Initiatives

Principal investigator: Study of alternative payment models for primary care transformation and behavioral health integration.

Grant (\$10,000): Mack Institute for Innovation Management, Research Fellowship 2021. "Effectiveness of Behavioral Health Integration Into the Primary Care Setting"

Principal investigator: Study of nonprofit hospital and local health department collaboration in local health planning to address the drug epidemic and other population health priorities.

Co-investigator: Study of substitution and complementarities between acute care settings in the context of the COVID-19 pandemic (focused on urgent care, emergency department, and primary care utilization).

Co-investigator: Study of the value of primary care as a gatekeeper and coordinator of care.

**Senior Research Instructor, University of Colorado Anschutz Medical Campus, Aurora, CO. 10/2014-present**

CSPH COVID-19 Modeling Group under the leadership of Dean Jonathan M. Samet, MD, MS. Project Lead: [ColoradoSPH Colorado Population Data Dashboard \(Website\) development](#): Reaching to Communities to Inform About the COVID-19 Epidemic. Leading the development of a website, database, and spin-off tools to support decision-making in CO, state and local level, and Coloradans generally.

Co-Investigators: Tatiane Santos and Karl Kim. [COVID-19 Contact Tracing Working Group](#). COVID-19 Working Group for Public Health and Social Sciences Research. Supported by the National Science Foundation-funded Social Science Extreme Events Research (SSEER) network and the CONVERGE facility at the Natural Hazards Center at the University of Colorado Boulder.

Research Projects:

*Understanding Hospital Community Benefits: A Mixed Methods Approach* funded by the Agency for Healthcare Research and Quality (R01HS24959-01, PI: Richard C. Lindrooth)

*Mixed methods evaluation of the impact of the Colorado Accountable Care Collaborative on spending and key performance indicators* funded by the Colorado Department of Health Care Policy and Financing (PI: Richard C. Lindrooth)

## PUBLICATIONS

**Santos T**, Lee SD, East C, Lindrooth RC. Can Collaboration Between Nonprofit Hospitals and Local Health Departments Influence Population Health Investments by Nonprofit Hospitals? *Med Care*. 2021 Aug 1;59(8):687-693. doi: 10.1097/MLR.0000000000001561

**Santos T**, Lindrooth RC. Nonprofit Hospital Community Benefits: Collaboration With Local Health Departments to Address the Drug Epidemic. *Med Care*. 2021 Jul 26. doi: 10.1097/MLR.0000000000001595

**Santos T**, Singh S, Young GJ. Medicaid Expansion and Not-For-Profit Hospitals' Financial Status: National and State-Level Estimates Using IRS and CMS Data, 2011-2016. *Med Care Res Rev*. 2021 Apr 22:10775587211009720. doi: 10.1177/10775587211009720.

**Santos T**, Bergman A, Song H, David G, Smith-McLallen A. (2021) Does Behavioral Health Integration in the Primary Care Setting Improve Access to Mental and Behavioral Health Services? An Analysis Pre- and Post-COVID-19. *In progress*

**Santos T**, Bergman A, Song H, David G, Smith-McLallen A. (2021) The Impact of Behavioral Health Integration in Primary Care Practices in a Post-COVID-19 World. *In progress*

**Santos T**, Song H, Smith-McLallen A. (2021) The Status of Behavioral Health Integration in Primary Care: A Qualitative Study. *In progress*

**Santos T**, Agarwal A, Perrone J, Smith-McLallen A. (2021) Social Vulnerability Index and Access to Buprenorphine in a Privately Insured Population: Inequities Pre- and Post-COVID-19. *In progress*

**Santos T**, Agarwal A, Perrone J, Smith-McLallen A. (2021) Opioid Treatment Policy Relaxation and Trends in Buprenorphine Prescribing Among a Privately Insured Population. *In progress*

**Santos T**, Agarwal A, Perrone J, Smith-McLallen A. (2021) Does Provision of Medication-Assisted Therapy for Opioid Use Disorder in the Primary Care Setting Improve Access and Patient Outcomes? *In progress*

Rhodes, J.H.; Singh, S.; Young, G.; **Santos, T.** (2021) Impact of COVID-19 on Hospital Operating Margins and Uncompensated Care Costs. *In progress*

**Santos, T.;** Singh, S.; Young, G.; Rhodes, J.H. (2021) Predicted Impact of Medicaid Expansion on Uncompensated Care Costs of Hospitals Located In Non-Medicaid Expansion States. *In progress*

- Santos, T.** (2020). Nonprofit Hospital Targeted Health Priorities and Collaboration with Local Health Departments in the First Round Post-ACA: A National Descriptive Study. *Front. Public Health* 8:88
- Ramadan, O.; **Santos, T.**; Stoecker, J.B.; Belkin, N.; Rice, J.; Jackson, B.M.; Schneider, D.B.; Wang, G.J. (2021) The Differential Impact of Medicaid Expansion on Racial Disparities Following Peripheral Vascular Intervention. *Under review.*
- Da Silva, D. T.; **Santos, T.**; Petsis, D.; Mahajan, A.; Bonett, S.; Wood, S. (2021) Chlamydia trachomatis/Neisseria gonorrhoea retesting among adolescents in a primary care network. 2014-2020. *Under review.*
- Johnson, E., Hardy, R., **Santos, T.**, Leider, J., Lindrooth, R., & Tung, G. (2019). State Laws and Nonprofit Hospital Community Benefit Spending. *Journal of Public Health Management and Practice*, 25(4), E9-E17.
- Koh, S., **Santos, T.C.**, Cole, A.J. (2005). Susceptibility to seizure-induced injury and acquired microencephaly following selective depletion of basal forebrain cholinergic neurons in developing rat brain. *Exp Neurology*; 194:457-466.
- Koh, S., Storey, T.W., **Santos, T.C.**, Mian, A.Y., Cole, A.J. (2001). Early-life seizures in rats increase susceptibility to seizure-induced brain injury in adulthood. *Neurology*; 57:S22-28
- Koh, S., Storey, T.W., **Santos, T.C.**, Mian A.Y., Cole A.J. (1999). Early-life seizures in rats increase susceptibility to seizure-induced brain Injury in adulthood. *Neurology*; 53(5):915-921

#### BOOK CHAPTERS

- jimi adams, Tatiane Santos, and Venice Ng Williams (2010). "Strategies for Collecting Social Network Data: Overview, Assessment and Ethics." Chapter 7 in Light R & Moody J (eds.) *Oxford Handbook of Social Networks*. Oxford University Press. <https://doi.org/10.31235/osf.io/zgawf>
- (*Research assistance to author*) jimi adams. (2018) *Gathering Social Network Data*. SAGE, Quantitative Analysis in the Social Sciences Series.

#### WORKING PAPERS

- Santos, T.**; Lindrooth, R.C. (2020). Hospital Collaboration with Local Health Departments on Community Health Improvement Activities: Is the Whole More Effective than the Sum of Its Parts?
- Park, K.; **Santos, T.**; Moon, J.R.; Awoonor, K.; Oh, J. (2020). Contact Tracing of COVID-19 Patients: Experience at the District Level in South Korea and Lessons Learned.
- Santos, T.**; Shoou-Yih, D.L.; Lindrooth, R.C.; adams, j. (2020). Using Social Network Methods to Understand the Relationship Between Local Health Department Social Capital and Community Health
- Lindrooth, R.C., **Santos, T.**, Owsley, K., Tung, G. (2020) Understanding the Heterogeneous Effects of the Affordable Care Act on Urban and Rural Hospitals.
- Lindrooth, R.C., **Santos, T.**, Owsley, K., Tung, G. (2020) The Association of Hospital Financial Performance and Community Benefit Spending.
- Tung, G; **Santos, T.**; Hardy, R.; O'Leary, S.; McConnell, KJ; Zerzan, J.; Lindrooth, R.C. (2019) The Accountable Care Collaborative: Spending Impacts and Provider Responses to Colorado's Medicaid Reforms.
- Santos, T.**, Tung, G., Hardy, R., O'Leary, S., Lindrooth, R.C. (2019) Does external grant funding facilitate the success of new Medicaid initiatives?

Tung, G.; **Santos, T.**; Hardy, R.; O'Leary, S.; Lindrooth, R.C. (2019) Enhancing quality and value in Colorado's Medicaid Accountable Care Collaborative: Care coordination approaches among primary care medical providers in Colorado's Medicaid program.

## REPORTS

**Santos, T.** (2020). Colorado Local Public Health Agency Contact Tracing Workforce and Technical Capacity: Final Report.

Adams, J., Bayham, J., **Santos, T.**, Ghosh, D., and Samet, J. (2020). Comparing the Boundaries Between Mobility-Identified Communities and Potential Administrative Definitions for COVID-19 "Protect Our Neighbors" Criteria.

**Santos, T.**, Lindrooth, R., Waxmonsky, J. (2019). *Colorado State Innovation Model. Financial Sustainability Analysis and Recommendations: Jefferson Plaza Family Health Home*

Tung, G., **Santos, T.**, Hardy, R., O'Leary, S., Lindrooth, R.C. (2017). *Evaluation of the Accountable Care Collaborative, Final Report*. Denver, CO. Colorado Department of Health Care Policy and Financing. <https://www.colorado.gov/pacific/sites/default/files/ACC%20Evaluation%20Full%20Report.pdf>

Lindrooth, R.C., Tung, G., Santos, T., O'Leary, S. (2015) *Evaluation of the Accountable Care Collaborative: Year 1 Report*. Denver, CO. Colorado Department of Health Care Policy and Financing. [https://www.colorado.gov/pacific/sites/default/files/ACC%20Evaluation%20Year%201%20Final%20Report%20Final%201%2012%207%2015%20\(1\).pdf](https://www.colorado.gov/pacific/sites/default/files/ACC%20Evaluation%20Year%201%20Final%20Report%20Final%201%2012%207%2015%20(1).pdf)

## CONFERENCE PRESENTATIONS

**Santos, T.** "Nonprofit Hospital Community Benefits: Collaboration with Local Health Departments to Address the Drug Epidemic." Session: Delivery System Transformation and Hospitals Oral presentation by Tatiane Santos at the AcademyHealth State-University Partnership Learning Network Virtual Adjunct Meeting: Research and Relevance in State Health Policy (2021).

**Santos, T.** "Medicaid Expansion and Not-For-Profit Hospitals' Financial Status: National and State-Level Estimates Using IRS and CMS Data, 2011-2016." Session: Delivery System Transformation and Hospitals Oral presentation by Tatiane Santos at the Academy Health State-University Partnership Learning Network Virtual Adjunct Meeting: Research and Relevance in State Health Policy (2021).

**Santos, T.** "Medicaid Expansion and Not-For-Profit Hospitals' Financial Status: National and State-Level Estimates Using IRS and CMS Data, 2011-2016." Session: The Effect of Coverage Expansion on Providers. Oral presentation by Tatiane Santos at the 10<sup>th</sup> Annual Conference of the American Society of Health Economists (2021).

**Santos, T.**, "Medicaid Expansion and Not-For-Profit Hospitals' Financial Status: National and State-Level Estimates Using IRS and CMS Data, 2011-2016." Oral presentation by Tatiane Santos at the 27th Annual AHRQ NRSA Trainees Research Conference (2021).

**Santos, T.**, "Medicaid Expansion and Not-For-Profit Hospitals' Financial Status: National and State-Level Estimates Using IRS and CMS Data, 2011-2016." Oral presentation by Tatiane Santos at the American Public Health Association Annual Meeting (2021).

**Santos, T.** "Hospital Collaboration with Local Health Departments on Community Health Improvement Activities: Is the Whole More Effective Than the Sum of Its Parts?" Session: Improving Health through Multi-sector Collaboration: Outcomes, Progress and Challenges. Oral presentation by Tatiane Santos at the AcademyHealth Annual Research Meeting 2020. Note: In-Person meeting canceled due to COVID-19.

**Santos, T.** “Hospital collaboration with local health departments on substance abuse and overdose prevention: Joint local health planning”. Oral presentation by Tatiane Santos at the 2020 American Public Health Association Annual Meeting.

Waxmonsky, J., Tyson, S., **Santos, T.**, Swenson, M., Shiltz, M. “Making the Business Case for Sustainability: Clinical and Economic Outcomes from Jefferson Plaza Family Health Home”. Oral presentation by Tatiane Santos at the 2020 Collaborative Family Healthcare Association's Annual Conference.

**Santos, T.** “Not-for-profit Hospital and Local Health Department Collaboration on Population Health Assessment, Planning and Improvement: Influence on Community Benefit Spending Behavior of Not-For-Profit Hospitals”. Oral presentation by Tatiane Santos at the 2018 American Public Health Association Annual Meeting.

## SERVICE

**Journal Referee:** American Journal of Public Health (2021), Journal of Rural Health (2021), Drug and Alcohol Dependence (2020), Health Economics (2020), INQUIRY: The Journal of Health Care Organization, Provision, and Financing (2018)

**Report Reviewer:** Federal Reserve Bank of Philadelphia, Community Development and Regional Outreach Department

**Abstract Reviewer:** Academy Health 2021, and American Public Health Association Annual Meeting: Community Health Planning and Policy Development Program (2020)

**Invited Lecturer:** Summer Undergraduates Minority Research Program. University of Pennsylvania. Philadelphia, PA, 2021.

**Invited Lecturer:** Patient Protection and Affordable Care Act and Better Care Reconciliation Act. Colorado School of Public Health. Denver, CO, 2017.

**Invited Lecturer:** Why Haven't We Found a Cure For Cancer? Project Bridge: Science in the News Community Presentation Series. Denver, CO, October 2018. <http://www.projbridge.org/sitn.html>

**Invited Lecturer:** From Social Ethics to Public Health Ethics. Colorado School of Public Health. Denver, CO, 2018.

**Invited Lecturer:** Patient Protection and Affordable Care Act and Implications for Health Equity. Colorado School of Public Health. Denver, CO, 2018 and 2019.

**Invited Lecturer:** Patient Protection and Affordable Care Act and Recent Regulatory Challenges. Colorado School of Public Health. Denver, CO, 2019.

## AD HOC CONSULTING

Federal Reserve Bank of Philadelphia. Reviewed and provided comments on report: Exploring Hospital Investments in Community Development (2020)

Economic Analysis of the Jefferson Center for Mental Health's Health Home Model. 01/2017 to 06/2020

Subcontract from the Jefferson Center for Mental Health (\$79,700). Parent grant: *CO State Innovation Model: Bi-Directional Integration of Physical and Mental Health* funded by Center for Medicare & Medicaid Innovation: State Innovation Model. Economic analysis of the financial sustainability of a health home model under alternative reimbursement approaches. Role: Co-PI (with Richard C. Lindrooth)

Social Network Analysis of VT's model for primary care reform, 01/2015 to 12/2017

Funded by the Vermont Blueprint for Health initiative. Used social network methods to explore multi-sectorial collaboration and its impact on cost and access to care. Role: PI

*(Core partner in RWJF grant and contributor to article)* Burke, N. M., MPP, Chomitz, V.R., PhD, Rioles, N.A., MA, Winslow, S.P., JD, Brukilacchio, L.B., EdM, Baker, J.C., MA. The Path to Active Living: Physical Activity Through Community Design in Somerville, Massachusetts. <https://healthyplacesbydesign.org/wp-content/uploads/2014/07/Path-Burke.pdf>

## **PROFESSIONAL EXPERIENCE**

AbbVie / Quintiles, Boston, MA, 02/2012 – 10/2015

New England Regional Leader – Psoriasis and Psoriatic Arthritis Patient Advocacy Program

BK Worldwide, Location, Newton, MA, 05/2010 - 12/2012

Manager of Market Research/Project Manager

Cambridge Health Alliance, Cambridge, MA, 02/2004- 04/2010

Manager of Community Outreach and Enrollment

Massachusetts Alliance of Portuguese Speakers, Cambridge, MA, 01/2002 – 06/2008

Program Manager: Healthy Mind, Healthy Body

Massachusetts General Hospital and Children's Hospital, Cambridge, MA, 10/1997 – 05/2002

Research Associate

## **HONORS AND AWARDS**

Delta Omega National Honorary Society in Public Health. Elected by the Alpha Upsilon Chapter at the Colorado School of Public Health

University of Colorado President's Diversity Fund for Development and Support (2015)

Boston University School of Public Health Academic Excellence Grandfathered Scholarship (2003-2004)

Suffolk University (1997-2000) Student Government Association: Outstanding Sophomore of the Year

American Chemical Society: Outstanding Student in Organic Chemistry

Suffolk University: Delta Alpha Pi Honor Society "Excellence in Academic Achievement"

Outstanding academic achievement in biochemistry, service, and potential for independent research

Highest Class Honors and Dean's High Honor List; Dean's Scholarship (Academic excellence)

## **LANGUAGES**

English (fluent), Portuguese (fluent), and Spanish (mid-level fluency)