

Magdalena Muszyńska-Spielauer

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Work Experience

Research

- from 07.2025 **Senior Postdoctoral Researcher**, *Vienna Institute of Demography (OeAW)*, Austria
- from 07.2025 **Senior Postdoctoral Researcher**, *Institute of Philosophy and Scientific Method, JKU Linz*, Austria
- 2023 – 2025 **Senior Postdoctoral Researcher**, *Institute of Applied Statistics, JKU Linz*, Austria
- 2022 – 2023 **Postdoctoral Researcher**, *TUWien*, Austria
- 2020 – 2023 **Postdoctoral Researcher**, *Vienna Institute of Demography (OeAW)*, Austria
- 2011 – 2016 **Assistant Professor**, *Institute of Statistics and Demography, Warsaw School of Economics*, Poland
- 2011 – 2015 **Research Scholar**, *Max Planck Institute for Demographic Research*, Germany
- Nov 2015 **Visiting Scholar**, *Population Europe*, Germany
- 2009 – 2010 **Research Scientist**, *Duke University Population Research Institute, Social Science Research Institute, Duke University*, USA
- 2006 – 2009 **Research Scientist**, *Population, Policy, and Aging Research Center, Terry Sanford Institute of Public Policy, Duke University*, USA
- 2000 – 2009 **Research Assistant**, *Institute of Statistics and Demography, Warsaw School of Economics*, Poland
- 2006 **Postdoc**, *Max Planck Institute for Demographic Research*, Germany
- 2003 – 2006 **PhD Student**, *Max Planck Institute for Demographic Research*, Germany
- 2002 – 2003 **Editorial Assistant**, *Studia Demograficzne, Polish Demographic Journal*, Poland
- 1999 – 2000 **Student Assistant**, *Institute of Statistics and Demography, Warsaw School of Economics*, Poland

Design

- 2016 – 2021 **Fashion Designer**, *own fashion label MaMaMu*, Austria
- 2018 – 2021 **Trainer**, *Digital Fabrication in Fashion at Technical Museum, Vienna Design Week, Happy Lab*, Austria
- 2019 **Trainer**, *Digital Fabrication in Fashion at VIAMODA*, Poland
- 2018 – 2019 **Group Exhibitions**, *Vienna Design Week, Take Festival, Das Chegini Gallery, Gallery Lisa Kandlhoffer, Angewandte Innovation Lab*, Austria

Education

- 2015 **Bachelor of Arts**, *Strzeminski Academy of Fine Arts*, Poland
- 2006 **Ph.D.in Economics**, *Warsaw School of Economics*, Poland
Dissertation Title: *Cultural and Structural Determinants of Fertility in Europe*
- 2003–2006 **Ph.D.-Student in Demography**, *EDSD and IMPRSD, Max Planck Institute for Demographic Research*, Germany
- 2000–2001 **Ph.D.-Student in Social Sciences**, *Graduate School for Social Research, Polish Academy of Sciences*, Poland
- 2000 **MA in Economics**, *Warsaw School of Economics*, Poland
Dissertation Title: *Forecasting the Number and Composition of Households in Poland, 2005-2050*
- 1995–2000 **Master Student in Economics**, in *Quantitative Methods and Information Systems*, *Warsaw School of Economics*, Poland

Additional Training

- Mar 2022 **Leadership and Human Resources Development**, *Austrian Academy of Sciences*, Austria
- Jun 2011 **Matrix Population Models**, *IMPRSD, Max Planck Institute for Demographic Research*, Germany

Grants

- 2025–2027 **Normative measurement framework for assessing the impact of socio-ecological transformation on lifespan inequity within populations**, *Linz Institute for Transformative Change*, Principal Investigator
- 2023–2027 **Heterogeneity in Health and Mortality Studies of Population**, *Elise Richter Programme, FWF Austrian Science Fund*, Principal Investigator
- 2014–2015 **The health consequences of 1989+**, *Warsaw School of Economics, Max Planck Institute for Demographic Research and Hungarian Demographic Research institute*, founded by the Max Planck Institute for Demographic Research
grant leader: J.W.Vaupel, Polish team leader
- 2012–2014 **Measurement of similarities in age-at-death distributions**, *Polish National Science Centre*, Principal Investigator
- 2012–2014 **Effect of early exposure to water-borne diseases on old-age mortality**, *Polish National Science Centre*, Principal Investigator
- 2011–2014 **Territorial variation of mortality in Poland**, *Polish National Science Centre*, Principal Investigator

Awards

- 2006 **Jerzy Z. Holzer medal**, of the *Committee of Demographic Sciences, Polish Academy of Sciences*, for contributions to the Polish demography
- 2006 **Prize of the Rector**, of the *Warsaw School of Economics*, for the doctoral dissertation

Publications

- [1] M. Kevdzija, L. Bartha-Doering, R. Heying, *et al.*, "Building support for children and families affected by stroke (build care): Study protocol," *Plos one*, vol. 20, no. 2, e0308765, 2025.
- [2] M. Luy, P. Di Giulio, V. Di Lego, P. Lazarevič, M. Muszyńska-Spielauer, and M. Sauerberg, "Health expectancy: Increasingly used, but not well understood," *Comparative Population Studies*, vol. 50, 2025.
- [3] M. Muszyńska-Spielauer, A. van Raalte, I. Sasson, and Y. Asada, "From lifespan inequality to lifespan inequity," *Social Indicators Research*, pp. 1–25, 2025.
- [4] M. Muszyńska-Spielauer, T. Riffe, *et al.*, "Life tables under current risk composition based on observed, fixed characteristics," *Vienna Yearbook of Population Research*, vol. 2025, 2025.
- [5] M. M. Muszyńska-Spielauer, T. Riffe, and M. Spielauer, "Healthy lifespan statistics derived from cross-sectional prevalence data using the Sullivan method are informative summary measures of population health," *Comparative Population Studies*, vol. 49, no. 1, pp. 55–80, 2024.
- [6] T. Riffe, I. Permanyer Ugartemendia, R. Tursun-Zade, and M. Muszyńska-Spielauer, "The joint distribution of years lived in good and poor health," *Population Health Metrics*, vol. 22, no. 1, p. 33, 2024.
- [7] A. Fihel, S. Trias-Llimós, M. Muszyńska-Spielauer, and M. Majerová, "Alcohol-related mortality in four European countries: A multiple-cause-of-death study," *Drug and Alcohol Review*, vol. 42, no. 4, pp. 938–945, 2023. DOI: <https://doi.org/10.1111/dar.13624>.
- [8] M. Muszyńska-Spielauer and M. Spielauer, "The effect of sample attrition in the EU Statistics on Income and Living Conditions on the estimates of Eurostat's Healthy Life Years," *European Journal of Public Health*, vol. 33, no. 3, pp. 378–380, 2023.
- [9] F. Tetzlaff, E. Nowossadeck, J. Epping, *et al.*, "Trends in cancer-free working life expectancy based on health insurance data from Germany—is the increase as strong as in working life expectancy?" *Plos one*, vol. 18, no. 7, e0288210, 2023.
- [10] M. Muszyńska-Spielauer and M. Luy, "Well-being adjusted health expectancy: A new summary measure of population health," *European Journal of Population*, pp. 1–23, 2022.
- [11] M. Muszyńska-Spielauer and M. Spielauer, "Cross-sectional estimates of population health from the Survey of Health and Retirement in Europe (SHARE) are biased due to health-related sample attrition," *SSM-Population Health*, vol. 20, p. 101 290, 2022.
- [12] A. Fihel and M. Muszyńska-Spielauer, "Using multiple cause of death information to eliminate garbage codes," *Demographic Research*, vol. 45, pp. 345–360, 2021.
- [13] M. Luy, M. Sauerberg, M. Muszyńska-Spielauer, and V. Di Lego, "Decrease in life expectancy in Germany in 2020: Men from Eastern Germany most affected," *Comparative Population Studies*, vol. 46, 2021.
- [14] M. Muszyńska-Spielauer, "Sex differences in alcohol attributable mortality in Poland, 2002–2018," *Przegląd Epidemiologiczny (Polish Epidemiological Review)*, p. 235, 2021.
- [15] M. Muszyńska-Spielauer and M. Luy, "Well-being adjusted health expectancy - a new summary measure of population health," *VID WORKING PAPERS*, no. 1/2021, 2021.
- [16] M. Muszyńska-Spielauer and J. Silber, "A note on the concept of the equivalent length of life," *Demographic Research, Response Letter*, no. Vol.43 - Art.14, 2021.

- [17] P. Grigoriev, D. Jasilionis, S. Klüsener, *et al.*, "Geographical variation of premature male mortality in Belarus, Lithuania, Poland, and Russia," Tech. Rep., 2018.
- [18] R. Rau, C. Bohk-Ewald, M. Muszyńska, and J. W. Vaupel, *Visualizing mortality dynamics in the Lexis diagram*. Springer, 2017.
- [19] S. Trias-Llimós, M. Muszyńska, A. D. Cámara, and F. Janssen, "Smoking cessation among European older adults: The contributions of marital and employment transitions by gender," *European Journal of Ageing*, vol. 14, no. 2, pp. 189–198, 2017.
- [20] M. Muszyńska and F. Janssen, "The concept of the equivalent length of life for quantifying differences in age-at-death distributions across countries," *Genus*, vol. 72, no. 1, pp. 1–14, 2016.
- [21] A. Fihel and M. Muszyńska, "The regional variation in tobacco smoking-attributable mortality in Poland, 2006–2010," *Przegląd Epidemiologiczny*, vol. 69, pp. 87–92, 2015.
- [22] M. Muszyńska, U. Sulkowska, and W. A. Zatoński, "Regional variation in mortality from ischaemic heart disease in Poland, 2006–2010," *Kardiologia Polska (Polish Heart Journal)*, vol. 73, no. 3, pp. 207–215, 2015.
- [23] W. A. Zatoński, U. Sulkowska, M. Z. Zatoński, A. A. Herbeć, and M. Muszyńska, "Alcohol taxation and premature mortality in Europe," *The Lancet*, vol. 385, no. 9974, p. 1181, 2015.
- [24] A. Fihel, M. Muszyńska, and W. Wróblewska, "Mortality according to ill-defined causes and its stable regional pattern in Poland [in Polish]," *Studia Demograficzne*, no. 1 (165), pp. 83–102, 2014.
- [25] M. Muszyńska, A. Fihel, and F. Janssen, "Role of smoking in regional variation in mortality in Poland," *Addiction*, vol. 109, no. 11, pp. 1931–1941, 2014.
- [26] H. Wang, C. A. Liddell, M. M. Coates, *et al.*, "Global, regional, and national levels of neonatal, infant, and under-5 mortality during 1990–2013: A systematic analysis for the Global Burden of Disease Study 2013," *The Lancet*, vol. 384, no. 9947, pp. 957–979, 2014.
- [27] R. Rau, M. Muszyńska, and P. H. Eilers, "Minor gradient in mortality by education at the highest ages: An application of the extinct-cohort method," *Demographic Research*, vol. 29, pp. 507–520, 2013.
- [28] R. Rau, M. Muszyńska, and J. W. Vaupel, "Europe, the oldest-old continent," in *The Demography of Europe*, Springer, Dordrecht, 2013, pp. 119–137.
- [29] M. Muszyńska, "Lifespan inequality in Poland) [in Polish]," *Collegium of Economic Analysis Annals*, no. 28, pp. 85–96, 2012.
- [30] M. Muszyńska and R. Rau, "The old-age healthy dependency ratio in Europe," *Journal of Population Ageing*, vol. 5, no. 3, pp. 151–162, 2012.
- [31] M. Muszyńska, "The female-male gap in life expectancy in Poland," *Studia Demograficzne*, no. 1, 2011.
- [32] M. Muszyńska and R. Rau, "Falling short of highest life expectancy: How many Americans might have been alive in the twentieth century?" *Population and Development Review*, vol. 35, no. 3, pp. 585–603, 2009.
- [33] M. Muszyńska, "Women's employment and union dissolution in a changing socio-economic context in Russia," *Demographic Research*, vol. 18, pp. 181–204, 2008.

- [34] —, *Structural and cultural determinants of fertility in Europe*. Warsaw School of Economics, 2007.
- [35] M. Muszyńska and H. Kulu, "Migration and union dissolution in a changing socio-economic context: The case of Russia," *Demographic Research*, vol. 17, pp. 803–820, 2007.
- [36] I. Kotowska, A. Matysiak, M. Muszyńska, and A. Abramowska, "Work and parenthood—comparative data analysis and policy implications, workpackage 6," *DIALOG project, Institute of Statistics and Demography, Warsaw School of Economics, Warsaw*, 2005.
- [37] M. Muszyńska, "Employment after childbearing: A comparative study of Italy and Norway," Max Planck Institute for Demographic Research, Rostock, Germany, Tech. Rep., 2004.
- [38] —, "Family models in Europe in the context of women's status," *Working Papers on Population, Family and Welfare*, no. 6, 2004.
- [39] M. Muszyńska, "Differences in the family models according to women's status in European countries [in polish]," *Studia Demograficzne*, vol. 2, p. 144, 2003.

Selected Presentations

- 2024 **Health and Mortality EAPS Working Group**, *Muszyńska-Spielauer M.*, Is $e^\dagger$ a measure of lifespan inequality?, Luxembourg
- 2024 **Philosophy, Politics and Economics**, *Muszyńska-Spielauer M., van Raalte, A., Sasson, I., Yukiko A.*, From lifespan inequality to lifespan inequity, New Orleans
- EPC**, *Muszyńska-Spielauer M., van Raalte, A., Sasson, I., Yukiko A.*, From lifespan inequality to lifespan inequity, Edinburgh
- 2023 **REVES**, *Muszyńska-Spielauer M., Riffe T.*, Healthy lifespan statistics derived from cross-sectional prevalence data using Sullivan's method are informative summary measures of population health, Padova
- 2022 **EPC**, *Muszyńska-Spielauer M., Spielauer M.*, The effect of sample attrition on bias in cross-sectional estimates of health in SHARE and SILC surveys, Groningen
- Human Mortality Database Symposium**, *Muszyńska-Spielauer M., Riffe T.*, Life expectancy at current rates and current population composition, Poster, Paris
- 2021 **IUSSP**, *Muszyńska-Spielauer M., Luy M.*, Well-being Adjusted Health Expectancy - a new summary measure of population health, online
- Health, Morbidity, and Mortality Working Group, EAPS**, *Muszyńska-Spielauer M., Spielauer M.*, Inequalities in healthy lifespans and the effect of variation in health decrease and survival, online
- REVES**, *Muszyńska-Spielauer M., Spielauer M.*, Inequalities in healthy lifespans and the effect of variation in health decrease and survival, online
- PAA**, *Muszyńska-Spielauer M., Luy M.*, Well-being Adjusted Health Expectancy - a new summary measure of population health, Poster, online
- 2014 **EPC**, *Muszyńska M., Szulc A., Janssen F.*, An index of inequality in age-at-death distributions across a group of countries based on the concept of the Equivalent Length of Life, Budapest
- PAA**, *Muszyńska M. and Sanders S.*, The effect of early-life exposure to water-borne diseases on old-age mortality in the United States, Boston, MA

- 2013 **IUSSP**, Muszyńska M., Rau R., The effect of early-life exposure to water-borne diseases on old-age mortality in the United States, Busan
- 2012 **EPC**, Muszyńska M., Mortality divergence across industrialized countries, Stockholm
- 2010 **PAA**, Muszyńska M., Rau R., Old-Age Healthy Dependency Ratio in Europe, Dallas
- 2009 **IUSSP**, Muszyńska M., Rau R., Cause-of-Death Contribution to the Female-Male Gap in Mortality in the United States, Marrakesh
- PAA**, Muszyńska M., Rau R., Cause-of-Death Contribution to the Female-Male Gap in Mortality in the United States, Detroit
- 2008 **PAA**, Muszyńska M., Rau R., How Many Americans Could Be Alive?, New Orleans

Other Professional

- 2003 **Organization of EPC conference**, Warsaw
- **Reviewer**, *Demography*, *European Journal of Ageing*, *European Journal of Population*, *European Sociological Review*, *Demographic Research*, *Genus*, *Geografiska Annaler B: Human Geography*, *UNESCO Encyclopedia of Life Support Systems*, *Population*, *Space and Place*
 - **Languages**, *Polish (mother tongue)*, *English (fluent)*, *German (good)*, *Spanish (good)*, *Russian (good)*
 - **Computer Skills**, *Typesetters:LaTeX* , Statistical Software: R