

Mikko Myrskylä

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SUMMARY

I am Executive Director of the Max Planck Institute for Demographic Research and Professor of Social Data Science at the University of Helsinki. I joined the MPIDR from the London School of Economics where I served as Full Professor of Demography. 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 work is on population health, fertility dynamics, labor demography, and statistical forecasting.

ACADEMIC POSITIONS

2015— Executive Director, Max Planck Institute for Demographic Research (MPIDR)
2014— Director, Max Planck Institute for Demographic Research (MPIDR)
2016— Professor of Social Data Science, University of Helsinki
2015— Head of the Laboratory of Population Health, MPIDR
2015— Head of the Laboratory of Fertility and Well-being, MPIDR
2015—2019 Professorial Research Fellow, London School of Economics
2013—2015 Professor of Demography (with tenure), London School of Economics
2013— Docent in Demography and Statistics, University of Helsinki
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 Lehtonen
2005 MSocSc in Economics, University of Helsinki, Finland
2005 MSc in Statistics, University of Jyväskylä, Finland
2003 Visiting Student, Faculty of Mechanics and Mathematics, Moscow State University

PUBLICATIONS

Peer reviewed articles

- 2020** NK Mehta, LR Abrams, M Myrskylä “US life expectancy stalls due to cardiovascular disease, not drug deaths” *Proceedings of the National Academy of Sciences* 117 (13), 6998-7000 (2020)
- Hale, Jo Mhairi; Daniel C. Schneider; Jutta Gampe; Neil K. Mehta; and Mikko Myrskylä “Trends in the Risk of Cognitive Impairment in the United States, 1996–2014” *Epidemiology*, 31 (5), 745
- C Bohk-Ewald, C Dudel, M Myrskylä “A demographic scaling model for estimating the total number of COVID-19 infections” Forthcoming, *International Journal of Epidemiology* (2020)
- JM Hale, DC Schneider, NK Mehta, M Myrskylä “Cognitive impairment in the US: Lifetime risk, age at onset, and years impaired” *SSM-Population Health* (2020), 100577
- P Martikainen, I Elo, L Tarkiainen, J Mikkonen, M Myrskylä, H Moustgaard “The changing contribution of childhood social characteristics to mortality: a comparison of Finnish cohorts born in 1936–50 and 1961–75” *International Journal of Epidemiology* (2020)
- Stelter, Robert; David de la Croix; Mikko Myrskylä “Leaders and Laggards in Life Expectancy among European Scholars from the Sixteenth to the Early Twentieth Century” Forthcoming, *Demography*
- C Dudel, M Myrskylä “Estimating the number and length of episodes in disability using a Markov chain approach” *Population health metrics* 18 (1), 1-9 (2020)
- Nisén, J.; Klüsener, S.; Dahlberg, J.; Dommermuth, L.; Jasilioniene, A.; Kreyenfeld, M.; Lappegård, T.; Li, P.; Martikainen, P.; Neels, K.; Riederer, B.; te Riele, S.; Szabó, L.; Trimarchi, A.; Viciano, F.; Wilson, B.; Myrskylä, M. “Educational differences in cohort fertility across sub-national regions in Europe” *European Journal of Population*, 1-33 (2020).
- Wood, Jonas; Klüsener, Sebastian; Neels, Karel; Myrskylä, Mikko: “Shifting Links in the Relationship between Education and Fertility. Subnational spatial insights from the Belgian case”, *Population, Space and Place*, e2342 (2020)
- Yaoyue Hu, Taina Leinonen, Mikko Myrskylä, Pekka Martikainen. “Changes in Socioeconomic Differences in Hospital Days with Age: Cumulative Disadvantage, Age-as-Leveler, or Both?”, *The Journals of Gerontology: Series B*, 75(6), 1336-1347
- C Dudel, M Myrskylä “Cohort Trends in Working Life Expectancies at Age 50 in the United States: A Register-Based Study Using Social Security Administration Data” *The Journals of Gerontology: Series B* (2020)

J Hellstrand, J Nisén, M Myrskylä “All-time low period fertility in Finland: Demographic drivers, tempo effects, and cohort implications” *Population Studies* (2020), 1-15

J Nisén, JIS Hellstrand, P Martikainen, M Myrskylä ”Hedelmällisyys ja siihen vaikuttavat tekijät Suomessa lähivuosikymmeninä“ *Yhteiskuntapolitiikka* (2020)

Campisi, Nicholas, Hill Kulu, Julia Mikolai, Sebastian Klüsener, and Mikko Myrskylä. "Spatial variation in fertility across Europe: Patterns and determinants." *Population, Space and Place*: e2308.

A Lorenti, C Dudel, JM Hale, M Myrskylä “Working and disability expectancies at old ages: the role of childhood circumstances and education” *Social Indicators Research* (2020)

C Dudel, T Riffe, E Acosta, AA van Raalte, M Myrskylä “Monitoring trends and differences in COVID-19 case fatality rates using decomposition methods: Contributions of age structure and age-specific fatality” *PlosOne* (2020)

A Barbuscia, P Martikainen, M Myrskylä, H Remes, E Somigliana, R Klemetti, A Goisis “Maternal age and risk of low birth weight and premature birth in children conceived through medically assisted reproduction. Evidence from Finnish population registers” *Human Reproduction* (2020), 35 (1), 212-220

2019 Govert E. Bijwaard, Per Tynelius & Mikko Myrskylä. “Education, cognitive ability, and cause-specific mortality: A structural approach”, *Population Studies*, 73:2, 217-232, DOI: 10.1080/00324728.2018.1493135

Lorenti, A., Dudel, C. & Myrskylä, M. “The legacy of the great recession in Italy: a wider geographical, gender, and generational gap in working life expectancy”, *Social Indicators Research* (2019), 142: 283. <https://doi.org/10.1007/s11205-018-1910-7>

Bijlsma, Maarten J., Wilson, Ben, Tarkiainen, Lasse, Myrskylä, Mikko, Martikainen, Pekka “The Impact of Unemployment on Antidepressant Purchasing: Adjusting for Unobserved Time-constant Confounding in the g-Formula” *Epidemiology* (2019), 30:3, 388-395. doi: 10.1097/EDE.0000000000000985

Mehta, Neil K., Zheng, Hui, Myrskylä, Mikko, “How do age and major risk factors for mortality interact over the life-course? Implications for health disparities research and public health policy”, *Social Science and Medicine – Population Health* 8 (2019), 100438. <https://doi.org/10.1016/j.ssmph.2019.100438>

Elina Einiö, Alice Goisis, Mikko Myrskylä, “Is the relationship between men's age at first birth and midlife health changing? Evidence from two British cohorts”, *Social Science and Medicine – Population Health* 8 (2019), 100458. <https://doi.org/10.1016/j.ssmph.2019.100458>

Yaoyue Hu, Taina Leinonen, Karen van Hedel, Mikko Myrskylä, Pekka Martikainen “The relationship between living arrangements and higher use of hospital care at middle and older ages: to what extent do observed and unobserved individual characteristics explain this association?”, *BMC Public Health* (2019), 19:1, 1011. 10.1186/s12889-019-7296-x

Alice Goisis, Hanna Remes, Pekka Martikainen, Reija Klemetti, Mikko Myrskylä. “Medically assisted reproduction and birth outcomes: a within-family analysis using Finnish population registers” *The Lancet*, January 14, 2019
[http://dx.doi.org/10.1016/S0140-6736\(18\)31863-4](http://dx.doi.org/10.1016/S0140-6736(18)31863-4)

Barbuscia Anna; Mikko Myrskylä; Alice Goisis. “The psychosocial health of children born after medically assisted reproduction: Evidence from the UK Millennium Cohort Study.” *Social Science and Medicine – Population Health* (2019) Jan 14:100355.

2018 Bohk-Ewald, Christina; Peng Li; Mikko Myrskylä “Forecast accuracy hardly improves with method complexity when completing cohort fertility”, *Proceedings of the National Academy of Sciences* (2018), 115 (37) 9187-9192

Barclay, Kieron; Myrskylä, Mikko: “Parental age and offspring mortality: negative effects of reproductive aging may be counterbalanced by secular increases in longevity.” *Population Studies* (2018), Vol. 72 (2), 157-173

Fox Jonathan F., Sebastian Klüsener, Mikko Myrskylä “Is a positive relationship between fertility and economic development emerging at the sub-national regional level? Theoretical considerations and evidence from Europe.”, *European Journal of Population* (2018)

Christian Dudel, María Andrée López Gómez, Fernando G. Benavides, Mikko Myrskylä “The Length of Working Life in Spain: Levels, Recent Trends, and the Impact of the Financial Crisis” *European Journal of Population* (2018), 34(5), 769-791

Goisis, Alice; Schneider, Daniel C.; Myrskylä, Mikko: “Secular changes in the association between advanced maternal age and the risk of low birth weight: a cross-cohort comparison in the UK.”, *Population Studies* 72 (3), 381-397

van Hedel, Karen, Pekka Martikainen, Heta Moustgaard, Mikko Myrskylä. “Cohabitation and mental health: Is psychotropic medication use more common in cohabitation than marriage?”, *Social Science and Medicine – Population Health* 4. (2018), 244-253

Goisis, Alice, Hanna Remes, Kieron Barclay, Pekka Martikainen, Mikko Myrskylä “Paternal age and the risk of low birth weight and preterm delivery: a Finnish register-based study”, *Journal of Epidemiology & Community Health* (2018) 72(12), 1104-1109

Ruben C. Arslan, Kai P. Willführ, Emma M. Frans, Karin J. H. Verweij, Paul-Christian Bürkner, Mikko Myrskylä, Eckart Voland, Catarina Almqvist, Brendan P.

- Zietsch, and Lars Penke “Relaxed selection and mutation accumulation are best studied empirically: reply to Woodley of Menie et al.”, *Proceedings of the Royal Society B-Biological Sciences* (2018) 285 (1873)
- Ruben C. Arslan, Kai P. Willführ, Emma M. Frans, Karin J. H. Verweij, Paul-Christian Bürkner, Mikko Myrskylä, Eckart Voland, Catarina Almqvist, Brendan P. Zietsch, and Lars Penke “Correction to: reply to Woodley of Menie et al.”, *Proceedings of the Royal Society B-Biological Sciences* (2018) 285 (1884)
- Govert E. Bijwaard, Per Tynelius, Mikko Myrskylä “Education, cognitive ability and cause-specific mortality: a structural approach.” *Population Studies* (2018),
- 2017** Dudel, Christian and Mikko Myrskylä. “Working Life Expectancy at Age 50 in the US and the Impact of the Great Recession”, *Demography* (2017), Vol.54(6): 2101-2123
- Barclay, Kieron; Hällsten, Martin; Myrskylä, Mikko: “Birth order and college major in Sweden.”, *Social Forces* (2017), Vol. 96(2): 629-660
- Mehta, Neil K. and Mikko Myrskylä. “The Population Health Benefits of a Healthy Lifestyle: Life Expectancy Increased And Onset Of Disability Delayed” *Health Affairs* 36.8 (2017): 1495-1502.
- 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”. *Demography* (2017): 1-21.
- Alice Goisis, Hanna Remes, Kieron Barclay, Pekka Martikainen, Mikko Myrskylä “Advanced Maternal Age and the Risk of Low Birth Weight and Preterm Delivery: a Within-Family Analysis Using Finnish Population Registers”, *American Journal of Epidemiology*, (2017), 186(11), 1219–1226
- M Bijlsma, L Tarkiainen, M Myrskylä, P Martikainen “Unemployment and subsequent depression: A mediation analysis using the parametric G-formula” *Social Science and Medicine* 194, 142-150
- M Myrskylä, K Barclay, A Goisis “Advantages of later motherhood” - *Der Gynäkologe* (2017), Vol. 50(10), 767-772
- Ruben C. Arslan, Kai P. Willführ, Emma Frans, Karin J. H. Verweij, Mikko Myrskylä, Eckart Voland, Catarina Almqvist, Brendan P. Zietsch, Lars Penke. “Older fathers' children have lower evolutionary fitness across four centuries and in four populations.”, *Proceedings of the Royal Society B: Biological Sciences* (2017)
- Goisis, Alice, Daniel Schneider and Mikko Myrskylä. “The reversing association between advanced maternal age and child cognitive development: Evidence from

three UK birth cohorts.” *International Journal of Epidemiology* (2017) 46:3, pp 850–859

Nisén, Jessica, Pekka Martikainen, Mikko Myrskylä and Karri Silventoinen. “Education, other socioeconomic characteristics across the life course and fertility among Finnish men” *European Journal of Population* (2017) <https://doi.org/10.1007/s10680-017-9430-8>

Carlos Díaz-Venegas, Daniel C. Schneider, Mikko Myrskylä, Neil K. Mehta. “Life expectancy with and without cognitive impairment by diabetes status among older Americans” *PLoS ONE* 12(12): e0190488. <https://doi.org/10.1371/journal.pone.0190488>

Bijwaard, Govert E., Mikko Myrskylä, Per Tynelius, and Finn Rasmussen. “Educational gains in cause-specific mortality: Accounting for cognitive ability and family-level confounders using propensity score weighting.” *Social Science & Medicine* 184 (2017): 49-56.

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)

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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)

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. 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)

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)

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)

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.)

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)

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)

2009 Myrskylä, Mikko and Virginia W. Chang. “Weight Change, Initial BMI, and Mortality among Middle- and Older-Aged Adults.” *Epidemiology*, 20:6, 840-848 (doi: 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)

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)

Working Papers

J Hellstrand, J Nisén, V Miranda, P Fallesen, L Dommermuth, M Myrskylä “Not just later, but fewer: Novel trends in cohort fertility in the Nordic countries” MPIDR Working Papers (2020), WP-2020-007

HP i Arolas, M Myrskylä, A Lo, E Acosta, GL Casanovas, C Nicodemo, T Riffe “Global years of life lost to COVID-19“ *medRxiv* (2020)

Nisén, J.; Bijlsma, M. J.; Martikainen, P.; Wilson, B.; Myrskylä, M. “The gendered impacts of delayed parenthood on educational and labor market outcomes: a dynamic analysis of population-level effects over young adulthood” *MPIDR Working Paper*, WP-2019-017 (2019).

A Baranowska-Rataj, K Barclay, J Costa-Font, M Myrskylä, B Özcan “Preterm Births and Educational Disadvantage: Heterogeneous Effects Across Families and Schools”, *MPIDR Working Paper*, WP-2019-016

S Loi, J Pitkänen, H Moustgaard, M Myrskylä, P Martikainen “Health of immigrant children: the role of immigrant generation, exogamous family setting, and family material and social resources” *MPIDR Working Papers*, WP-2019-009 (2019).

Barclay, Kieron; Myrskylä, Mikko: “Fertility postponement could reduce child mortality: evidence from 228 demographic and health surveys covering 77 developing countries.” *MPIDR Working Paper* WP-2017-005 (2017).

Myrskylä, Mikko, Hans-Peter Kohler, and Francesco Billari. "High development and fertility: fertility at older reproductive ages and gender equality explain the positive link." *MPIDR Working Paper* WP-2011-017 (2011).

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)

- 2017 Myrskylä, Mikko: „Bessere Aussichten für zarte Babys.“ *Demografische Forschung aus Erster Hand* 14:1, 4-4 (2017).
- 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

KEYNOTE TALKS

- 2019 Human Mortality Database Symposium, Berlin, Germany
- 2019 Finnish Actuarial Society Annual Symposium, Helsinki, Finland
- 2018 Human Fertility Database Symposium, Vienna, Austria
- 2018 ICA 2018 | 31st International Congress of Actuaries, Berlin, Germany
- 2017 Nordic Meeting in Epidemiology and Register-Based Research, Lund, Sweden
- 2017 Nordic Demographic Symposium, Turku, Finland
- 2017 German Statistical Week (meeting of the German statistical and demographic societies), Rostock, Germany
- 2016 Human Fertility Database Symposium, Berlin, Germany
- 2012 Annual meeting of the Population Association of Japan, Osaka, Japan
- 2011 Finnish Statistical Society annual meeting, Helsinki, Finland

FELLOWSHIPS AND GRANTS

- 2019 – 2024 Spokesperson, International Max Planck Research School on Population, Health, and Data Science. Funding for 6 years for a joint doctoral training program with a network of universities.
Amount: 2.4M EUR over 6 years
- 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 Well-being of Children, the Parents, and Populations
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
- 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
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AWARDS

- 2015 The Finnish Academy of Science and Letters Jutikkala Prize for internationally recognized contributions in the humanistic sciences
- 2006 University of Helsinki Faculty of Social Sciences award for the best economics MA thesis in 2005
- 2005 Yrjö Jahnesson Foundation award for an outstanding economics MA thesis
- 2005 Finnish Statistical Society's Leo Törnqvist award for the most outstanding Finnish MA thesis in statistics in 2004. Grade for the thesis: Laudatur.
- 2005 University of Jyväskylä Faculty of Mathematics and Statistics award for the best statistics MA thesis in 2004. Grade for the thesis: Laudatur.
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PROFESSIONAL ACTIVITIES

Member of

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

Other

Publisher of the journal *Demographic Research* (2018-); 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 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), COSTPOST Conference on the Postponement of Parenthood (2018)

SELECTED MEDIA COVERAGE

Alice Goisis, Hanna Remes, Pekka Martikainen, Reija Klemetti, Mikko Myrskylä. "Medically assisted reproduction and birth outcomes: a within-family analysis using Finnish population registers" *The Lancet* (2019).

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Fox, J. F.; Klüsener, S.; Myrskylä, M. "Is a positive relationship between fertility and economic development emerging at the sub-national regional level? Theoretical considerations and evidence from Europe", *European Journal of Population* (2018).

Spiegel Online | May 22, 2018; Frankfurter Allgemeine Zeitung | 17 August 2018

Neil K. Mehta and Mikko Myrskylä. "The Population Health Benefits Of A Healthy Lifestyle: Life Expectancy Increased And Onset Of Disability Delayed" *Health Affairs* 36:8 (2017)

Süddeutsche | July 20, 2017; Frankfurter Allgemeine Zeitung | July 20, 2017; New York Magazine/The Cut | July 21, 2017; Daily Mail online | July 21, 2017; Berliner Zeitung.de | July 21, 2017; Time | July 25, 2017; Frankfurter Allgemeine Zeitung | August 02, 2017

Goisis, Alice, Schneider, Daniel C. and Mikko Myrskylä. "The Reversing Association between Advanced Maternal Age and Child Cognitive Ability: Evidence from Three UK Birth Cohorts." *International Journal of Epidemiology* (2017) Feb 8.

New York Times | Apr 3, 2017; Herald (Glasgow) | Feb 14, 2017; derStandard.at | Feb 15, 2017; The Independent | Feb 15, 2017

Alice Goisis, Hanna Remes, Pekka Martikainen, Kieron Barclay and Mikko Myrskylä; "Advanced Maternal Age and the Risk of Low Birth Weight and Preterm Delivery: a Within-Family Analysis Using Finnish Population Registers" *American Journal of Epidemiology* 186:11 (2017)

Tagesspiegel Online | June 14, 2017; Berliner Morgenpost | October 28, 2017; Hamburger Abendblatt | October 30, 2017

Tobias Vogt, Alyson A. van Raalte, Pavel Grigoriev and M. Myrskylä. "The German East-West Mortality Difference: Two Cross-Overs Driven by Smoking" *Demography* 54:3 (2017)

Welt online | May 10, 2017; Süddeutsche Zeitung | May 11, 2017; Norddeutsche Neueste Nachrichten | May 11, 2017; Ostsee-Zeitung | May 11, 2017;

Alice Goisis, Berkan Özcan, Mikko Myrskylä. "Decline in the negative association between low birth weight and cognitive ability" *Proceedings of the National Academy of Sciences* 114:1 (2017)

Welt online | April 12, 2017; Zeit online | April 12, 2017

Kieron Barclay, Martin Hällsten, Mikko Myrskylä: "Birth order and college major in Sweden.", *Social Forces* 96:2 (2017)

Neue Zürcher Zeitung | November 14, 2017; Zeit online | November 14, 2017; derStandard.at | November 15, 2017; Welt | November 17, 2017; Frankfurter Allgemeine Zeitung | November 18, 2017

Kieron Barclay and Mikko Myrskylä. "Advanced Maternal Age and Offspring Outcomes: Causal Effects and Countervailing Period Trends" *Pop. and Dev. Review*, 42:1 (2016)

Spiegel Online | August 21, 2019; ZEIT online | Apr 11, 2016; derStandard.at | Apr 11, 2016; Galileo.tv | Apr 19, 2016; The Telegraph | Apr 14, 2016; Berliner Morgenpost | Apr 12, Die Welt online | Apr 12, 2016; n-tv.de | Apr 11, 2016;

Süddeutsche Zeitung | Apr 11, 2016; Tages-Anzeiger.ch | Apr 11, Neue Osnabrücker Zeitung | Apr 11, 2016

Margolis, Rachel and Mikko Myrskylä. "Parental Well-Being Surrounding First Birth as a Determinant of Further Parity Progression" *Demography*, 42:4 (2015 August)

Frankfurter Allgemeine Zeitung online | March 13, 2019; Süddeutsche Zeitung online | March 14, 2019; The Economist | Jul 25, 2015; Time | Aug 6, 2015; washingtonpost.com | Aug 11, 2015; Welt online | Aug 10, 2015; Welt online | Aug 6, 2015; ZEIT online | Sep 9, 2015; Frankfurter Allgemeine Zeitung | Aug 5, 2015, Aug 14, 2015, Sep 16, 2016; Hamburger Abendblatt | Aug 6, 2015; Independent | Aug 5, 2015; Spiegel | Aug 14, 2015; La Stampa | Aug 6, 2015; Der Standard.at | Aug 5, 2015; Süddeutsche Zeitung | Aug 6, 2015, Aug 26, 2015

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

New York Times | Oct 30, 2014, 04.03.2015; Times of India | Oct 30, 2014; Washington Post | Oct 26, 2014; The Telegraph | Oct 28, 2014; Bild.de | Jul 7, 2015; Handelsblatt.com | Jul 6, 2015; Hannover Allgemeine Zeitung | Jan 15, 2015; Independent | Oct 28, 2014

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

The Economist | Jul 25, 2015, Sep 10, 2013; Die Zeit | Mar 21, 2013; Frankfurter Allgemeine Zeitung | Mar 22, 2013; The Japan Times | Jan 23, 2015

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

Die Welt | Jul 09, 2013; Der Spiegel | Apr 15, 2013; Handelsblatt | Jul 10, 2013

Myrskylä, Mikko and Andrew Fenelon. "Maternal Age and Offspring Adult Health: Evidence from the Health and Retirement Study." *Demography* 49:4 (2012)

Die Welt | Apr 20, 2015, Oct 8, 2012; Welt online | Apr 20, 2015, Apr 19, 2015; Psychology Today | Sep 6, 2012; Süddeutsche Zeitung, Oct 20, 2012; Berliner Morgenpost, Oct 09, 2012; Psychology Today, Sep 6., 2012; Fox News | Sep 7, 2012; The Daily Mail | Sep 7, 2012

Margolis, Rachel, and Mikko Myrskylä. "A Global Perspective on Happiness and Fertility." *Population and Development Review*, doi: 10.1111/j.1728-4457.2011.00389.x.

The Washington Post | Jul 7, 2010; The New York Times | Apr 7, 2011; USA Today | May 5, 2012; Le Monde | Sep 23, 2011; Süddeutsche Zeitung | May 29, 2013; Die Welt | Mar 8, 2011; The Sydney Morning Herald | May 19, 2012; The Daily Mail |

Mar 9, 2011; Berliner Zeitung | Jun 3, 2011; Hamburger Abendblatt | Sep 9, 2011;
Focus online | Mar 7, 2011; USA Today | May 5, 2012; Welt online | Mar 8, 2011

Myrskylä, Mikko, Hans-Peter Kohler and Francesco C. Billari. (2009) “Advances in development reverse fertility declines.” *Nature*, 460, 741-743.

The Economist | Sep 7, 2009; The New York Times | Aug 6, 2009; Neue Züricher
Zeitung | Jan 4, 2010; Der Standard | Aug 5, 2009; also Wikipedia |
http://en.wikipedia.org/wiki/Demographic_transition