Curriculum Vitae

Michele Santacatterina, PhD

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Current Academic Appointments

2021 - Present	Assistant Professor, Division of Biostatistics, Department of Population Health (DPH) New York University Grossman School of Medicine (NYUM)
2025 - Present	Research Advisor, Google DeepMind
2023 - Present	Adjunct Professor of Biostatistics, Rockefeller University
2024 - Present	Affiliated Faculty, NYU Center for Data Science

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Education and Training

Education

Year	Degree	Field	Institution
2009	B.S.	Statistics	University of Padua, Padua, Italy
2012	M.S.	Biostatistics	University of Milano-Bicocca, Milan, Italy
2018	Ph.D.	Biostatistics	Karolinska Institute, Stockholm, Sweden

Postdoctoral Training

2018-2020	Data Science	Dr. Nathan Kallus, Cornell University, New York, NY

Previous Appointments and Leadership Positions

2020-2021	Assistant Professor	George Washington University (GWU), Washington DC, DC
2022-2025	Visiting Researcher	Google New York, NY

Research Activity

Personal statement

Data science methods, such as statistical, machine learning, deep learning, and causal inference, and optimization techniques, have become a central part of the decision-making process in healthcare. My research revolves around developing and applying robust data science methods to improve healthcare decision-making with real-world data. Application areas include, but are not limited to, estimating treatment effects from real-world observational studies, generalizing treatment effects from randomized trials to real-world populations, predicting health outcomes, and estimating individualized and dynamic treatment regimes for personalized medicine.

Grant History

Principal Investigator	Funding Agency	Role	Effort	Project Title
Active				
Michele Santacatterina	NSF	PI	16%	SCH: Interpretable survival analysis of complex longitudinal data
Michele Santacatterina	NIH	PI	15%	SCH: Advancing methodology for adaptive randomized experiments: a structural causal machine learning framework
Glenn Saxe	NIH	Co-I	7%	Center on causal data science for child maltreatment prevention
Magdalena Cerda	NIH	Co-I	10%	A comparative evaluation of overdose prevention program
Andrea Troxel	NINDS	Co-I	5%	EPPIC-NET DCC
Charles Neighbors	NIH	Co-I	7%	Quality of care for opioid use disorder
Nunzio Pomara	NIA	Co-I	5%	Depression Treatment and Aβ Dynamics
Donald Goff	NIH	Co-I	5%	Levetiracetamin in First Episode Psychosis
Donald Goff	NIH	Co-I	5%	Hippocampal memory circuits in delusions
Naomi Simon	NIH	Co-I	10%	CBD for social anxiety disorder
Amanda Bunting	NIH	Co-I	5%	STAIR-NT Trauma Intervention for Polysubstance Populations
Naomi Simon	NCCIH	Co-I	7%	MBSR in Generalized Anxiety Disorder
Stacy Loeb	NIH	Co-I	2.5%	Addressing Misinformation to Promote Equity in Prostate Cancer Care
Stacy Loeb	DoD	Co-I	5%	Promote Equity in Prostate Cancer Care Among Hispanic/Latinx Men
Aaron Johnson	NIDCD	Co-I	5%	Effect of vocal fold injury on laryngeal muscle dysfunction
Pending				
Michele Santacatterina	NIMH	PI	57%	Integrating real-world data to conduct replication studies in schizophrenia
Donald Goff	NIMH	Co-I	20%	Mitochondrial function in mid-life and late-life schizophrenia
Donald Goff	NIMH	Co-I	10%	Suvorexant for paranoia
Naomi Simon	NIH	Co-I	10%	Elucidating Cognitive and Neural Mechanisms of DSM-5 Prolonged Grief Disorder
Amanda Bunting	NIH	Co-I	5%	A community-based business intervention for neighborhood overdose prevention
Amanda Bunting	NIH	Co-I	5%	Optimizing a mobile app-based PTSD treatment for patients receiving methadone maintenance treatment
Amanda Bunting	NIH	Co-I	5%	Implementation of a local community overdose prevention and response intervention
Nunzio Pomara	NIH	Co-I	3%	TREM2-Related Activation and Vulnerability to Alzheimer's Disease in Depression
David Landsberger	NIH	Co-I	3%	Predicting outcomes in cochlear implant candidates with acoustic hearing
David Charytan	NIH	Co-I	10%	Precision approach to dialysate potassium prescription
Steve Ross	NIH	Co-I	5%	Psilocybin-assisted Psychotherapy to Treat Fear of Cancer Recurrence in Early-Stage Breast Cancer
Michael Bogenschutz	NIH	Co-I	15%	Evaluation of psilocybin as an adjunctive treatment for opioid use disorder in methadone-maintained patients who continue to use illicit opioids
Jose Aleman	NIH	Co-I	5%	Early Time Restricted Eating Effects on Bariatric Weight Regain
Alan Schlechter	NIH	Co-I	3%	A Low Cost Behavioral Neuroscience-based Intervention to Decrease Youth Mental Health Services Dropout: The Positive Approach

EDUCATION ACTIVITY

Teaching Activities

Fall 2022 — Statistical Learning, Graduate Level Course for PhD students in Biostatistics, *Course Co-Director*, NYUM

Spring 2023 — Statistical Inference II, Graduate Level Course for PhD students in Biostatistics, *Course Co-Director*, NYUM

03/2023 — Applied Causal Inference for Real-World Observational Studies, half-day course, *Course Director*, ENAR

06/2023 — Causal Inference in Epidemiology, week-long course, *Course Director*, Summer School on Modern Methods in Biostatistics and Epidemiology

Fall 2023 — Modern Causal Inference Methods, Graduate Level Course for PhD students in Biostatistics, *Course Co-Director*, NYUM

03/2024 — Applied Causal Inference for Real-World Observational Studies, 1-day course, *Course Director*, Harvard Catalyst

Spring 2024 — Statistical Inference II, Graduate Level Course for PhD students in Biostatistics, *Course Co-Director*, NYUM

Spring 2025 — Statistical Inference II, Graduate Level Course for PhD students in Biostatistics, *Course Co-Director*, NYUM

06/2025 — Causal Inference in Epidemiology, week-long course, *Course Director*, Summer School on Modern Methods in Biostatistics and Epidemiology

Invited Talks and Teaching of Peers

Internal
Sponsored by NYU Langone Health

09/2021 — Invited Talk, Real-World SARS-CoV-2 Vaccine Effectiveness in North Carolina: The COVID-19 Community Research Partnership., Division of Biostatistics Seminar, DPH, NYUM

09/2022 — Invited Talk, Deep Survival Analysis with Longitudinal X-rays for COVID-19., DPH seminar series, NYUM

10/2024 — Invited Lecture, Introduction to causal inference, NYUM Biomedical Informatics Masters Training Program, NYUM

06/2025 — Invited Talk, Applications of AI in medicine: a few examples from the Division of Biostatistics, NYUM

External to NYU

09/2014 — Poster, Antiretroviral therapy among HIV-infected people who inject drugs in Sweden: access and treatment response. HIV Nordic conference.

09/2015 — Invited Talk, Weight watchers: How to optimize your weight. Nordic and Baltic Stata Users Group meeting.

09/2016 — Talk, Optimal probability weights for inference with constrained precision. Royal Statistical Society International Conference.

04/2017 — Poster, Estimating treatment effects with optimal inverse probability weighting. UK Causal Inference Meeting.

09/2017 — Talk, Estimating treatment effects with optimal inverse probability weighting. Royal Statistical Society International Conference.

10/2017 — Invited Talk, Optimal probability weights for inference with constrained precision. MELODEM Selection Group Meeting.

04/2018 — Talk, Optimal balancing of time-dependent confounders for marginal structural models Second. EUROCIM Causal Inference 2018.

09/2018 — Invited Talk, Optimal Weighting for Causal Inference. Cornell - AI Seminar.

10/2018 — Talk, Optimal balancing of time-dependent confounders for marginal structural models Second. TRIPODS PI meeting.

05/2019 — Talk and poster, Optimal estimation of generalized average treatment effects using Kernel Optimal Matching. Atlantic Causal Inference Conference 2019.

09/2019 — Invited Talk, Kernel optimal orthogonality weighting: a balancing approach to estimating effects of continuous treatments. Cornell Machine Learning in Medicine.

01/2020 — Invited Talk, Kernel optimal orthogonality weighting: a balancing approach to estimating effects of continuous treatments. McGill Department of Biostatistics - Biostatistics Seminar.

03/2020 — Invited Talk, IMS invited session on challenges for precision medicine. ENAR 2020

08/2020 – Invited Talk, Optimal estimation of generalized average treatment effects using Kernel Optimal Matching., JSM 2020 - Health policy statistics section.

12/2020 – Talk, Optimal Weighting for Estimating Generalized Average Treat- ment Effects, Harvard - Machine Learning and Causal Inference Reading group.

02/2021 – Invited Talk, Optimal Weighting for Estimating Generalized Average Treatment Effects, GWU - Statistics Seminar Series.

03/2021 – Talk, Robust Weights that Optimally Balance Confounders for Estimating the Effect of Binary and Continuous Treatments with Time-to-event Data., ENAR 2021.

08/2021 – Talk, Optimal Weighting for Estimating Generalized Average Treatment Effects, JSM 2021.

04/2022 – Invited Talk, Optimal Weighting for Causal Inference, Columbia Causal Inference Learning Seminar 2022.

05/2022 – Poster, A double machine learning estimator to generalize survival curves from trials to real-world target populations, American Causal Inference Conference 2022.

05/2022 – Poster, Scalable Bootstrap Algorithms for Causal Inference with Large Real-World Data, American Causal Inference Conference 2022.

12/2022 – Invited Talk, Optimal Weighting for Causal Inference, 14th International Conference of the ERCIM WG on Computational and Methodological Statistics.

04/2023 – Invited Talk, Applied Causal Inference for Observational Studies, Seminar Series, Center for Biostatistics, Mount Sinai.

02/2024 – Invited Talk, Exploring the role of AI in medical research: a causal perspective, R^3/AI talk, Rockefeller University, New York.

05/2024 – Invited Talk, Identification and estimation of causal effects using non-concurrent controls in platform trials, SCT 2024, Boston.

05/2024 – Invited Talk, Identification and estimation of causal effects using non-concurrent controls in platform trials, ACIC 2024, Seattle.

08/2024 – Invited Talk, Identification and estimation of causal effects using non-concurrent controls in platform trials, JSM 2024, Portland.

11/2024 – Invited Talk, Identification and estimation of causal effects using non-concurrent controls in platform trials, J & J Statistical seminar, online.

02/2025 – Invited Talk, Causal inference for small and large data: efficient data integration and scalable estimation, Purdue University Department of Statistics, La Fayette.

08/2025 – Invited Talk, Identification and estimation of causal effects using non-concurrent controls in platform trials, EcoStat 2025, Tokyo.

11/2025 – Invited Talk, Causal inference for small and large data: efficient data integration and scalable estimation, UCLA PCI Lab Causal Learning Group Meeting, online.

01/2026 – Invited Talk, Identification and estimation of causal effects using non-concurrent controls in platform trials, Basel Biometric Society (BBS) Statistical seminar, online.

Mentoring and Advising

Predoctoral students supervised and/or mentored
Master students

07/2015 - 11/2017	Chiara Chiavenna	Biostatistics	Karolinska Institutet	Mentor
08/2017 - 12/2017	Claudia Carlucci	Biostatistics	Karolinska Institutet	Mentor
10/2019 - 06/2020	Yaniv Ravid	ORIE	Cornell	Research advisor
10/2020 - 08/2021	Nolan Kuenster	Epidemiology	GWU	Research advisor

Doctoral students

01/2022 - 04/2022	Axel Martin	Biostatistics	NYUM	Rotation advisor
05/2022 - Present	Axel Martin	Biostatistics	NYUM	Research advisor
01/2023 - 04/2023	Federico Macchiavelli	Biostatistics	NYUM	Rotation advisor
05/2023 - 08/2023	Antonio D'Alessandro	Biostatistics	NYUM	Rotation advisor
09/2023 - Present	Antonio D'Alessandro	Biostatistics	NYUM	Research advisor
08/2023 - 12/2023	Xinyi Zhang	Biostatistics	NYUM	Rotation advisor
08/2024 - Present	Xinyi Zhang	Biostatistics	NYUM	Research advisor
08/2023 - 12/2023	Jiacheng Ge	Biostatistics	NYUM	Rotation advisor
10/2024 - Present	Matas Griskaitis	Epidemiology	NYUM	Rotation advisor
10/2024 - 01/2025	Richard Liu	Biostatistics	NYUM	Rotation advisor
01/2025 - Present	Richard Liu	Biostatistics	NYUM	Research advisor
04/2025 - Present	Anushree Iyengar	Biostatistics	NYUM	Rotation advisor

Dissertation committee

| 10/2021 - Present, | Juan Gago | Epidemiology | NYUM | Dissertation Committee Member |
| 01/2023 - Present, | Danni Wu | Biostatistics | NYUM | Dissertation Committee Member |

NIH K award

| 11/2024 - Present, | Soumik Mandal | NYUM | K Award Mentor |

Institutional, Local/National Service and Related Activity

Institutional Service

2022 - 2024	NYUM Faculty Senator, NYUM
2021 - Present	DPH Anti Racism Town Hall Member, NYUM
2023 - Present	Working group development and symposium development, Co-Champion, DPH, NYUM
2023 - Present	PhD program review and curriculum development, Co-Champion, NYU
2023 - 2024	Symposium in advances in causal inference methods, Co-Champion, NYU

| 2024 - 2025 | Symposium in design and analysis of modern randomized clinical trials, Co-Champion, NYU |

Professional Service for Professional Organizations

2024-Present	Invited scientific reviewer for PCORI's Improving Methods for Conducting Patient-Centered Comparative Clinical Effectiveness Research
2024	Invited scientific reviewer for PCORI's Cycle 1, 2024 Broad Pragmatic Studies
2024	Invited reviewer for an NSF-NIH panel on Smart and Connected Health
2023	Chair of an abstract parallel session on generalizability, Society for Causal Inference
2018 - Present	Committee Member of the European Causal Inference Society (EUROCIM)

Advisory Boards and Consultant Positions

| 2024 - Present | DSMB chair for the study Targeting Dopamine-Mediated Social Reward Sensitivity to Remediate Social Disconnection (NIH-R61 Project) |
| 2022 - Present | Data and Safety Monitoring Board (DSMB) for multiple studies funded by NIMH/NIH (role: statistician) |

Organizing Roles in Scientific Meetings

2019	Organizer of the symposium: Optimization methods for causal inference Atlantic Causal Inference Conference 2019
2019	Organizer of the workshop: "Do the right thing": machine learning and causal inference for improved decision making, NeurIPS, 2019
2021	Organizer and chair of the invited paper session: Leveraging real-world data for improved medical decision-making: challenges, opportunities, and recent developments ENAR 2021
2023	Program chair of the Generalization and Transportability session at ACIC 2023
2023	Member of the organizing committee for the Symposium in advances in causal inference methods, NYU
2024	Local organizing committee member LiDS 2025
2025	Member of the organizing committee for the Symposium in design and analysis of modern randomized clinical trials, NYU

Editorial and Journal Positions

Ad Hoc Reviewer: Journal of the American Statistical Association; Annals of Applied Statistics; Journal of the Royal Statistical Society - Series A; Biometrical Journal; Computational Statistics and Data Analysis; NeurIPS; ICML; AISTAT; Nature Machine Intelligence; BMC Medical Research Methodology; Epidemiological methods; Statistics in Biopharmaceutical Research; Clinical Infectious Diseases

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BIBLIOGRAPHY

Peer-reviewed Publications - Statistical and Data Science Methodology

1. Behrouz, A., **Santacatterina**, M. & Zabih, R. (2024), 'Chimera: Effectively modeling multivariate time series with 2-dimensional state space models', *Advances in Neural Information Processing Systems* **37**, 119886–119918.

2. Kallus, N., Pennicooke, B. & **Santacatterina**, M. (2021), 'More robust estimation of average treatment effects using kernel optimal matching in an observational study of spine surgical interventions', *Statistics in medicine* **40**(10), 2305–2320.

3. Kallus, N. & **Santacatterina**, M. (2021), 'Optimal balancing of time-dependent confounders for marginal structural models', *Journal of Causal Inference* **9**(1), 345–369.

4. Kallus, N. & **Santacatterina**, M. (2022), 'Optimal weighting for estimating generalized average treatment effects', *Journal of Causal Inference* **10**(1), 123–140.

5. Matthay, E. C., Neill, D. B., Titus, A. R., Desai, S., Troxel, A. B., Cerdá, M., Díaz, I., **Santacatterina**, M. & Thorpe, L. E. (2025), 'Integrating artificial intelligence into causal research in epidemiology', *Current Epidemiology Reports* **12**(1), 6.

6. Shu, M., Bowen, R. S., Herrmann, C., Qi, G., **Santacatterina**, M. & Zabih, R. (2021), Deep survival analysis with longitudinal x-rays for covid-19, *in* 'Proceedings of the IEEE/CVF International Conference on Computer Vision', pp. 4046–4055.

7. Su, Y., Wang, L., **Santacatterina**, M. & Joachims, T. (2019), Cab: Continuous adaptive blending for policy evaluation and learning, *in* 'International Conference on Machine Learning', PMLR, pp. 6005–6014.

8. **Santacatterina**, M. (2023), 'Robust weights that optimally balance confounders for estimating marginal hazard ratios', *Statistical methods in medical research* **32**(3), 524–538.

9. **Santacatterina**, M. & Bottai, M. (2018), 'Optimal probability weights for inference with constrained precision', *Journal of the American Statistical Association* **113**(523), 983–991.
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10. **Santacatterina**, M., Burke, B., Gunaratne, M., Weintraub, W. S., Espeland, M. A., Correa, A., Friedman-Klabanoff, D., Gibbs, M., Herrington, D., Miller, K. E. et al. (2023), 'Using repeated antibody testing to minimize bias in estimates of prevalence and incidence of sars-cov-2 infection', *Epidemiologic Methods* **12**(1), 20230012.
    Santacatterina et al.

11. **Santacatterina**, M., García-Pareja, C., Bellocco, R., Sönnerborg, A., Ekström, A. M. & Bottai, M. (2019), 'Optimal probability weights for estimating causal effects of time-varying treatments with marginal structural cox models', *Statistics in medicine* **38**(10), 1891–1902.
    Santacatterina et al.

12. **Santacatterina**, M., Giron, F. M., Zhang, X. & Díaz, I. (2025), 'Identification and estimation of causal effects using non-concurrent controls in platform trials', *Statistics in Medicine* **44**(6), e70017.

Peer-reviewed Publications - Medical and Population Health research

1. Bhatt, N., Yang, J., DeBaere, L., Wang, R. S., Most, A., Zhang, Y., Dayanov, E., Yang, W., **Santacatterina**, M., Kamberi, M. et al. (2024), 'Reducing length of stay in reconstructive head and neck surgery patients: A quality improvement initiative', *Otolaryngology–Head and Neck Surgery* **171**(6), 1938–1948.

2. Calamari, L. E., Tjaden, A. H., Edelstein, S. L., Weintraub, W. S., Santos, R., Gibbs, M., Ward, J., **Santacatterina**, M., Bertoni, A. G., Ward, L. M. et al. (2022), 'Self-reported mask use among persons with or without sars cov-2 vaccination—united states, december 2020–august 2021', *Preventive medicine reports* **28**, 101857.

3. Chan, A. K., **Santacatterina**, M., Pennicooke, B., Shahrestani, S., Ballatori, A. M., Orrico, K. O., Burke, J. F., Manley, G. T., Tarapore, P. E., Huang, M. C. et al. (2020), 'Does state malpractice environment affect outcomes following spinal fusions? a robust statistical and machine learning analysis of 549,775 discharges following spinal fusion surgery in the united states', *Neurosurgical focus* **49**(5), E18.

4. Cuong, D. D., Agneskog, E., Chuc, N. T. K., **Santacatterina**, M., Sönnerborg, A. & Larsson, M. (2012), 'Monitoring the efficacy of antiretroviral therapy by a simple reverse transcriptase assay in hiv-infected adults in rural vietnam', *Future Virology* **7**(9), 923–931.

5. Cuong, D. D., Sönnerborg, A., Van Tam, V., El-Khatib, Z., **Santacatterina**, M., Marrone, G., Chuc, N. T. K., Diwan, V., Thorson, A., Le, N. K. et al. (2016), 'Impact of peer support on virologic failure in hiv-infected patients on antiretroviral therapy-a cluster randomized controlled trial in vietnam', *BMC infectious diseases* **16**, 1–14.

6. De Costa, A., Vora, K. S., Ryan, K., Sankara Raman, P., **Santacatterina**, M. & Mavalankar, D. (2014), 'The state-led large scale public private partnership 'chiranjeevi program'to increase access to institutional delivery among poor women in gujarat, india: How has it done? what can we learn?', *PLoS One* **9**(5), e95704.

7. *Duration of SARS-CoV-2 sero-positivity in a large longitudinal sero-surveillance cohort: the COVID-19 Community Research Partnership* (2021), *BMC Infectious Diseases* **21**, 1–11.

8. Friedman-Klabanoff, D. J., Tjaden, A. H., **Santacatterina**, M., Munawar, I., Sanders, J. W., Herrington, D. M., Wierzba, T. F., Berry, A. A. et al. (2022), 'Vaccine-induced seroconversion in participants in the north carolina covid-19 community research partnership', *Vaccine* **40**(42), 6133–6140.

9. Frontera, J. A., Tamborska, A. A., Doheim, M. F., Garcia-Azorin, D., Gezegen, H., Guekht, A., Yusof Khan, A. H. K., **Santacatterina**, M., Sejvar, J., Thakur, K. T. et al. (2022), 'Neurological events reported after covid-19 vaccines: an analysis of vaccine adverse event reporting system', *Annals of neurology* **91**(6), 756–771.

10. Garcia-Azorin, D., Baykan, B., Beghi, E., Doheim, M. F., Fernandez-de Las-Penas, C., Gezegen, H., Guekht, A., Hoo, F. K., **Santacatterina**, M., Sejvar, J. et al. (2022), 'Timing of headache after covid-19 vaccines and its association with cerebrovascular events: An analysis of 41,700 vaers reports', *Cephalalgia* **42**(11-12), 1207–1217.

11. Gartling, G., Sayce, L., Zimmerman, Z., Slater, A., Hary, L., Yang, W., **Santacatterina**, M., Rousseau, B. & Branski, R. C. (2025), 'Acute effects of steroids on vocal fold epithelium post-injury in a preclinical model', *The Laryngoscope* **135**(1), 206–212.

12. Häggblom, A., **Santacatterina**, M., Neogi, U., Gisslen, M., Hejdeman, B., Flamholc, L. & Sönnerborg, A. (2017), 'Effect of therapy switch on time to second-line antiretroviral treatment failure in hiv-infected patients', *Plos one* **12**(7), e0180140.

13. Karlsson, N., **Santacatterina**, M., Käll, K., Hägerstrand, M., Wallin, S., Berglund, T. & Ekström, A. M. (2017), 'Risk behaviour determinants among people who inject drugs in stockholm, sweden over a 10-year period, from 2002 to 2012', *Harm Reduction Journal* **14**, 1–11.

14. Lee, J., Ruiz-Cardozo, M. A., Patel, R. P., Javeed, S., Lavadi, R. S., Newsom-Stewart, C., Alyakin, A., Molina, C. A., Agarwal, N., Ray, W. Z. et al. (2024), 'Clinical prediction for surgical versus nonsurgical interventions in patients with vertebral osteomyelitis and discitis', *Journal of Spine Surgery* **10**(2), 204.

15. Longinetti, E., **Santacatterina**, M. & El-Khatib, Z. (2014), 'Gender perspective of risk factors associated with disclosure of hiv status, a cross-sectional study in soweto, south africa', *PloS one* **9**(4), e95440.

16. Madhvani, N., Longinetti, E., **Santacatterina**, M., Forsberg, B. C. & El-Khatib, Z. (2015), 'Correlates of mobile phone use in hiv care: Results from a cross-sectional study in south africa', *Preventive medicine reports* **2**, 512–516.

17. Morrissette, M., Ben-Dov, T., **Santacatterina**, M., Catháin, É. Ó. & April, M. M. (2024), 'Comparison of four ventilation tubes commonly used in the pediatric population: A retrospective cohort study', *Laryngoscope Investigative Otolaryngology* **9**(4), e1306.

18. Nemani, K., De Picker, L., Dickerson, F., Leboyer, M., **Santacatterina**, M., Ando, F., Capichioni, G., Smith, T. E., Kammer, J., El Abdellati, K. et al. (2024), 'Anti-spike antibody responses to sars-cov-2 mrna vaccines in people with schizophrenia and schizoaffective disorder', *Brain, behavior, & immunity-health* **38**, 100802.

19. Neogi, U., Häggblom, A., **Santacatterina**, M., Bratt, G., Gisslen, M., Albert, J. & Sonnerborg, A. (2014), 'Temporal trends in the swedish hiv-1 epidemic: increase in non-b subtypes and recombinant forms over three decades', *PloS one* **9**(6), e99390.

20. Ojo, T., Ruan, C., Hameed, T., Malburg, C., Thunga, S., Smith, J., Vieira, D., Snyder, A., Tampubolon, S. J., Gyamfi, J. et al. (2022), 'Hiv, tuberculosis, and food insecurity in africa—a syndemics-based scoping review', *International journal of environmental research and public health* **19**(3), 1101.

21. Peacock Jr, J. E., Herrington, D. M., Edelstein, S. L., Seals, A. L., Plumb, I. D., Saydah, S., Lagarde, W. H., Runyon, M. S., Maguire, P. D., Correa, A. et al. (2022), 'Survey of adherence with covid-19 prevention behaviors during the 2020 thanksgiving and winter holidays among members of the covid-19 community research partnership', *Journal of Community Health* **47**(1), 71–78.

22. Pennicooke, B., **Santacatterina**, M., Lee, J., Elowitz, E. & Kallus, N. (2021), 'The effect of patient age on discharge destination and complications after lumbar spinal fusion', *Journal of Clinical Neuroscience* **91**, 319–326.

23. Qi, W., **Santacatterina**, M., Brinker, S., Gilad, A., Capichioni, G., Ando, F., Castellanos, F., Shoham, S. & Goff, D. C. (2025), '557. transcranial ultrasound stimulation of the right globus pallidus in schizophrenia: A randomized sham-controlled pilot study', *Biological Psychiatry* **97**(9), S328.

24. Renn, T., Griffin, B., Kumaravelu, V., Ventuneac, A., **Santacatterina**, M. & Bunting, A. M. (2024), 'Study protocol for a randomized controlled trial to adapt a posttraumatic stress disorder intervention of patients with opioid-stimulant polysubstance use receiving methadone maintenance treatment', *BMC psychiatry* **24**(1), 1–10.

25. Schlacter, J. A., Kay-Rivest, E., Nicholson, J., **Santacatterina**, M., Zhang, Y., Jethanamest, D., Friedmann, D. R., McMenomey, S. O. & Roland Jr, J. T. (2022), 'Cochlear implantation outcomes in patients with retrocochlear pathology: a systematic review and pooled analysis', *Otology & Neurotology* **43**(9), 980–986.

26. Sharma, M., Sanneving, L., Mahadik, K., **Santacatterina**, M., Dhaneria, S. & Stålsby Lundborg, C. (2013), 'Antibiotic prescribing in women during and after delivery in a non-teaching, tertiary care hospital in ujjain, india: a prospective cross-sectional study', *Journal of pharmaceutical policy and practice* **6**, 1–7.

27. Spitzer, E. R., Kay-Rivest, E., Waltzman, S. B., O'Brien-Russo, C. A., **Santacatterina**, M., Roland Jr, J. T., Landsberger, D. M. & Friedmann, D. R. (2023), 'Acceptance and benefit of electroacoustic stimulation in children', *Otology & Neurotology* **44**(5), 453–461.

28. **Santacatterina**, M. & Bottai, M. (2016), 'Inferences and conjectures in clinical trials: a systematic review of generalizability of study findings', *Journal of Internal Medicine* **279**(1), 123–126.
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29. **Santacatterina**, M., Sanders, W., J. & Weintraub, S., W. (2021), 'Prevention of covid-19 with the bnt162b2 and mrna-1273 vaccines', *New England Journal of Medicine* **385**(19), 1817–1821.

30. *The COVID-19 Community Research Partnership: a multistate surveillance platform for characterizing the epidemiology of the SARS-CoV-2 pandemic* (2022), *Biology Methods and Protocols* **7**(1), bpac033.

31. Wang, R. S., Asfour, L., Yang, W., Zhang, Y., **Santacatterina**, M. & Jethanamest, D. (2024), 'Patient characteristics impacting adherence to serial observation for vestibular schwannomas', *Otolaryngology–Head and Neck Surgery* **171**(2), 511–516.

32. Wang, R. S., Chow, M. S., Gordon, A. J., **Santacatterina**, M., Vaezi, A. E., Tam, M. M. & Givi, B. (2024), 'Adjuvant radiotherapy in moderately advanced (t3) oral cavity cancers', *The Laryngoscope* **134**(5), 2236–2242.

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