

Sebastian Linde

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Academic Employment

- 2023- Associate Professor, Department of Health Policy and Management, School of Public Health, Texas A&M University
- 2020-23 Assistant Professor, Department of Medicine, Division of General Internal Medicine, Medical College of Wisconsin
- 2017–20 Assistant Professor, Department of Economics, Grand Valley State University

Affiliations / Unpaid Appointments

- July 2020 Center for Advancing Population Science, Medical College of Wisconsin
- Sept 2022 Research Faculty (WOC), Department of Veterans Affairs

Education

- 2012–17 **Purdue University, USA**
PhD Economics
- 2011–12 **Loyola University at Chicago, USA**
MSc Mathematics
- 2010–11 **University of Cambridge, UK**
MPhil Economic Research
- 2007–09 **Cardiff University, UK**
BSc Economics and Finance, First Class Honors

Research Interests

Health Economics, Network Science, Causal Machine Learning, Empirical Industrial Organization and Applied Microeconometrics.

Publications

1. Linde, S.*, 2023, *Hospital Cost Efficiency: An Examination of US Acute Care Inpatient Hospitals*. International Journal of Health Economics and Management.
2. Linde, S., Walker, R., Campbell, J., Egede L. E., 2023, *Historic Residential Redlining and Present-Day Social Determinants of Health, Home Evictions and Food Insecurity within US Neighborhoods*. Journal of General Internal Medicine.
3. Egede, L. E., Campbell J., Walker R., Linde S., 2023, *Structural Racism as a Social Determinant of Diabetes Outcomes: Evidence and Interventions for Change*. Diabetes Care.
4. Linde, S.*, Egede L. E., 2023, *Association between State Level Medicaid Expansion and Eviction Rates*. JAMA Network Open.
5. Egede, L. E., Walker R., Campbell J., Linde S., Hawks L., Burgess K., 2023, *Modern Day Consequences of Historic Redlining: Finding a Path Forward*. Journal of General Internal Medicine.
6. Linde, S., Siebert R., 2023, *Do Mergers Among Multimarket Firms Create Value?* International Journal of Industrial Organization.
7. Linde, S.*, Egede L. E., 2022, *Hospital Price Transparency in the US: An Examination of Charge-master, Cash, and Negotiated, Price Variation for 14 Common Procedures*. Medical Care.
8. Linde, S.*, Egede L. E., 2022, *Do Chargemaster Prices Matter? An Examination of Acute Care Hospital Profitability*. Medical Care.
9. Linde, S.*, Egede L. E., 2022, *Trends in Charges and Association with Defaults on Medical Payments in Uninsured Americans: A Disproportionate Burden in Ethnic Minorities - A Retrospective Observational Study*. BMJ Open.
10. Egede L. E., Walker R. J., Linde S., Campbell, J. A., Dawson, A. Z., Williams J. S., Ozieh M. N., 2022, *Non-medical Interventions to Address Type 2 Diabetes: Evidence, Actionable Strategies, and Policy Opportunities*. Health Affairs.
11. Linde, S., Walker, R., Campbell, J., Egede L. E., 2022, *Historic Residential Redlining and Present-Day Mortality and Years of Life Lost*. Diabetes Care.
12. Linde, S.*, Egede L. E., 2022, *Association of County Race and Ethnicity Characteristics with Number of Insurance Carriers and Insurance Network Breadth*. JAMA Network Open.
13. Linde, S.*, Shima H., 2022, *Healthcare Provider Collaboration Networks and Hospital Costs and Quality*, Medicine.
14. Linde, S.*, Egede L. E., 2022, *A Retrospective Observational Study of the Robustness of Provider Network Structures to the Systemic Shock of COVID-19: A County Level Analysis of COVID-19 Outcomes*. BMJ Open.
15. Linde, S., Egede L. E., 2022, *Regional Variation in Provider Network Structures and Non-Hispanic Black-to-White Disparity Gaps*, Journal of General Internal Medicine.
16. Beilfuss, S., Linde, S.*, Norton, B., 2022, *Accountable Care Organizations and Physician Antibiotic Prescribing Behavior*. Social Science & Medicine.

17. Beilfuss, S., Linde, S., 2021, *Pharmaceutical Opioid Marketing and Physician Prescribing Behavior*. Health Economics.
18. Linde, S.*, Beilfuss, S., 2021, *Association of Multiple Hospital Affiliations With Clinician Service Use, Breadth of Procedures, and Costs*. JAMA Network Open.
19. Linde, S.*, 2019, *The Formation of Physician Patient Sharing Networks in Medicare: Exploring the Effect of Hospital Affiliation*. Health Economics. 28: 1435–1448.
20. Morgan, A., O’Gara, M., Crilly Bellucci, C., Linde, S., Albert, M., Curtis, A., Patel, P., Kapp-Simon, K. A., 2018, *Speech Production Skills in Children with Cleft Palate who were Internationally Adopted*. The Cleft Palate-Craniofacial Journal, 55(9), 1225-1235.
21. Morgan, A., Crilly Bellucci, C., Coppersmith, J., Linde, S., Curtis, A., Albert, M., O’Gara, M. M., Kapp-Simon, K., 2017, *Language Development in Children With Cleft Palate With or Without Cleft Lip Adopted From Non-English-Speaking Countries*. American Journal of Speech-Language Pathology, 26(2), 342-354.

* = Corresponding Author;

Reports

1. Linde, S., Simons, G., 2020, *Health Check 2020: Analyzing Trends in West Michigan (vol. 11)*. Grand Rapids, MI: Grand Valley State University. [Website Link]
2. Callison, K., Linde, S., Muller, L., Simons, G., 2019, *Health Check 2019: Analyzing Trends in West Michigan (vol. 10)*. Grand Rapids, MI: Grand Valley State University.

Working Papers

1. *Social Capital and Population Health* (with Dr. Egede)
2. *Major Complexity Index and College Skill Production*. (with Drs. Li and Shima) [Code available at: <http://sebastianlinde.github.io/ECI/>]
3. *Catastrophic Health Expenditures: A Disproportionate Risk in Uninsured Ethnic Minorities with Diabetes* (with Dr. Egede)
4. *The Effect of Bargaining Power Determinants on Pharmaceutical Prices* (With Drs. Norton and Siebert)
5. *Exploring the Heterogenous Effects of State Price Transparency Laws on Hospital Price Distributions and Costs* (With Dr. Siebert)

Work in Progress

1. *Minimum Wage Laws and Food Insecurity*. (with Dr. Egede, Dr. Walker)
2. *An Examination of Provider Patient Sharing Practice Patterns Across Hospitals and Hospital Systems: An Endogenous Network Formation Approach*.

3. *The Impact of Critical Access Hospital Conversion on Rural Hospital Patient Mix, Charge Markups and Profitability* (with Dr. Egede).
4. *The Longitudinal Effect of Critical Access Hospital Conversion upon Rural Hospital Quality: An Examination of Mortality, Readmission and Process of Care.*
5. *Medical Resource Complexity Index: A New Measure for Assessing Regional Variation in Medical Resources Capabilities.*

Awarded Grants – National Institute of Health

1. NIH/NIMHD R01 MD018012-01 [\$2,432,100]

Role: Egede/Linde (MPI)

Dates: 07/10/2023 - 01/31/2027

Title: Impact of Structural Racism on Hospital/Clinic Closures, Community Assets, and Health Outcomes in Urban Communities.

2. NIH/NIMHD R01 MD017574-01A1 [\$2,557,153]

Role: Egede/Linde (MPI)

Dates: 05/15/2023 - 12/31/2026

Title: Structural Racism and Disparities in Social Risk, Human Capital, Health Care Resources, and Health Outcomes: A Multi-level Analysis of Pathways and Policy Levers for Change.

Conference Presentations and Invited Talks

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| 2023 | American Diabetes Association (ADA) Annual Meeting, June 2023, (Role: Presenter) |
| 2023 | Society of General Internal Medicine (SGIM) Annual Meeting, May 2023, (Role: Presenter) |
| 2023 | Center for Advancing Population Science (CAPS) Seminar Series Presentation, Apr 2023 |
| 2022 | NIDDK Centers for Diabetes Translation Research Directors Annual Meeting, Sep 2022, (Role: Invited Presenter) |
| 2022 | American Diabetes Association (ADA) Annual Meeting, June 2022, (Role: Presenter) |
| 2022 | Society of General Internal Medicine (SGIM) Annual Meeting, April 2022, (Role: Presenter; Hamolsky Award Recipient) |
| 2021 | Association For Public Policy Analysis & Management (APPAM) Research Conference, Nov 2021, [Accepted as presenter, but conference canceled due to COVID19] |
| 2021 | Southern Economic Association 91st Annual Meeting, Nov 2021, (Role: Presenter) |
| 2021 | National Bureau of Economic Research (NBER) Spring 2021 Meeting (invited paper) |

- 2021 Invited Seminar Presentation at Western Michigan University, Feb 2021
- 2020 Association For Public Policy Analysis & Management (APPAM) Research Conference, Nov 2020, (Role: Presenter)
- 2020 Southern Economic Association 90th Annual Meeting, Nov 2020, (Roles: Presenter, Session Chair)
- 2020 Center for Advancing Population Science (CAPS) Seminar Series Presentation, Nov 2020
- 2020 International Industrial Organization Conference, May 2020, [Accepted as presenter, but conference canceled due to COVID19]
- 2020 Midwest Economics Association, Mar 2020, [Accepted as presenter, but conference canceled due to COVID19]
- 2020 Eastern Economics Association, Feb 2020, (Role: Presenter)
- 2020 West Michigan Healthcare Economics Forecast, Jan 2020, (Role: Presenter)
- 2019 Leadership Grand Rapids Health Check, Mar 2019, (Role: Presenter)
- 2019 Muskegon Westshore Healthcare Economics Forecast, Mar 2019, (Role: Presenter)
- 2019 Holland Westshore Healthcare Economics Forecast, Mar 2019, (Role: Presenter)
- 2019 West Michigan Healthcare Economics Forecast, Jan 2019, (Role: Presenter)
- 2018 Association For Public Policy Analysis & Management (APPAM) Research Conference, Nov 2018, (Role: Presenter)
- 2018 Missouri Valley Economic Association (MVEA) Conference, Nov 2018, (Roles: Presenter, Discussant, Session Chair)
- 2018 Health Forum of West Michigan, May 2018, (Role: Moderator)

Awards and Recognitions

- 2023 Outstanding Reviewer Recognition (From Annals of Internal Medicine)
- 2023 American Diabetes Association Scientific Sessions Young Investigator Award Recipient
- 2022 Milton W. Hamolsky Jr. Faculty Scientific Presentation Awardee (From the Society for General Internal Medicine)
- 2020-21 Medical College of Wisconsin Outstanding Graduate School Educator
- 2015–16 Purdue University Research Foundation Research Grant
- 2015 Distinguished Instructor Award
- 2014 Distinguished Instructor Award

- 2012 Distinguished Recitation Instructor Award
- 2011–13 Humane Studies Fellowship
- 2010–11 University of Cambridge: King’s College Studentship Recipient

Teaching Experience

Medical College of Wisconsin:

- 2023 Head Instructor of: GIM Learning Academy - Intro to Health Economics (Faculty)
- 2022 Head Instructor of: GIM Learning Academy - Intro to Health Economics (Faculty)
- 2021 Head Instructor of: CTSI 20262 Health Economics (Graduate)
- 2021 Head Instructor of: GIM Learning Academy - Intro to Health Economics (Faculty)
- 2020 Head Instructor of: CTSI 20262 Health Economics (Graduate)

Grand Valley State University:

- 2020 Head Instructor of: ECO643 Health Economics (Graduate)
- 2020 Head Instructor of: ECON 312 Applied Microeconomics
- 2019 Head Instructor of: ECO641 Business Economics and Strategy (Graduate)
- 2019 Head Instructor of: ECON 312 Applied Microeconomics
- Received Highest Class Rating Score Across All Upper Level Classes in Economics (in 2019)
- 2018 Head Instructor of: ECO643/PA633 Health Economics (Graduate)
- 2018 Head Instructor of: ECO434 Health Economics
- 2018 Head Instructor of: ECON 312 Applied Microeconomics
- Received Highest Class Rating Score Across All Classes in Economics (in 2018)
- 2017 Head Instructor of: ECON 312 Applied Microeconomics

Purdue University:

- 2015 Head Instructor of ECON 451 Game Theory
- 2014 Head Instructor of ECON 451 Game Theory
- 2012 Recitation Instructor for ECON 210 Principles of Economics

2013–16 **Teaching Assistant for PhD Courses**
ECON 631 Empirical Industrial Organization
ECON 615 Mathematical Economics
ECON 606 Microeconomic Theory 1
ECON 607 Microeconomic Theory 2
ECON 650 Labor Economics

2013–16 **Teaching Assistant for Undergraduate Course**
ECON 499 Senior Honors Thesis
ECON 451 Game Theory

Other Work Experience

2015–17 Statistical Consulting for Dr. Kathy Kapp-Simon (Shriners Hospital for Children at Chicago)

2014–15 Statistical Consulting for Dr. Chuck Johnson (President at Vincennes University)

2014–15 Research Assistant for Prof. Kevin Mumford (Eli Lilly Education Project at Purdue University)

2009–10 President at AIESEC UK Ltd. (Elected One Year Position)

Other Conferences Attended

2018 American Society of Health Economists Annual Meeting, Atlanta, USA.

2017 American Economic Association: ASSA Annual Meeting, Chicago, USA.

2015 American Economic Association: ASSA Annual Meeting, Boston, USA.

2015 AEA Cont. Education Conference on Health Economics, Boston, USA.

2014 Searle Center Conference on Antitrust Economics and Competitive Policy, Chicago, USA.

Other Affiliations

American Economic Association

American Society of Health Economists

Association For Public Policy Analysis and Management

American Diabetes Association

Society of General Internal Medicine

Service–Profession

Journal Reviewer For:

1. Journal of the American Medical Association (JAMA)
2. Annals of Internal Medicine
3. Health Affairs
4. Journal of General Internal Medicine
5. Medical Care Research and Review
6. Nature Scientific Reports
7. PLOS One
8. Health Policy and Technology
9. Journal of Hospital Management and Health Policy
10. International Journal of Health Policy and Management

Grant Reviewer For:

1. Advancing a Healthier Wisconsin Endowment
2. The Clinical & Translational Science Institute of Southeast Wisconsin

Conference Abstract Reviewer For:

1. Society for General Internal Medicine 2022 Annual Meeting

Other Service/Unit-Memberships

Medical College of Wisconsin:

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| 2022-23 | Curriculum and Programs Committee |
| 2022-23 | GIM/CAPS/VA Search Committee |
| 2022-23 | GIM Research Section Member. |
| 2021-23 | Medical Student Summer Research Program (MSSRP) – Final Project Reviewer |
| 2021 | Biostatistics Search Committee Member |
| 2020-23 | CAPS Center Unit Membership: |
| - | Health Systems Research Unit |
| - | Biostatistics/Health Economics Unit |

Grand Valley State University:

- 2018-20 Health Check Report – Lead Investigator
- 2018-20 Strategic Planning Committee Member
- 2018-20 Economic Search Committee Member
- 2017-20 Economics Scholarship Selection Committee Member