

LEONIE SUNDMACHER

Address Schackstraße 4
80539 Munich
Email sundmacher@bwl.lmu.de

EDUCATION

Aug 2010 PhD in Health Economics, Department of Health Care Management, Berlin University of Technology

Jun 2008 MA in Political Science, Department of Political Science, Free University Berlin

Sep 2006 MSc in Health Economics, Department of Economics, University of York

Sep 2005 Postgraduate Diploma in Economics (BSc equivalent), Department of Economics, University of York

ACADEMIC WORK EXPERIENCE

Since Oct 2013 Professor for Health Services Management at the Munich School of Management, Ludwig Maximilians University Munich

Sep 2012 – Aug 2016 Head of the Junior Scientist Group „Challenging Inequities in Health and Health Care” funded by the Federal Ministry of Education and Research, Berlin University of Technology

Apr 2012 – Sep 2013 Junior Professor for Economics of Ambulatory Care, School of Economics and Management, Berlin University of Technology

Aug 2008 – Mar 2012 Senior Research Fellow, Department of Management in Health Care, School Economics and Management, Berlin University of Technology

May 2007 – Jun 2008 Research Fellow, Brunel University, Health Economics Research Group, London, UK

OTHER WORK EXPERIENCE

Dec 2006 – Apr 2007 Research Analyst, i3Innovus Health Economics Research, London, UK

Jul 2006 – Sep 2006 Visiting student, Health Econometrics and Data Group, Centre for Health Economics, University of York, UK

Jul 2005 – Sep 2005 Visiting student, Altana Pharma, Konstanz, Germany

Jul 2000 – Aug 2002 Student research assistant, German Parliament, Berlin

MEMBERSHIPS IN SCIENTIFIC ADVISORY BOARDS AND EXPERT COMMITTEES

- Federal Medical Association, member of the scientific advisory board for health services research since 2020
- Barmer, member of the scientific advisory board since 2020
- Bavarian Cancer Registry, member of the scientific advisory board since 2019
- Federal Office of Administration, member of the scientific advisory board to the risk adjustment scheme in the German Social Health Insurance (SHI) since 2018
- Federal Ministry of Health, member of the expert committee for a modern reimbursement system in ambulatory care since 2018
- Techniker Krankenkasse, member of the scientific advisory board since 2018
- Health-i Initiative of the newspaper Handelsblatt and the Techniker Krankenkasse, member of the board since 2017
- Zentralinstituts für die Kassenärztliche Versorgung in Deutschland, member of the scientific board to www.versorgungsatlas.de seit 2017
- Innovation Fund at the Federal Joint Committee, member of the expert committee since 2016
- Federal Physician Association, member of the expert committee for “Forecasting of Physician Supply in 2016”
- Allgemeine Ortskrankenkasse Bayern, member of the scientific advisory board since 2016
- Swiss National Fund, member of the panel NRP75 for health services research in 2016
- Federal Ministry of Education and Research, member of the scientific advisory board for health services research since 2016
- German Health Economics Association, member of board 2015 - 2018
- Innovative Medicine Initiative of the European Union and the Pharmaceutical Industry Association EFPIA, member of the expert panel 2013 - 2016

HONOURS AND AWARDS

- Keynote speech at the annual meeting of the German Network for Health Services Research in Berlin, 2017
- Keynote speech at the annual meeting of the Austrian Health Economics Association in Vienna, 2016
- Guest editing of the special issue “The policy contributions of the German Health Economics Centres” published in Health Policy, Volume 120 Issue(2), March 2016
- Eugen-Münch price for network medicine for the contribution „Quality management on the level of physician networks“, 2015
- Keynote Speech at the annual meeting of the German Health Economics Association in Bielefeld, 2015
- Guest editing of the special issue “Geographic Variation in Health Care – 40 Years of Small-Area Variation” published in Health Policy Volume 114 Issue(1), 2014
- Managing editor, Health Policy, Elsevier, since January 2011
- Elsa Neumann PhD-Scholarship, 2009 to 2010
- Poster price of the European Science Foundation in the category methodology for the contribution “Do smokers respond to health shocks”, 2006

LIST OF COURSES TAUGHT (FULL COURSES WITH 6 ECTS; COURSES WITH 3 ECTS ARE MARKED WITH*)

Bachelor

- Management in Health Care Systems (Lecture and Tutorial)
- Health Economics I (Lecture and Tutorial)
- Economic Evaluation of Health Care Programmes (Integrated Lecture)
- Competition and Strategy* (ABWL Lecture in English)
- Seminars with diverse topics in the area of health economic and health services management

Master

- Health Care Management and Health Economics (Lecture with tutorials in English)
- Health Systems (Lecture with tutorials in English)
- Health Economics II (Lecture with tutorials in English)
- Health Economics for Public Health Students (Lecture with tutorials in English)
- New Products: From Innovation to Markets* (Lecture with tutorials in English)
- Regulation and the pharmaceutical market (Seminar)
- Project Courses with (industry) partners (e.g. Physician Associations, Siemens sickness fund, Sanofi Aventis et cetera)

PhD

- Research and Progress Seminar in Health Economics and Health Care Management
- Diverse Workshops with international guests (e.g. Willingness to Pay for Health Care; Economic Evaluation of Health Care Programmes)

CONFERENCE PRESENTATIONS

International

- European Health Economics Association Student-Supervisor Conference 2019
- International Wennberg Collaborative/ Policy Conference 2015, 2016, 2019
- International Health Economics Association 2011, 2014, 2017
- Health Economics Study Group 2007, 2008, 2010, 2014
- European Conference of Health Economics 2008, 2012
- OECD Conference New Directions in Welfare 2013
- Nordic Health Economics Study Group 2009, 2011
- European Consortium for Political Research 2008, 2009
- European Science Foundation Conference 2006

National

- German Association of Health Economics 2009, 2012-2016, 2019
- German Association of Medical Sociology 2012, 2015
- Health Economics Group, Verein für Socialpolitik 2014, 2017
- Armut und Gesundheit, German Public Health Congress 2013, 2014
- Brown bag seminars at the Universities Duisburg-Essen, Augsburg, Charite Berlin, Halle-Wittenberg, Brunel, Bayreuth, Helmholtz-Zentrum München und an der Medizinischen Hochschule Brandenburg

Invited international presentations

- Annual Meeting of the Austrian Health Economic Association, Vienna 2016
- Zurich Forum for Health Services Research 2015

Selected invited national talks

- Kongress der Deutschen Gesellschaft für integrierte Versorgung, Berlin 2019
- Bad Orber Gespräche, Berlin 2019
- Versorgungsforschungsforum AOK-Baden-Württemberg, Stuttgart 2019
- 3. Zi-Congress Versorgungsforschung, Berlin 2019
- Barmer Länderforum Berlin-Brandenburg, Berlin 2019
- Barmer Länderforum Hessen, Wiesbaden 2019
- Kongress der Deutschen Gesellschaft für Chirurgie, München 2019
- Vorstellung des Gutachtens zur Weiterentwicklung der Bedarfsplanung, Gemeinsamer Bundesausschuss, Berlin 2018
- ‚Politik trifft Gesundheit im bayrischen Landtag‘ von Barmer und Health Care Bayern, München 2017
- Barmer GEK Forum Bayern, Deggendorf 2016
- Versorgungs- und Forschungskongress der Barmer GEK, Berlin 2016
- Klinik-Praxis Forum Baden-Württemberg, Stuttgart 2016
- Round-Table der saarländischen Selbstverwaltung von Novartis und MSD, Saarbrücken 2016
- Versorgungsforschungstag der Kassenärztlichen Vereinigung, Hamburg 2015
- Kongress für den Öffentlichen Gesundheitsdienst, Regensburg
- Hintergrundgespräch des Bundesverbandes Managed Care e.V., Berlin 2015
- Forum des Zentralinstituts für die kassenärztliche Versorgung in Deutschland, Berlin 2011, 2012, 2014
- Initiierung des §90a Gremiums, Landesministerium für Arbeit, Soziales, Gesundheit, Frauen und Familie in Brandenburg, Potsdam 2014
- Berliner Symposium der Gesellschaft für Qualität und Wirtschaftlichkeit im Gesundheitswesen 2014
- Wissenschaftliches Symposium des Deutschen Rotes Kreuzes und der GRPG, Berlin 2014
- Gemeinsame Fachtagung des BKK Landesverbands Bayern und Novartis, München 2014
- Versorgungsforschungs-Messe der Kassenärztlichen Bundesvereinigung, Berlin 2011, 2012, 2013, 2016, 2018
- Symposium der Kassenärztlichen Vereinigung Nordrhein, Düsseldorf 2013
- Teltower Kreis, Berlin 2013

International peer-reviewed publications

- [27] Schang, L.; Koller, D.; Franke, S.; Sundmacher, L. (2019): Exploring the role of hospitals and office-based physicians in timely provision of statins following acute myocardial infarction: a secondary analysis of a nationwide cohort using cross-classified multilevel models, *BMJ Open*, Oct 16;9(10)
- [26] Schüttig, W.; Sundmacher, L. (2019): Ambulatory care-sensitive emergency department cases: a mixed methods approach to systemise and analyse cases in Germany, *European Journal of Public Health*, in press
- [25] Baier, N.; Sax, L.-M.; Sundmacher, L. (2019): Trends and regional variation in rates of orthopaedic surgery in Germany: the impact of competition. *European Journal of Health Economics*, Feb;20(1):163-174
- [24] Koch R., Polanc A., Haumann H., Kirtschig G., Martus P., Thies C., Sundmacher L., Gaa C., Witkamp L., Joos S. (2018): Improving cooperation between general practitioners and dermatologists via telemedicine. Study protocol of the Telederm RCT. *Trials*. Oct 24;19(1):583
- [23] Kisch, R.; Bergmann, A.; Koller, D.; Leidl, R.; Mansmann, U.; Mueller, M.; Sanftenberg, L.; Schelling, J.; Sundmacher, L.; Voigt, K.; Grill, E. (2018): Patient trajectories and their impact on mobility, social participation and quality of life in patients with vertigo/dizziness/balance disorders and osteoarthritis (MobileE-TRA): study protocol of an observational, practice-based cohort study. *BMJ Open*, Apr 21;8(4)
- [22] Swanson, J.O.; Vogt, V.; Sundmacher, L.; Hagen, T.P.; Moger, T.A. (2018): Continuity of care and its effect on readmissions for COPD patients: A comparative study of Norway and Germany, *Health Policy*, 122(7):737-745
- [21] Vogt, V.; Scholz, S.D.; Sundmacher, L. (2018): Applying sequence clustering techniques to explore practice-based ambulatory care pathways in insurance claims data. *European Journal of Public Health*, Apr 1;28(2):214-219
- [20] Vogt, V.; Koller, D.; Sundmacher, L.: The effect of continuity of ambulatory care on hospitalisations of patients with heart failure in Germany. *European Journal of Public Health*, in Press.
- [19] Siegel, M.; Koller, D.; Vogt, V.; Sundmacher, L. (2016): Developing a composite index of spatial accessibility across different health care sectors: A German example. *Health Policy*, Volume 120(2), pp. 205-212.
- [18] Sundmacher, L.; Ozegowski, S. (2016): Regional Distribution of Physicians: the Role of Comprehensive Private Health Insurance in Germany. *European Journal of Health Economics*, Volume 17(4), pp. 443-51.

- [17] Sundmacher, L.; Kopetsch, T. (2015): The impact of office-based care on hospitalizations for ACSC. *European Journal of Health Economics*, Volume 16, Issue 4, pp. 365-375.
- [16] Sundmacher, L.; Fischbach, D.; Schüttig, W.; Naumann, C.; Faisst, C. (2015): Which hospitalisations are ambulatory care-sensitive, to what degree, and how could the rates be reduced? Results of a group consensus study with German providers. *Health Policy*.
- [15] Vogt, V.; Siegel, M.; Sundmacher, L. (2014): Examining regional variation in the use of cancer screening in Germany. *Social Science & Medicine*, Volume 110, pp. 74–80.
- [14] Siegel, M.; Vogt, V.; Sundmacher, L. (2014): From a conservative to a liberal welfare state: decomposing changes in income-related health inequalities in Germany, 1994-2011. *Social Science & Medicine*, Volume 108, pp. 10–19.
- [13] Sundmacher, L.; Busse, R. (2014): Geographic variation in health care—A special issue on the 40th anniversary of “Small area variation in health care delivery”. *Health Policy*, Volume 114, Issue 1, pp. 3–4.
- [12] Quentin, W.; Abosedo, O.; Aka, J.; Akweongo, P.; Dinard, K.; Ezeh, A.; Hamed, R.; Mtei, G.; Te Bonle, M.; Sundmacher, L. (2014): Inequalities in child mortality in ten major African cities. *BMC Medicine*, 12:95.
- [11] Burgdorf, F.; Sundmacher, L. (2014): Potentially avoidable hospital admissions in Germany – An analysis of factors influencing rates of ambulatory care sensitive conditions. *Deutsches Ärzteblatt International*, Volume 111, Issue 13, pp. 215-223.
- [10] Bäuml, M.; Sundmacher, L.; Reinhard, T.; Böhringer, D. (2014): The cost-effectiveness of HLA matching in penetrating keratoplasty. *International Journal of Technology Assessment in Health Care*, Volume 30, Issue 1, pp. 50-58.
- [9] Ozegowski, S.; Sundmacher, L. (2014): Understanding the gap between need and utilization in outpatient care - The effect of supply-side determinants on regional inequities. *Health Policy*, Volume 114, Issue 1, pp. 54-63.
- [8] Henschke, C.; Sundmacher, L.; Busse, R. (2013): Structural changes in the German pharmaceutical market: Price setting mechanisms based on early benefit evaluation. *Health Policy*, Volume 109, Issue 3, pp. 263–269.
- [7] Sundmacher, L. (2013): Trends and levels of avoidable mortality among districts: "Healthy" benchmarking in Germany, Volume 109, Issue 3, pp. 281–289.
- [6] Sundmacher, L.; Kopetsch, T. (2013): Waiting Times in the Ambulatory Sector – The case of chronically ill patients. *International Journal for Equity in Health*, Volume 12:77.
- [5] Ozegowski, S.; Sundmacher, L. (2012): Ensuring access to health care — Germany reforms supply structures to tackle inequalities. *Health Policy*, Volume 106, Issue 2, pp. 105-109.

[4] Sundmacher, L.; Gaskins, M.; Hofmann, K.; Busse, R. (2012): Spatial distribution of avoidable cancer mortality in Germany. *Journal of Public Health*, Volume 20, Issue 3, pp. 279-288.

[3] Sundmacher, L. (2012): The effect of health shocks on smoking and obesity. *European Journal of Health Economics*, Volume 13, Issue 4, pp. 451-460.

[2] Sundmacher, L.; Busse, R. (2011): The impact of physician supply on avoidable cancer deaths in Germany. *Health Policy*, Volume 103, Issue 1, pp. 53-62.

[1] Sundmacher, L.; Scheller-Kreinsen, D.; Busse, R. (2011): The wider determinants of health inequalities in Germany - A decomposition analysis. *International Journal for Equity in Health*, 10: 30.

National peer-reviewed publications

[15] Kurch-Bek D., Gallowitz C., Tenckhoff B., Sundmacher L. (2019) [Influenza vaccination rates of patients with statutory ambulatory medical care in protective facilities and in nursing and special care homes]. *Bundesgesundheitsblatt Gesundheitsforschung Gesundheitsschutz*. 2019 Jan;62(1):84-93

[14] Schang L., Sundmacher L., Grill E. (2019) New Forms of Cooperation Between The Outpatient and Inpatient Sectors: An Innovative Funding Concept] *Gesundheitswesen*. 2019, in press

[13] Blettner, M.; Sundmacher, L.; Dierks, M.; Donner-Banzhoff, N.; Hertrampf, K.; Klusen, N.; Köpke, S.; Masannek, M.; Pfaff, H.; Richter, R. Überlegungen des Expertenbeirats zu Anträgen im Rahmen des Innovationsfonds, *Zeitschrift für Evidenz, Fortbildung und Qualität im Gesundheitswesen (ZEFQ)*, in press

[12] Kurch-Bek, D.; Sundmacher, L; Gallowitz, G; Tenckhoff, B. (2017): Vertragsärztliche Versorgung von Patienten beschützenden Einrichtungen und Heimen. *Zeitschrift für Gerontologie und Geriatrie (IF: 0,77; Z: 0)*. In Press.

[11] Sundmacher, L.; Schüttig, W. (2016): Krankenhausaufenthalte infolge ambulantsensitiver Diagnosen in Deutschland. *Krankenhaus-Report*. S. 149-160.

[10] Sundmacher, L. (2016): Regionale Versorgungsunterschiede. *Public Health Forum*. Volume 24(1), pp. 13-16.

[9] Faisst, C.; Sundmacher, L. (2015): Ambulant-sensitive Krankenhausfälle: Eine internationale Übersicht mit Schlussfolgerungen für einen deutschen Katalog. *Gesundheitswesen*, Volume 77, Issue 3, pp. 168-177.

[8] Augustin, U.; Naumann, C.; Sundmacher, L. (2015): Ambulant-sensitive Krankenhausfälle in Deutschland: Eine Analyse auf Kreisebene für die Jahre 2006-2009. *Das Gesundheitswesen*, 77(04): e91-e105.

[7] Vogt, V.; Sundmacher, L.; Götz, N.; Creutz, T.; Witzheller, K.; Henschke, C. (2015): Mit Tabak- und Alkoholkonsum assoziierte Mortalität – Ein Benchmarking regionaler Trends

und Niveaus / Mortality related to alcohol and tobacco consumption - A benchmarking of regional trends and levels. Das Gesundheitswesen.

[6] Sundmacher, L.; Götz, N.; Vogt, V. (2014): Statistische Methoden der kleinräumigen Versorgungsforschung. Bundesgesundheitsblatt, Volume 57, Issue 2, pp. 174-179.

[5] Sundmacher, L.; Busse, R. (2012): Der Einfluss der Arztdichte auf ambulant-sensitive Krankenhausfälle. Krankenhausreport, pp. 183-202.

[4] Ozegowski, S.; Sundmacher, L. (2012): Wie "bedarfsgerecht" ist die Bedarfsplanung? Eine Analyse der regionalen Verteilung der vertragsärztlichen Versorgung. Das Gesundheitswesen, Volume 74, Issue 10, pp. 618-626.

[3] Latzitis, N.; Sundmacher, L.; Busse, R. (2011): Regionale Unterschiede der Lebenserwartung in Deutschland auf Ebene der Kreise und kreisfreien Städte und deren mögliche Determinanten. Das Gesundheitswesen, Volume 73, Issue 4, pp. 217-228.

[2] Sundmacher, L.; Kimmerle, J.; Latzitis, N.; Busse, R. (2011): Vermeidbare Sterbefälle in Deutschland: Räumliche Verteilung und regionale Konzentrationen. Das Gesundheitswesen, Volume 73 Issue 4, pp. 229-237.

[1] Sundmacher, L.; Morris, S. (2010): Adipositas und Erfolg am Arbeitsmarkt. Gesundheitsökonomie und Qualitätsmanagement, Volume 15, Issue 1, pp. 33-38.

Other publications

[18] Sundmacher, L.; Brechtel, T.; Flemming, R.; Schang, L.; Schüttig, W.; van den Berg, N.; Weinhold, I.; Wende, D. (2019) Ausblick auf eine sektorenübergreifende Bedarfsplanung der ambulanten Versorgung. Zukunft der Gesundheit: vernetzt, digital, menschlich (pp. 173-187). Berlin: Medizinisch Wissenschaftliche Verlagsgesellschaft

[17] Landenberger, M.; Benstetter, F.; Ertug, I.; Hasford, J.; Irlstorfer, E.; Kapitza, T.; Klemperer, D.; Sundmacher, L.; Marckmann, G.; Ziegler, A.-G. (2018) Digitale Transformation in der Gesundheitsversorgung. Empfehlungen des Beirats der AOK BY

[16] Sundmacher, L.; Schang, L.; Schüttig, W.; Flemming, R.; Frank-Tewaag, J.; Geiger, I.; Franke, S.; Weinhold, I.; Wende, D.; Kistemann, T.; Höser, C.; Kemen, J.; Hoffmann, W.; van den Berg, N.; Kleinke, F.; Becker, U.; Brechtel, T. (2018) Gutachten zur Weiterentwicklung der Bedarfsplanung i.S.d. §§ 99 ff. SGB V zur Sicherung der vertragsärztlichen Versorgung, published by Gemeinsamer Bundesausschuss. Available at: https://www.g-ba.de/downloads/39-261-3493/2018-09-20_Endbericht-Gutachten-Weiterentwicklung-Bedarfsplanung.pdf

[15] Schang, L.; Sundmacher, L. (2017) Zurückgelegte Wegzeiten in der ambulanten ärztlichen Versorgung in Deutschland. Bundesgesundheitsblatt - Gesundheitsforschung - Gesundheitsschutz, Volume 60(12), Pages 1383 - 1392.

[14] Schang, L.; Schüttig, W., Sundmacher, L. (2016): Unterversorgung im ländlichen Raum: Wie beurteilt die Bevölkerung innovative Versorgungsmodelle zur Sicherstellung einer bedarfsgerechten und wohnortnahen Gesundheitsversorgung? Gesundheitsmonitor Newsletter 3/2016, S. 1-15

- [13] Sundmacher, L. (2016): Regionale Variationen in der Gesundheit und Gesundheitsversorgung. S. 197-209. In Richter, M; Hurrelmann, K. Soziologie von Gesundheit und Krankheit. Wiesbaden: Springer.
- [12] Sundmacher, L.; Schüttig, W.; Schang, L. (2016): WHO-Studie: Handlungsbedarf bei ambulant-sensitiven Krankenhausfällen. Gesundheitswesen Vol. 78, p. 2.
- [11] Sundmacher, L.; Busse R. (2016): The policy contribution of German Health Economics Centres. Health Policy Vol. 120(2), pp. 139-40.
- [10] Sundmacher, L.; Schüttig, W.; Faisst, C. (2016): Ein konsentierter Katalog ambulant-sensitiver Krankenhausfälle. Versorgungsatlas des Zentralinstituts für die kassenärztliche Versorgung in Deutschland. Bericht 15/18.
- [9] Vogt, V.; Sundmacher, L. (2015): Lücken bei der Krebsvorsorge. Gesundheit und Gesellschaft, Ausgabe 05/15., pp. 37-41.
- [8] Ozegowski, S.; Sundmacher, L. (2013): Bedarfsplanung – quo vadis? Gesundheit- und Sozialpolitik, Heft 6, pp. 60-67.
- [7] Henschke, C.; Augustin, U.; Sundmacher, L.; Busse, R. (2013): Exkurs- Telemonitoring aus gesundheitsökonomischer Sicht. Eds: Schultz C, Helm TM. Telemedizin: Wege zum Erfolg. Stuttgart: Kohlhammer, p.73-75.
- [6] Busse, R.; Siegel, M.; Sundmacher, L. (2013): Gesundheitsökonomisches Zentrum Berlin. Public Health Forum, Volume 21, Issue 4, pp. 22-23.
- [5] Sundmacher, L. (2013): Vermeidbare Sterbefälle. Beiträge zum Lexikon der Gesundheitsökonomie. Gesundheitsökonomie und Qualitätsmanagement, in Press.
- [4] Sundmacher, L.; Ozegowski, S. (2013): Ziehen Privatpatienten Ärzte an? Gesundheit und Gesellschaft, Ausgabe 12/13, pp. 31-35.
- [3] Bäuml, M.; Sundmacher, L. (2012): Direkte Kosten. Gesundheitsökonomie und Qualitätsmanagement, Volume 1, pp.14-15.
- [2] Bäuml, M.; Sundmacher, L.; Zander, B. (2010): Major reform of German SHI contributions. Health Policy Monitor. Available at: http://www.hpm.org/en/Surveys/TU_Berlin_D/16/Major_reform_of_German_SHI_contributions.html.
- [1] Zander, B.; Kimmerle, J.; Sundmacher, L.; Bäuml, M. (2009): Health Policy in Germany after the election. Health Policy Monitor. Available at: http://www.hpm.org/en/Surveys/TU_Berlin_D/14/Health_Policy_in_Germany_after_the_election.html.