Sebastian Himmler

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PROFILE

Health economics PhD student with knowledge in health economic evaluation, health care management and health economics based on courses offered at university and 4-year research experience; trained in econometrics and health economic modelling; knowledge of and interest in well-being research, evaluation of health care programs and products, estimating the monetary value of health, health state valuation.

EDUCATION

09/2017-present **PhD Candidate, Erasmus University Rotterdam**
Erasmus School of Health Policy & Management, Health Economics Section

Thesis topic:
"The societal value of health and well-being gains"

Project description:
The monetary value of health and wellbeing gains remains understudied. I will develop and use methods, explicitly aimed to produce societal monetary values of health and well-being gains. Therefore, I aim to develop a framework for measuring quality of care in monetary terms. Such values also include equity considerations. There may be differences in weighting gains for men vs. women, elderly versus young or severely versus mildly ill beneficiaries. The developed methods may be used in future studies, and results may inform decision makers throughout Europe.

09/2017-present **Marie Curie Fellow**
European Training Network - Improving Quality of Care in Europe "IQCE" (https://www.iqce.eu/). Funded by the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 721402.

04/2013-05/2016 **M.Sc. Health Economics, University of Bayreuth, Germany**
Thesis: "Does the introduction of a prospective payment system influence the length of stay in hospitals? A quantitative analysis using aggregated data from Germany"
Overall GPA: 1.4 (First Class)

08/2014-05/2015 **Visiting Scholar, University of North Carolina at Chapel Hill**
Gillings School of Global Public Health, Department of Health Policy and Management

10/2009-04/2013 **B.Sc. Health Economics, University of Bayreuth, Germany**
Overall GPA: 2.4 (Second class – upper division)

PUBLICATIONS

Himmler, S., Soekhai, V., van Exel, J., Brouwer, W.: What works better for preference elicitation among older people? Cognitive burden of discrete choice experiment and case 2 best-worst scaling in an online setting. J. Choice Model. 38, 100265 (2020). https://doi.org/10.1016/j.jocm.2020.100265

Himmler, S., Branner, J.C., Ostwald, D.A.: The societal impact of a biologic treatment of ankylosing spondylitis: a case study based on secukinumab. J. Comp. Eff. Res. (2020). https://doi.org/10.2217/cer-2020-0077

Himmler, S., Mueller, M., Sherif, B., Ostwald, D.: A case study applying a novel approach to estimate the social impact of a medical innovation - the use of secukinumab for psoriatic arthritis in Germany. Expert Rev. Pharmacoeconomics Outcomes Res. 20, 369–378 (2020). https://doi.org/10.1080/14737167.2019.1644169

Hofmann, S., **Himmler, S**., Ostwald, D., Dünzinger, U., Launonen, A., Thuresson, P.-O.: The societal impact of obinutuzumab in the first-line treatment of patients with follicular lymphoma in Germany. J. Comp. Eff. Res. 9, (2020). https://doi.org/10.2217/cer-2020-0131

Himmler, S., van Exel, J., Brouwer, W.: Estimating the monetary value of health and capability well-being applying the well-being valuation approach. Eur. J. Heal. Econ. (2020). https://doi.org/10.1007/s10198-020-01231-7

Himmler, S., Exel, J. Van, Brouwer, W.: Happy with Your Capabilities ? Valuing ICECAP-O and ICECAP-A States Based on Experienced Utility Using Subjective Well-Being Data. Med. Decis. Mak. 1–13 (2020). https://doi.org/10.1177/0272989X20923015

Himmler, S., van Exel, J., Perry-Duxbury, M., Brouwer, W.: Willingness to pay for an early warning system for infectious diseases. Eur. J. Heal. Econ. (2020). https://doi.org/10.1007/s10198-020-01171-2

Himmler, S., Müller, M., Ostwald, D., Seddik, A., Basic, E., Hradetzky, E.: Long-term health benefits of stroke prevention with apixaban versus vitamin K antagonist warfarin in patients with non-valvular atrial fibrillation in Germany: a population-based modelling study. Expert Rev. Pharmacoeconomics Outcomes Res. 19, (2019). https://doi.org/10.1080/14737167.2019.1522501

Reichert, A., Fröhlich, J., **Himmler, S**., Krauth, C., Amelung, V.E.: Health economic potentials of an integrated post-stroke care management approach | Gesundheitsökonomische Potenziale einer ganzheitlichen Nachsorge von Schlaganfallpatienten. Gesundheitsokonomie und Qual. 22, 297–305 (2017).

Davis, S.A., **Himmler, S**., Feldman, S.R.: Cost-effectiveness analysis of using dermatologists versus pediatricians to treat mild to moderate acne. Dermatol. Online J. 23, 0–11 (2017)

Amelung V., **Himmler S**., Stein V.: Strategic Management and Integrated Care in a Competitive Environment. In: Amelung V. (Ed.): Handbook Integrated Care. Springer Verlag (2017).

Neumann K., Stibbe H., Ostwald D., **Himmler S**., Müller M., Damm O., Scholz S., Greiner W: Entwicklung des Gesundheitsnutzens – Veränderung der Krankheitslast von 1993 bis 2013 für ausgewählte Krankheitsbilder. Study report for the Bundesverbandes der deutschen Industrie e.V. (BDI) (2017).

Schmid A., **Himmler S**.: Netzwerkmedizin – Impulse für Deutschland aus den USA. Project report for the Münch Foundation (Stiftung Münch) (2015). Available at: http://www.stiftung-muench.org/wp-content/uploads/2016/06/StudieUSA.pdf.

Himmler S., Jugl M.: Hospital Costs in the USA and Germany. In: Schmid A. and Fried B. (Ed.): Crossing Borders – Health Reform in the U.S. Schriften zur Gesundheitsökonomie, vol. 82, pp. 41-56 (2015).

RESEARCH EXPERIENCE

07/2016-12/2018   **Research Associate, WifOR GmbH, Darmstadt, Germany**
Health Economic research

- Working in and leading of research projects measuring the societal impact of different innovations on productivity by adopting and developing health economic models, creating population models and establishing a link between clinical outcomes and productivity
- Performing societal benefit-cost analysis and accounting for uncertainty through probabilistic sensitivity analysis
- Conducting a burden of disease analysis for type 2 diabetes in Germany and developing an appropriate disease and population model

12/2015-05/2016   **Student Assistant, Hannover Medical School, Hannover, Germany**
Institute of Epidemiology and Health Systems Research

- Writing of research proposals for the German Innovation Fund
- Drafting publications and preparing presentations for international conferences

06-10/2015   **Internship, inav-GmbH (Institut für angewandte Versorgungsforschung), Berlin, Germany**
Research Assistant for health economic modeling and evaluation

- Conducting literature reviews using PubMed for two indications to gather input parameters for health economic models
- Developing an economic model for the post-acute care of stroke in Germany and adopting a cost-effectiveness model from the British to the German context

TEACHING EXPERIENCE

2020   **Tutor, Erasmus School of Health Policy & Management**
Measuring patient preferences using Discrete Choice Experiments

2019-2020   **Tutor, Erasmus School of Health Policy & Management**
Global Health Economics

2019-2020   **Supervisor, Erasmus School of Health Policy & Management**
Master thesis supervision (4)

2019   **Tutor, Erasmus School of Health Policy & Management**
Quantitative Research Methods

05-08/2015   **Student Assistant, University of Bayreuth, Bayreuth, Germany**
STATA instructor for Empirical Health Economics

SKILLS (SELECTION)

Methodology: Discrete choice experiments, Statistical modelling using Markov chains and decision trees, survey design, linear and non-linear regression analysis, theory of economics of health and health care

Software: STATA, R, NGENE, SAWTOOTH

Languages: German (mother tongue), English (business fluent), French (intermediate), Dutch (beginner)

PROFESSIONAL AND ASSOCIATION MEMBERSHIPS

Working group of health economics and management (AKGM e.V., Bayreuth)

German Society for Health Economics (DGGÖ)