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SUMMARY

I am Executive Director of the Max Planck Institute for Demographic Research and Professor of Social Statistics at the University of Helsinki. I joined the MPIDR from the London School of Economics where I served as Full Professor of Demography, and where I continue to work as Research Professor and lead my research group that is funded by an ERC starting grant. My training includes a PhD in Demography from the University of Pennsylvania and a PhD in Statistics from the University of Helsinki. Most of my research is on demographic forecasting, population health, fertility trends, and social statistics.

ACADEMIC POSITIONS

2016—	Professor of Social Statistics, University of Helsinki
2015—	Executive Director, Max Planck Institute for Demographic Research (MPIDR)
2015—	Head of the Laboratory of Population Health, MPIDR
2015—	Head of the Laboratory of Fertility and Well-being, MPIDR
2015—	Professorial Research Fellow, London School of Economics
2013—2015	Professor of Demography (with tenure), London School of Economics
2014—2015	Head of the London School of Economics Population Cluster
2014—2015	Co-Director, LSE MSc Programme Health, Population and Society
2013—	Docent in Demography and Statistics, University of Helsinki
2011—	Chair of the research panel Pathways to Health International Union for the Scientific Study of Population (IUSSP)
2009—2013	Head of the Max Planck Research Group “Life-course Dynamics and Demographic Change”, MPIDR. Position W2 (Associate Professor)

EDUCATION

2009	PhD in Demography, University of Pennsylvania, USA Dissertation: Essays on Mortality and the Life Course Dissertation committee: Samuel Preston, Virginia Chang, Irma Elo
2007	PhD in Statistics, University of Helsinki, Finland Dissertation: Generalized Regression Estimation for Domain Class Frequencies Dissertation supervisor: Risto Lethonen
2005	MA in Economics, University of Helsinki, Finland
2005	MA in Statistics, University of Jyväskylä, Finland
2003	Visiting Student, Faculty of Mechanics and Mathematics, Moscow State University

PUBLICATIONS

Peer reviewed articles

- 2017** Goisis, Alice, Berkay Özcan and Mikko Myrskylä. "Decline in the negative association between low birth weight and cognitive ability". *Proceedings of the National Academy of Sciences*, 114(1), 84-88.
- Vogt, Tobias C., Alyson A. van Raalte, Pavel Grigoriev, and Mikko Myrskylä. "German East-West mortality difference: two cross-overs driven by smoking". Forthcoming, *Demography*
- Goisis, Alice, Daniel Schneider and Mikko Myrskylä. "The reversing association between advanced maternal age and child cognitive development: Evidence from three UK birth cohorts." Forthcoming, *International Journal of Epidemiology*
- Goisis, Alice, Hanna Remes, Kieron Barclay, Pekka Martikainen and Mikko Myrskylä. "Advanced maternal age not an independent risk factor for low birth weight or preterm birth." Forthcoming, *American Journal of Epidemiology*
- 2016** Barclay, Kieron, Mikko Myrskylä, Per Tynelius, Daniel Berglind, Finn Rasmussen. "Birth order and hospitalization for alcohol and narcotics use in Sweden." *Drug and Alcohol Dependence* 167: 15-22 (2016)
- Barclay, Kieron, and Mikko Myrskylä. "Advanced Maternal Age and Offspring Outcomes: Reproductive Aging and Counterbalancing Period Trends." *Population and Development Review* 42.1 (2016): 69-94.
- Barclay, Kieron and Mikko Myrskylä. "Linear Effects of Maternal Age and Period Trends Cannot Be Distinguished – Reply from Barclay and Myrskylä". Response to a comment from Neils Keiding and Per Kragh Andersen *Population and Development Review* 42.1 (2016)
- Barclay, Kieron and Mikko Myrskylä. "Maternal age and offspring health and health behaviours in late adolescence in Sweden", *Social Science and Medicine - Population Health* 2: 68-76 (2016)
- Margolis, Rachel and Mikko Myrskylä. "Children's Sex and the Happiness of Parents" *European Journal of Population* Vol. 32(3): 403-420
- Barclay, Kieron, Katy Keenan, Emily Grundy, Martin Kolk and Mikko Myrskylä. "Reproductive history and post-reproductive mortality: a sibling comparison analysis using Swedish register data", *Social Science and Medicine* 155: 82-92 (2016)
- 2015** Myrskylä, Mikko, Alain Gagnon and Tommy Bengtsson. "Pathways to Health and Well-being" Introduction to the *Social Science & Medicine* Special Issue on Pathways to Health, Vol. 119, 175-179 (doi: 10.1016/j.socscimed.2014.09.031)
- Margolis, Rachel and Mikko Myrskylä. "Parental well-being surrounding first birth as a determinant of further parity progression" *Demography* 52(4):1147–1166 (DOI 10.1007/s13524-015-0413-2)

Leinonen Taina, Pekka Martikainen and Mikko Myrskylä. "Working life and retirement expectancies at age 50 by social class: period and cohort trends and projections for Finland" Advance Access publication November 11, 2015, *Journals of Gerontology, Series B: Social Sciences* (doi:10.1093/geronb/gbv104)

Santavirta, Torsten and Mikko Myrskylä. "Reproductive Behavior Following Evacuation to Foster Care during World War II." *Demographic Research*, <http://www.demographic-research.org/Volumes/Vol33/1/> (DOI: 10.4054/DemRes.2015.33.1)

Barclay, Kieron and Mikko Myrskylä. "Birth order and physical fitness in early adulthood: Evidence from Swedish military conscription data", *Social Science & Medicine* (2014) Vol. 123, 141-148 (doi:10.1016/j.socscimed.2014.11.007)

Fox, Jonathan and Mikko Myrskylä. "Urban Fertility Responses to Local Government Programs: Evidence from the 1923-1932 U.S.", *Demographic Research*, 32(16), 487-532.

van Raalte, Alyson, Pekka Martikainen and Mikko Myrskylä. "The role of smoking on mortality compression: an analysis of Finnish occupational social classes, 1971-2010", *Demographic Research*, 32(20), 589-620.

2014 Myrskylä, Mikko and Rachel Margolis. "Happiness: Before and After the Kids" *Demography*, 51(5), 1843-1866 (doi: 10.1007/s13524-014-0321-x)

Jessica Nisén, Pekka Martikainen, Karri Silventoinen and Mikko Myrskylä. "Age-specific fertility by educational level in the Finnish male cohort born 1940-50" *Demographic Research* 31(5), 119-136

Myrskylä, Mikko, Irma T. Elo, Iliana Kohler and Pekka Martikainen. "The association between advanced maternal and paternal age and increased adult mortality is explained by early parental loss" *Social Science and Medicine*, Vol. 119, 215-223 (doi: <http://dx.doi.org/10.1016/j.socscimed.2014.06.008>)

Schmertmann, Carl, Emilio Zagheni, Joshua R. Goldstein and Mikko Myrskylä. "Bayesian Forecasting of Cohort Fertility" *Journal of the American Statistical Association* 109(506), 500-513 (doi: 10.1080/01621459.2014.881738)

van Raalte, Alyson, Pekka Martikainen and Mikko Myrskylä. "Lifespan Variation by Occupational Class: Compression or Stagnation Over Time?" *Demography*, 51(1), 73-95 (doi: 10.1007/s13524-013-0253-x)

Martikainen, Pekka, Riina Peltonen, Pia Mäkelä, Mikko Myrskylä. "Income Differences in Life Expectancy : The Changing Contribution of Harmful Consumption of Alcohol and Smoking." *Epidemiology* 25 (2). 182-190 (doi: 10.1097/EDE.0000000000000064)

Jessica Nisen, Karri Silventoinen, Mikko Myrskylä and Pekka Martikainen. "Effect of family background on the educational gradient in lifetime fertility of Finnish women born 1940-50" *Population Studies*, 68(3), 321-337(doi: 10.1080/00324728.2014.913807)

Moustgaard, Heta, Kaisla Joutsenniemi, Mikko Myrskylä and Pekka Martikainen. "Antidepressant Sales and the Risk for Alcohol-Related and Non-Alcohol-Related Suicide in Finland—An Individual-Level Population Study" *PLoS ONE*, 9(6): e98405. (doi:10.1371/journal.pone.0098405)

Torre, Roberta and Mikko Myrskylä. "Income inequality and population health: An analysis of panel data for 21 developed countries, 1975-2006." *Population Studies* Vol. 68, No. 1, 1–13 (doi:10.1080/00324728.2013.856457)

Willführ, Kai and Mikko Myrskylä. "Disease Load at Conception Predicts Survival in Later Epidemics in a Historical French-Canadian Cohort, Suggesting Functional Trans-Generational Effects in Humans." *PLoS ONE* 9 (4). e93868 (doi: 10.1371/journal.pone.0093868)

2013 Elo, Irma T, Pekka Martikainen and Mikko Myrskylä. "Socioeconomic status across the life course and all-cause and cause-specific mortality in Finland." *Social Science & Medicine* Vol.119, 198-206 (2013) (doi: 10.1016/j.socscimed.2013.11.037)

Myrskylä, Mikko, Joshua R. Goldstein, and Yen-hsin Alice Cheng. "New Cohort Fertility Forecasts for the Developed World: Rises, Falls, and Reversals" *Population and Development Review* 39(1): 31–56 (March 2013) (doi: 10.1111/j.1728-4457.2013.00572.x)

Myrskylä, Mikko and Rembrandt Scholz. "Reversing East-West mortality difference among German women, and the role of smoking" *International Journal of Epidemiology* (2013) 42 (2):549-558 (doi: 10.1093/ije/dyt008)

Myrskylä, Mikko, Neil K. Mehta and Virginia W. Chang. "Early Life Exposure to the 1918 Influenza Pandemic and Old-Age Mortality by Cause of Death." *American Journal of Public Health* (July 2013), 103:7, e83-e90 (doi: 10.2105/AJPH.2012.301060)

Myrskylä, Mikko, Karri Silventoinen, Per Tynelius and Finn Rasmussen. "Is Later Better or Worse? Association of Advanced Parental Age With Offspring Cognitive Ability Among Half a Million Young Swedish Men." *American Journal of Epidemiology* (2013) 177 (7): 649-655, March 6, 2013 (doi: 10.1093/aje/kws237)

Myrskylä, Mikko. "Commentary: Maternal education accentuates girls' mortality advantage over boys" *International Journal of Epidemiology* (2013), 42(1): 219–220; (doi:10.1093/ije/dys243)

Myrskylä, Mikko and Joshua R. Goldstein. "Probabilistic Forecasting Using Stochastic Diffusion Models, with Applications to Cohort Processes of Marriage and Fertility." *Demography* (2013) 50(1): 237–260 (doi: 10.1007/s13524-012-0154-4)

Myrskylä, Mikko, Karri Silventoinen, Aline Jelenkovic, Per Tynelius and Finn Rasmussen. "The association between height and birth order: evidence from 652,518 Swedish men." *Journal of Epidemiology and Community Health* (2013) 67:7, 571-7 (doi: 10.1136/jech-2012-202296)

- Margolis, Rachel and Mikko Myrskylä. "Family, money, and health: Regional differences in the determinants of life satisfaction over the life course" *Advances in Life Course Research*, 18:2, 115–126, (doi: <http://dx.doi.org/10.1016/j.alcr.2013.01.001>)
- Willführ, Kai and Mikko Myrskylä. "Phenotype-environment mismatch due to epigenetic inheritance? Programming the offspring's epigenome and the consequences of migration" *American Journal of Human Biology*, 25, 318–328 (doi: [10.1002/ajhb.22362](https://doi.org/10.1002/ajhb.22362))
- Silventoinen, Karri, Mikko Myrskylä, Per Tynelius, Yoshie Yokoyama and Finn Rasmussen. "Social Modifications of the Multiple Birth Effect on IQ and Body Size: a Population-Based Study of Young Adult Males" *Paediatric and Perinatal Epidemiology* Jul;27(4):380-7. (doi: [10.1111/ppe.12054](https://doi.org/10.1111/ppe.12054). Epub 2013 Apr 15)
- Jelenkovic, Aline, Karri Silventoinen, Per Tynelius, Mikko Myrskylä and Finn Rasmussen. "Association of Birth Order with Cardiovascular Disease Risk Factors in Young Adulthood: A Study of One Million Swedish Men." *PLoS One* 8(5): e63361. (doi: [10.1371/journal.pone.0063361](https://doi.org/10.1371/journal.pone.0063361))
- 2012** Myrskylä, Mikko and Andrew Fenelon. "Maternal Age and Offspring Adult Health: Evidence from the Health and Retirement Study." *Demography* (2012), Volume 49, Issue 4, pp 1231-1257 (doi:[10.1007/s13524-012-0132-x](https://doi.org/10.1007/s13524-012-0132-x))
- Barthold, Julia, Mikko Myrskylä and Owen R. Jones. "Childlessness drives the sex difference in the association between income and reproductive success of modern Europeans." *Evolution and Human Behavior* 33 (2012) 628–638 (doi: [10.1016/j.evolhumbehav.2012.03.003](https://doi.org/10.1016/j.evolhumbehav.2012.03.003))
- 2011** Margolis, Rachel and Mikko Myrskylä. "A Global Perspective on Happiness and Fertility." *Population and Development Review* 37:1, p. 29-56 (doi: [10.1111/j.1728-4457.2011.00389.x](https://doi.org/10.1111/j.1728-4457.2011.00389.x))
- 2010** Myrskylä, Mikko. "The Relative Effects of Shocks in Early- and Later-Life Conditions on Mortality." *Population and Development Review*, 36:4, p. 803–829 (doi: [10.1111/j.1728-4457.2010.00358.x](https://doi.org/10.1111/j.1728-4457.2010.00358.x))
- Myrskylä, Mikko. "The effects of shocks in early life mortality on later life expectancy and mortality compression: A cohort analysis." *Demographic Research* 22: 289-320 (doi: [10.4054/DemRes.2010.22.12](https://doi.org/10.4054/DemRes.2010.22.12))
- 2009** Myrskylä, Mikko and Virginia W. Chang. "Initial BMI, Weight Change, and Mortality among Middle- and Older-Aged Adults." *Epidemiology*, 20:6, 840-848 (doi: [10.1097/EDE.0b013e3181b5f520](https://doi.org/10.1097/EDE.0b013e3181b5f520))
- Lynch, Julia and Mikko Myrskylä. "Always the Third Rail? Pension Income and Policy Preferences in European Democracies." *Comparative Political Studies* 42:8, 1068-1097 (doi: [10.1177/0010414009331722](https://doi.org/10.1177/0010414009331722))
- Myrskylä, Mikko, Hans-Peter Kohler and Francesco C. Billari. "Advances in development reverse fertility declines." *Nature*, 460, 741-743 (6 August 2009; doi: [10.1038/nature08230](https://doi.org/10.1038/nature08230))

Monographs

- 2009 Myrskylä, Mikko. "Essays on Mortality and the Life Course." (monograph) PhD dissertation in Demography, University of Pennsylvania
- 2007 Myrskylä, Mikko. "Generalized regression estimation for domain class frequencies." (monograph) Statistics Finland Research Reports 247, and PhD dissertation in Statistics, University of Helsinki

Edited volumes

Guest editor of a *Social Science and Medicine* Special Issue "Pathways to Health", together with the Tommy Bengtsson (Lund University) and Alain Gagnon (University of Montreal). This Special Issue is based on the IUSSP conference Pathways to Health that we organized in collaboration with the Institute for the Study of Societal Issues at the University of California, Berkeley, in May 1-2 2012.

Other publications (selected)

- 2016 Myrskylä, Mikko. "Early life conditions and later life health" Forthcoming in: *Demographic Studies on Survival and Health* (Edited by Vladimir Shkolnikov)
- 2013 Myrskylä, Mikko, Leinonen, Taina and Pekka Martikainen. "Life expectancy by labor force status and social class: Recent period and cohort trends and projections for Finland" Finnish Centre for Pensions Working Paper 02/2013
- 2011 Myrskylä, Mikko. "Kyllä se siitä – iän myötä." (in English: Parenthood gets better with age). *Tieto&Trendit* 1/2011, Statistics Finland
- 2010 R. Lehtonen, A. Veijanen, M. Myrskylä and M. Valaste: Challenges in small area estimation of poverty indicators. International Conference on Indicators and Survey Methodology Department of Statistics and Probability Theory Vienna University of Technology (February 8, 2010) February 24-26, 2010
- 2010 Myrskylä, Mikko: "Elämme toistakymmentä vuotta elinajanodotetta pidempään." (in English: We live more than ten years longer than expected). *Tieto&Trendit* 1/2010, Statistics Finland
- 2009 Risto Lehtonen, Mikko Myrskylä and Ari Veijanen. Preliminary results on bias and accuracy of estimators of selected Laeken indicators for domains and small areas. 3rd AMELI Workshop, 4-5 June 2009, Olten, Switzerland
- 2007 Lehtonen, Risto, Mikko Myrskylä, Carl-Erik Särndal, and Ari Veijanen. "Estimation for Domains and Small Areas Under Unequal Probability Sampling." Invited paper, the SAE2007 Conference, Pisa, September 2007. CD-ROM
- 2006 Myrskylä, Mikko. "Calibration vs. model-assisted estimation in unemployment estimation." (in Finnish). Yearbook of the Finnish Statistical Society 2005, Helsinki University Press

- 2006 Lehtonen, Risto, Mikko Myrskylä, Carl-Erik Särndal, and Ari Veijanen. "Model-assisted and model-dependent estimation for domains and small areas under unequal probability sampling." Proceedings of the 9th International Vilnius Conference on Probability Theory and Mathematical Statistics. June 25-30, 2006, Vilnius, Lithuania
- 2005 Myrskylä, Mikko. "When is logistic GREG more accurate than linear GREG?" Proceedings of the 9th Workshop on Survey Sampling Theory and Methodology, Vilnius, Lithuania.
- 2005 Myrskylä, Mikko. "Model-assisted estimation of employment, unemployment and unemployment rate." (in Finnish) Master's thesis in economics, University of Helsinki
- 2004 Myrskylä, Mikko. "Estimation of class frequencies with micro level auxiliary information." Master's thesis in statistics, University of Jyväskylä
- 2002 Myrskylä, Mikko in collaboration with a large working group: "Follow-up report on the National Programme on Ageing Workers for the year 2002" Working Group Memorandums of the Ministry of Social Affairs and Health 2002:15
- 2001 Myrskylä, Mikko in collaboration with a large working group: "Follow-up report on the National Programme on Workers for the year 2001" Working Group Memorandums of the Ministry of Social Affairs and Health 2001:17
- 2000 Myrskylä, Mikko in collaboration with a large working group: "Older workers in the labour market and outside" Working Group Memorandums of the Ministry of Social Affairs and Health 2000:15
- 2000 Sihto, Matti and Mikko Myrskylä. "Different kinds of unemployed in different kinds of statistics." (in Finnish) Kansantaloudellinen aikakauskirja 4/2000.
- 1999 Myrskylä, Mikko in collaboration with a large working group: "Evaluation Report on the National Programme on Ageing Workers for the year 1998" Ministry of Labor Research Reports 229.
- 1999 Sihto, Matti and Mikko Myrskylä. "Two ways to measure employment." (in Finnish) Hyvinvointikatsaus 3/1999

FELLOWSHIPS AND GRANTS

- 2017 – 2020 PI, Kone Foundation; with Torsten Santavirta (co-PI)
Project: Intergenerational effects of the 1918 Finnish Civil War
Amount: 282,000 EUR over 4 years
- 2014 – 2019 PI, European Research Council Starting Grant
Project: "Costs and Gains to Postponement: How Changes in the Age of Parenthood Influence the Health and Well-being of Children, the Parents, and Populations (COSTPOST)"

Amount: 1,305,600 EUR over 5 years

- 2015 – 2016 Co-PI, NIH R24 Network Pilot Grant, with Neil Mehta, Emory University Project: “Contribution of Health Behaviours to International and Educational Differences in Female Health Expectancies”
Amount: 13,500 USD
- 2013 – 2018 PI, Swedish Knut and Alice Wallenberg Foundation Fellowship to study the causes and consequences of low and late fertility at the Stockholm University, 7,500,000 SEK (approximately 850,000 EUR) over 5 years (Declined)
- 2009 – 2013 PI, 1,400,000 EUR grant from the Max Planck Society to establish and lead my research group Life Course Dynamics and Demographic Change at the Max Planck Institute for Demographic Research in Rostock, Germany
- 2008 Teece Dissertation research fellowship for a study visit to Germany
- 2007, 2008 Fulbright travel grant
- 2006, 2007 Barbara and Edward Netter scholarship for PhD studies
- 2006-2008 Ella and Georg Ehrnrooth Foundation Grant for PhD studies
- 2006-2008 Finnish Cultural Foundation Grant for PhD studies
- 2006 Fulbright graduate grant for PhD studies
- 2006 League of Finnish-American Societies’ scholarship for PhD studies
- 2005 Finnish School of Statistical Information, Inference, and Data Analysis research grant for Statistics PhD

PROFESSIONAL ACTIVITIES

Member of:

Population Association of America (2006-), European Association for Population Studies (2008-), International Union for the Scientific Study of Population (2008-), The Finnish Demographic Society (2014-), Finnish Statistical Society (2004-)

Other

Editor of the journal Population Studies (2013-); Chair of the International Union for the Scientific Study of Population Research Panel Pathways to Health (2011-); Organizer or Co-Organizer of several international seminars, including the Small Area Estimation Conference in Jyväskylä, Finland (2005), Pathways to Health and Well-Being Seminar in Berkeley, CA (2012), the Alpine Population Conference in La Thuile, Italy (2013), Pathways to Health and Well-Being Seminar in Lund, Sweden (2014)

SELECTED MEDIA COVERAGE

Margolis, Myrskylä (2015) “Parental well-being surrounding first birth as a determinant of further parity progression” *Demography* 52:1147–1166:

The Washington Post, 11.08.2015; Time Magazine, 06.08.2015; The Independent, 07.08.2015; Die Welt, 07.08.2015; The Daily Mail, 06.08.2015; Der Standard, 05.08.2015; Süddeutsche Zeitung, 05.08.2015; Frankfurter Allgemeine Zeitung, 14.08.2015

Myrskylä, Margolis. (2014) “Happiness: Before and After the Kids” *Demography*, 51(5):

The New York Times, 30.10.2014; The New York Times, 04.03.2015; USA Today, 05.06.2012; The Independent, 28.10.2014; Süddeutsche Zeitung, 06.02.2014; The Times of India, 30.10.2014

Myrskylä, Goldstein, Cheng (2013). “New Cohort Fertility Forecasts for the Developed World: Rises, Falls, and Reversals” *Population and Dev. Review* 39(1): 31–56

The Economist, 25.07.2015; The Economist, 10.09.2013; Die Zeit, 21.03.2013; Frankfurter Allgemeine Zeitung, 22.03.2013; The Japan Times, 23.01.2015

Myrskylä, Scholz. (2013) “Reversing East-West mortality difference among German women, and the role of smoking” *Int. J. of Epidemiology* (2013) 42 (2):549-558

Die Welt, 09.07.2013; Der Spiegel, 15.04.2013; Handelsblatt, 10.07.2013

Myrskylä, Fenelon. “Maternal Age and Offspring Adult Health: Evidence from the Health and Retirement Study.” *Demography* (2012), 49(4), pp 1231-1257

Süddeutsche Zeitung, 20.10.2012; Berliner Morgenpost, 09.10.2012; Psychology Today, 06.09.2012; Die Welt, 20.04.2015; Die Welt, 08.10.2012; Fox News, 07.09.2012; The Daily Mail, 07.09.2012

Margolis, Myrskylä (2011) “A Global Perspective on Happiness and Fertility.” *Population and Development Review* 37:1, p. 29-56

The Washington Post 07.07.2010; The New York Times, 07.04.2011; USA Today, 05.05.2012; Le Monde, 23.09.2011; Süddeutsche Zeitung, 29.05.2013; Die Welt; 08.03.2011; The Sydney Morning Herald, 19.05.2012; Population Europe, 23.06.2011; The Daily Mail, 09.03.2011

Myrskylä, Kohler, Billari. (2009) “Advances in development reverse fertility declines.” *Nature*, 460, 741-743:

The Economist, 06.08.2009; The New York Times, 06.08.2009; Neue Zürcher Zeitung, 04.01.2010; Der Standard, 05.08.2009; also Wikipedia http://en.wikipedia.org/wiki/Demographic_transition