

Curriculum Vitae  
**COLLIN FREDERICK PAYNE**  
February, 2018

**OFFICE:**

School of Demography  
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Citizenship: USA

**EMPLOYMENT**

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2018-           Lecturer (Assistant Professor) of Demography, The Australian National University  
2015-2017     David E. Bell Fellow, Harvard Center for Population and Development Studies

**EDUCATION**

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Ph.D.   Demography, University of Pennsylvania, 2015 (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  
M.A.   Demography, University of Pennsylvania, 2011  
B.A.   Sociology (Concentration in Analysis and Research), University of Wisconsin, 2008

**PUBLICATIONS IN PEER-REVIEWED JOURNALS**

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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*. doi: 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*. doi: 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*. doi: 10.1007/s10680-017-9445-1

Kobayashi, Lindsay C., Marcia 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. doi: 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. doi: 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. doi: 10.4054/DemRes.2017.36.37

**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. doi: 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. doi: 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. doi: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. doi: 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**

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- Payne, Collin F.**, Luca Maria Pesando, and Hans-Peter Kohler. “Up, Down, and Reciprocal: The Dynamics of Intergenerational Transfers, Family Structure, and Health in Rural Malawi.” *Revise and Resubmit at Population and Development Review*.
- Guillot, Michel, and **Collin F. Payne**. “Which Cohort is Currently Reaching its Life Expectancy? Estimating and Interpreting Lagged Cohort Life Expectancy (LCLE).” *Revise and Resubmit at Population Studies*.
- Geldsetzer P, Vaikath M, Wagner R, Rohr JK, Montana L, Gómez-Olivé XF, Rosenberg MS, Manne-Goehler J, Mateen FJ, **Payne CF**, Kahn K, Tollman SM, Salomon JA, Gaziano TA, Bärnighausen T, Berkman LF. “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.” *Revise and Resubmit at the Journals of Gerontology Series A: Medical Sciences*.
- 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*.
- 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. “Impairment in activities of daily living, care receipt and unmet need in an older rural South African population: findings from the HAALSI study.” *Under review*.
- Payne, Collin F**, Justine I Davies, F Xavier Gomez-Olive, Katherine Hands, Kathleen Kahn, Lindsay C Kobayashi, Joshua Salomon, Brent Tipping, Stephen M Tollman, Alisha Wade, Miles D Witham. “Relationship between Hemoglobin level and measures of physical and cognitive function in an older rural South African population.” *Under review*.

#### **MANUSCRIPTS IN PREPARATION (\* Denotes co-first authorship)**

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- Payne, Collin F.**, and Rebeca Wong “Expansion of disability among successive Mexican birth cohorts, 2001-2015: a prospective longitudinal modeling approach.”
- Liu, Zuyun\*, **Collin F. Payne\***, Ling Han, Quishi Feng, and Thomas Gill. “Is a compression of disability happening in China? A comparative study of oldest-old cohorts born 10 years apart”.
- Payne, Collin F.**, 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.”

**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.”

Myroniuk, Tyler W. and **Collin F. Payne**. “The Longitudinal Dynamics of Household Composition and Wealth in a Rural 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.”

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### **CURRENT RESEARCH SUPPORT**

2017-2022 Investigator, NICHD R01 HD087391 (PIs Hans-Peter Kohler and Phil Anglewicz)  
*Surviving an epidemic: Families and well-being, Malawi 1998-2022*

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### **PAST SUPPORT**

2011-2014 National Science Foundation graduate research fellowship, grant number DGE-0822, direct costs approx. \$128,000

2013 Latin America and Latino Studies program Graduate Student Field Research Grant, direct costs approx. \$1,000

2012 National Science Foundation grant to support IIASA Young Scientist Summer Program participation, grant number OISE-1241147, direct costs approx. \$9,000

2010-2011 National Institute on Aging T32 training fellowship, grant number P30 AG12836

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### **FELLOWSHIPS, SCHOLARSHIPS, HONORS, AWARDS**

2015-2017 David E. Bell Fellow, Harvard Center for Population and Development Studies

2014-2015 UPenn School of Arts and Sciences dissertation completion fellowship

2007 Alfred Reschke scholarship

2006 Hilldale Undergraduate Research Fellowship

2005-2007 Big-10 Distinguished Scholar award

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### **ADDITIONAL TRAINING AND EXPERIENCE**

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

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

## TEACHING EXPERIENCE

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### Harvard T.H. Chan School of Public Health

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

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

### University of Pennsylvania

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

## PROFESSIONAL SERVICE

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Reviewer for: *The Lancet*, *Social Science & Medicine*, *Journal of the International AIDS Society*, *The Gerontologist*, *Age and Ageing*, *The Journals of Gerontology Series B: Social Sciences*, *Global Public Health*, *European Journal of Aging*, *Research on Aging*, *Global Health Action*, *PLoS ONE*

## AFFILIATIONS

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Population Association of America, Gerontological Society of America, American Sociological Association, International Network on Health Expectancy and the Disability Process (REVES)

## SERVICE TO THE UNIVERSITY

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|-----------|---------------------------------------------------------------------------------------------------|
| 2012-2015 | Member of WXPB (University of Pennsylvania's public radio station) policy board                   |
| 2012-2015 | Advisor, peer-to-peer grant advising program                                                      |
| 2013-2014 | School of Arts and Sciences representative to the Graduate and Professional Student Association   |
| 2012-2013 | Graduate Group in Demography representative to the School of Arts and Sciences student government |

## PRESENTATIONS

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Payne, Collin F. "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.

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.

### **MEDIA COVERAGE (click on titles for online access)**

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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"

### **REPORTS**

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Bloom, Howard S, Saskia Thompson and Rebecca Unterman with 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, and Alma E. Moedano with 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.

### **RESEARCH SKILLS**

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Programming and data analysis experience in SAS, STATA, MLwiN, and R and statistical packages.

Familiarity with UNIX, Windows, and Mac OS.

Proficiency in mapping demographic and spatial data using ArcGIS.

Other software capabilities: Microsoft Office suite, Visio, Access, SQL, C, GeoDA.

### **WORK EXPERIENCE**

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2008-10 Technical Research Assistant I/II  
*MDRC*, New York, NY

2005-08 Research Intern  
*University of Wisconsin Applied Population Laboratory*, Madison, WI

## REFERENCES

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Dr. Lisa Berkman  
Thomas D. Cabot Professor of Public Policy and of Epidemiology  
Director, Harvard Center for Population and Development Studies  
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Dr. Hans-Peter Kohler  
Frederick J. Warren Professor of Demography and Sociology  
[hpkohler@pop.upenn.edu](mailto:hpkohler@pop.upenn.edu)  
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Dr. Michel Guillot  
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