

Curriculum Vitae
COLLIN FREDERICK PAYNE
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OFFICE:

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EMPLOYMENT

2018- Lecturer (Assistant Professor) of Demography, The Australian National University
2015-17 David E. Bell Fellow, Center for Population and Development Studies, Harvard University

EDUCATION

2015 Ph.D., Demography, University of Pennsylvania (with distinction)
Dissertation: "Health and Aging in Low-Resource Contexts: Three Essays on Healthy Life Expectancy in the Developing World"
Committee: Hans-Peter Kohler (chair), Michel Guillot, Paul Allison
2011 M.A., Demography, University of Pennsylvania
2008 B.A., Sociology (Concentration in Analysis and Research), University of Wisconsin

PUBLICATIONS IN PEER-REVIEWED JOURNALS (* DENOTES SENIOR AUTHORSHIP)

- Guillot, Michel, and **Collin F. Payne**. "Which Cohort is Currently Reaching its Life Expectancy? Estimating and Interpreting Lagged Cohort Life Expectancy (LCLE)." Accepted for publication at *Population Studies*, January 14, 2019.
- Liu, Zuyun, Ling Han, Qiushi Feng, Matthew E. Dupre, Danan Gu, Heather G Allore, Thomas M. Gill, and **Collin F. Payne***. 2019. "Are China's oldest-old living longer with less disability? A longitudinal modeling analysis of birth cohorts born 10 years apart". *BMC Medicine*.
<https://doi.org/10.1186/s12916-019-1259-z>.
- Payne, Collin F.**, Luca Maria Pesando, and Hans-Peter Kohler. 2019. "Private Intergenerational Transfers, Family Structure, and Health in a sub-Saharan African Context." *Population and Development Review*. <https://doi.org/10.1111/padr.12225>.
- Harling, Guy, **Collin F. Payne**, Justine I Davies, F Xavier Gomez-Olive, Kathleen Kahn, Lenore Manderson, Farrah J Mateen, Stephen M Tollman, and Miles D Witham. 2019. "Impairment in activities of daily living, care receipt and unmet need in an older rural South African population: findings from the HAALSI study." *Journal of Aging and Health*. <https://doi.org/10.1177/0898264318821220>.
- Geldsetzer, Pascal, Maria Vaikath, Ryan Wagner, Julia K. Rohr, Livia Montana, F. Xavier Gómez-Olivé, Molly S. Rosenberg, Jennifer Manne-Goehler, Farah J. Mateen, **Collin F. Payne**, Kathleen Kahn, Stephen M. Tollman, Joshua A. Salomon, Thomas A. Gaziano, Till Barnighausen, Lisa F. Berkman. 2018. "Depressive symptoms and their relation to chronic diseases and socio-demographic characteristics among older adults in rural South Africa: A cross-sectional population-based study." *The Journals of Gerontology Series A: Medical Sciences*. <https://doi.org/10.1093/gerona/gly145>.
- Payne, Collin F.**, Justine I Davies, F Xavier Gomez-Olive, Katherine Hands, Kathleen Kahn, Lindsay C Kobayashi, Brent Tipping, Stephen M Tollman, Alisha Wade, Miles D Witham. 2018. "Cross-sectional relationship between Hemoglobin concentration and measures of physical and cognitive function in an older rural South African Population." *Journal of Epidemiology and Community Health*. <http://doi.org/10.1136/jech-2018-210449>.
- Gomez-Olive, F. Xavier., Livia Montana, Ryan G. Wagner, Chodziwadziwa Kabudula, Julia K. Rohr, Kathleen Kahn, Till Barnighausen, Mark Collinson, David Canning, Thomas Gaziano, Joshua A. Salomon, **Collin F. Payne**, Alisha Wade, Stephen M. Tollman, Lisa Berkman. 2018. "Cohort Profile: Health and Aging in Africa: A Longitudinal Study of an INDEPTH Community in South Africa

(HAALSI).” *International Journal of Epidemiology*. <https://doi.org/10.1093/ije/dyx247>

- Payne, Collin F.**, Justine Davies, Alisha Wade, Xavier Gomez-Olive, Chodziwadziwa Kabudula, Steve Tollman, Kathy Kahn, Angela Chang, Josh Solomon, Lisa Berkman, and Miles Witham. 2017. “Development and validation of a frailty index in an older rural African population: findings from the HAALSI cohort study” *BMC Geriatrics*. <https://doi.org/10.1186/s12877-017-0694-y>
- Payne, Collin F.**, Iliana Kohler, Chiwoza Bandawe, Kathy Lawler, and Hans-Peter Kohler. 2017. “Cognition, Health, and Well-Being among Older Adults in Rural Sub-Saharan Africa.” *European Journal of Population*. <https://doi.org/10.1007/s10680-017-9445-1>
- Kobayashi, Lindsay C., Maria Glymour, Kathleen Kahn, **Collin F. Payne**, Ryan G. Wagner, Livia Montana, Farrah Mateen, Stephen M. Tollman, Lisa F. Berkman. 2017. “Childhood deprivation and later-life cognitive function in a population-based study of older rural South Africans.” *Social Science and Medicine* 190: 20-29. <https://doi.org/10.1016/j.socscimed.2017.08.009>
- Kohler, Iliana V., **Collin F. Payne**, Chiwoza Bandawe, and Hans-Peter Kohler. 2017. “The Demography of Mental Health among Mature Adults in a Low-Income High HIV-Prevalence Context”. *Demography* 54(4): 1529-1558. <https://doi.org/10.1007/s13524-017-0596-9>
- Payne, Collin F.**, and Hans-Peter Kohler. 2017. “The Population-Level Impact of Public-Sector ART Rollout on Adult Mortality in Rural Malawi.” *Demographic Research* 36: 1081-1108. <https://doi.org/10.4054/DemRes.2017.36.37> (Editor’s Choice article)
- Payne, Collin F.**, F. Xavier Gomez-Olive, Kathleen Kahn, and Lisa Berkman. 2017. “Physical function in an aging population in rural South Africa: Findings from HAALSI and cross-national comparisons with HRS sister studies” *Journals of Gerontology Series B: Social Sciences* 72(4): 665-679. <https://doi.org/10.1093/geronb/gbx030>
- Payne, Collin F.** 2015. “Aging in the Americas: Disability-Free Life Expectancy among Adults Age 65 and Older in the United States, Costa Rica, Mexico, and Puerto Rico.” *The Journals of Gerontology Series B: Social Sciences*. 73(2), 337–348. <https://doi.org/10.1093/geronb/gbv076>.
- Payne, Collin F.**, James Mkandawire, and Hans-Peter Kohler. 2013. “Disability Transitions and Health Expectancies among Adults 45 and over in Malawi: A Cohort Modeling Approach.” *PLOS Medicine* 10(5): e1001435. <https://doi.org/10.1371/journal.pmed.1001435>
- Curtis, Katherine J. and **Collin F. Payne**. 2010. “The Differential Impact of Mortality of American Troops in the Iraq War: The Non-Metropolitan Dimension.” *Demographic Research* 23:41-62. <https://doi.org/10.4054/DemRes.2010.23.2>
- Payne, Collin F.** 2009. “The Effects of Religious Switching at Marriage on Marital Stability and Happiness.” *Sociological Insight* 1:14-30.

PAPERS UNDER REVIEW

- Chang, Angela Y., F. Xavier Gómez-Olivé, **Collin F. Payne**, Julia Rohr, Jennifer Manne-Goehler, Alisha N. Wade, Nigel Crowther, Ryan G. Wagner, Livia Montana, Joshua A. Salomon. “Epidemiology and determinants of chronic multimorbidity and its impact on physical and mental functioning among older population in rural South Africa.” *Under review*.
- Payne, Collin F.**, and Rebeca Wong “Expansion of disability across successive Mexican birth cohorts, 2001-2015: a prospective longitudinal modeling approach.” *Under review*.
- Myroniuk, Tyler W. and **Collin F. Payne**. “The Longitudinal Dynamics of Household Composition and Wealth in a Rural Sub-Saharan African Context.” *Under review*.

MANUSCRIPTS IN PREPARATION

- Payne, Collin F.**, Farrah Mateen, Lindsay Kobayashi, Kathy Kahn, and Lisa Berkman. “Adverse life events and late-life wellbeing: Risk and resilience in an aging post-Apartheid South African cohort.”
- Sudharsanan, Nikkil, **Collin F. Payne**, William H. Dow, and Eileen Crimmins. “Socioeconomic Status and Adult Mortality in Low- and Middle-Income Countries.”
- Payne, Collin F.**, and Lindsay Kobayashi. “Investigating gender-based disparities in later-life cognitive health

among older adults in rural South Africa.”

Payne, Collin F., and Nikkil Sudharsanan. “Rising Older-Age Disability across Birth Cohorts in the United States: Estimating the Role of Changing Mortality Selection”.

Kohler, Iliana V., **Collin F. Payne**, Chiwoza Bandawe, and Hans-Peter Kohler. “Longitudinal Changes in Cognitive Health among Mature Adults in a Low-Income Sub-Saharan African Context.”

Do, Duy, **Collin F. Payne**, and Hans-Peter Kohler. “Educational Investment, School Enrollment, and Grade Repetition: The Role of Neighborhood Peer Effects in Malawi.”

MAJOR GRANT SUPPORT

- 2019-2022 Primary Investigator, *The Future of Ageing and Health in Low- and Middle-income Countries*. ANU Futures Scheme award, \$471,947.
- 2017-2022 Investigator, *Surviving an epidemic: Families and well-being, Malawi 1998-2022*. NICHD R01 HD087391 (PIs Hans-Peter Kohler and Phil Anglewicz).
- 2018-2019 Investigator, *CRSN-Heidelberg Aging Baseline Study in Nouna, Burkina Faso*. Alexander van Humbolt Foundation (PIs Till Bärnighausen and Ali Sié).
- 2011-2014 US National Science Foundation graduate research fellowship, grant number DGE-0822, \$128,000.
- 2010-2011 US National Institute on Aging T32 training fellowship, grant number P30 AG12836.

SMALL GRANTS

- 2018 ANU-CASS internal grants workshop scheme (with Vladimir Canudas-Romo and Heather Booth), \$8,000.
- 2018 ANU early-career researcher travel grant, \$3,000.
- 2013 UPenn Latin America and Latino Studies program graduate student field research grant, \$1,000.
- 2012 US National Science Foundation grant to support IIASA Young Scientist Summer Program participation, grant number OISE-1241147, \$9,000.

SCHOLARSHIPS, HONORS, AWARDS

- 2018 PAA poster session winner, Session 10: Population and Aging
- 2014-2015 SAS dissertation completion fellowship
- 2007 Alfred Reschke scholarship
- 2006 Hilldale research scholarship

TEACHING EXPERIENCE

The Australian National University

Convener and Lecturer, Principles of Population Analysis (DEMO8008), S1 2019.

Guest Lecturer, Population Projections and Dynamics (DEMO8091), S2 2018. Instructor: Vladimir Canudas-Romo.

- Lecturer for section on population aging

Harvard T.H. Chan School of Public Health

Guest Lecturer, Introduction to Demographic Methods (GHP220), Autumn 2017. Instructor: Marcia Castro.

- Lecturer for sections on single and multiple decrement life tables.

University of Pennsylvania

Teaching Assistant, Quantitative Methods I (SOC1 535), Autumn 2014. Instructor: Paul D. Allison.

PROFESSIONAL SERVICE

Reviewer for: *Age and Ageing*, *Demographic Research*, *European Journal of Aging*, *The Gerontologist*,

International Journal of Epidemiology, Journal of the International AIDS Society, The Journals of Gerontology Series B: Social Sciences, Journal of Global Health, The Lancet, Population and Development Review, PLoS ONE, Research on Aging, Social Science & Medicine.

Ad-hoc reviewer for the *National Science Foundation's* economics division.

Member, *World Economic Forum* expert network.

Discussant, section on "Cross-national Comparisons of Aging Patterns," annual meeting of the Population Association of America, Denver, CO, 26 April 2018.

AFFILIATIONS

Affiliate, ARC Centre of Excellence in Population Ageing Research (CEPAR).

Member, Population Association of America; Australian Population Association; Gerontological Society of America; International Network on Health Expectancy and the Disability Process (REVES).

SERVICE TO THE UNIVERSITY

University of Pennsylvania

2012-2015 Member of WXPB (University of Pennsylvania's public radio station) policy board

2012-2015 Advisor, peer-to-peer grant advising program, University of Pennsylvania

2013-2014 School of Arts and Sciences representative to the Graduate and Professional Student Association, University of Pennsylvania

2012-2013 Graduate Group in Demography representative to the School of Arts and Sciences student government, University of Pennsylvania

SELECTED PRESENTATIONS

Liu, Zuyun, Ling Han, Qiushi Feng, Matthew E. Dupre, Danan Gu, Heather G Allore, Thomas M. Gill, and **Collin F. Payne**. "Is a compression of disability happening in China? A comparative study of oldest-old cohorts born 10 years apart"

Presented at: Australian Population Association conference, Darwin, NT, July 2018.

Payne, Collin F. and Rebeca Wong "Evidence of an expansion of disability among successive Mexican birth cohorts, 2001-2015: a cohort modeling approach"

Presented at: University of Texas-Medical Branch, Galveston, TX, February 2017; USC-UCB Adult Mortality workshop, Berkeley, CA, February 2017; Harvard University Program on the Global Demography of Aging seminar, Cambridge, MA, October 2017; Population Association of America conference, Denver, CO, April 2018; School of Demography Seminar, Australian National University, Canberra, ACT, June 2018.

Payne, Collin F., Farrah Mateen, Lindsay Kobayashi, Kathy Kahn, and Lisa Berkman. "Adverse life events and late-life wellbeing: Risk and resilience in an aging post-Apartheid South African cohort."

Presented at: Colorado University mini-conference on African Population, Environment and Health, Boulder, CO, April 2018

Payne, Collin F., Iliana Kohler, Chiwoza Bandawe, Kathy Lawler, and Hans-Peter Kohler. "Measuring Cognitive Health and its Associations with Well-Being among Older Adults in Rural Sub-Saharan Africa"

Presented at: The Australian National University, Canberra, Australia, March 2017; SUNY-Stony Brook, Stony Brook, NY, February 2017; Population Association of America conference, Washington, DC, April 2016; Frontiers of Longitudinal Research in Malawi conference, Blantyre, Malawi, March 2016; Harvard University Program on the Global Demography of Aging seminar, Cambridge, MA, February 2016.

Payne, Collin F., F. Xavier Gomez-Olive, Kathleen Kahn, and Lisa Berkman. "Physical function in an aging population in rural South Africa: Findings from HAALSI and cross-national comparisons with HRS sister studies"

Presented at: Population Association of America conference, Washington, DC, April 2016.

- Payne, Collin F.** and Hans-Peter Kohler. “The Population-Level Impact of Public-Sector ART Rollout on Adult Health and Mortality in Rural Malawi”
Presented at: Population Association of America conference, Washington, DC, April 2016.
- Payne, Collin F.** 2014. “Aging in the Americas: A cross-national comparison of disability-free life at age 65 and older in the United States, Costa Rica, Mexico, and Puerto Rico.”
Presented at: Population Association of America conference, Boston, MA, May 2014; USC-UCB Adult Mortality workshop, Los Angeles, CA, February 2016.
- Payne, Collin F.,** and Hans-Peter Kohler. “Intergenerational Transfers, Family Structure, and health in Rural Malawi.”
Presented at: PSC-INED workshop on Aging in sub-Saharan Africa, Paris, France, December 2013
- Payne, Collin F.,** James Mkandawire, and Hans-Peter Kohler. “Disability Transitions and Health Expectancies among Adults 45 and over in Malawi: A Cohort Modeling Approach.”
Presented at: Global Health Metrics and Evaluation conference, Seattle, WA, June 2013; Aging and Society conference, Chicago, IL, November 2013.
- Payne, Collin F.** “The Effects of Religious Switching at Marriage on Marital Stability and Happiness.”
Presented at: the Southern Demographic Association conference, Birmingham, AL, October 2007.

EXTERNAL ENGAGEMENT (click on titles for online access)

Expert Interviews

09/2018 *The 2018 Aging Readiness & Competitiveness Report, AARP.*

Media Coverage

07/2017 *Today's Research on Aging, “Dementia Trends: Implications for an Aging America”*
 05/2013 *Africa News Tonight, “Disabilities Prevent Aging Africans from Being Productive”*
 05/2013 *Penn Current, “Adults in Malawi are living longer, but with disabilities”*
 08/2010 *Milwaukee Journal-Sentinel, “Iraq War hits rural US hard”*

POLICY REPORTS

- Bloom, Howard S, Saskia Thompson and Rebecca Unterman, Corinne Herlihy, and Collin F. Payne. 2010. *Transforming the High School Experience: How New York City's New Small Schools Are Boosting Student Achievement and Graduation Rates.* MDRC.
- Payne, Collin F, and William Corrin. 2009. *Making High School Students into ‘College Material’.* MDRC.
- Quint, Janet C, Janell K. Smith, Rebecca Unterman, Alma E. Moedano, Corinne M. Herlihy, Saskia Levy Thompson, and Collin F. Payne. 2009. *New York City's Changing High School Landscape: High Schools and Their Characteristics, 2002-2008.* MDRC.
- Winkler, Richelle, and Collin F. Payne. 2008. *Wisconsin High School Graduate Projections, 2008-2019.* University of Wisconsin Applied Population Laboratory.

ADDITIONAL TRAINING AND EXPERIENCE

- 02/2017 USC/UC-Berkeley Workshop on Adult Mortality Determinants in LMICs, Berkeley, CA, USA
- 03/2016 College of Medicine conference on Frontiers of Longitudinal Research: Informing health and family policies after the peak of the AIDS epidemic, Blantyre, Malawi
- 02/2016 USC/UC-Berkeley Workshop on Adult Mortality Determinants in LMICs, Los Angeles, CA, USA
- 07/2014 RAND Summer Institute, Santa Monica, CA, USA
- 7/13-8/13 Research trip to University of Costa Rica and Nicoya peninsula, Costa Rica
- 5/13-6/13 Research assistant on Malawi Longitudinal Study of Families and Health 2013 data collection, Zomba, Malawi
- 11/2012 Participant in National Institute on Aging Grants Technical Assistance Workshop, San Diego, CA, USA
- 6/12-9/12 International Institute for Applied Systems Analysis (IIASA) Young Scientist Summer Program, Vienna, Austria

- 07/2011 NIH/University of California-Santa Barbara workshop on multilevel modeling, Santa Barbara, CA, USA
- 06/2011 NIH/Penn State Workshop on spatial regression modeling, State College, PA, USA
- 05/2008 Stanford Workshop in Formal Demography, Palo Alto, CA, USA

WORK EXPERIENCE

- 2008-10 Technical Research Assistant I/II
MDRC, New York, NY
- 2005-08 Research Intern
University of Wisconsin Applied Population Laboratory, Madison, WI