

# Dr. Martin Siegel

## Contact

office address: room H 8175  
Technische Universität Berlin  
H80, Straße des 17. Juni 135  
10623 Berlin

email: [Martin Siegel](mailto:Martin.Siegel@tu-berlin.de)

phone: +49 (0) 30 314 28702

## Academic Education

12/2012 Dr. rer. pol. (equivalent to Ph.D. in Economics) from the University of Cologne

12/2005 Diplom-Volkswirt (equivalent to M.Sc. in Economics) from the University of Kiel

## Work experience

since 10/2012 post-doc research fellow at the Berlin Centre of Health Economics Research ([BerlinHECOR](#)), [Department of Health Care Management](#), Technische Universität Berlin

09/2007 – 09/2012 research fellow at the Institute of Health Economics and Clinical Epidemiology, University Hospital of Cologne

## Current major activities

- Researcher in the BMBF-funded junior research group “Challenging inequities in health and health care”, Berlin Centre of Health Economics Research (BerlinHECOR)
- Contributor to the WHO research project “Monitoring progress towards universal health coverage: generating new evidence on financial protection in health systems in Europe” as a country expert for Germany

## Research interests

- Health Econometrics
- Determinants of health and health inequalities
- Universal health coverage and financial protection
- Econometric methods in health services research

## Publications in peer-reviewed journals

- **M. Siegel**, D. Koller, V. Vogt, L. Sundmacher (2016). Developing a composite index of spatial accessibility across different health care sectors: a German example. *Health Policy* (in press). [[Artikel online verfügbar](#)]
- **M. Siegel**, P. Allanson (2015). Longitudinal analysis of income-related health inequalities: methods, challenges and applications. *Expert Review of Pharmacoeconomics & Outcomes Research* (in press). [[Artikel online verfügbar](#)]
- **M. Siegel**, A. Mielck, W. Maier (2014). Individual income, area deprivation, and health: Do income-related health inequalities vary by small area deprivation? *Health Economics* **24**(11):1523-1530. [[Artikel online verfügbar](#)]
- F. Henschel, M. Redaelli, **M. Siegel**, S. Stock (2015). Correlation of Incident Potentially Inappropriate Medication Prescriptions and Hospitalization: An Analysis Based on the PRISCUS List. *Drugs – Real World Outcomes* **2**(3):249-259. [[Artikel online verfügbar](#)]
- N. Grundmann, A. Mielck, **M. Siegel**, W. Maier (2014). Area deprivation and the prevalence of type 2 diabetes and obesity: Analysis at the municipality level in Germany. *BMC Public Health* **14**:1264. [[Artikel online verfügbar](#)]
- S. Stock, M. Redaelli, D. Simic, **M. Siegel**, F. Henschel (2014). Risk factors for the prescription of potentially inappropriate medication (PIM) in the elderly. *Wiener klinische Wochenschrift* **126**:604-612. [[Artikel online verfügbar](#)]
- **M. Siegel**, K. Mosler (2014). Semiparametric modeling of age-specific variations in income related health inequalities. *Health Economics* **23**(7):870-878. [[Artikel online verfügbar](#)]
- V. Vogt, **M. Siegel**, L. Sundmacher (2014). Examining regional variations in the use of cancer screening in Germany. *Social Science & Medicine* **110**:74–80. [[Artikel online verfügbar](#)]
- **M. Siegel**, V. Vogt, L. Sundmacher (2014). From a conservative to a liberal welfare state: Decomposing changes in income-related health inequalities in Germany, 1994–2011. *Social Science & Medicine* **108**:10–19. [[Artikel online verfügbar](#)]
- **M. Siegel** (2014). Measuring age-specific variations in income-related inequalities in smoking behavior in Germany. *Health Psychology and Behavioral Medicine* **2**(1):412–423. [[Artikel online verfügbar](#)] [[Artikel online verfügbar](#)]
- **M. Siegel**, M. Lungen, S. Stock (2013). On age-specific variations in income-related inequalities in diabetes, hypertension and obesity. *International Journal of Public Health* **58**(1):33–41. [[Artikel online verfügbar](#)]
- M. Lungen, **M. Siegel**, K. W. Lauterbach (2011). Could inequality in health be cured by universal coverage for all citizens? *International Journal of Clinical Practice* **65** (3):249-252 [[Artikel online verfügbar](#)]

- M. Lungen, A. Drabik, G. Büscher, A. M. Passon, **M. Siegel**, S. Stock (2010). Analyse von Selektionsanreizen für Krankenkassen nach Einführung des morbiditätsorientierten Risikostrukturausgleichs: Eine empirische Analyse. *Das Gesundheitswesen* **72** (11):790-796 [[Artikel online verfügbar](#)]
- **M. Siegel** (2009). Inequalities in income and health related to child poverty. *JAMA* **301** (22):2328-2329 [[Artikel online verfügbar](#)]
- H. Herwartz, **M. Siegel** (2009) Development and determinants of systemic risk in European banking – an empirical note. *Applied Economics Letters* **16** (4):431-438. [[Artikel online verfügbar](#)]

#### Other publications

- R. Busse, **M. Siegel**, L. Sundmacher, und die Mitglieder des Gesundheitsökonomischen Zentrums Berlin (Berlin HECOR) (2013). Gesundheitsökonomisches Zentrum Berlin (BerlinHECOR). *Public Health Forum* **21**(4):22.e1–22.e3.
- A. Mielck, M. Lungen, **M. Siegel**, K. Korber (2012). Folgen unzureichender Bildung für die Gesundheit. Gutachten im Auftrag der Bertelsmann-Stiftung, Gütersloh. [[Gutachten online verfügbar](#)]
- M. Lungen, **M. Siegel** (2011). Determinanten der Patientenzufriedenheit in der ambulanten Versorgung. Eine empirische Abschätzung für Deutschland. *Studien zu Gesundheit, Medizin und Gesellschaft (SGMG)*, Köln: Ausgabe 05/2011 [[Artikel online verfügbar](#)]
- **M. Siegel**, K. Mosler (2010). On the Life Course Perspective in Income Related Health Inequalities: A Semiparametric Approach. *Discussion Papers in Statistics and Econometrics* 3/2010. Universität zu Köln, Seminar für Wirtschafts- und Sozialstatistik [[Artikel online verfügbar](#)]
- A. M. Passon, **M. Siegel** (2010). Das Marktmodell im Gesundheitssystem. In: K. Lauterbach, M. Schrappe (Hrsg). *Gesundheitsökonomie, Qualitätsmanagement und Evidence-based Medicine*. Schattauer-Verlag Stuttgart
- M. Lungen, **M. Siegel**, A. Drabik, G. Büscher, I. von Törne (2009). Ausmaß und Gründe für Ungleichheiten der gesundheitlichen Versorgung in Deutschland. *Studien zu Gesundheit, Medizin und Gesellschaft (SGMG)* 5/2009. Köln: Ausgabe 5/2009 [[Gutachten online verfügbar](#)]
- **M. Siegel**, A. Plate, M. Lungen (2009). Transferring an inpatient reimbursement system: Practical issues and Vietnamese-German considerations. *Studien zu Gesundheit, Medizin und Gesellschaft (SGMG)*; Köln: Ausgabe 01/2009 [[Artikel online verfügbar](#)]
- M. Lungen, **M. Siegel**, K. W. Lauterbach (2007). Struktur der Transplantationen in Deutschland in den Jahren 2004 und 2005. *Studien zu Gesundheit, Medizin und Gesellschaft (SGMG)*; Köln: Ausgabe 10/2007 [[Artikel online verfügbar](#)]

### **Invited Speeches**

- 01/2016 Semiparametric modeling of variations in income-related health inequalities. *Research Training Group 1644 "Scaling Problems in Statistics"*, Georg-August-Universität Göttingen, January 27, 2016 in Göttingen, Germany.
- 10/2015 Strong financial protection is possible: a German perspective. *Technical WHO Workshop "Measuring financial protection in health systems: a new approach for the WHO European Region"*, October 21-22, 2015 in Barcelona, Spain.
- 05/2015 Ungleichheiten in Gesundheit und Gesundheitsversorgung. *Spreestadt-Forum*, May 18, 2015 in Berlin, Germany.
- 09/2014 Workshop (as instructor): Access to health care. *Interdisciplinary Summer School "Social Sciences meet Health Care"*, Technische Universität Dresden, September 21-26, 2014 in Dresden, Germany.
- 09/2014 Keynote: Inequalities in health and health care. *Interdisciplinary Summer School "Social Sciences meet Health Care"*, Technische Universität Dresden, September 21-26, 2014 in Dresden, Germany.
- 08/2014 Developing an index of potential accessibility to health care services at a small area level in Germany. *RWI Research Seminar*, August 28, 2014 in Essen, Germany.

### **Conferences and Workshops**

- 07/2015 Decomposing income-related health inequalities in East and West Germany: convergence after reunification? *IHEA, 11th World Congress in Health Economics: De Gustibus Disputandum Non Est! Health Economics and Nutrition*, July 12-15, 2015 in Milan, Italy
- 03/2015 Developing a composite index of spatial accessibility across different healthcare providers: a German example. *7th annual meeting of the German Health Economics Association (dggö)*, March 16-17, 2015 in Bielefeld, Germany.
- 03/2015 Measuring inequality: why health attainments and shortfalls are not "two sides of the same coin". *Organized session with Paul Allanson and Gustav Kjellsson at the 20th Congress on Poverty and Health*, March 5-6, 2015 in Berlin, Germany.
- 07/2014 From a conservative to a liberal welfare state: Decomposing changes in income-related health inequalities in Germany, 1994-2011. *IHEA/ECHE, Presentation at the 10th World Congress on Health Economics: Health Economics in the Age of Longevity*, July 13-16, 2014 in Dublin, Ireland
- 03/2014 Vortrag Hat sich gesundheitliche Ungleichheit in Ost- und Westdeutschland seit der Wiedervereinigung unterschiedlich entwickelt? Ein Vergleich anhand der Zerlegung von Konzentrationsindizes. *6th annual meeting of the German Health Economics Association (dggö)*, March 17-18, 2014 in Munich, Germany.

- 03/2013 Ausmaß und Determinanten gesundheitlicher Ungleichheit zwischen 1994 und 2011 – Zerlegung des Konzentrationsindex und seiner Veränderungen. *5th annual meeting of the German Health Economics Association (dggö)*, March 11-12, 2013 in Essen, Germany.
- 03/2013 Veränderungen der sozial bedingten gesundheitlichen Ungleichheit – eine Betrachtung der letzten 10 Jahre. *18. Congress on Poverty and Health (Armut und Gesundheit)*, March 6-7, 2013 in Berlin, Germany.
- 03/2012 Messung altersspezifischer gesundheitlicher Ungleichheit – ein ökonometrischer Ansatz. *Interdisciplinary Workshop (Klausurwoche) “Vorsicht verletzlich! Vulnerabilität als normatives Konzept in der Medizin”*, Forschungsstelle Ethik der Uniklinik Köln, March 11-16, 2012 in Cologne, Germany.
- 07/2011 On the life course perspective in income-related health inequalities: A semiparametric concentration Index. *8th World Congress on Health Economics: Transforming Health and Economics*. July 10-13, 2011 in Toronto, Canada.