

Hans-Peter Kohler

Frederick J. Warren Professor of Demography
Professor of Sociology

Curriculum Vitae

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September 27, 2016

PERSONAL STATEMENT

I am a social and economic demographer whose current research focuses on health, demography and social change in developing and developed countries. A key characteristic of my research is the attempt to integrate demographic, economic, sociological and biological approaches in empirical and theoretical models of health and demographic behaviors. In my prior work, I have investigated the role of social and sexual networks for HIV risk perceptions and HIV infection risks, the causal effects of education on health, the consequences of learning one's HIV status on risky behaviors, the interrelations between marriage and sexual relations in developing countries, the role of social interaction processes for fertility and AIDS-related behaviors, and the determinants and consequences of low fertility in developed countries. My research combines extensive knowledge about the determinants of health, fertility/mortality, HIV/AIDS, and related economic behaviors in developing and developed countries with considerable experience in sophisticated econometric and demographic analyses, including analyses with controls for endowment and unobserved determinants of individuals' behaviors, models of population and disease dynamics, randomized designs and integration of social science and biomedical research methods. I have extensive experience in the design and implementation of large-scale data collection in sub-Saharan contexts. I have been awarded the Clifford C. Clogg Award for Early Career Achievement by the Population Association of America for my interdisciplinary work on fertility and health, and have been honored with Otis Dudley Duncan Award for Outstanding Scholarship in Social Demography by the American Sociological Association. I have been a Fellow at the Center for Advanced Studies at the Norwegian Academy of Science, served as the president of the Society of Biodemography and Social Biology, and was engaged as lead-paper author in the Copenhagen Consensus Project to evaluate policies to prevent the sexual transmission of HIV (2011, with Behrman), reduce population growth (2012), and the post-2015 UN Development Goals in the area of Population and Demography. I served as the Chair of Penn's Ph.D. Program in Demography and the NICHD T32 Training Director for this program (successfully renewed in 2012). I have also been the PI of the NIH grant "Consequences of High Morbidity and Mortality in a Low-Income Country" (R01HD053781) that supported the Malawi Longitudinal Study of Families and Health (MLSFH).

ACADEMIC POSITIONS AND HONORS

Positions:

2010–	Frederick J. Warren Professor of Demography, University of Pennsylvania
2006–	Professor of Sociology, University of Pennsylvania
2009–15	NICHD T32 Training Director, Graduate Group in Demography, University of Pennsylvania
2008–13, 16-17	Chair, Graduate Group in Demography, University of Pennsylvania
2006–	Principal Investigator, Malawi Longitudinal Study of Families and Health (MLSFH)
2003–	Research Associate, Population Studies Center, University of Pennsylvania
2003–	Research Associate, Population Aging Center, University of Pennsylvania
2004–	Member, Center for AIDS Research, University of Pennsylvania
2003–2006	Associate Professor of Sociology, University of Pennsylvania
2002 (fall)	Visiting Professor, Department of Demography, University of California at Berkeley
2001–2004	Professor (part-time), Institute of Public Health, University of Southern Denmark

1997–2002 Head of Research Group on *Social Dynamics and Fertility*, Max Planck Institute for Demographic Research (Nachwuchsgruppenleiter C3)

Honors:

2015– Associate Editor, *Frontiers in Evolutionary Sociology and Biosociology*
 2014– Member, IUSSP Scientific Panel on *Subjective Well-being and Demographic Events*
 2014– Senior Fellow, *Leonard Davis Institute of Health Economics*
 2012 *Otis Dudley Duncan Award* for Outstanding Scholarship in Social Demography by the ASA Section on Sociology of Population for book “Understanding Family Change and Variation” by J. Johnson-Hanks, C. Bachrach, S. P. Morgan and H.-P. Kohler
 2012– Council Member, Sociology of Population Section, American Sociological Association (ASA)
 2011– Member, Sociological Research Association (SRA)
 2010–13 Editorial Board Member, *Demography*
 2009– Editorial Board Member, *Biodemography and Social Biology*
 2009–10 Editorial Board Member, *Social Forces*
 2008– Editorial Board Member, *Advances in Life Course Research*
 2008– Member of the Scientific Committee, *Genus*
 2007–11 Member, NIH study section on *Behavioral and Social Science Approaches to Preventing HIV*
 2007–12 President, *Society of Biodemography and Social Biology*
 2007–10 Council Member, Population Association of America
 2006–07 Fellow, Center for Advanced Studies at the Norwegian Academy of Science
 2006 Clifford C. Clogg Award for Early Career Achievement by the Population Association of America
 2005–08 Member, Working Group on *Explaining Family Change and Variation*, Duke University and NICHD
 2002–08 Associate Editor, *Demographic Research*
 2001–02 Member, Panel for the NAS workshop on the *Biodemography of Fertility and the Family Behavior*

EDUCATION

University of California at Berkeley	Ph.D.	1997	Economics
<i>Dissertation title:</i>	<i>Fertility and Social Interactions: An Economic Approach</i>		
<i>Dissertation committee:</i>	Ronald Lee (chair), Kenneth Wachter, Daniel McFadden and Paul Romer		
University of California at Berkeley	M.A.	1994	Demography
Fachhochschule Kempten	Diplom-Betriebswirt (FH)	1992	Business Administration

PUBLICATIONS

(Click on URL and DOI links for online access to publications)

(Click here for Google Scholar Author Profile)

Selected Key Publications:

Delavande, Adeline and Hans-Peter Kohler (2016). HIV/AIDS-related expectations and risky behavior in Malawi. *Review of Economic Studies*, 83(1): 118–164. doi:10.1093/restud/rdv028.

Payne, Collin, James Mkandawire and Hans-Peter Kohler (2013). Disability transitions and health expectancies among adults 45 years and older mature in Malawi: A cohort modeling approach. *PLOS Medicine*, 10(5): e1001435. doi:10.1371/journal.pmed.1001435.

Kohler, Hans-Peter (2013). Population growth. In *Global Problems, Smart Solutions: Costs and Benefits*, edited by Bjørn Lomborg, pp. 510–580. Cambridge, MA: Cambridge University Press. Working paper version available at http://repository.upenn.edu/psc_working_papers/34.

Kohler, Hans-Peter, Jere R. Behrman and Jason Schnittker (2011). Social science methods for twins data: Integrating causality, endowments and heritability. *Journal of Biodemography and Social Biology*, 57(1): 88–141. doi:10.1080/19485565.2011.580619.

Myrskylä, Mikko, Hans-Peter Kohler and Francesco C. Billari (2009). Advances in development reverse fertility declines. *Nature*, 460(7256): 741–743. doi:10.1038/nature08230.

Helleringer, Stéphane and Hans-Peter Kohler (2007). Sexual network structure and the spread of HIV in Africa: Evidence from Likoma Island, Malawi. *AIDS*, 21(17): 2323–2332. doi:10.1097/QAD.0b013e328285df98.

- Kohler, Hans-Peter, Jere R. Behrman and Susan C. Watkins (2007). Social networks and HIV/AIDS risk perceptions. *Demography*, 44(1): 1–33. doi:10.1353/dem.2007.0006.
- Kohler, Hans-Peter, Jere R. Behrman and Axel Skytthe (2005). Partner + children = happiness? An assessment of the effect of fertility and partnerships on subjective well-being in Danish twins. *Population and Development Review*, 31(3): 407–445. doi:10.1111/j.1728-4457.2005.00078.x.
- Kohler, Hans-Peter, Francesco C. Billari and José A. Ortega (2002). The emergence of lowest-low fertility in Europe during the 1990s. *Population and Development Review*, 28(4): 641–681. doi:10.1111/j.1728-4457.2002.00641.x.
- Kohler, Hans-Peter and José A. Ortega (2004). Old insights and new approaches: Fertility analysis and tempo adjustment in the age-parity model. *Vienna Yearbook of Population Research 2004*, 2: 57–89. doi:10.1553/populationyearbook2004s57.

Books:

- Johnson-Hanks, Jennifer A., Christine A. Bachrach, S. Philip Morgan and Hans-Peter Kohler (2011). *Understanding Family Change and Variation: Toward a Theory of Conjunctural Action*. New York/Berlin: Springer Verlag. <http://www.springer.com/978-94-007-1944-6>.
- Engelhardt, Henriette, Hans-Peter Kohler and Alexia Fürnkranz-Prskawetz (Editors) (2009). *Causal Analysis in Population Studies*, The Springer Series on Demographic Methods and Population Analysis. Berlin: Springer Verlag. <http://books.google.com/books?id=ArfD-y8lvaQC>.
- Rodgers, Joseph L. and Hans-Peter Kohler (Editors) (2002). *Biodemography of Human Reproduction and Fertility*. Boston: Kluwer. <http://books.google.com/books?id=yng3lyHr1mkC>.
- Kohler, Hans-Peter (2001). *Fertility and Social Interactions: An Economic Perspective*. Oxford: Oxford University Press. <http://books.google.com/books?id=03WVNSjf1KkC>.
- Kohler, Hans-Peter (1992). *Grundlagen der Bewertung von Optionen und Optionsscheinen*. Wiesbaden: Gabler Verlag. [in German; English title: *Foundations of the Evaluation of Options and Warrants*].
- Pflaumer, Peter, with assistance of Hans-Peter Kohler (1992). *Investitionsrechnung*. Wiesbaden: Gabler Verlag. [in German; English title: *Investment Calculus*].

Peer-reviewed articles:

- Kohler, Iliana V., Collin F. Payne, Chiwoza Bandawe and Hans-Peter Kohler (conditionally accepted). The demography of mental health among mature adults in a low-income high HIV-prevalence context. *Demography*. Working paper version available at http://repository.upenn.edu/psc_working_papers/59/.
- Castanheira, Helena C. and Hans-Peter Kohler (forthcoming). Work-childrearing support, gender, and low fertility in Brazil. *Journal of Biosocial Science*.
- Anglewicz, Philip, Mark VanLandingham, Lucinda Manda-Taylor and Hans-Peter Kohler (forthcoming). Migration and HIV infection in Malawi: A population-based longitudinal study. *AIDS*, 30(13): 2099–2105. doi:10.1097/QAD.0000000000001150.
- Myroniuk, Tyler W., Christina Prell and Hans-Peter Kohler (forthcoming). Why rely on friends instead of family? Family, friendship, exchange, and civic engagement in a rural Sub-Saharan African context. *African Studies*.
- Delavande, Adeline and Hans-Peter Kohler (2016). HIV/AIDS-related expectations and risky behavior in Malawi. *Review of Economic Studies*, 83(1): 118–164. doi:10.1093/restud/rdv028.
- Baranov, Victoria, Daniel Bennett and Hans-Peter Kohler (2015). The indirect impact of antiretroviral therapy: Mortality risk, mental health, and HIV-negative labor supply. *Journal of Health Economics*, 44: 195–211. doi:10.1016/j.jhealeco.2015.07.008.
- Fedor, Theresa M., Hans-Peter Kohler and James M. McMahon (2015). Changing attitudes towards women's rights to protect against HIV risk in Malawi. *Culture, Health & Sexuality*, p. ePub 27 Oct 2015. doi:10.1080/13691058.2015.1090016.
- Anderson, Thomas and Hans-Peter Kohler (2015). Demographic transition revisited: Low fertility, socioeconomic development, and gender equity. *Population and Development Review*, 41(3): 381–407. doi:10.1111/j.1728-4457.2015.00065.x.
- Fedor, Theresa M., Hans-Peter Kohler and Jere R. Behrman (2015). The impact of learning HIV status on marital stability and sexual behavior within marriage in Malawi. *Demography*, 52(1): 259–280. doi:10.1007/s13524-014-0364-z.
- Hyder, Asma, Jere R. Behrman and Hans-Peter Kohler (2015). Negative economic shocks and child schooling: Evidence from rural Malawi. *Development Southern Africa*, 32(4): 458–476. doi:10.1080/0376835X.2015.1039707.
- Castro, Ruben, Jere R. Behrman and Hans-Peter Kohler (2015). Perception of HIV risk and the quantity and quality of children: The case of rural Malawi. *Journal of Population Economics*, 28(1): 113–132. doi:10.1007/s00148-013-0498-0.

- Amin, Vikesh, Jere R. Behrman and Hans-Peter Kohler (2015). Schooling has smaller or insignificant effects on adult health in the US than suggested by cross-sectional associations: New estimates using relatively large samples of identical twins. *Social Science & Medicine*, 127: 181–189. doi:10.1016/j.socscimed.2014.07.065.
- Kohler, Hans-Peter, Susan C. Watkins, Jere R. Behrman, Philip Anglewicz, Iliana V. Kohler, Rebecca L. Thornton, James Mkandawire, Hastings Honde, Augustine Hawara, Ben Chilima, Chiwoza Bandawe and Victor Mwapasa (2015). Cohort profile: The Malawi Longitudinal Study of Families and Health (MLSFH). *International Journal of Epidemiology*, 44(2): 394–404. doi:10.1093/ije/dyu049. Working paper version available at http://repository.upenn.edu/psc_working_papers/46.
- Helleringer, Stéphane, James Mkandawire and Hans-Peter Kohler (2014). A new approach to measuring partnership concurrency and its association with HIV risk in couples. *AIDS and Behavior*. doi:10.1007/s10461-014-0788-x. Published online 10 May 2014.
- Helleringer, Stéphane, James Mkandawire, Linda Kalilani-Phiri and Hans-Peter Kohler (2014). Cohort profile: The Likoma Network Study (LNS). *International Journal of Epidemiology*, 43(2): 545–557. doi:10.1093/ije/dyt001.
- Payne, Collin, James Mkandawire and Hans-Peter Kohler (2013). Disability transitions and health expectancies among adults 45 years and older mature in Malawi: A cohort modeling approach. *PLOS Medicine*, 10(5): e1001435. doi:10.1371/journal.pmed.1001435.
- Abbott, Katherine, Janet Prvu Bettger, Keith Hampton and Hans-Peter Kohler (2013). The feasibility of measuring social networks among older adults in assisted living and dementia special care units. *Dementia*. doi:10.1177/1471301213494524. Published online: July 8, 2013.
- Kohler, Iliana V., Beth J. Soldo, Philip Anglewicz, Ben Chilima and Hans-Peter Kohler (2013). Association of blood lipids, creatinine, albumin and CRP with socioeconomic status in Malawi. *Population Health Metrics*, 11(4): 1–10. doi:10.1186/1478-7954-11-4.
- Kohler, Hans-Peter (2013). Population growth. In *Global Problems, Smart Solutions: Costs and Benefits*, edited by Bjørn Lomborg, pp. 510–580. Cambridge, MA: Cambridge University Press. Working paper version available at http://repository.upenn.edu/psc_working_papers/34.
- Anderson, Thomas M. and Hans-Peter Kohler (2013). Education fever and the East Asian fertility puzzle: A case study of low fertility in South Korea. *Asian Population Studies*, 9(2): 196–215. doi:10.1080/17441730.2013.797293.
- Helleringer, Stéphane, Hans-Peter Kohler, James Mkandawire, Geroge Reniers and Linda Kalilani-Phiri (2013). Should home-based HIV testing and counseling campaigns be repeated periodically in programs of ARV treatment as prevention? A case study in Likoma (Malawi). *AIDS and Behavior*, 17(6): 2100–2108. doi:10.1007/s10461-012-0365-0.
- Kohler, Iliana V., Philip Anglewicz, Hans-Peter Kohler, John McCabe, Ben Chilima and Beth J. Soldo (2012). Evaluating health and disease in sub-Saharan Africa: Minimally invasive collection of plasma in the Malawi Longitudinal Study of Families and Health. *Genus*, 68(2): 1–27. doi:10.4402/genus-431.
- Abbott, Katherine, Janet Prvu Bettger, Keith Hampton and Hans-Peter Kohler (2012). Exploring the use of social network analysis to measure social integration among older adults in assisted living. *Family and Community Health*, 35(4): 1–12. doi:10.1097/FCH.0b013e318266669f.
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- Behrman, Jere R. and Hans-Peter Kohler (2012). Sexual transmission of HIV. In *Rethink HIV: Smarter Ways to Invest in Ending HIV in Sub-Saharan Africa*, edited by Bjørn Lomborg, chapter 1, pp. 11–60. Cambridge, MA: Cambridge University Press. Working paper version available at <http://www.rethinkHIV.com>.
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- Kohler, Hans-Peter and Rebecca Thornton (2012). Conditional cash transfers and HIV/AIDS prevention: Unconditionally promising? *World Bank Economic Review*, 26(2): 165–190. doi:10.1093/wber/lhr041.
- Helleringer, Stéphane and Hans-Peter Kohler (2011). Measurement errors invalidate tests of the effects of concurrent partnerships on HIV incidence (correspondence). *Lancet*, 378(9806): 1844–1845. doi:10.1016/S0140-6736(11)61805-9.
- Armbruster, Benjamin, Stéphane Helleringer, Linda Kalilani-Phiri, James Mkandawire and Hans-Peter Kohler (2011). Exploring the relative costs of contact tracing in increasing HIV case-finding in sub-Saharan countries: The case of Likoma Island (Malawi). *Journal of Acquired Immune Deficiency Syndrome*, 58(2): e29–e36. doi:10.1097/QAI.0b013e31822a9fa8.
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- Yang, Otto O., Martha J. Lewis, Elaine F. Reed, David W. Gjerston, Linda Kalilani-Phiri, James Mkandawire, Stéphane Helleringer and Hans-Peter Kohler (2011). Human leukocyte antigen class I haplotypes of human immunodeficiency virus-1-infected persons on Likoma Island, Malawi. *Human Immunology*, 72: 877–880. doi:10.1016/j.humimm.2011.05.003.
- Helleringer, Stéphane, Hans-Peter Kohler, Linda Kalilani-Phiri and James Mkandawire (2011). Women underestimate the age of their partners during survey interviews: Implications for HIV risk associated with age mixing in northern Malawi. *Sexually Transmitted Diseases*, 38(11): 1030–1035. doi:10.1097/OLQ.0b013e318227a486.
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- Behrman, Jere R., Hans-Peter Kohler, Vibeke Jensen, Dorthe Pedersen, Inge Petersen, Paul Bingley and Kaare Christensen (2011). Does more schooling reduce hospitalization and delay mortality? New evidence based on Danish twins. *Demography*, 48(4): 1347–1375. doi:10.1007/s13524-011-0052-1.
- Kohler, Hans-Peter (2010). Fertility and its implications. In *UNESCO-EOLSS Encyclopedia of Life Support Systems: Demography*, edited by Zeng Yi. Ramsey, Isle of Man: Eolss Publishers Co. <http://www.eolss.net>.
- Myrskylä, Mikko, Hans-Peter Kohler and Francesco C. Billari (2009). Advances in development reverse fertility declines. *Nature*, 460(7256): 741–743. doi:10.1038/nature08230.
- Helleringer, Stéphane, Hans-Peter Kohler, Agnes Chimbiri, Praise Chatonda and James Mkandawire (2009). The Likoma Network Study: Context, data collection and initial results. *Demographic Research*, 21(15): 427–468. doi:10.4054/DemRes.2009.21.15.
- Delavande, Adeline and Hans-Peter Kohler (2009). Subjective expectations in the context of HIV/AIDS in Malawi. *Demographic Research*, 20(31): 817–874. doi:10.4054/DemRes.2009.20.31.
- Helleringer, Stéphane, Hans-Peter Kohler and Linda Kalilani-Phiri (2009). The association of HIV serodiscordance and partnership concurrency in Likoma Island (Malawi). *AIDS*, 23(10): 1285–1287. doi:10.1097/QAD.0b013e32832aa85c.
- Boileau, Catherine, Shelley Clark, Michelle Poulin, Simona Bignami-Van Assche, George Reniers, Susan C. Watkins, Hans-Peter Kohler and J. Heymann (2009). Sexual and marital trajectories and HIV infection among ever-married women in rural Malawi. *Sexually Transmitted Infections*, 85(Supplement 1): i27–i33. doi:10.1136/sti.2008.033969.
- Helleringer, Stéphane, Hans-Peter Kohler and James Mkandawire (2009). Increasing uptake of HIV testing and counseling among the poorest in sub-Saharan countries through home-based service provision. *Journal of Acquired Immune Deficiency Syndromes*, 51(2): 185–193. doi:10.1097/QAI.0b013e31819c1726.
- Anglewicz, Philip, Jimi Adams, Francis Obare, Hans-Peter Kohler and Susan Watkins (2009). The Malawi Diffusion and Ideational Change Project 2004–06: Data collection, data quality and analyses of attrition. *Demographic Research*, 20(21): 503–540. doi:10.4054/DemRes.2009.20.21.
- Anglewicz, Philip and Hans-Peter Kohler (2009). Overestimating HIV infection: The construction and accuracy of subjective probabilities of HIV infection in rural Malawi. *Demographic Research*, 20(6): 65–96. doi:10.4054/DemRes.2009.20.6.
- Behrman, Jere R., Hans-Peter Kohler and Susan C. Watkins (2009). Lessons from empirical network analyses on matters of life and death in East Africa. In *The Network Challenge: Strategy, Profit, and Risk in an Interlinked World*, edited by Paul R. Kleindorfer and Yorem Wind, chapter 28, pp. 495–512. Upper Saddle River, NJ: Wharton School Publishing. <http://books.google.com/books?id=gjq4mC3hW1QC>.
- Clark, Shelley, Michelle Poulin and Hans-Peter Kohler (2009). Marital aspirations, sexual behaviors, and HIV/AIDS in rural Malawi. *Journal of Marriage and the Family*, 71(2): 396–416. doi:10.1111/j.1741-3737.2009.00607.x.
- Obare, Francis, Peter Fleming, Philip Anglewicz, Rebecca Thornton, F. Martinson, Agatha Kapatuka, Michelle Poulin, Susan C. Watkins and Hans-Peter Kohler (2009). Acceptance of repeat population-based voluntary counseling and testing for HIV in rural Malawi. *Sexually Transmitted Infections*, 85(2): 139–144. doi:10.1136/sti.2008.030320.
- Helleringer, Stéphane and Hans-Peter Kohler (2008). Cross-sectional research design and relatively low HIV incidence, rather than blood exposures, explain the peripheral location of HIV cases within the sexual networks observed on Likoma. *AIDS*, 22(11): 1378–1379. doi:10.1097/QAD.0b013e3282fc733b.
- Rodgers, Joseph L., Hans-Peter Kohler, Matt McGue, Jere R. Behrman, Inge Petersen, Paul Bingley and Kaare Christensen (2008). Education and cognitive ability as direct, mediated, or spurious influences on female age at first birth: Behavioral genetic models fit to Danish twin data. *American Journal of Sociology*, 114(Supplement): S202–S232. doi:10.1086/592205.
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- Kohler, Hans-Peter, Francesco C. Billari and José A. Ortega (2006). Low fertility in Europe: Causes, implications and policy options. In *The Baby Bust: Who will do the Work? Who Will Pay the Taxes?*, edited by Fred R. Harris, pp. 48–109. Lanham, MD: Rowman & Littlefield Publishers. <http://books.google.com/books?id=75alsu8U9QAC&pg=PA48>.
- Skirbekk, Vegard, Hans-Peter Kohler and Alexia Prskawetz (2006). The marginal effect of school leaving age on demographic events. A contribution to the discussion on causality. In *Education and Postponement of Maternity: Economic Analyses for Industrialized Countries*, edited by Siv Gustafsson and Adriaan Kalwij, pp. 65–85. New York: Springer Verlag. <http://books.google.com/books?id=kamc8YHPjCwC&pg=PA65>.
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- Hank, Karsten and Hans-Peter Kohler (2003). Sex preferences for children revisited: New evidence from Germany. *Population, English Edition*, 58(1): 133–143. doi:10.3917/pope.301.0133.
- Kohler, Hans-Peter and Joseph L. Rodgers (2003). Education, fertility and heritability: Explaining a paradox. In *Offspring: Human Fertility Behavior in Biodemographic Perspective*, edited by Kenneth W. Wachter and Rodolfo A. Bulatao, pp. 46–90. Washington, D.C.: National Academies Press. <http://books.google.com/books?id=poXXt7ta73cC&pg=PA46>.
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Published reviews, commentaries, small papers, etc.:

- Kohler, Hans-Peter and Letizia Mencarini (2016). The parent happiness puzzle: An introduction to european journal of population special issue. *European Journal of Population*. doi:10.1007/s10680-016-9392-2.
- Kohler, Hans-Peter (2015). Six myths and truths about fertility in the west. *Family Studies: The Blog of the Institute for Family Studies*. <http://family-studies.org/six-myths-and-truths-about-fertility-in-the-west/>.
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- Behrman, Jere R. and Hans-Peter Kohler (2014). Population quantity, quality, and mobility. In *Towards a Better Global Economy: Policy Implications for Global Citizens in the 21st Century*, edited by Franklin Allen, Jere R. Behrman, Nancy Birdsall, Shahrokh Fardoust, Dani Rodrik, Andrew Steer and Arvind Subramanian, p. 2014. Oxford, UK: Oxford University Press.
- Vala-Haynes, Emily, Claudia Vaggia and Hans-Peter Kohler (2014). Fecundidad fuera de la unión en el paraguay. *Notas de Población*, 97: 7–34.
- Kohler, Hans-Peter, Stéphane Helleringer, Jere R. Behrman and Susan C. Watkins (2015). The social and the sexual: Networks in contemporary demographic research. In *Population in the Human Sciences: Concepts, Models, Evidence*, edited by Philip Kreager, Christian Capelli, Stanley Ulijaszek and Bruce Winney. Oxford, UK: Oxford University Press. Available as PSC Working Paper 13-01 at http://repository.upenn.edu/psc_working_papers/41/.
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- Engelhardt, Henriette, Hans-Peter Kohler and Alexia Fürnkranz-Prskawetz (2009). Introduction: Causal analysis in population studies. In *Causal Analysis in Population Studies*, edited by Henriette Engelhardt, Hans-Peter Kohler and Alexia Fürnkranz-Prskawetz, The Springer Series on Demographic Methods and Population Analysis, chapter 1, pp. 1–7. Berlin: Springer Verlag. <http://books.google.com/books?id=ArfD-y8lvaQC&pg=PT9>.
- Ortega, José A. and Hans-Peter Kohler (2009). Measuring low fertility: Rethinking demographic methods. In *Hommage à Gérard Calot—Profession: Démographe*, edited by Patrick Festy and Jean-Paul Sardon, pp. 141–181. Paris, France: INED. <http://www.ssc.upenn.edu/~hpkohler/papers/orte09m.pdf>.
- Ortega, José A. and Hans-Peter Kohler (2007). Medición de la baja fecundidad: repensando los métodos demográficos. *Estudios Demográficos Y Urbanos*, 66(3): 523–581.
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- Kohler, Hans-Peter and José A. Ortega (2002). Fertility, below-replacement. In *Encyclopedia of Population*, edited by Paul Demeny and Geoffrey McNicoll, volume 1, pp. 405–409. MacMillan Press. <http://books.google.com/books?id=hFJrPwAACAAJ&pg=PA405>.
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- Kohler, Hans-Peter (2000). Die neue demographie. In *Schweriner Wissenschaftstage: Bevölkerungsrückgang in Mecklenburg-Vorpommern*, edited by Mecklenburg-Vorpommern Ministerium für Bildung, Wissenschaft und Kultur. Schwerin: Ministerium für Bildung, Wissenschaft und Kultur. Also available as MPIDR Working Paper #2000-014 at <http://www.demogr.mpg.de>.
- Kohler, Hans-Peter (2000). Introduction to the special issue on lowest low fertility. *European Journal of Population*, 17(1): 1–2. doi:10.1023/A:1010745511636.
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- Kohler, Hans-Peter and James W. Vaupel (2000). Demography and its relation to other disciplines. In *Position of Demography Among Other Disciplines*, edited by Zdenek Pavlík, pp. 19–26. Charles University, Faculty of Science.
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- Philipov, Dimiter and Hans-Peter Kohler (2000). Tempo and quantum effects in fertility [in Bulgarian, original title: Tempo i kvantum efekti v plodovitostta]. *Statistics (A journal of the Bulgarian National Statistical Institute)*, 4: 4–18.

Working Papers:

- Payne, Collin F., Iliana V. Kohler, Chiwoza Bandawe and Hans-Peter Kohler (2016). Cognitive health among older adults: Evidence from rural Sub-Saharan Africa. University of Pennsylvania Population Center Working Paper (PSC/PARC) WP2016-3. http://repository.upenn.edu/psc_publications/3.
- Sudharsanan, Nikkil, Jere R. Behrman and Hans-Peter Kohler (2016). Limited common origins of multiple adult health-related behaviors: Evidence from U.S. twins. University of Pennsylvania Population Center Working Paper (PSC/PARC) WP2016-2. http://repository.upenn.edu/psc_publications/2.
- Zhao, Menghan and Hans-Peter Kohler (2016). Effects of birth control policies on women’s age at first birth in China. University of Pennsylvania Population Center Working Paper (PSC/PARC) # 2016-01. http://repository.upenn.edu/psc_publications/1/.
- Castanheira, Helena Cruz and Hans-Peter Kohler (2015). It is lower than you think it is: Recent total fertility rates in Brazil and possibly other Latin American countries. Population Studies Center, University of Pennsylvania,

- Working Paper #15-5. http://repository.upenn.edu/psc_working_papers/63.
- Payne, Collin F. and Hans-Peter Kohler (2015). The population-level impact of ART rollout on adult health and mortality in rural Malawi. Unpublished manuscript, University of Pennsylvania.
- Baranov, Victoria and Hans-Peter Kohler (2014). The impact of AIDS treatment on savings and human capital investment in Malawi. Population Studies Center, University of Pennsylvania, Working Paper #14-3. http://repository.upenn.edu/psc_working_papers/55.
- Anglewicz, Philip, Mark VanLandingham, Lucinda Manda-Taylor and Hans-Peter Kohler (2015). Cohort profile: The Migration and Health in Malawi (MHM) Study. Population Studies Center, University of Pennsylvania, Working Paper #15-4. http://repository.upenn.edu/psc_working_papers/62/.

Special Journal Issues:

- Guest Editor, *European Journal of Population*: Special Issue on “The Parent Happiness Puzzle” (2016, with Letizia Mencarini)
- Guest Editor, *Demographic Research*: Special Collection on “HIV/AIDS in sub-Saharan Africa” (with Jere Behrman, Susan Watkins and Simona Bignami) (2010).
- Guest Editor, *Demographic Research*: Special Collection on “Demographic Aspects of HIV/AIDS in Rural Malawi” (with Jere Behrman, Susan Watkins and Eliya Zulu) (2003).
- Guest Editor, *European Journal of Population*: Special Issue on “Lowest-low Fertility” (2001).

SELECTED INVITED SEMINARS

- 2016 Conference on “Frontiers of Longitudinal Research in Malawi,” Blantyre (Malawi); Keynote speaker, 6th Annual Malawi Mental Health Research and Practice Development Conference; University of Lausanne; Bocconi University; University of Essen; Malawi National Population and Development Conference.
- 2015 Malawi National AIDS Commission; UK House of Lords (at presentation of APPG Report on “Population Dynamics and the Sustainable Development Goals”); CEDEPLAR (Brazil); UC Berkeley; NICHD Workshop Human Fecundity; Institute for Advanced Studies Toulouse.
- 2014 Harvard University; University of Essex; NAS-NRC Twin Registry Investigators Meeting; Vienna University of Economics and Business.
- 2013 7th Conference on Population, Reproductive Health, and Economic Development, Oslo; Harvard University; University of Virginia; Global Citizen Foundation Conference on “Towards a Better Global Economy”; University of Chicago; Harvard University; Institut National d’Études Démographiques (INED).
- 2012 Duke University; University of Wisconsin (Madison); Copenhagen Consensus Project 2012 for challenge paper on population growth; University of Botswana; Harvard University.
- 2011 Copenhagen Consensus Project on HIV/AIDS in Sub-Saharan Africa (<http://www.rethinkHIV.com>) for assessment paper on the prevention of sexual transmission of HIV; UNAIDS/World Bank Economics Reference Group (ERG) for presentation on the prevention of the sexual transmission of HIV/AIDS; conference on “Population in the Human Sciences: Concepts, Models, Evidence”, Oxford University (Institute for Human Sciences); Keynote speaker, Alp-Pop (Alpine Population Conference), La Thuile, Ital (Bocconi University and Max Planck Institute for Demographic Research).
- 2010 Conference on “Whither the Child? The Causes, Consequences, & Responses to Low Fertility” (Social Trends Institute, Barcelona, Spain); Conference on “Integrating Genetics and the Social Sciences” (University of Colorado at Boulder); Conference on “Baby Makes Three: Social Scientific Research on Successfully Combining Marriage and Parenthood” (Princeton University); Conference on “Future with Children, Fertility, and the Development of Society—Theoretical Foundations for the Analysis of Fertility” (Lausanne); University of Minnesota (Minnesota Population Center).
- 2009 Bocconi University; Princeton University (Office of Population Research); United Nations Population Program (Expert Group Expert Group Meeting on Recent and Future Trends in Fertility).
- 2008 UCLA (California Center for Population Research); Ohio State University (Department of Sociology); University of Wisconsin (Center for Demography and Ecology); University of Pennsylvania (Center for AIDS Research); CUNY (Institute for Demographic Research).
- 2007 UC Berkeley (Department of Demography); University of Dortmund (Department of Statistics); Workshop on “Biodemography of Aging, Longevity, and Sociality” (Organizers: James Carey, Ronald Lee, Shripad Tuljapurkar, and Kenneth Wachter); Norwegian Academy of Science; Statistics Norway.
- 2006 Stanford University Workshop in Formal Demography.
- 2005 Vienna Institute for Demography; University of Chicago (Population Center); University of Washington (Department of Sociology); Duke University (Department of Sociology); University of North Carolina (California Population Center); Stanford University Workshop in Formal Demography; Workshop on “The Baby

- Bust: Who Will Do the Work? Who Will Pay the Taxes?" (Organizer: Fred Harris and Milton S. Eisenhower Foundation).
- 2004 Penn State University (Population Studies Center); University of Oklahoma (Department of Psychology); University of Michigan (Population Studies Center); Plenary lecture at the 2004 Meeting of the Human Behaviour and Evolution Society.

MEDIA COVERAGE AND PUBLIC PRESENTATIONS (SELECTED)

(Note: Click on titles for online access)

- New York Times*, February 29, 2016: "Women Waiting Longer to Have Children"
- Penn Current*, February 18, 2016: "Nearly 20 years of research on the AIDS epidemic in Malawi"
- Japan Times*, February 10, 2016: "Japan and its birth rate: the beginning of the end or just a new beginning?"
- Penn News*, December 10, 2015: "AIDS Treatment Benefits Health, Economics of People Without HIV, Penn Study Shows"
- Onmia—All Things Penn Arts & Science*, November 13, 2015: "A Global Agenda: Two Penn Scholars Seek to Influence Sustainable Development Dialogue"
- The Economist*, August 22, 2015: "Asia's new family values: Europe shows how Asia's demographic crisis might correct itself"
- The Economist*, December 12, 2015 "The young continent: With fertility rates falling more slowly than anywhere else, Africa faces a population explosion," *Huffington Post*, July 30, 2015 "Getting It Right on Population," *The Economist*, January 24, 2015 "The economics of optimism: The debate heats up about what goals the world should set itself for 2030" and *Wall Street Journal*, July 26–27, 2014 "Smart Aid for The World's Poor" (articles highlight findings of the 2014 Copenhagen Consensus Project, to which I have contributed (with Jere Behrman)
- Bloomberg View*, January 20, 2015: "Making Babies Makes a Comeback"
- Washington Post*, August 30, 2014: "WordViews: Why South Korea predicts its end will come in 2750"
- The Telegraph*, December 3, 2013: "OECD educational report: Pisa fever is causing east Asia's demographic collapse"
- New York Times*, September 6, 2013: "Fertility Rate Stabilizes as the Economy Grows"
- The Economist*, October 26, 2013: "The Other Arms Race: South Korea's Education Fever Needs Cooling"
- New York Times—Sunday Review*, June 8, 2013: "Only Children: Lonely and Selfish?"
- Slate*, June 11, 2013: "Why One Child Is Enough for Me—and Might Be for You A smaller family means all of the joy, less of the crap"
- Voice of America*, May 8, 2013: "Africa News Tonight"
- Slate*, May 4, 2012: "The Thorny Issue of Population Growth"
- Science Magazine*, July 29, 2011: "How to Engineer a Baby Boom"
- Time Magazine*, July 8, 2010: "The Only Child: Debunking the Myths".
- New York Magazine*, July 4, 2010: "All Joy and No Fun: Why Parents Hate Parenting".
- Washington Post*, August 10, 2009: "Highly developed nations see rise in fertility".
- Science Daily*, August 6, 2009: "Challenging Conventional Wisdom: Advances In Development Reverse Fertility Declines".
- New York Times, Dot Earth Blog*, August 6, 2009: "Fertility Rise for Richest - Boon or Trouble?"
- The Economist*, August 6, 2009: "A link between wealth and breeding: The best of all possible worlds?".
- Bloomberg News*, August 5, 2009: "Babies Are In: Fertility Rates Increase in Developed Nations".
- Nature Podcast*, August 5, 2009: "Burgeoning birth rates: In highly developed nations, birth rates are bucking the trend and are once again on the increase".
- Nature*, Editor's Summary, August 6, 2009: "Global population trends".
- Nature*, 460(August 6, 2009), News and Views: "Babies Make a Comeback".
- USA Today*, March 19, 2009: "2007 brings a record 4.31M babies; 40% of births among unmarried adult women".
- 60 Seconds Lecture*, University of Pennsylvania, September 24, 2008: "Children - the Pursuit of Happiness?". <http://www.youtube.com/watch?v=rMcwIyeMZ3w>.
- CQ Congressional Testimony*, September 18, 2008: "Role of Social Sciences in Public Health".
- UNAIDS 2008 Report on the Global AIDS Epidemic*, August 2008: "The role of concurrent partnerships in HIV epidemics".
- The Lancet*, August 8, 2008: "Know your epidemic, know your response: a useful approach, if we get it right".
- The Associated Press*, January 16, 2008: "More U.S. babies born, fertility rate up, defying low-birth trend in Europe".
- Wisconsin Public Radio*, July 22, 2008: Panel member to discuss fertility in the US on the Kathleen Dunn show. <http://www.wpr.org>.

- New York Times Magazine*, June 28, 2008 (cover story): “No Babies?”.
- Herald Tribune*, June 28, 2008: “Are Europe’s baby blues a crisis or an opportunity? Falling birthrates divide sociologists.”
- University of Pennsylvania, School of Arts and Sciences, Report on the *State of the School, 2005–2007*: “Social Networks and the Spread of HIV”.
- Allgäuer Zeitung*, October 11, 2007: “Ein Weltenbummler und begeisterter Forscher”.
- Frankfurter Allgemeine Zeitung*, March 18, 2007: “Wenn der Staat mit ins Bett steigt; Die Regierung will Kinder. Da ist Herr Müntefering gefordert, nicht Frau von der Leyen”.
- Arts & Sciences Magazine*, University of Pennsylvania, Winter 2006: “Formula for Happiness”.
- CN 8 Television*, July 2006: Live interview on recent U.S. fertility trends.
- Frankfurter Allgemeine Sonntagszeitung*, February 26, 2006: “Auf immer kinderlos, die deutsche Extratour”.
- SAS Frontiers*, University of Pennsylvania, 2006: “Formula for Happiness: A sociologist and an economist weigh the roles of partners and children in the happy life”.
- Frankfurter Allgemeine Zeitung*, March 27, 2006: “Ein Begrüßungsgeld für Kinder wäre gut”.
- Penn Current*, University of Pennsylvania, February 23, 2006: “One baby or two? Study looks at effect of having second child”.
- The International Herald Tribune*, September 4, 2006: “Europe, East and West, wrestles with birthrate”.
- CNN.com*, July 5, 2006: “U.S. about to have 300 million Americans”.
- The Associated Press*, July 5, 2006: “As U.S. approaches 300 million people, Europe frets about shrinking”.
- The Economist*, February 9, 2006: “The fertility bust”.
- Hobart Mercury* (Australia), July 15, 2006: “Decline and fall”.
- Der Spiegel*, January 17, 2005: “Eltern Glück mit Einzelkind.”
- Psychology Today*, January 1, 2005: “Why one kid may be enough”.
- Independent on Sunday* (London), March 20, 2005: “Daddy’s Dearest”.
- The Straits Times* (Singapore), August 31, 2003: “A swing vote for babies”.
- Financial Times—Deutschland*, May 29, 2001: “Kinder haben, Karriere machen”.
- The Straits Times* (Singapore), September 10, 2000, (Review Cover Story): “Ciao baby, maybe later”.
- Schweriner Wissenschaftstage*, December 1–2, 2000: Plenary presentation on “Die Neue Demographie”.

RESEARCH SUPPORT

Active support:

- PI, NICHD R01 HD090988 (with Rachel Kidman) *Adverse childhood experiences and adolescent HIV risk: Causal inferences from a high HIV prevalence context*, 4/1/2016–3/30/2021, total costs approx. \$2.7m.
 Goals: Adverse childhood experiences (ACE) are potentially important social determinants of adolescent HIV risk. This project will expand the MLSFH to investigate the consequences, mediators, and moderators of childhood adversity on adolescent HIV risk, with the aim to explain why some adolescents engage in high risk behaviors and contract HIV, while others do not, and to identify modifiable targets for intervention.
- PI, NIA R21 AG053763 (with Adeline Delavande) *The Benefits of Knowledge: Mortality Risks, Mental Health and Life-Cycle Behaviors*, 2016–18, direct costs \$275k.
 Goals: This project will be the first study, for both high-income and low-income contexts, to provide RCT-based evidence about the potential effects on health and life-cycle behaviors of a health-information intervention targeted towards reducing misperceptions about mortality levels and related survival and disease perceptions.
- PI, University of Pennsylvania Research Foundation Pilot Grant and SAS Research Opportunity Grant *Understanding Global Family Change*, 2016, total costs approx. \$20,000.
 Goals: Support the development of a larger project on Global Family Change.
- PI, Leonard Davis Institute for Health Economics (LDI) Pilot Grant, *The Benefits of Knowledge: Mortality Risks, Mental Health and Life-Cycle Behaviors*, 2016, total costs approx. \$10,000.
 Goals: Support preliminary analyses and data collection for developing a health-information intervention that is targeted towards reducing misperceptions about mortality levels and related survival and disease perceptions in Malawi.
- Investigator, John Fell Research Fund, University of Oxford, *Kick-starting a Global Family Change Research Project*, 2015–16, total costs approx. \$10,000.
 Goals: Decades of sweeping demographic, economic and social change have radically transformed the structures, meaning and roles in families worldwide. This project aims to lay the groundwork for developing a

- series of life-course based indicators of family status over time, as measures of family change in a given nation or sub-region of a nation, that will be the basis of a larger project application on Global Family Change.
- Co-PI, ESRC MiSoC Conference and Capacity Building Grant, 2015–16, total costs approx. \$45,000.
Goals: Organize a conference on *Frontiers of Longitudinal Research in Malawi: Informing Health and Family Policies after the AIDS Epidemic* in collaboration with the Malawi College of Medicine (COM), Invest in Knowledge (IKI, the local collaborator of the MLSFH), the University of Essex and the University of Pennsylvania.
- Member of Executive Committee and Chair of the Leadership Team of MLSFH Sub-Project, Swiss Program for Research on Global Issues for Development R4D Grant *Inclusive social protection for chronic health problems* (PI: J. Maurer, University of Lausanne), 2016–19.
Goals: Collect unique longitudinal data that permit the causal impact of chronic illness on work capacity in informal economies, such as Malawi, and identify and evaluate the costs and the benefits of diagnosis and treatment programs that target the rising burden of chronic illness in low- and middle-income countries.
- Multi-PI (with Philip Angewicz and Michel Guillot), PSC/PARC/Boettner Pilot Award *Mental Health, Migration and Mortality among Mature Adults in Malawi*, 2015–16, total costs approx. \$28,000.
Goals: Investigate the effects of depression and anxiety on mortality, migration and related demographic behaviors in Malawi using the MLSFH Mature Adult cohorts aged 45 and older.
- Multi-PI (with Ayesha Kharsany), NICHD R01 HD083343 *Identifying sources of HIV infection in adolescent girls in rural South Africa*, 2015–20, direct costs approx \$1.5m.
Goals: This project utilizes an innovative approach to identify networks of HIV transmission, combining extensive epidemiologic sampling with phylogenetic analyses of HIV-1 sequence data and traditional sexual networking methods. Insights into the sexual networking patterns driving high HIV incidence in adolescent girls in rural South Africa could be critical for informing future design of HIV prevention interventions.
- Investigator, World Bank Project on *Evaluating the Impact of Selected Implementation Strategies to Create Increased Demand for Voluntary Medical Male Circumcision* (World Bank Contract 1149138/MALAWI awarded to Invest in Knowledge (IKI Malawi)), 2014–15, total costs approx \$450,000.
Goals: Establish the determinants of VMMC uptake in Malawi, and devise and evaluate effective demand generation strategies for VMMC.

Past support:

- P.I., NICHD T32-HD-007242, *Graduate Training in Demography*, 1987–2017 (Successfully renewed as PI during 2011–12), direct costs approx. \$1.25m.
Goals: The principal aim of the demography pre-doctoral program is to train independent researchers who are prepared to play leading roles in formal demography, social demography, population analysis, and the study of the health of populations.
- Co-PI, NICHD R21 HD071471 (Multi-PI Philip Anglewicz and Hans-Peter Kohler), *Migration and Health in Malawi*, 2012–14, direct costs approx. \$275,000.
Goals: This proposed study will address these two important gaps in research on the relationship between migration and health by addressing several central methodological challenges that often preclude establishing a causal connection between migration and health, and initiating a regional focus on SSA.
- Co-Faculty Sponsor, Provost Interdisciplinary Seminar Fund, University of Pennsylvania, Botswana 2.0: Moving Beyond Health. (P.I. Harvey Friedman). \$20,000.
Goals: Engaging schools at Penn in Addressing Current Challenges to Progress in Botswana.
- P.I., NICHD R01 RHD053781, *Consequences of High Morbidity and Mortality in a Low Income Country*, 2007–2014, direct costs approx. \$2.0m.
Goals: Create the Malawi Longitudinal Study of Families and Health (MLSFH), which will provide a rare record of more than a decade of demographic, socioeconomic and health conditions in one of the world's poorest countries, and study the mechanisms through which poor rural individuals, families, households, and communities cope with the impacts of high morbidity and mortality.
- Investigator, University of Botswana Research Foundation, *HIV/AIDS Knowledge, Attitudes and Practices of Older Adults in the Social Ecology of Botswana*, 2013–14, direct costs approx. \$50k.
Goals: The purpose of this formative study is to gain an in-depth understanding of older adults' experiences with HIV/AIDS, including individual, interpersonal, organizational, social/community and policy level factors, as well as providers' knowledge, attitudes and practices, that promote or inhibit primary and secondary prevention practices.
- Investigator, NIH R03 HD071122 (PI Stéphane Helleringer), *Sexual behaviors, sexual networks and reproductive health in Malawi*, 2012–14, direct costs approx. \$100k.
Goals: The main aim of this project is to document previously unobserved longitudinal dynamics of the sexual networks that make sex unsafe in Likoma (a small island of Northern Malawi). During this project,

we will describe, for the first time in a sub-Saharan setting, changes in the global structure of sexual networks and changes and individual trajectories within these networks and determine whether sexual and reproductive health outcomes are associated with the observed network structures.

P.I., University of Pennsylvania, Center for AIDS Research (CFAR) Developmental Award, *Mental Health, HIV and Aging in a Poor High-Risk Disease Environment*, 2011–13, direct costs approx. \$40k.

Goals: Investigate the mental health and cognitive function of elderly people in a high-risk high HIV-prevalence SSA context, and evaluate the feasibility of collecting more extensive data on mental health, depression and cognitive impairment as part of the Malawi Longitudinal Study of Families and Health (MLSFH).

P.I., NIA T32-AG-000177 (PIs: H.-P. Kohler and S. Preston), *Demography of Aging Training Grant*, 1998–2013.

Goals: The principal aim of the population and aging pre-doctoral program is to train independent researchers who are prepared to play leading roles in social and formal demography and biodemography as these approached relate to aging.

P.I. University of Pennsylvania, Institute on Aging, *Aging, Resource Networks and Mental Health in a Poor High-Risk Disease Environment*, 2011–12, direct costs approx. \$50k.

Goals: The project tests the hypothesis that the availability of and/or access to family resource networks, intergenerational/lateral transfers and social support can buffer the impacts on mental health of the HIV / AIDS epidemic and its associated social and economic shocks.

Investigator, University of Pennsylvania Institute on Aging (P.I. Katherine Abbott), *Social Networks in Long-Term Care: Enhancing Existing Approaches to Measurement*, 2010–11, direct costs approximately \$50k.

Co-P.I., NICHD R03 HD058976 (P.I. Adeline Delavande), *Subjective Expectations and Health-Related Behavior in Malawi*, 2009–2011, direct costs approx. \$100k.

Goals: Analyze, for the first time in a sub-Saharan context, newly-collected, large-scale and exceptionally detailed data on probabilistic subjective expectations in order to evaluate the interaction between subjective expectations and health-related decision-making in high morbidity and mortality contexts.

Investigator, Francis E. Parker Memorial Home (P.I. Katherine Abbott), *Social Networks in Long-term Care: Pilot Testing Novel Approaches to Measurement*, 2010–11, direct cost approx. \$25k.

Goals: Develop new measures that facilitate the investigation of the social networks of adults in residential long-term care facilities, with a particular focus on the relationship between the nature and severity of impairments and social, support, and care networks.

P.I., PARC/Boettner/NICHD Pilot Award Pilot Grant, University of Pennsylvania (Co-P.I. Beth Soldo), *Biomarkers in Malawi: Inflammation and CRP*, 2008–09, direct costs approx. \$100k.

Goals: To collect innovative and extensive biomarker data, for the first time using blood-plasma-based tests kits in a population-based sample of a rural sub-Saharan population, for about 1,000 individuals, and evaluate their overall health, well-being and co-morbidity using biomarker-based health indicators.

Investigator, U.K. Economic and Social Research Council/Hewlett Foundation (P.I. Marcos Vera-Hernandez), *Effects of Reproductive Health on Poverty in Malawi*, 2008–2010, direct costs approx. £300k.

Goals: To investigate the causal impact of reproductive health on poverty in Sub-Saharan Africa, using the highly policy-relevant context of Malawi, a country in which poverty and poor reproductive health are widespread.

Faculty Sponsor, Penn Distinguished International Scholars Grant to support Francesco Billari's sabbatical visit to the University of Pennsylvania during 2008–09, direct costs approx. \$25k.

P.I., NICHD R01 HD043417 (Co-P.I. Behrman), *Bio-Social Determinants of Fertility and Related Behaviors*, 2003–09, direct costs approx. \$800k.

Goals: In the proposed project, we will use large-scale, population-based and longitudinal Danish twin data on fertility, fertility related behaviors and well-being to empirically investigate and theoretically conceptualize bio-social determinants of fertility and related behaviors. The data for these analyses will be partially collected in the course of the proposed project, but much of the project involves existing data already available in the Danish Twin Registry.

P.I., PARC/Boettner/NICHD Pilot Award Pilot Grant, University of Pennsylvania (Co-P.I. Stéphane Helleringer), *An assessment of contact tracing as a strategy of HIV control in sub-Saharan Africa*, 2008–09, direct costs approx. \$30k.

Goals: Evaluate the potential benefits and the feasibility of a contact tracing intervention to curtail the spread HIV / AIDS in sub-Saharan Africa by using innovative and usual data collected as part of the Likoma Network Study in Malawi.

P.I., PARC/Boettner/NICHD Pilot Award Pilot Grant, University of Pennsylvania, *A population-based study of the transmission and diversification of HIV-1 using molecular genetic and complete sexual network data*, 2007-08 (funding conditional on NIA approval), direct costs approx. \$40k.

Goals: Create the first large-scale complete-sexual-network study with detailed phylogenetic data in sub-Saharan Africa by complementing the already funded second wave of a unique population-based survey of sexual networks on Likoma Island (Malawi) genetic sequencing of all identified HIV-1 cases in the study population.

P.I., University Research Foundation, University of Pennsylvania, *HIV Voluntary Counseling and Testing (VCT) in Mchinji District, Malawi: A Complete District Surveillance Study on Uptake and Attitudes, 2006–07*, direct costs approx. \$22k.

Goals: Create a unique database in sub-Saharan Africa that combines high-quality population-based registration of VCT/ART clinic attendance, clinic-based and follow-up survey data, and social/spatial network data, and use these data to analyze the trends, determinants and equity of VCT uptake and ARV enrollment in resource-poor settings.

PI, Mellon Foundation, *HIV Voluntary Counseling and Testing (VCT) in Mchinji District, MALAWI: a complete district surveillance study on uptake and attitudes, 2006–08*, direct costs approx. \$30,000.

Goals: Expansion of the above URF-funded study. P.I., Supplement to NICHD R01 HD044228 *HIV/AIDS, VCT and the Dynamics of Sexual & Social Networks, 2006–07*, direct costs approx. \$100k.

Goals: The overall goal of this supplement is to create the first longitudinal data on complete sexual and social networks in sub-Saharan Africa (SSA) that include biomarkers for HIV and rich socioeconomic information, and investigate the individual- and population-level structures and dynamics of sexual and social networks in a sub-Saharan African population with high HIV/AIDS prevalence.

P.I., NICHD R21 HD050652 *Incentives, Information and Sexual Relations in Malawi, 2005–2007*, direct costs approx. \$275k.

Goals: Collect innovative data on expectations, randomized incentive payments and sexual behaviors, and analyze the response of sexual relations, household dynamics, and information-seeking to randomized direct monetary incentives for participating in voluntary counseling and treatment (VCT) and for maintaining a HIV negative status.

Consultant and Member of Working Group on Parenthood, NICHD Contract N01 HD-3-3354 Contract RFP 2003-03 (PI: Philip S. Morgan), *New Approaches to Explaining Family Change and Variation, 2003–2008*.

Goals: development and execution of a substantive, interdisciplinary research-based planning process to develop innovative models for research and data collection that will address the question: what drives family change and variation in the United States?

P.I., NICHD R01 HD044228 (Co-P.I. Behrman and Watkins), *AIDS/HIV Risk, Marriage and Sexual Relations in Malawi, 2003–07*, direct costs approx. \$850k.

Goals: Complement an existing stratified random longitudinal social science and biomarker data collection of married women aged 15 to 49 in 1998 and their husbands on HIV/AIDS, social interactions and prevention strategies in rural Malawi, analyze adaptation in relationship patterns in response to variation in risk environment over time and regions, and investigate joint household decisions on AIDS relevant behaviors such as condom use.

Consultant, NICHD R01 HD048715 (P.I. David Kertzer, Brown University), *Explaining very low fertility, 2004–2007*.

Goals: Examine one of the most extreme instances of contemporary fertility decline, the case of Italy, by employing an innovative approach bringing together anthropologists, sociologists, and demographers.

P.I., PARC/Boettner/NICHD Pilot Award Pilot Grant, University of Pennsylvania, *HIV/AIDS and Complete Sexual and Social Networks in Rural Malawi, 2005–2006*, direct costs approx. \$30k.

Goals: Collect complete sexual and social network data in selected rural Malawi villages for male and female young adults, and analyze the relationship between the position in sexual and social networks and reported HIV risk infection, AIDS prevention strategies, sexual and marital histories and respondent's socioeconomic status.

Co-investigator NICHD R01 HD046144 (P.I. Behrman) *Causal Effects of Schooling on Adult and Child Health, 2003–06*, direct costs approx. \$600k.

Goals: To analyze five data sets from different birth cohorts of identical twins in three different countries (China, Denmark, United States) to investigate how the estimated effects of schooling on adult and child health differ with *twins method* control for endowments.

Co-investigator, NICHD R01HD/MH41713 (Co-P.I. Watkins and Behrman), *Gender, Conversational Networks and Dealing with STDs, 2001–2006*.

Goals: Collect several rounds of quantitative and qualitative data in rural Malawi and investigate the role of informal social networks and gender differences in spreading information about and coping with STDs.

Consultant, NSF 0418443 (P.I. David Kertzer, Brown University), *Explaining very low fertility, 2004–2005*.

Goals: Employ innovative multidisciplinary methodology and cutting-edge theory to seek a better explanation for very low fertility by focusing on Italy.

- P.I., University Research Foundation, University of Pennsylvania *Information, Incentives and HIV/AIDS Prevention*, 2004–2005, direct costs approx. \$20k.
Goals: Support the implementation of a randomized VCT experiment in rural Malawi.
- P.I., Population Aging Research Center (PARC) P30-AG-12836 (Co-P.I. Jere Behrman) *Adding Social Security and Medicare Data to the NRC/NAS Twin Registry*, 2003–2004, direct costs approx. \$100k.
Goals: The principle goal of the project is to link the NRC/NAS Twin Registry, including approximately 11,700 individuals in MZ and 15,016 individuals in DZ twin pairs, with the Social Security Administration (SSA) and Medicare Records available through the Center for Medicare Services (CMS).
- P.I., School of Arts and Sciences, University of Pennsylvania SAS Instructional Technology Grant *SAS Instructional Technology Grant for Sociology 530 Demographic Behavior, Population & Social Change*, 2003–2003, direct costs approx. \$5k.
- Co-investigator, PARC Pilot Project Fund (P.I. Iliana Kohler), *Selection Processes and Ethnic/Socioeconomic Differences in Mortality and Morbidity*, 2002–03, direct costs approx. \$25k.
Goals: Develop methods to control for selection and unobserved heterogeneity in analyses of mortality and morbidity differences using twins data.
- Co-investigator, PARC Pilot Project Fund (P.I. Iliana Kohler), *Health Disparities in the Older Population of the US and Mexico*, 2003–2004 direct costs approx. \$25k.
Goals: The principle aim is to investigate health disparities among the elderly and old population by socioeconomic status, race, and ethnicity in the United States and Mexico, and to propose potential explanations for the differential increase of the mortality and morbidity trajectories observed between various population groups.
- Consultant, NICHD R01 HD37276 (Co-P.I. Jere Behrman) *Social Interactions and Reproductive Health*, 1999–2003.
Goals: Collect round of Kenyan data that adds to previously existing longitudinal data base to create a panel over seven years for about 800 households. Analyze impact of social networks on family planning and copying with AIDS exploiting longitudinal features of the data.
- P.I., European Science Foundation EURESCO funding for two conferences on the Second Demographic Transition in 2001 and 2003.
- P.I., German American Council, TransCoop Program (Co-P.I. Behrman and Watkins) *The Effect of Social Interaction on the Adoption of Modern Family Planning and AIDS Prevention Measures in Kenya and Malawi*, 1999–2002.

Fellowships:

- SRC-MacArthur Foundation: Fellowship for Peace and Security in a Changing World, 9/1995–8/1997.
- Deutscher Akademischer Austauschdienst (German Academic Exchange Service): Fellowship for studies at University of California at Berkeley, 8/1992–6/1993.
- Bayrische Hochbegabtenförderung (Bavarian fellowship for highly talented students), 10/1987–10/1991.
- German National Member Organization of IIASA: Stipend, 6/1995–9/1995
- Germanistic Society of America: Fellowship, 8/1993–6/1994.
- Carl Duisberg Gesellschaft (CDG): Stipends for internships in Japan (10/1990–3/1991) and USA (1/1987–6/1987).

TEACHING

Year Course

Year	Course
University of Pennsylvania	
2016	Soc/Demg 796: <i>Demographic, Economic and Social Interrelations</i> (graduate level) Soc/Hsoc 111: <i>Health of Populations</i> (undergraduate level) Soc/Demg 607 <i>Introduction to Demography</i> (graduate level)
2015	Soc/Hsoc 111: <i>Health of Populations</i> (undergraduate level) Soc/Demg 622: <i>Fertility</i>
2014	Soc/Demg 796: <i>Demographic, Economic and Social Interrelations</i> (graduate level)
2012	Soc/Demg 796: <i>Demographic, Economic and Social Interrelations</i> (graduate level) Soc/Hsoc 111: <i>Health of Populations</i> (undergraduate level)
2011	Soc/Demg 708: <i>Seminar in Demographic Research</i> Soc/Hsoc 111: <i>Health of Populations</i> (undergraduate level)
2010	Soc/Demg 796: <i>Demographic, Economic and Social Interrelations</i> (graduate level) Soc/Demg 634: <i>Population Processes II</i> (graduate level; co-taught with Emilio Parrado)

Year	Course
2009	Soc/Demg 708: <i>Seminar in Demographic Research</i> (graduate level)
2008	Soc/Demg 634: <i>Population Processes II: Fertility and the Family</i> (graduate level) Soc/Demg 796: <i>Demographic, Economic and Social Interrelations</i> (graduate level)
2006	Soc/Demg 796: <i>Demographic, Economic and Social Interrelations</i> (graduate level) Soc/Demg 634: <i>Population Processes II: Fertility and the Family</i> (graduate level)
2005	Soc 007: <i>Population and Society</i> (undergraduate level) Soc/Demg 796: <i>Demographic, Economic and Social Interrelations</i> (graduate level)
2004	Soc 007: <i>Population and Society</i> (undergraduate level) Soc 535: <i>Quantitative Methods in Sociology I</i>
2003	Soc 530: <i>Demographic Behavior, Population and Social Change</i> (undergraduate level) Soc/Demg 796: <i>Demographic, Economic and Social Interrelations</i> (graduate level)
University of California at Berkeley	
2002	Demog 210: <i>Demographic Methods: Rates and Structures</i> (graduate level) Demog 110: <i>Demographic Methods: Introduction to Population Analysis</i> (undergraduate level)

Other courses:

- Biodemography of fertility and Models of fertility, Stanford Workshop in Formal Demography (Summer 2005 and Summer 2006).
- MP 222: Contemporary Fertility - Theory and Methods (graduate level), International Max Planck Research School for Demography, winter semester 2001/02 (with J. A. Ortega).
- MP 340: Topics in Economic Demography I: Microeconomic Approaches to Demographic Behavior (graduate level), International Max Planck Research School for Demography, winter semester 2000/01.

DISSERTATION SUPERVISION**Dissertation chair:**

- Alex Shpennev (Ph.D. expected spring 2017). Dissertation Title: *Three essays on social context, education, and health outcomes among older adults.*
- Julio Romero Prieto (Ph.D. expected 2016). Dissertation Title: *Three Essays on Population Dynamics.*
- Helena Castanheira (Ph.D., 2015, University of Pennsylvania). Dissertation Title: *Social and Demographic Determinants of Low Fertility in Brazil.*
- Thomas Anderson (Ph.D., 2015, University of Pennsylvania). Dissertation Title: *Essays on the Social, Economic and Demographic Causes and Consequences of Low Fertility.*
- Collin Payne (Ph.D., 2015, University of Pennsylvania). Dissertation Title: *Health and Aging in Low-Resource Contexts: Three Essays on Healthy Life Expectancy in the Developing World.*
- Theresa M. Fedor (Ph.D., 2014, University of Pennsylvania). Dissertation Title: *Changes in HIV/AIDS Knowledge, Attitudes and Behaviors in Malawi.*
- Maria Sironi (Ph.D., 2013, University of Pennsylvania). Dissertation Title: *The transition to adulthood in the developed western world: a focus on the achievement of economic independence and on the role of family background.*
- S. Afua Appiah-Yeboah (Ph.D., 2013, University of Pennsylvania). Dissertation Title: *The Role of Household Wealth, Family Transfer Behaviors and Maternal Social Capital on Children's Human Capital in Rural Malawi.*
- Sophia Chae (Ph.D., 2013, University of Pennsylvania). Dissertation Title: *Essays on Family Structure and Marriage in Sub-Saharan Africa.*
- Marissa Wheeler (Ph.D., 2011, University of Pennsylvania). Dissertation Title: *Three Essays on Low and Late Fertility.*
- Ruben Castro (Ph.D. with distinction, 2011, University of Pennsylvania). Dissertation Title: *Three essays on mortality and fertility.*
- Whitney Schott (Ph.D., 2011, University of Pennsylvania). Dissertation Title: *Labor Force Participation of Women with Children.*
- Monica Grant (Ph.D., 2009, University of Pennsylvania). Dissertation Title: *Education, HIV Risk Perceptions, and Adolescent Sexual Behavior in Rural Malawi.*
- Philip Anglewicz (Ph.D. with distinction, 2007, University of Pennsylvania). Dissertation Title: *Migration, HIV Infection, and Risk Perception in Malawi.*
- Stéphane HELLERINGER (Ph.D. with distinction, 2007, University of Pennsylvania). Dissertation Title: *Sexual Network Structure, Diffusion and prevention of HIV Within Populations: A Case Study Using Complete Network Data in Likoma Island.*

Dissertation committee member:

- Nikkil Sudharsanan (Ph.D. expected spring 2017). Dissertation Title: *A Global Perspective on Aging and Inequality*.
- David Frankenfield (Ph.D., 2016, University of Pennsylvania). Dissertation Title: *Three Essays on Mortality, Health, and Migration*.
- Laura Kelly (Ph.D., 2016, University of Pennsylvania). Dissertation Title: *Three Essays on the Behavioral, Socioeconomic, and Geographic Determinants of Mortality: Evidence from the United Kingdom and International Comparisons*.
- Daniella Marshall (Ph.D., 2015, University of Pennsylvania). Dissertation Title: *Early Childhood Development and Parental Decisions*.
- Stephen Cranney (Ph.D., 2015, University of Pennsylvania). Dissertation Title: *Relationship Between Religious Frameworks and Sense of Purpose/Subjective Well-being*.
- Ning Hsieh (Ph.D., 2014, University of Pennsylvania). *Social Networks, Social Support, and Mental Health: Three Studies from a Cross-national Comparative Perspective*.
- Brian Chin (Ph.D., 2011, University of Pennsylvania). Dissertation title: *Essays on health, mortality, and intergenerational transfers in rural Malawi*.
- Maria Cecilia Calderon (Ph.D., 2009, University of Pennsylvania). Dissertation Title: *Gender Inequalities, Human Capital and Development in Guatemala*.
- Brooke Amanda Levandowski (Ph.D., 2008, University of North Carolina, Chapel Hill). Dissertation Title: *Association of STI/HIV Infection with Reported Behavior Change and Concurrency Among Rural Youth in South Africa and Malawi*.
- Erica Soler-Hampejsek (Ph.D., 2008, University of Pennsylvania). Dissertation Title: *Schooling, Gender, and Marriage in Guatemala*.
- Francis Obare (Ph.D., 2007, University of Pennsylvania). Dissertation Title: *Response to Population-based Voluntary Counseling and for HIV in Rural Malawi*.
- George Reniers (Ph.D, 2006, University of Pennsylvania). Dissertation Title: *HIV/AIDS Surveillance and Behavioral Change in Populations Affected by the AIDS Epidemic*.
- Robert Mswia (Ph.D., 2006, University of Pennsylvania). Dissertation Title: *Mortality in the Era of HIV/AIDS in Tanzania*.
- Sarah Hayford (Ph.D., 2005, University of Pennsylvania). Dissertation Title: *Fertility and Marriage in an Era of Family Change*.
- Sheela Kennedy (Ph.D., 2005, University of Pennsylvania). Dissertation Title: *Education and Family Change: A Comparative Study of Shifts in the Timing and Structure of Family Formation*.
- Fernando Riosmena (Ph.D, 2005, University of Pennsylvania). Dissertation Title: *Within, Between, and Beyond Space-Time: Three Essays on Latin America-US Migratory Dynamics*.
- Sarah Winslow-Bowe (Ph.D, 2005, University of Pennsylvania). Dissertation Title: *Husbands' and Wives' Relative Income: An Analysis of Persistence and Variation*.
- Solène Lardoux (Ph.D., 2004, University of Pennsylvania). Dissertation Title: *Polygyny, First Marriage and Fertility in Senegal and Mali*.
- Hongyu Wang (Ph.D., 2004, University of Pennsylvania). Dissertation Title: *The performance of multiple imputation for missing data in the context of Cox regression model*.
- Kevin Thomas (Ph.D., 2004, University of Pennsylvania). Dissertation Title: *The Demography of Migrant Populations in South Africa*.
- Laura Bernardi (Ph.D., 2002, Università degli Studi di Roma La Sapienza). Dissertation Title: *Personal Relationships and Reproductive Choices: Evidence from a Low Fertility Context*.
- Karsten Hank (Ph.D., 2001, University of Rostock. Dissertation Title: *Regional Social Contexts and Fertility in Western Germany: A Multilevel Approach*.

PROFESSIONAL ACTIVITIES AND DEPARTMENTAL SERVICE

Departmental service and university service, University of Pennsylvania:

- Member, Faculty Planning Group, Initiative on Quantitative Explorations of Evolving Systems, 2016–
- Member, University of Pennsylvania, SAS Faculty Advisory Committee on IT (FACIT), 2015–
- Member, University of Pennsylvania, SAS Dean's Council on Innovation, 2013–
- Member, University of Pennsylvania Human Research Advisory Committee: 2013–15
- Chair, Graduate Group of Demography: 2008–13
- Director, NICHD T32 Training Program in Demography: 2009–15

Member, Executive Committee, Department of Sociology: 2011-12
 Member, Personnel Committee, School of Arts and Sciences: 2008-11
 Member, Hearing Board for the Student Disciplinary System, University of Pennsylvania: 2009-11
 Member, Hearing Board for the Code of Academic Integrity, University of Pennsylvania: 2009-11
 Member, Fulbright Selection Committee, Ctr for Undergraduate Research University of Pennsylvania, 2010/11, 2011/12, 2015/16
 Mentor, The Leadership Alliance Summer Mentoring Program, University of Pennsylvania: Summer 2011
 Member, Executive Committee, Population Studies Center: 2008-
 Member, Executive Committee, Population Aging Research Center: 2012-
 Member, Personnel Committee, Department of Sociology: 2008/09; Spring 2011
 Chair, Admissions Committee, Graduate Group of Demography: 2008/09, 2010/11, 2012/13
 Member, Admissions Committee, Graduate Group of Demography: 2002/03, 2003/04, 2004/05, 2005/07, 2007/08, 2009/10, 2011/12
 Chair, Master's examination committee, Graduate Group of Demography: 2003/04, 2007/08
 Member, Master's examination committee, Graduate Group of Demography: 2009/10, 2010/11, 2011/12, 2012/13
 Chair, Ph.D. Examination Committee, Graduate Group of Demography: 2007/08, 2013/14, 2015/16
 Member, Ph.D. Examination Committee, Graduate Group of Demography: 2002/03, 2004/05, 2006/07
 Member, Admissions Committee, Department of Sociology: 2003/04, 2008/09, 2009/10, 2010/11, 2011/12, 2012/13
 Member, Demography Search Committee: 2006/07
 Chair, Junior Search Committee, Department of Sociology: 2004/05
 Member, Graduate Committee, Department of Sociology: 2003/04, 2008-13 (ex officio as GGD chair), 2015/16
 Chair, Computing Committee, Department of Sociology: 2003/04, 2013/14
 Organizer, Population Studies Center Colloquium Series: 2005/06

Population Association of America and Other Professional Associations

Member of PAA Nomination Committee (2016-)
 PAA Mindel Sheps Award Committee (member for 2014 award and chair for 2016 award)
 Member of Review Panel, NSF Graduate Research Fellowship Program (2016 awards)
 Council Member, Sociology of Population Section, American Sociological Association (ASA) (2012-)
 Editorial Board Member, *Demography* (2010-13)
 Editorial Board Member, *Biodemography and Social Biology* (2009-)
 Editorial Board Member, *Social Forces* (2009-10)
 Editorial Board Member, *Advances in Life Course Research* (2008-)
 PAA Clifford C. Clogg Award Committee (for 2008 and 2010 awards)
 President, *Society of Biodemography and Social Biology* (2007-12)
 Member, NIH study section on *Behavioral and Social Science Approaches to Preventing HIV* (2007-11); Member, NIA and NICHD T32 Review Panel (2010, 2015)
 Associate Editor, *Demographic Research* (2002-08)

Review:

Reviewer for *Advances in Life-Course Research*, *American Economic Review*, *American Journal of Economics*, *American Journal of Sociology*, *Austrian Science Fund*, *American Sociological Review*, *Demographic Research*, *Demography*, *European Journal of Population*, *European Research Council*, *Journal of Development Economics*, *Journal of Economic Growth*, *Journal of Human Resources*, *Journal of Marriage and the Family*, *Journal of Mathematical Sociology*, *Journal of Population Economics*, *MIT Press*, *Population Research and Policy Review*, *Population Studies*, *Population and Development Review*, *Proceedings of the National Academy of Sciences*, *Proceedings of the Royal Society*, *Social Forces*, *Social Science and Medicine*, *Springer Verlag*, *Studies in Family Planning*, *U.S. National Institute of Health*, *U.S. National Science Foundation*, *Vienna Yearbook for Population Research*, *Wellcome Trust*, and several other journals and organizations

Other professional activities:

Co-Organizer of conference *Frontiers of Longitudinal Research in Malawi: Informing Health at the College of Medicine*, University of Malawi (2016) and *Family Policies after the Peak of the AIDS Epidemic*
 Organizer of session on Low Fertility, 2007 Annual Meetings of the Population Association of America.
 Organizer of sessions on Fertility, 2006 Annual Meetings of the European Society for Population Studies.
 Chair and Organizer of an EURESCO conference series on the *Second Demographic Transition* (2001, 2003, with Aart Liefbroer).

Initiator and Organizer of MPIDR workshops on *Lowest Low Fertility* (1998, 1999), *Social Interactions and Demographic Behavior* (1999), *Nonlinear Demography* (2000, with Alexia FÄajrnkranz-Prskawetz), *Biodemography of Fertility* (2000, with Joseph L. Rodgers), and *Lowest-Low Fertility in Southern Europe* (with Francesco Billari).

Co-Organizer of University of Pennsylvania conferences on *Panel research on HIV/AIDS and other sexually transmitted infections in sub-Saharan Africa* (2006) and *Demographic Aspects of HIV/AIDS in Rural Malawi* (2002).