

Pieter Bakx

WORK ADDRESS

Erasmus School of Health Policy & Management
Erasmus University Rotterdam
Burgemeester Oudlaan 50, Bayle building 8th Floor
3062PA Rotterdam, the Netherlands

Phone: +31 10 4082495
E-mail: bakx@eshpm.eur.nl

APPOINTMENT

Erasmus School of Health Policy & Management,
Erasmus University Rotterdam, the Netherlands

2020 – present Associate professor
2015-2020 Assistant professor

JOURNAL ARTICLES

Wolters F, Harteloh P, van Rooij F, Bakx P, van Heemst J, Kieboom B, Ikram A. 2026. Diagnostic value of death certificates for case ascertainment of dementia: a population-based assessment of mortality registry data. *Journal of Alzheimer's Disease*

Stoitsas K, Bakx P, Voortman T, Yu J, Roshchupkin G, Bos D. 2025. Contributions of lifestyle, education, and cardiovascular risk factors to the brain age gap. *Aging Brain* 100149

Bakx P, Godoy C, Al-Azazi S, Banerjee A, Burrack N, Ehlig D, Fu C, Hatfield L, Hartman A, Huang N, Ko D, Lix L, Moser D, Novack V, Pasea L, Qiu F, Quinn K, Ravi B, Stukel T, Uyl-de Groot C, Landon B, Cram P. 2025. Regionalization of hip fracture care in five high-income countries. *Health Services Research* 60(6): e70002

Bagnasco G, Bakx P, van Exel J, Licher S, Wouterse B. 2025. Earnings losses in young-onset dementia: population-based study with admin data. *Alzheimer's & Dementia*

Huang N, Hatfield L, Al-Azazi S, Bakx P, Banerjee A, Burrack N, Chen Y, Fu C, Godoy Junior C, Heine R, Ko D, Lix L, Novack V, Pasea L, Qiu F, Ravi B, Stukel T, Uyl-de Groot C, Cram P, Landon B. 2024. Comparison of management and outcomes of hip fractures among low- and high-income patients in six high-income countries. *Journal of General Internal Medicine*

Bär M, Bom J, Bakx P, Hertogh C, Wouterse B. 2024. Variation in excess mortality across nursing homes in the Netherlands during the COVID-19 pandemic. *Journal of the American Medical Directors Association*: 105116

Lu H, Hatfield L, Al-Azazi S, Bakx P, Banerjee A, Burrack N, Chen Y, Fu C, Gordon M, Heine R, Huang N, Ko D, Lix L, Novack V, Pasea L, Qiu F, Stukel T, Uyl-de Groot C, Weinreb G, Landon B, and Cram P. 2024. Sex-based disparities in acute myocardial infarction treatment patterns and outcomes in older adults hospitalized across 6 high-income countries: an analysis

from the International Health Systems Research Collaborative. *Circulation: Cardiovascular Quality and Outcomes*.

Burrack N, Hatfiel L, Bakx P, Banerjee A, Chen Y, Fu C, Godoy Junior C, Gordon M, Heine R, Huang N, Ko D, Lix L, Novack V, Pasea L, Qui F, Stukel T, Uyl-de Groot C, Ravi B, Al-Azazi S, Weinreb G, Cram P, Landon B. 2023. Variation in Care for Patients Presenting with Hip Fracture in 6 High-Income Countries: A Cross-Sectional Cohort Study. *Journal of the American Geriatrics Society*

Wammes J, Bakx P, Wouterse B, Buurman B, Murphy T, MacNeil Vroomen J. 2023. Acute Hospital Utilization of Older Adults Following the 2015 Dutch Reform of Long-term Care: an Interrupted Time Series Analysis. *The Lancet Healthy Longevity*: e257-e264 ([Summary in Dutch](#))

Landon B, Hatfield L, Bakx P, Banerjee A, Chen Y, Fu C, Gordon M, Heine R, Huang N, Ko D, Lix L, Novack V, Pasea L, Qiu F, Stukel T, Uyl-de Groot C, Yan L, Weinreb G, Cram P. 2023. Differences in Treatment Patterns and Outcomes of Acute Myocardial Infarction for Low- and High-Income Patients in 6 Countries: an analysis from the International Health Systems Research Collaborative. *Journal of the American Medical Association* 329(13):1088-1097

Koster F, Bakx P, Kok M, Lopes Barreto D, Weel-Koenders A. 2023. Multimorbidity status and annual healthcare expenditures of rheumatoid arthritis patients: a Dutch hospital-centered versus population-based comparison. *Rheumatology International*

Klootwijk A, Bakx P, Franx A, Posthumus A, Bijma H, Ernst-Smelt H, van Rijn B. 2023. Patient-reported outcome and experience measures for quality improvement in pregnancy and childbirth care: a retrospective cohort study. *British Medical Journal Open Quality* 12: e001922

De Groot S, Santi I, Bakx P, Wouterse B, van Baal P. 2023. Informal care costs according to age and proximity to death to support cost-effectiveness analyses. *Pharmacoeconomics*

Wouterse B, Bakx P, Wong A. 2023. Variation in mortality and hospitalizations between nursing homes. *Medical Care Research and Review*

Bom J, Bakx P, van Doorslaer E, Gørtz M, Skinner J. 2023. Population composition and system characteristics both explain the difference in nursing home admission rates between the US, Netherlands and Denmark. *Journal of the Economics of Ageing*

Bär M, Bakx P, Wouterse B, van Doorslaer E. 2022. Estimating the health value added by nursing homes. *Journal of Economic Behavior and Organization*

Bom J, Rellstab S, Bakx P. 2022. Well-being right before and after a permanent nursing home admission. *Health Economics* 31(12): 2558-2574

Vargas Lopes F, Bakx P, Van Ourti T, Ravesteijn B, Harper S. 2022. The effects of supported housing for individuals with mental disorders. *Health Economics*

Gräler L, Bremmers L, Bakx P, van Exel J, van Bochove M. 2022. Informal care in times of a crisis: objective burden, subjective burden and quality of life of caregivers in the Netherlands during the COVID-19 pandemic. *Health & Social Care in the Community*

Cram P, Hatfield L, Bakx P, Banerjee A, Fu C, Gordon M, Heine R, Huang N, Ko D, Lix L, Novack V, Pasea L, Feng Qiu F, Stukel T, Uyl-de Groot C, Yan L, Landon B. 2022. Variation in revascularisation use and outcomes of patients in hospital with acute myocardial infarction

across six high income countries: cross sectional cohort study. *British Medical Journal*: e069164

Lenzen S, Bakx P, Bom J, van Doorslaer E. 2021. Health care use and out-of-pocket spending by persons with dementia differ between Europe and the United States. *Medical Care*: 543-549

Bakx P, Douven R, Schut E. 2021 Does independent needs assessment limit supplier-induced moral hazard in long-term care? *Health Policy*: 41-46

Kattenberg M, Bakx P. 2020. Substitute services: a barrier to reducing long-term care expenditures. *European Journal of Ageing*;

Bakx P, Wong A, Wouterse B, van Doorslaer E. 2020. Better off at home? Effects of nursing home eligibility on costs, hospitalizations and survival. *Journal of Health Economics*: 102354;

Tenand M, Bakx P, van Doorslaer E. 2020. Eligibility or use? Disentangling the sources of horizontal inequity in home care receipt in the Netherlands. *Health Economics*: 1161-1179 ([code](#));

Rellstab S, Bakx P, García-Gómez P, van Doorslaer E. 2020. The kids are alright. Labour market effects of a parental health shock: evidence from the Netherlands. *Journal of Health Economics*: 102275;

Tenand M, Bakx P, van Doorslaer E. 2020. Equal long-term care for equal needs with universal and comprehensive coverage? An assessment using Dutch administrative data. *Health Economics*: 435-451 ([code](#));

Bom J, Bakx P, Schut FT, van Doorslaer E. 2019. Health effects of caring for and about parents and spouses. *Journal of Economics of Ageing*: 100196;

Van Baal P, Perry-Duxbury M, Bakx P, Versteegh M, van Doorslaer E, Brouwer W. 2019. A cost-effectiveness threshold based on the marginal returns of cardiovascular hospital spending. *Health Economics*: 87-100;

De Hond A, Bakx P, Versteegh M. 2019. Can time heal all wounds? An empirical assessment of adaptation to functional limitations. *Social Science and Medicine*: 180-187;

Bom J, Bakx P, Schut F, van Doorslaer E. 2018. The impact of informal caregiving for older adults on the health of various types of caregivers: a systematic review. *The Gerontologist* 59(5): e629–e642;

De Zwart P, Bakx P, van Doorslaer E. 2017. Will you still need me, will you still feed me when I'm 64? The health impact of caregiving to one's spouse. *Health Economics*: 127-138;

French E, McCauley J, Aragon M, Bakx P, Chalkley M, Chen S, Christensen B, Chuang H, Côté-Sergent A, De Nardi M, Fan E, Échevin E, Geoffard P-Y, Gastaldi-Ménager C, Gørtz M, Ibuka Y, Jones J, Kallestrup-Lamb M, Karlsson M, Klein T, de Lagasnerie G, Michaud P, O'Donnell O, Rice N, Skinner J, van Doorslaer E, Ziebarth N, Kelley E. 2017. End-of-life medical spending in last twelve months of life is lower than previously reported. *Health Affairs*: 1211-1217;

Bakx P, O'Donnell O, van Doorslaer E. 2016 Spending on health care in the Netherlands: not going so Dutch. *Fiscal Studies*: 593-625;

Bakx P, De Meijer C, Schut FT, van Doorslaer E. 2015. Going formal or informal, who cares? The role of differences in public coverage of long-term care in household decisions. *Health Economics*: 631-643;

De Meijer C, Bakx P, Koopmanschap M, van Doorslaer E. 2015. Explaining declining rates of institutional LTC use in the Netherlands: a decomposition approach. *Health Economics* 2015: S18-S31;

Bakx P, Chernichovsky D, Paolucci F, Schokkaert E, Trottman M, Wasem J, Schut FT. 2015. Demand-side strategies to deal with moral hazard in public long-term care insurance. *Journal of Health Services Research and Policy*: 170-176;

Bakx P, Schut FT, van Doorslaer E. 2015. Can universal access and competition be combined in long-term care insurance? *International Journal of Health Economics and Management*: 185-213.

PUBLICATIONS (NOT PEER REVIEWED)

Bakx P, Schut E, Wouterse B. 2025. Price setting and contracting help to ensure equitable access in the Netherlands. World Health Organization.

Bakx P, van Doorslaer E, Wouterse B. 2025. Long-Term Care in the Netherlands. In: Gruber J, McGarry K. Long-term Care around the World. Chapter 7. NBER Working Paper 31823

Gateway to global ageing data. Long-term care policy explorer: The Netherlands

Tenand M, Bakx P, Wouterse B. 2024. Out-of-pocket payments for nursing home residents: Balancing financial protection with incentives for efficient use. CEPR VoxEU column

Varkevisser M, Wouterse B, Schut E, van der Geest S, Bakx P. 2023. Inkopers van ouderenzorg: prikkels en gedragseffecten Onderzoek in opdracht van het Ministerie van Volksgezondheid, Welzijn en Sport (VWS)

Wouterse B, Bakx P. 2021. Review NZa-prognosemodel Wlz-kader. ESHPM onderzoeksrapport

Bakx P, Schut E, Wouterse B. 2021. Prikkels voor kwaliteit en preventie bij inkoop ouderenzorg moeten beter. Economisch Statistische Berichten

Barber S, van Gool K, Wise S, Woods M, Or Z, Penneau A, Milstein R, Ikegami N, Kwon S, Bakx P, Schut E, Wouterse B, Flores M, Lorenzoni L. 2021. Pricing long-term care for older persons. WHO / OECD

Tenand M, Bakx P, Hussem A. 2021. Encourager le maintien à domicile par des financements alternatifs: le cas néerlandais. *Gérontologie et société*: 287-304

Bom J, Wouterse B, Bakx P, Tenand. 2021. Grote verschillen in eigen bijdrage aan ouderenzorg. *Gerōn* 22 (4)

Hussem A, Bakx P, Tenand M. 2020. Publieke middelen voor particuliere ouderenzorg. Netspar Design Paper 143

Bakx P, van Baal P, van Exel J, Wouterse B. 2020. Slim opstarten zorg vergt afweging. Economisch Statistische Berichten

Bakx P, van Baal P, van Exel J, Wouterse B. 2020. Lessen trekken uit de zorguitval tijdens de coronacrisis. Blog on website Economisch Statistische Berichten

Bakx P, Garcia-Gomez P, Rellstab S, Schut FT, van Doorslaer E. 2020. Hervorming langdurige zorg: trends in het gebruik van verpleging en verzorging. Netspar Design Paper 141

Bakx P, Bom J, Tenand M, Wouterse B. 2020. Eigen bijdragen aan ouderenzorg. Netspar Design Paper 139

Bakx P, Bär M, Rellstab S, Wouterse B. 2020. Zicht op kwaliteit van verpleeghuiszorg? ESHPM Research report 2020.03

Bakx P, Bom J, van Doorslaer E, Hussem A, Schut FT, Wouterse B. 2019. Wie betaalt en zorgt voor de ouderen van morgen? Netspar Brief 14 (video-interview);

Wong A, Bakx P, Wouterse B, van Doorslaer E. 2018. Thuiszorg is niet altijd goedkoper dan verpleeghuiszorg. Economisch Statistische Berichten;

Bom J, Bakx P, Schut FT, van Doorslaer E. 2018. Informal caregiving, a healthy decision? Determinants and health-related consequences of providing informal care. Netspar Survey Paper 52;

Non M, van der Torre A, Mot E, Eggink E, Bakx P, Douven R. 2015. Keuzeruimte in de langdurige zorg. CPB Boek 18 / SCP publicatie 2015-29;

Bakx P, Schut FT, van Doorslaer E. 2013. Risicoverevening in ouderenzorg (Economisch Statistische Berichten 98 (4651): 20-23

WORK IN PROGRESS (WORKING PAPER / SUBMITTED)

The effect of a miscarriage on mental health, labour market, and family outcomes (R&R at *Oxford Bulletin of Economics & Statistics*; with S Rellstab, P Garcia-Gomez; ESCHER Working Paper No. 2022007)

The impact of co-payments for nursing home care on use, health, and welfare (R&R at *Journal of Risk and Insurance*; with M Tenand, B Wouterse; CPB Discussion Paper 410)

Spillover effects of delayed nursing home admissions on hospitalisations and costs (submitted; with M Bär, N Rice, R Santos, L Siciliani, B Wouterse; ESCHER Working Paper 2024004)

Labor market consequences of low-value mental health care (submitted; with M Albertini, F Mazzonna; IZA Working paper 17771)

GRANTS, HONORS, AND FELLOWSHIPS

2026 Freie Universität Berlin Research Stipend (€3,000) and Erasmus Trustfonds Travel Grant (€1,750) to fund research visit

2025 ODISSEI Microdata Access Grant for the project “Life with dementia” (main applicant; €7,500)

- 2022 European Union Horizon Europe grant for the project “Flexible Approaches to Support Health through financing” (Work package lead, with P Pertile, C Nicodemo, P Bertoli et al.)
- 2022 EUR/EMC/TU Delft Convergence Flagship call for the project “A Lifecourse and Individual-based View on Lifestyle to Enhance health (ALIVE)” (Work package lead, with A Luik, J Kraal, T Voortman, B Wouterse et al.)
- 2022 ZonMw Multidisciplinaire consortia onderzoeksprogramma dementia for the project “Innovatief en uniek onderzoeksprogramma voor jonge mensen met een dementie en hun naasten (YOD-Included)” (Total: €6,236,847; EUR: €38,673; co-applicant, with R Koopmans, C Bakker, Y Pijnenburg et al.)
- 2022 ZonMw call “Oversterfte in Nederland in de periode 2020-2021” for the project Determinants of excess mortality rates in nursing homes (€49,891; co-applicant, with M Bär, J Bom, B Wouterse)
- 2021 EUR Trustfonds for the project “Life with dementia” (€300,000; lead applicant, with B. Wouterse, J. van Exel)
- 2020 Netspar Topicality Grant for the project “Modellering sterfte- en arbeidsongeschiktheidskansen” (€20,000; co-applicant, with P. van Baal, B. Wouterse, J. van Exel)
- 2019 NWO Open competition Social Sciences and Humanities for the project “Optimizing long-term care provision” (€329,247; co-applicant, with E. van Doorslaer, B. Wouterse)
- 2019 Researcher-of-the-year Award. Erasmus School of Health Policy & Management
- 2018 EUR Fellowship, 2018 (€135,000)
- 2015 Netspar Large Vision Grant for the project: “Optimal saving and insurance for old age: the role of public long-term care insurance” (€500,000; co-applicant, with E. van Doorslaer, E. Schut et al.)
- 2015 Travel grant to attend the RAND Summer Institute
- 2014 National Institute for Public Health and the Environment Strategic Programme Grant for the project: “Estimating long-term care reform effects using imputation based on multiple health data sources” (€329,000; co-applicant, with A. Wong and B. Wouterse).
- 2009 Grant for Innovative and Interdisciplinary Dissertation Research. Institute of Health Policy & Management
- 2007 Scholarship granted by the Fulbright Foundation and the Netherlands America Foundation for postgraduate studies in the US.

TEACHING

Current

- 2015-2025 Economics of Health and Health Care (MSc level)
- 2012-2025 Thesis supervisor and co-evaluator (MSc level)
- 2023-2025 Thesis coordinator (MSc level)

Past

I have been involved in courses on microeconomics, health economics, population ageing and applied microeconometrics at the Erasmus School of Health Policy & Management (undergraduate and graduate) Erasmus School of Economics (undergraduate), Erasmus Medical Center (undergraduate), Leiden University Medical Center (postgraduate), Radboud University (undergraduate) as a lecturer and/or teaching assistant.

EDUCATION

2015	PhD in Health Economics	Erasmus University, Rotterdam
2010	MSc in Health Economics, Policy & Law	Erasmus University, Rotterdam
2008	MA in Economics	Boston University, Boston, USA
2007	BSc in Economics	Radboud University, Nijmegen
2007	BSc in Public Administration	Radboud University, Nijmegen

OTHER

Supervision of PhD students

Ius promovendi awarded March 2024.

- Stijn Coremans
- Dyllis de Pessemier
- Prithviraj Basu Mallik
- Gaia Bagnasco (graduating 2026)
- Leonoor Gräler (graduated 2024)
- Marlies Bär (graduated 2024)
- Judith Bom (graduated 2021)
- Sara Rellstab (graduated 2020)

Professional activities

Memberships:

- 2009 – current Netspar Research Fellow (Partner Research Council member since 2024)
- 2023 – current Young Erasmus Academy
- 2024 – current member of NWO SSH Roundtable Behavior, Education and Economics
- 2021-2022 Dutch Journal of Medicine (NTVG) panel on deimplementation of health care services, including articles about preventing admissions for neonatal hypoglycemia (2021), tonsillectomy and adenoidectomy (2021) and stop smoking services (2021).

Organization:

- 2025 – current Health and Labour Seminar series organizer
- 2020 – 2025 Tinbergen Institute Health Economics Seminar series organizer
- 2019 Co-organizer annual congress Dutch Health Economics Association

Contract research:

- 2026 National Institute for Public Health and the Environment (RIVM). Waiting list dynamics for long-term care for the elderly
- 2025 Ministry of Finance and Ministry of Health, Welfare and Sports. Informal help
- 2023 Ministry of Health, Welfare and Sports. Behavioral responses to health financing reforms
- 2021-2026 Ministry of Health, Welfare and Sports. National Dementia Registry
- 2021 Dutch Health Care Authority (NZa). Review of the long-term care budget prediction methods.
- 2019 Organisation for Economic Cooperation and Development (OECD). Pricing in long-term care
- 2015-2018 CPB Netherlands Bureau for Economic Policy Analysis. Incentives in Long-Term Care
- 2015 National Institute for Public Health and the Environment (RIVM). Estimating long-term care reform effects using multiple imputation

2012-2013 National Institute for Public Health and the Environment (RIVM). Impact of medical technology

Reviewing:

Referee for Economics & Human Biology, European Journal of Aging, European Journal of Health Economics, Fiscal Studies, Health Economics, Health Policy, Health Services Research, International Journal of Health Economics and Management, Journal of Applied Econometrics, Journal of the Economics of Ageing, Journal of Economic Behavior and Organization, Journal of Health Economics, Journal of Population Economics, Journal of Public Economics, PLOS ONE, Review of Economics of the Household and Social Science and Medicine.

Ad-hoc reviewer for Swiss National Science Foundation, Croatian Science Foundation.

Media:

- EURcast podcast: Hoe blijft de zorg betaalbaar? ([Spotify link](#), [Apple link](#))
- TEDx Erasmus University Rotterdam 2019: How to talk about health care costs ([YouTube link](#));
- NPO (AVROTROS), Ouderenzorg: de taboes op tafel ([NPO Start link](#));
- Cited in articles in national and international media

Presentations (last 5 years):

2026: DIW Berlin (scheduled), University of Hamburg (scheduled)

2025: King's College London, Free University Berlin, Dutch Association of Nursing Home Physicians

2024: European Commission Joint Research Centre Ispra; Erasmus Medical Center (public health); COMPIE conference; Erasmus Medical Center (epidemiology);

2023: University of Oxford, Dutch Network of Memory Clinics; Université Paris Dauphine-PSL

2022: Università della Svizzera italiana, Lugano; NBER International Long-Term Care Meeting