

# Léna Silberzan

✉ [lenna.silberzan@ined.fr](mailto:lenna.silberzan@ined.fr) | ✉ [lenna.silberzan.research@gmail.com](mailto:lenna.silberzan.research@gmail.com)

## CURRENT POSITION

---

**Postdoctoral researcher in Demography** at **INED** (French Institute for Demographic Studies) since Feb. 2026.

Working with Dr. Emilie Council on French administrative data linkage to study social inequalities in work and health (WORTH-IT project)

## EDUCATION

---

2022 – 2025 **PhD in Social Epidemiology** at **Toulouse University** (France)

Title: Social Inequalities in Hypertension Prevalence and Management: an Intersectional Approach

Co-supervision Dr. Michelle Kelly-Irving (Université de Toulouse) and Dr. Nathalie Bajos (EHESS), Gender and Health Inequalities (GENDHI) project (ERC Synergy program 2020-2027)

2025: Two-month international mobility at the Brussels Institute for Social and Population Studies (BRISPO)

2015 – 2019 Dual Master at **HEC–Sciences Po Paris** (France) in **Public and Corporate Management** (School of Public Affairs)

2016: Erasmus semester at **Freie Universität Berlin** (Germany) at the Otto Suhr Institut, specialized in Political Sciences

## ADDITIONAL EDUCATION

---

2019 - 2020 Bachelor's Degree at **Université Paris Cité** (France) in Quantitative Methods applied to Social Sciences and Humanities

## DOCTORAL COURSEWORK

---

**Paris School of Economics (PSE)** Sep. 2023 - Dec. 2023  
Sequence analyses

**Leibniz Institute for the Social Sciences (GESIS)** Dec. 2022  
Causal Mediation Analysis Workshop

**French National Institute of Health and Medical Research (INSERM)** Oct. 2022  
Multivariate analyses and classification (PCA, CA, MCA, MFA, HMFA, FAMD)

**Public Health Summer School of Bicêtre Hospital** June 2021  
Regression models in Epidemiology

**Ecole des Hautes Etudes en Sciences Sociales (EHESS)** Sep. 2020 - May 2021  
Health Sociology, Social Inequalities in France, Multiple Correspondence Analyses

## RESEARCH EXPERIENCE

---

**Research Engineer at INSERM for the EpiCoV study** Sep. 2020 - Nov. 2022

- Took part in designing the questionnaires of the Epidemiology and Living Conditions Study (EpiCoV) in a multidisciplinary team
- Data curation (130,000 respondents)
- Co-authored scientific articles on social isolation of older adults during lockdown, vaccine hesitancy and practices, and access to care during lockdown
- Conducted statistical analyses (linear and logistic regressions, multiple correspondence analyses)
- Presented main results to researchers of the team as well as to partner institutions

**Research Assistant at FAO of the UN (Italy)** Feb. 2019 - July 2020

- Worked in the Forestry Department of the Food and Agriculture Organization of the United Nations
- Conducted a study on value chain opportunities in Niger (literature review, data collection, data analysis)
- Conducted statistical analyses
- Presented main results to researchers of the team as well as to partner institutions

## SKILLS

---

**Languages** French (native), English (fluent), Italian (advanced), German (basics)

**Software** R, R studio, L<sup>A</sup>T<sub>E</sub>X, Excel

**Quantitative research** Continuous and categorical dependent variable models (logistic, probit, multinomial regression); count Models (Poisson, negative binomial regression); survival Analysis (life tables, discrete-time & continuous-time models: logistic, Cox, AFT); multivariate analyses and classification (PCA, CA, MCA, MFA, HMFA, FAMD), multilevel models (MAIHDA), group-based trajectory modeling

## TEACHING EXPERIENCE

---

**Université Paris Cité** 2023

Quantitative Methods for Economics (undergraduate, 32h), Faculty of Law, Economics and Management

**Institut Catholique de Paris** 2023

Quantitative Methods for Social Sciences (undergraduate, 38h), Faculty of Social Sciences, Economics and Law

**Université Sorbonne Lettres** 2024

Statistics (undergraduate, 26h), Faculty of Social Sciences, Sociology

**Université Sorbonne Lettres** 2024-2025

Introduction to statistics (undergraduate, 65h), Faculty of Social Sciences, Sociology

**Sciences Po Paris** 2025

Quantitative tools : level 1 (Master's, 24h) & Data science with R (Master's, 24h), School of Foreign Affairs

## FRENCH AND INTERNATIONAL CONFERENCES

---

- Intersectional inequalities in systolic blood pressure by gender, age, ethno-racial origin, and education in France**  
( "Gender and Intersectionality" symposium, SLLS Congress in Fribourg) 2024
- Hypertension prevalence, awareness, treatment, and control by ethnoracial origin and sex**  
(French Hypertension Days in Paris) 2024
- Exploring disparities : unraveling Gender and Ethnoracial Differences in the Hypertension Care Cascade**  
(2024 Health, Biology, Biotechnologies Doctoral School Days in Toulouse) 2024
- Unveiling the gaps: hypertension control beyond the cascade of care framework**  
(33rd European Meeting on Hypertension and Cardiovascular Protection in Berlin) 2024
- Hypertension and access to care**  
(Quantifying Health Inequalities International Conference in Paris) 2024

## WORKSHOP PARTICIPATION

---

- MAIHDA: a new method to uncover intersectional inequalities in health**  
(CONSTANCES cohort young researchers workshop) 2025
- "Doing" ethnoracial statistics on a French public health cohort**  
(Doctoral Days, GENDHI project) 2025
- Intersectionality and hypertension: first results in the CONSTANCE cohort**  
(Equity Team) 2024
- Social inequalities in hypertension: an intersectional perspective**  
(GENDHI team) 2023
- Ethnoracial inequalities in hypertension: first results in the CONSTANCES cohort**  
(Equity Team) 2023
- Methods to integrate intersectionality in quantitative health studies: a report review**  
(GENDHI team) 2022

## PEER REVIEWING

---

BMC Public Health, Discover Public Health

## OTHER ACTIVITIES

---

Co-organized the GENDHI doctoral days (2025), as well as the Interdisciplinary Research Institute on Social Challenges (IRIS) doctoral days (2024)

## GRANTS

---

1,150 € Mobility grant from Université de Toulouse for a 2-month visiting period in Vrije Universiteit Brussel (BRISPO team)

## PUBLICATIONS

---

- Bajos, Nathalie, Alexis Spire, **Léna Silberzan**, and Epicov Study Group (2022). “The social specificities of hostility toward vaccination against Covid-19 in France”. en. In: *PLOS ONE* 17.1, e0262192. ISSN: 1932-6203. DOI: [10.1371/journal.pone.0262192](https://doi.org/10.1371/journal.pone.0262192). URL: <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0262192> (visited on 04/25/2022).
- Bajos, Nathalie, Alexis Spire, **Léna Silberzan**, Antoine Sireyjol, et al. (2022). “When Lack of Trust in the Government and in Scientists Reinforces Social Inequalities in Vaccination Against COVID-19”. In: *Frontiers in Public Health* 10. ISSN: 2296-2565. DOI: <https://doi.org/10.3389/fpubh.2022.908152>. URL: <https://www.frontiersin.org/articles/10.3389/fpubh.2022.908152> (visited on 11/21/2022).
- Pousson, Jeanna-Eve, **Léna Silberzan**, Florence Jusot, et al. (2022). “Use of health care services among people with Covid-19 symptoms in the first pandemic peak in France”. en. In: *PLOS ONE* 17.12, e0279538. ISSN: 1932-6203. DOI: [10.1371/journal.pone.0279538](https://doi.org/10.1371/journal.pone.0279538). URL: <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0279538> (visited on 04/24/2023).
- Silberzan, Léna**, Claude Martin, Nathalie Bajos, et al. (2022). “Social Isolation Among Older Adults in the Time of COVID-19: A Gender Perspective”. In: *Frontiers in Public Health* 10. ISSN: 2296-2565. DOI: <https://doi.org/10.3389/fpubh.2022.840940>. URL: <https://www.frontiersin.org/articles/10.3389/fpubh.2022.840940> (visited on 11/21/2022).
- Silberzan, Léna**, Michelle Kelly-Irving, and Nathalie Bajos (2023a). “Analyse de l’hypertension en France : pour une analyse intersectionnelle de la cascade de soins”. fr. In: *Revue d’Épidémiologie et de Santé Publique* 71.6, p. 102159. ISSN: 03987620. DOI: [10.1016/j.respe.2023.102159](https://doi.org/10.1016/j.respe.2023.102159). URL: <https://linkinghub.elsevier.com/retrieve/pii/S0398762023007605> (visited on 09/19/2023).
- (2023b). “Analysing hypertension in France : A call for an intersectional approach of the cascade of care”. In: *Revue d’Epidemiologie et de Sante Publique* 71.6, p. 102159. ISSN: 03987620. DOI: <https://doi.org/10.1016/j.respe.2023.102159>.
- Pousson, Jeanna-eve, Florence Jusot, **Léna Silberzan**, et al. (2024). “Social inequalities in medical appointment cancellations and reschedulings at the onset of the COVID-19 epidemic in France”. In: *European Journal of Public Health*, ckae101. ISSN: 1101-1262. DOI: [10.1093/eurpub/ckae101](https://doi.org/10.1093/eurpub/ckae101). URL: <https://doi.org/10.1093/eurpub/ckae101> (visited on 07/01/2024).
- Silberzan, Léna**, Nathalie Bajos, and Michelle Kelly-Irving (2024). “Unveiling the gaps: Hypertension control beyond the cascade of care framework”. en. In: *The Journal of Clinical Hypertension* 26.7, pp. 861–866. ISSN: 1751-7176. DOI: [10.1111/jch.14849](https://doi.org/10.1111/jch.14849). URL: <https://onlinelibrary.wiley.com/doi/abs/10.1111/jch.14849> (visited on 07/10/2024).
- Silberzan, Léna**, Emmanuel Wiernik, Nathalie Bajos, et al. (2025). “Prevalence, awareness, treatment and control of hypertension among ethnoracial minorities in France: results from the CONSTANCES cohort”. en. In: *BMJ Open* 15.9, e097800. ISSN: 2044-6055, 2044-6055. DOI: [10.1136/bmjopen-2024-097800](https://doi.org/10.1136/bmjopen-2024-097800). URL: <https://bmjopen.bmj.com/content/15/9/e097800> (visited on 09/23/2025).
- Silberzan, Léna**, Fé-e Santos, Ainhoa Ugarteche-Perez, et al. (Apr. 2026). “An intersectional approach to understanding systolic blood pressure distribution in a large French study: a MAIHDA analysis”. In: *Social Science & Medicine* 394, p. 119054. ISSN: 0277-9536. DOI: [10.1016/j.socscimed.2026.119054](https://doi.org/10.1016/j.socscimed.2026.119054). URL: <https://www.sciencedirect.com/science/article/pii/S0277953626001292> (visited on 02/23/2026).

## **Under review/In preparation**

Gosselin, Anne and **Léna Silberzan** (2025). “Les inégalités d’exposition aux comorbidités du Covid-19 selon l’origine: l’exemple du diabète et de l’obésité”. In: *In press (Population)*.

Rahal, Mira, **Léna Silberzan**, Eugenia Alcalde, et al. (2025). “Routes to self-perceived health: How do occupation and gender matter ?” In: *In preparation*.