

Maarten J. Bijlsma

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PERSONALIA

Full name: Bijlsma, Maarten Jacob
Languages: Dutch (native),
English, German
Author metrics: Citations: 132
h-index: 7



Current position

Research Scientist at the **Population Health Laboratory** of the **Max Planck Institute for Demographic Research** in Rostock, Germany. Nov 2015 – Current.

Education

PhD Fellow (AIO), research unit Pharmacoepidemiology and Pharmacoecomics. University of Groningen, the Netherlands. Promotors: Prof. Dr. Eelko Hak and Prof. Dr. Stijn Vansteelandt. Copromotor: Dr. Fanny Janssen. 2011 – 2015.

MSc Statistical Data Analysis. *With distinction*. Ghent University, Belgium. 2012 – 2014.

MSc Research Master Regional Studies, specialization in **Population Studies**. *Highest distinction*. University of Groningen, the Netherlands. 2009 – 2011.

BSc Human Geography, minor in **Population Studies**. *Highest distinction*. University of Groningen, the Netherlands. 2006 – 2009.

Publications

International peer reviewed articles

Bijlsma MJ, Tarkiainen L, Myrskylä M, Martikainen P. Unemployment and subsequent depression: a mediation analysis using the parametric G-formula. *Social Science & Medicine* 2017;194:142-150. (IF: 2.797)

Bijlsma MJ, Daniel RM, Janssen F, De Stavola BL. An assessment and extension of the mechanism-based approach to the identification of age-period-cohort models. *Demography* 2017; 54: 721-743. (IF: 2.800, the top journal in Demography).

Trias-Llimós S, **Bijlsma MJ**, Janssen F. The role of birth cohorts in long-term trends in liver cirrhosis mortality across eight European countries. *Addiction* 2017;112(2):250-258. (IF: 4.97, #1 journal in category 'Substance abuse').

Mulder B, **Bijlsma MJ**, Schuiling-Veninga CCM, Morssink LP, van Puijenbroek E, Aarnoudse JG, Hak E, de Vries TW. Risks versus benefits of medication use during pregnancy: what do women perceive? *Patient Preference and Adherence*. In Press. (IF: 1.798)

Darvishian M, Dijkstra F, Van Doorn E, **Bijlsma MJ**, Donker GA, De Lange MA, Cadenau LM, Hak E, Meijer A. Influenza vaccine effectiveness in the Netherlands from 2003/2004 through 2013/2014: the importance of circulating influenza virus types and subtypes. *PLoS One*. 2017 9;12(1). (IF: 3.057)

Bijlsma MJ, Janssen F, Hak E. Estimating time-varying drug adherence using electronic records: extending the Proportion of Days Covered (PDC) method. *Pharmacoepidemiology & Drug Safety* 2016;25(3):325-32 (IF: 2.94)

Bijlsma MJ, Vansteelandt S, Janssen F, Hak E. The effect of adherence to statin therapy on cardiovascular mortality: quantification of unmeasured bias using falsification end-points. *BMC Public Health*. 2016 11;16:303. (IF: 2.264)

Berm EJJ, Odigie B, **Bijlsma MJ**, Wilffert B, Touw DJ, Maring JG. A clinical validation study for application of dried blood spots in therapeutic drug monitoring of antidepressants. *Bioanalysis* 2016;8(5):413-24 (IF: 3.003)

Nguyen TP, Wright EP, Nguyen TT, Schuiling-Veninga CC, **Bijlsma MJ**, Nguyen TB, Postma MJ. Cost-effectiveness analysis of screening for and managing identified hypertension for cardiovascular disease prevention in Vietnam. *PLoS One*. 2016; 11(5). (IF: 3.057)

Bijlsma MJ, Janssen F, Bos HJ, Kamphuisen PW, Vansteelandt S, Hak E. Brief Report: Association Between Statin Use and Cardiovascular Mortality at the Population Level: An Ecologic Study. *Epidemiology* 2015;26(6):802-5. (IF: 6.18)

Bijlsma MJ, Janssen F, Lub R, Bos HJ, De Vries FM, Vansteelandt S, Hak E. Birth cohort appeared to confound effect estimates of guideline changes on statin utilization. *Journal of Clinical Epidemiology* 2015; 68(3):334-40 (IF: 3.42)

Kröpelin TF, de Zeeuw D, Andress DL, **Bijlsma MJ**, Persson F, Parving HH, Lambers Heerspink HJ. Number and Frequency of Albuminuria Measurements in Clinical Trials in Diabetic Nephropathy. *Clinical Journal of the American Society of Nephrology* 2015; 10(3):410-6. (IF: 5.25)

Darvishian M, **Bijlsma MJ**, Hak E, Van den Heuvel ER. Seasonal influenza vaccine effectiveness among the community-dwelling elderly: a meta-analysis of test-negative design case-control studies. *The Lancet: Infectious Diseases* 2014; 14(12):1228-39. (IF: 19.45, #1 journal in category 'Infectious diseases')

Gefenaite G, **Bijlsma MJ**, Bos HJ, Hak E. Did introduction of pneumococcal vaccines in the Netherlands decrease the need for respiratory antibiotics in children? Analysis of 2002 to 2013 data. *Eurosurveillance*. 2014; 19(44). (IF: 5.86)

Bijlsma MJ. Commentary: G-computation might be used to control for confounding when estimating the population-level impact of interventions through outcome distribution curves. *Journal of Clinical Epidemiology*. 2014. 67(11):1286. (IF: 3.42)

Bijlsma MJ, Hak E, Bos HJ, De Jong-van den Berg LTW, Janssen F. Assessing the effect of a guideline change on prevalence of benzodiazepine use by including the birth cohort dimension: interrupted time series studies. *Pharmacoepidemiology & Drug Safety* 2013; 22(9): 933-941. (IF: 3.17)

Klaassens M, **Bijlsma MJ**. New places of remembrance: Individual Web memorials in the Netherlands. *Death Studies* 2013. DOI: 10.1080/07481187.2012.742474. (IF: 0.674)

Bijlsma MJ, Hak E, Bos HJ, De Jong-Van den Berg LTW, Janssen F. Inclusion of the birth cohort dimension improved description and explanation of trends in statin use. *Journal of Clinical Epidemiology* 2012; 65: 1052-1060. (IF: 3.42)

Under review

Bijlsma MJ, Wilson B. A new approach to understanding the socio-economic determinants of fertility over the life course.

Vidra N, **Bijlsma MJ**, Janssen F. Past trends of obesity attributable mortality in the Netherlands: an application of age-period-cohort analysis.

Vidra N, **Bijlsma MJ**, Trias-Llimós S, Janssen F. Impact of different estimation methods and underlying choices on obesity-attributable mortality: the case of the Netherlands.

Working papers

Bijlsma MJ, Evans R. The G-formula's null paradox: towards intuition with examples.

Riffe T, van Raalte A, **Bijlsma MJ**. Healthy life expectancy, mortality, and age prevalence of morbidity.

Dutch language publications

Van Doorn E, Darvishian M, Dijkstra F, **Bijlsma MJ**, Donker GA, de Lange MMA, Cadenau LM, Hak E, Meijer A. Effectiviteit van influenzavaccinatie in Nederland: dominant circulerend virustype en match zijn bepalend. *Nederlands Tijdschrift voor Geneeskunde* 2017;161:D1648.

Bijlsma MJ, Janssen F, Bos HJ, Kamphuisen PW, Vansteelandt S, Hak E. Associatie tussen gebruik van statine en cardiovasculaire sterfte in Nederland 1994-2010: een ecologische studie. *Medisch Farmaceutische Mededelingen* 2015; 4: 23-5.

Bijlsma MJ, Oortgiesen BE, Beernink RHJ, Bos J, Willfert B, Hak E. Het effect van de CBG-waarschuwing op de trend in SSRI-gebruik in Nederland van 1998 tot 2010. *Pharmaceutisch Weekblad Wetenschappelijk Platform* 2014;8:A1406.

Bijlsma MJ, Bos HJ, De Jong-van den Berg LTW, Janssen F. Periodepatronen, leeftijdpatronen en cohortpatronen in de prevalentie van benzodiazepinegebruik en statinegebruik: de invloed van veranderde richtlijnen. *Pharmaceutisch Weekblad Wetenschappelijk Platform* 2011; 5(10): 169-173.

Bijlsma MJ, Moerman JM. Herdenken in een post-geografische ruimte. *Rooilijn* 2010; 43(1) pp. 22-7.

Invited talks | Nuffield College, Oxford University, UK, October 2017.

Population Research Unit, University of Helsinki, Finland, January 2017.

Netherlands Interdisciplinary Demographic Institute, the Hague, the Netherlands, September 2015.

Medical Statistics Department, London School of Hygiene & Tropical Medicine, UK, May 2015.

Department of Social Policy, London School of Economics & Political Science, UK, May 2015.

Department of Methodology, London School of Economics & Political Science, UK, May 2015.

Conference presentations | 18 oral presentations and 3 poster presentations (incl. orals at the Population Association of America, the European Population Conference and the International Conference on Pharmacoepidemiology & Therapeutic Risk Management). Full list is available on request.

Grants | I was awarded an **Ubbo Emmius Grant** to fund my PhD research. Value: € 198,693 over 4 years.

Professional activities | **Professional associations**
European Association for Population Studies (2014 –), the Netherlands Demographic Society (2011 –). The Netherlands Society for Statistics and Operations Research (2013 – 2015), International Society for Pharmacoepidemiology (2012 – 2015).

Research visits

Centre for Statistical Methodology and the Medical Statistics Department, London School of Hygiene and Tropical Medicine, United Kingdom (1st March, 2015 – 31st May, 2015).

ESRC Centre for Population Change and the Department of Social Statistics & Demography. University of Southampton, United Kingdom (1st March, 2011 – 31st March, 2011).

Other professional activities

Organizer Rostock Retreat on Causality (2017 –).

Chair MPIDR Presentation Committee (2017 –).

Co-founder and editor of Demotrends: weblog on demographic trends and research (2012 –).

Member PhD council SHARE Research Institute for Health Research, University Medical Centre Groningen (Sept 2011 – Sept 2012).

Teaching experience | I am preparing a three-day workshop on Causal Mediation Analysis with Longitudinal Data. To be held at the University of Helsinki, Finland, in May 2018.

Co-supervised 3 MSc theses (2 at Univ. Groningen, Dept of Pharmacy, 1 at Univ. Rostock, Social Sciences), and 2 BSc theses (at Univ. Groningen, Dept of Pharmacy).

Lectured series 'Introduction to survival analysis'. Department of Demography, Faculty of Spatial Sciences, University of Groningen. Jan 2014 and Jan 2015.

Teaching-assistant Analytical Demography. Department of Demography, Faculty of Spatial Sciences, University of Groningen. Jan 2010 – Jan 2012.

Teaching-assistant Statistics. Department of Economic Geography, Faculty of Spatial Sciences. University of Groningen. Sept 2008 – Aug 2011.

Programming languages | I am primarily an R user, but have good working knowledge of SAS, SPSS, MySQL and Microsoft SQL server.

Academic service | **Reviewed for**

European Journal of Epidemiology; International Journal of Cardiology; International Journal of Chronic Obstructive Pulmonary Disease; Nutrition, Metabolism & Cardiovascular Diseases; PLoS ONE; Drug Safety; Journal of Comparative Effectiveness Research; Clinical Epidemiology; Public Understanding of Science; Advances in Life Course Research; Demographic Research; Injury Epidemiology; Death Studies.

Chaired sessions at conferences

Dutch Demography Day

Weblog entries | Bijlsma MJ. 'Inferring population-level effects from individual-level effect estimates: G-computation'. *Demotrends (Weblog)*. Sept 1, 2015.

Bijlsma MJ. 'A hot topic and a futile quest? The recent discussion on age-period-cohort analysis'. *Demotrends (Weblog)*. Feb 17, 2014.

Bijlsma MJ. 'The bias-variance tradeoff, what it means for quantitative researchers'. *Demotrends (Weblog)*. Sept 4, 2013.

Bijlsma MJ. 'Homage to the Lexis diagram'. *Demotrends (Weblog)*. Aug 23, 2013.

Bijlsma MJ. 'Demography and Epidemiology: Past and Future Directions'. *Demotrends (Weblog)*. Feb 12, 2013.

Press coverage | "Better Understanding of Alcohol-Related Mortality Trends in Europe". Population Europe. March 20, 2017.