

Curriculum Vitae

Andrew Noymer
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Education

- PhD Sociology, University of California, Berkeley, 2006
(with NICHD & NIA traineeships in Demography)
Studies in the historical demography and epidemiology of influenza and tuberculosis selective mortality
Neil Fligstein (co-chair), Trond Petersen (co-chair), David A. Freedman, George W. Rutherford
- MSc Medical Demography, London School of Hygiene & Tropical Medicine, University of London, 1996
Demographic-epidemiologic models of measles transmission in developing countries: The case of Muyinga sector, Burundi
Felicity Cutts, Nigel Gay (thesis advisors)
- AB Biology, Harvard University, 1995

Employment

- 2012–present Associate Professor, Public Health, University of California, Irvine (UCI)
- 2019–present Associate Professor (by courtesy), Sociology, UCI
- 2014–2015 Director of Graduate Studies, Department of Population Health and Disease Prevention, UCI
- 2012–2013 Associate Professor, Sociology, UCI
- 2008–2012 Assistant Professor, Public Health, UCI
- 2006–2012 Assistant Professor, Sociology, UCI
- 2006–2011 Scientific Staff, International Institute for Applied Systems Analysis (IIASA), Laxenburg, Austria

Journal Articles

- Race and life expectancy in the USA in the Great Depression
Tim A. Bruckner, Ashley M. Ima, Trang T. Nguyen, and Andrew Noymer *Genus* 75(16):22pp. (2019)
- The geometry of mortality change: Convex hulls for demographic analysis.
Audrey F. Lai, Andrew Noymer, and Tsuo Tai *Revue Québécoise/Quetelet Journal* 7(1):27–70 (2019)
- Subacute sclerosing panencephalitis mortality, United States, 1979–2016: Vaccine-induced declines in SSPE deaths.
Lia B. Pallivathucal and Andrew Noymer *Vaccine* 36(35):5222–5225 (2018)
- Models for estimating empirical Gompertz mortality: With an application to evolution of the Gompertzian slope.
Tzu-Han Tai and Andrew Noymer *Population Ecology* 60(1/2):171–184 (2018)

Journal articles, continued

- Summertime, and the livin' is easy: Winter and summer pseudoseasonal life expectancy in the United States.
Tina Ho and Andrew Noymer *Demographic Research* 37(45):1445–1476 (2017)
- 'You've come a long way, baby': The convergence in age patterns of lung cancer mortality by sex, United States, 1959–2013.
Natalie A. Rivadeneira and Andrew Noymer *Biodemography and Social Biology* 63(1):38–53 (2017)
- Did the 1918 influenza cause the twentieth century cardiovascular mortality epidemic in the United States?
Steven Tate, Jamie J. Namkung and Andrew Noymer *PeerJ* 4:e2531 (2016)
- A 'post-honeymoon' measles epidemic in Burundi: Mathematical model-based analysis and implications for vaccination timing.
Katelyn C. Corey and Andrew Noymer *PeerJ* 4:e2476 (2016)
- Clostridium difficile* infection: An emerging cause of death in the twenty-first century.
Viytta N. Abdullatif and Andrew Noymer *Biodemography and Social Biology* 62(2):198–207 (2016)
- Magnitude of Ebola relative to other causes of death in Liberia, Sierra Leone, and Guinea.
Stéphane HELLERINGER and Andrew Noymer *Lancet Global Health* 3(5):e255–e256 (2015)
- Assessing the direct effects of the Ebola outbreak on life expectancy in Liberia, Sierra Leone and Guinea.
Stéphane HELLERINGER and Andrew Noymer *PLoS Currents Outbreaks* (2015)
- Divergence without decoupling: Male and female life expectancy usually co-move.
Andrew Noymer and Viola Van *Demographic Research* 31(51):1503–1524 (2014)
- Influenza as a proportion of pneumonia and influenza mortality: United States, 1959–2009.
Andrew Noymer and Ann M. Nguyen *Biodemography and Social Biology* 59(2):178–190 (2013)
- Vitamin D (25OHD) serum seasonality in the United States.
Amy K. Kasahara, Ravinder J. Singh, and Andrew Noymer *PLoS One* 8(6):e65785 (2013)
- Influenza mortality in the United States, 2009 pandemic: Burden, timing and age distribution.
Ann M. Nguyen and Andrew Noymer *PLoS One* 8(5):e64198 (2013)
- Immigrant health around the world: Evidence from the World Values Survey.
Andrew Noymer and Rennie Lee *Journal of Immigrant and Minority Health* 15(3):614–623 (2013)
- Life expectancy during the Great Depression in eleven European countries.
Tim A. Bruckner, Andrew Noymer, and Ralph A. Catalano *Population and Development Review* 39(1):57–74 (2013)
- Hardship of tuberculosis treatment access and adherence among Myanmar migrants at Maesai Hospital, Thailand.
Chunjira Wichai, Amara Soonthorndhada, Sirinapha Jittimanee, Andrew Noymer, & Chalumporn Holomyong *Journal of Health Research* 26(4):167–171 (2012)
- Health-related quality of life in older adults: Testing the double jeopardy hypothesis.
Daisy Carreon and Andrew Noymer *Journal of Aging Studies* 25(4):371–379 (2011)
- The 1918 influenza pandemic hastened the decline of tuberculosis in the United States: An age, period, cohort analysis.
Vaccine 29(Suppl. 2):B38–B41 (2011)
- Population decline in post-conquest America: The role of disease.
Population and Development Review 37(1):178–183 (2011)

Journal articles, continued

- Cause of death affects racial classification on death certificates.
Andrew Noymer, Andrew Penner, and Aliya Saperstein *PLoS One* 6(1): e15812. (2011)
- The 1918 influenza pandemic affected sex differentials in mortality: Comment on Sawchuk.
American Journal of Physical Anthropology 143(4):499-500 (2010)
- Testing the influenza-tuberculosis selective mortality hypothesis with Union Army data.
Social Science & Medicine 68(9):1599–1608 (2009)
- The 1918–19 influenza pandemic affected tuberculosis in the United States: Reconsidering Bradshaw, Smith, and Blanchard.
Biodemography and Social Biology 54(2):125–133 (2008)
- Causes of death in nineteenth-century New England: The dominance of infectious disease.
Andrew Noymer and Beth Jarosz *Social History of Medicine* 21(3):573–578 (2008)
- Influenza analysis should include pneumonia. *American Journal of Public Health* 98(11):1927–1928 (2008)
- Les effets à long terme de la grippe espagnole de 1918: Une sélection différentielle selon le sexe.
Michel Garenne and Andrew Noymer *Cahiers de Sociologie et de Démographie Médicales* 48(3):341–354 (2008)
- Contesting the cause and severity of the black death: A review essay.
Population and Development Review 33(3):616–627 (2007)
- The transmission and persistence of ‘urban legends’: Sociological application of age-structured epidemic models.
Journal of Mathematical Sociology 25(3):299–323 (2001)
- Mortality selection and sample selection: A comment on Beckett.
Journal of Health and Social Behavior 42(3):326–327 (2001)
- The 1918 influenza epidemic’s effects on sex differentials in mortality in the United States.
Andrew Noymer and Michel Garenne *Population and Development Review* 26(3):565–581 (2000)
- The Perseus Flasher and satellite glints.
Bradley E. Schaefer, Michael Barber, John J. Brooks, Allen DeForrest, Paul D. Maley, Norman W. McLeod III, Russ McNiel, Andrew J. Noymer, A. K. Presnell, Richard Schwartz, and Scott Whitney
Astrophysical Journal 320(1):398–404 (1987)

Miscellaneous Academic Writing

- Summertime, and the livin’ is easy... and longer *N-IUSSP*, 2018.
Tina Ho and Andrew Noymer <http://www.niussp.org/article/summertime-and-the-livin-is-easy-and-longer/>
- Guest Column: Disease outbreaks & medical sociology *Medical Sociology Newsletter*, 52(4):4 (2016)
- Pandemic influenza: Reducing vulnerability *Options*, Summer 2006, pp. 20–21
Landis MacKellar and Andrew Noymer <http://www.iiasa.ac.at/Options/>

Addressing a Broader Public

- Plans to fight pandemic flu must focus on senior citizens. (Op-Ed) *Chicago Sun-Times*, 5 November 2005
Juliane Baron and Andrew Noymer
- You might be infected — with an urban legend. (Op-Ed) *Los Angeles Times*, 28 December 2003, p. M5
(Sunday opinion section; carried on other newspapers nationwide through LA Times wire service.)

Book Chapters

Epidemics and time: Influenza and tuberculosis during and after the 1918–1919 pandemic (ch. 8, pp. 137–152). D. Ann Herring and Alan C. Swedlund, eds.: *Plagues and epidemics: Infected spaces past and present*. (Wenner-Gren International Symposium Series) Berg (2010)

Long-term effects of the 1918 ‘Spanish’ influenza epidemic on sex differentials of mortality in the USA: Exploratory findings from historical data (ch. 13, pp. 202–217). Andrew Noymer and Michel Garenne. Howard Phillips and David Killingray, eds.: *The Spanish influenza pandemic of 1918–1919: New perspectives*. (Studies in the Social History of Medicine, 12) Routledge (2003)

Encyclopedia entries

Algorithm (pp. 16–17) and Alpha, the significance of a test (p. 18). *Encyclopedia of survey research methods*. Sage Publications (2008)

Algorithm (pp. 9–10). *The Sage encyclopedia of social science research methods*. Sage Publications (2004)

Influenza (pp. 540–542) and Tuberculosis (pp. 946–948). *Encyclopedia of population*. Macmillan Reference (2003)

Book Reviews

Political demography: How population changes are reshaping international security and national politics, ed. by Jack A. Goldstone, Eric P. Kaufmann and Monica Duffy Toft. *Contemporary Sociology* 45(2):177–179 (2016). With Haruka C. Hatori.

Low income, social growth, and good health: A history of twelve countries, by James C. Riley. *Journal of Interdisciplinary History* 39(3):400–402 (2009)

The great influenza: The epic story of the deadliest plague in history, by John M. Barry. *Population and Development Review* 30(3):537–539 (2004)

Island epidemics, by Andrew D. Cliff, Peter Haggett, and Matthew R. Smallman-Raynor. *Journal of Economic History* 62(3):916–918 (2002)

Flu: The story of the great influenza pandemic of 1918 and the search for the virus that caused it, by Gina Kolata. *Population and Development Review* 27(1):187–191 (2001)

Letters

Call to restrict neonicotinoids.
Dave Goulson and 232 signatories *Science* 360(6392):973 (2018)

Did Ebola relatively spare children?
Stéphane Helleringer, Andrew Noymer, Samuel J. Clark, and Tyler McCormick. *Lancet* 386(10,002):1442–1443 (2015)

Ebola Virus Disease in West Africa — The first 9 months.
Stéphane Helleringer, Karen A. Grépin, and Andrew Noymer *New England Journal of Medicine* 372(2):188–189 (2015)

Letters, continued

Questioning the salicylates and influenza pandemic mortality hypothesis in 1918–1919.

Andrew Noymer, Daisy Carreon, and Niall Johnson

Clinical Infectious Diseases 50(8):1203 (2010)

The March of Dimes [and structural change].

American Journal of Public Health 92(2):158 (2002)

Working Papers *(excludes subsequently-published papers)*

An alternative summary measure of mortality.

CEPED Rapport de recherche n°18. 1998.

Estimates of under-five mortality in Botswana and Namibia: Levels and trends.

IIASA Interim Report IR-98-005

<http://www.iiasa.ac.at/cgi-bin/pubsrch?IR98005>

Awards & Honors

2009: Who's Who in America, 64th edition
Marquis Who's Who

2007: Social Science Assistant Professor Research Award
School of Social Sciences, UC, Irvine

2007: Faculty Career Development Award
Office of the Executive Vice Chancellor and Provost, UC, Irvine

2002: Best Paper in Mathematical Sociology, Mathematical Sociology Section,
American Sociological Association (for urban legend paper in *J. Math. Soc.*)

2002: Best Student Paper in Mathematical Sociology, Mathematical Sociology Section,
American Sociological Association (for urban legend paper in *J. Math. Soc.*)

1996: Selwyn-Clarke Prize, best student in Medical Demography master's program,
London School of Hygiene & Tropical Medicine, University of London

1991: Minor Planet (asteroid) number 4956 named 'Noymer' by the International Astronomical Union
(ref.: *IAU Minor Planet Circular* No. 19341)

Presentations at Meetings, Workshops, Conferences

("PAA" denotes the Annual Meeting of the Population Association of America.)

Human Mortality Database Symposium 2019, Berlin • Using Benford's law to assess life table ensembles:
HMD and WHO model life tables

NBER Cohort Studies Meeting 2019, Cambridge • Race and life expectancy in the United States in the Great
Depression. With Tim A. Bruckner, Ashley M. Ima, and Trang T. Nguyen.

PAA 2019, Austin • Unraveling the social ecology of polio. With Amarah Mauricio. Session 40. & Measles
deaths in the United States, 1890–2016: Age profiles and sex differences help explain pre-vaccine mortality
decline. With Stephanie Torrez. Session 197.

Presentations at Meetings, Workshops, Conferences, continued

UC Irvine Mini Conference on Economic History. 2018. • Race and polio mortality in the United States, 1914–69. With Amarah C. Mauricio. [by invitation]

The social impact of epidemics: Workshop marking 100 years of the 1918 Great Flu Epidemic. Oslo, 2018. • Race and mortality: The twentieth-century polio epidemic in the United States. With Amarah C. Mauricio.

XVIII World Economic History Congress, 2018 • Unraveling the social ecology of polio. With Amarah C. Mauricio. Session 030209.

Population, family and health: Global perspectives. Academia Sinica, 2018 • The demographic transition in Taiwan and USA: A convex hull approach. With Ivy K. Miller. Session 1. [by invitation]

Vaccines in the 21st century: Overcoming viruses and misinformation, UC Irvine, 2018 • Reducing mortality through vaccination: Measles in the US and worldwide. [by invitation]

PAA 2018, Denver • Models for estimating empirical Gompertz mortality: With an application to evolution of the Gompertzian slope. With Tzu-han Tai. Poster P3–36.

Health inequalities and urbanization, 17th–20th centuries. Paris School of Economics, 2018 • Unraveling the social ecology of polio. With Amarah C. Mauricio. Session 2. [by invitation]

IUSSP Seminar, “Pandemics: Reflections on the centennial of the 1918 ‘Spanish’ influenza”, 2017, Madrid • A plausible estimate of ‘Spanish’ influenza deaths in Japan, 1918–1920. With Tim Riffe. Session 4. & A tale of two pandemics: Gompertzian patterns of influenza mortality age shifts, United States, 1959–2015. With Alexandra Mardock & Cécile Viboud. Session 7.

PAA 2017, Chicago • Replication and data sharing in demography: Opportunities and challenges for researchers. Session 248. [by invitation]

NBER Cohort Studies Meeting 2017, Los Angeles • The geometry of mortality change: Convex hulls for demographic analysis. With Audrey Lai and Tsuiio Tai. (And IUSSP Seminar, “Mortality: Past, present, and future”, Campinas, Brazil, August 2017.)

PAA 2016, Washington • Deviation from expected? Race and life expectancy in the US during the Great Depression. With Trang Nguyen and Tim-Allen Bruckner. Session 95 (presenter). & ‘You’ve come a long way, baby’: The convergence in age patterns of lung cancer mortality by sex, United States, 1959–2013. With Natalie Rivadeneira. Session 159 (presenter) (and NBER Cohort Studies Meeting, Los Angeles). & Exact Poisson confidence intervals for life expectancy. With Michelle Deville and Tim Riffe. Session 171.

Incidence, Severity, and Impact of Influenza. Institut Pasteur, Paris, 2016 • Exact Poisson confidence intervals for Serfling-type models: An example of influenza and pneumonia excess mortality in the United States, 2009–13. With Rachel C Yip & Ann M Nguyen. Topic 4.

UAPS Seventh African Population Conference, Pretoria, South Africa, 2015 • A preliminary assessment of the impact of Ebola on life expectancy in affected countries. Session 29.

“Who Care\$?” workshop, UC Irvine, 2015 • Ebola Virus Disease outbreak, 2013–15, Guinea, Sierra Leone, Liberia: An update. Day Two, “Plagues and partnerships”. [by invitation]

PAA 2015, San Diego • Origins of the cardiovascular mortality epidemic in the United States, 1920–90. A.N. and Steven Tate. Session 35. & Elasticity of economic development and child mortality, 1950–2011. A.N. and Danzhen You and Haruka Hatori. Session 207 (and UC Global Health Day, 2015, poster).

International Meeting on Emerging Diseases and Surveillance (IMED), 2014, Vienna • Increase in *Clostridium difficile* mortality in the United States, 1999–2011. V. N. Abdullatif and A. Noymer. Poster 23.022.

Presentations at Meetings, Workshops, Conferences, continued

RAPIDD Workshop, “Quantitative studies of major historic epidemic diseases”, Copenhagen, 2014 • Epidemiologic transition theory: Synopsis of and commentary on a social science approach. Session IV. [by invitation]

PAA 2014, Boston • A universal pattern of the evolution of life table entropy and life expectancy. A.N. and Ciarra Coleman. Session 80 & Respiratory viruses’ effect on all-cause mortality: Winter and summer pseudoseasonal life expectancy in the United States. A.N. and Rahema Haseeb. Poster Session 8

PAA 2013, New Orleans • Beyond “best practices”: Waiting times to life expectancy improvements. Sheila Xiao and Andrew Noymer. Session 176. & Male and female life expectancy co-move — even when they diverge. Andrew Noymer and Viola Van. Session 184

IMED, 2013, Vienna • Influenza mortality in the United States, 2009: Burden and timing. Ann M. Nguyen and Andrew Noymer. Poster 22.013 & Assessing the mortality link between respiratory infections and heart disease: A time-series approach. Ann M. Nguyen, Chunyang Li and Andrew Noymer. Poster 22.024

2nd Asian Population Association Conference, 2012, Bangkok • Cancer mortality patterns in Pacific islander populations: A comparative analysis of American Samoa, Guam, Hawai’i, and Saipan. Daisy Carreon and Andrew Noymer. Session 22. & Breastfeeding, age at menarche, and adolescent health: Exploring multi-causal linkages in the Philippines. Marigee Bacolod and Andrew Noymer. Session 80

European Population Conference 2012, Stockholm • Life expectancy during the great depression in eleven European countries. Tim-Allen Bruckner, Andrew Noymer, Ralph Catalano. Session 1.

PAA 2012, San Francisco • Influenza as a proportion of pneumonia and influenza mortality: United States, 1959–2007. Andrew Noymer and Ann M Nguyen. Session 52 & A Similar Pattern of Tuberculosis Mortality Decline in the United States and Thailand, before HIV. Andrew Noymer, Amara Soonthornhdhada and Patama Vapattanawong. Poster Session 7

Third Annual African Network for Influenza Surveillance and Epidemiology (ANISE), Nairobi, 2012 • Influenza and tuberculosis. Session IV. [by invitation]

“Epidemics³”: Third international conference on infectious disease dynamics, Boston, 2011 • Influenza as a proportion of pneumonia and influenza mortality: United States, 1959–2007. (poster) & Influenza and pneumonia mortality do not co-move over time at all ages: An analysis of the United States, 1959–2007. (poster) Andrew Noymer and Ann M Nguyen.

Workshop, “Infectious disease models and data”, Irvine, 2011 • What’s flu got to do with it? The payoff to demography of influenza studies. [by invitation]

“After 1918: History and politics of influenza in the 20th and 21st centuries”, L’École des hautes études en santé publique, Rennes, 2011 • The 1918–19 influenza pandemic affected the decline of tuberculosis. [by invitation]

PAA 2011, Washington & Options for the Control of Influenza VII, Hong Kong, 2010 • Gompertz analysis of pneumonia and influenza death rates by age, United States, 1959–2006. Andrew Noymer and Cécile Viboud. Session 122 & Poster 332.

PAA 2011, Washington • Mortality co-movement at the national level: A quasi-social network analysis. Andrew Noymer, Tanya Jukkala, Christopher S. Marcum. Session 126.

All-UC Group in Economic History & Asia-Pacific Economic and Business History Conference, “The Great Divergence: Perspectives from the Pacific Rim”, Berkeley, 2011 • A comparative analysis of tuberculosis mortality decline in Thailand and the United States. Andrew Noymer, Amara Soonthornhdhada, Patama Vapattanawong. Session 2.

Presentations at Meetings, Workshops, Conferences, continued

IUSSP Seminar on “Lifespan extension and the biology of changing cause-of-death profiles”, Rauischholzhausen, 2011 • Clique analysis of mortality co-movements: A new life expectancy time series analysis. Andrew Noymer, Tanya Jukkala, Christopher S. Marcum. [by invitation]

Workshop, “Death Clustering: Towards new explanations for infant and child mortality in the European past”, Umeå, 2010 • Can seasonality explain clustering of child mortality? A theoretical investigation via simulation. Session 4. [by invitation]

MISMS Meeting, “Historical influenza pandemics: Lessons learned”, Copenhagen, 2010 • The 1918 influenza pandemic hastened the decline of tuberculosis in the US. Session IV. [by invitation]

PAA 2010, Dallas • Author-meets-critics: *Conquest: The destruction of the American Indians* and *El Dorado in the marshes: Gold, slaves and souls between the Andes and the Amazon* by Massimo Livi Bacci. Session 111. [by invitation]

PAA 2009, Detroit • Self-rated health: Is happiness the missing link? Andrew Noymer and Leah Ruppanner. Session 166.

PAA 2009, Detroit & American Public Health Association, 2009 Annual Meeting, Philadelphia • Aging and health for racial minorities: An analysis of the double jeopardy hypothesis using the California Health Interview Survey. Daisy C. Carreon and Andrew Noymer. Poster Sessions 1 & 3268.0.

Flumodcont Project Technical Meeting, “Survey methods for population behavior during seasonal and pandemic influenza”, Istituto Superiore di Sanità, Rome, 2008 • High-stakes collective action, panic behavior, and planning: Insights from sociology for pandemic preparedness. [by invitation]

Keystone Symposium, “Pathogenesis and control of emerging infections and drug resistant organisms”, Bangkok, 2008. • Using routine mortality data to look for pre-pandemic signatures. Abstract 242, poster session 2.

Fourth Joint Japan-North America Mathematical Sociology Conference, Redondo Beach, 2008. • A simulation study of interracial dating dynamics. Andrew Noymer, Cynthia Feliciano, and Belinda Robnett. Session 4.

PAA 2008, New Orleans • Selective mortality in Norway during the 1918 flu pandemic. Session 125. & Early-life influences and the seasonality of mortality: Re-examining the Doblhammer effect. Andrew Noymer and Bert Kestenbaum. Session 158.

UAPS Fifth African Population Conference, Arusha, Tanzania, 2007 • Sibship size and mortality in Africa: Evidence from the DHS. Andrew Noymer and Ndola Prata. Session 92.

Joint IIASA/Peking University workshop on “Pandemic influenza in China: Challenges, responses, needs”, Beijing, 2007 • Plagues past and present: The relevance of historical research to current policy questions. [by invitation]

Wenner-Gren Foundation Conference on “Plagues: Models and metaphors in the human ‘struggle’ with disease”, Tucson, 2007 • Influenza and tuberculosis in 1918: Lessons from an historical plague. [by invitation]

Stanford University/Applied Biosystems Symposium on “Demography and infectious disease: Integrating multiple levels of biological and social organization”, 2007 • Down under, up over: Comparative trends of infectious disease in Australia and the United States in the twentieth century. [by invitation]

Computational & Theoretical Biology Symposium, Rice University, 2006 • Who dies in flu pandemics? Lessons from the 1918 “Spanish” influenza. [by invitation]

Presentations at Meetings, Workshops, Conferences, continued

Conference on “Causal analysis in population studies: Concepts, methods, applications”, Vienna Institute of Demography, 2006 • Causal relations and age, period, cohort analysis: Testability and the case for parsimony. Session 2.

IIASA Workshop on Pandemic Influenza, Laxenburg, Austria, 2006 • Who dies in flu pandemics? Lessons from the 1918 “Spanish” influenza. [by invitation]

IUSSP Seminar on “Longevity: Early-life conditions, social mobility and other factors that influence survival to old age”, Lund/Mölle, 2006 • Testing the influenza-tuberculosis selective mortality hypothesis with Union Army data.

American Thoracic Society, International Conference (ATS 2006), San Diego • Influenza and tuberculosis: Lessons from 1918 for the next flu pandemic. Session D80. [by invitation]

PAA 2006, Los Angeles • Testing the influenza-tuberculosis selective mortality hypothesis in Australia. Session 121. & Testing the influenza-tuberculosis selective mortality hypothesis with Union Army data. Session 135.

Symposium on Avian and Pandemic Influenza, UCSF, 2005 • Theories of differential mortality in the 1918–1919 pandemic. Session II. [by invitation]

American Sociological Association, 2003 Annual Meeting, Atlanta • Age, period, cohort analysis: A plea for theory. Session 497. & The glass ceiling in academia: Findings from a large research university. Trond Petersen and Andrew Noymer. Session 532.

PAA 2002, Atlanta • How many parameters are necessary—or sufficient? A comparison of the Lee-Carter and Brass mortality models. Session 101.

American Sociological Association, 2001 Annual Meeting, Anaheim, California • Competing rumors: A generalized model of information diffusion. Andrew Noymer and Tim Futing Liao. Session 195.

International Health Economics Association, 2001 Conference, York, UK • Disability-adjusted life years and inter-disease comparisons: Stochastic simulations of competing acute and chronic diseases. Session 211.

PAA 2001, Washington • Disability-adjusted life years and inter-disease comparisons: A critical appraisal. Session 13. & The role of externalities and bounded rationality for the evolution of child preferences. Session 71.

Mathematical sociology in Japan and in America: A joint conference, Honolulu, 2000 • The transmission and persistence of ‘urban legends’: Sociological application of age-structured epidemic models.

Second workshop on “Nonlinear demography”, Rostock, Germany, 2000 • Demographic-epidemiologic models of measles transmission in developing countries: Nonlinear demographic tools to determine optimal vaccination policies.

PAA 2000, Los Angeles • The 1918 “Spanish” Influenza’s long-term effects on mortality sex differentials in the USA. Andrew Noymer and Michel Garenne. Session 30 (and American Sociological Association, Methods Section, 2000 Winter Meeting, Los Angeles). & Mortality sex differentials in space and time: Vallin’s paradox in the USA. Session 66 (and REVES 12 meeting, University of Southern California).

PAA 1999, New York • Demographic-epidemiologic models of measles transmission in developing countries. Session 50.

American Sociological Association, Methods Section, 1999 Winter Meeting, Duke University • An alternative summary measure of mortality.

Presentations at Meetings, Workshops, Conferences, continued

The Spanish flu after 80 years: An international conference, Cape Town, 1998 • Long-term effects of the 1918 'Spanish' influenza epidemic on sex differentials of mortality in the USA: Exploratory findings from historical data. Andrew Noymer and Michel Garenne.

Colloquia

Race and mortality: The twentieth-century polio epidemic in the United States

UC Irvine, Sociology Department, 25 January 2019

"Summertime, and the livin' is easy", or, using seasonal demographic data to answer policy-relevant questions

L'Observatoire sociologique du changement (OSC), Sciences Po, Paris, 7 December 2018.

Marking the 100th anniversary of the 1918 'Spanish' flu pandemic: Selective mortality and the impact on other diseases

Center for Studies in Demography and Ecology, University of Washington, Seattle, 9 November 2018.

Measles mortality in the United States, 1890–2016: Why did deaths decline before the vaccine?

Dondena Seminar, Bocconi University, 17 September 2018.

C-DASA Seminar, UC Irvine, 5 February 2019.

Recent US and Comparative Mortality Patterns

Demography Brownbag, UC Berkeley Demography Department, 14 February 2018.

(Panelist, with Magali Barbieri, Ray Catalano, Josh Goldstein, and Ron Lee.)

The geometry of mortality change: Convex hulls for demographic analysis

Labor/Public Seminar, UCI Economics Department, 4 April 2017.

Max Planck Institute for Demographic Research, Rostock, Germany, 5 September 2017.

Optimal measles vaccination schedules in developing countries: Insights from mathematical modeling

Center for Virus Research, UCI, 14 October 2016.

Rocky Mountain Laboratories, NIAID, Hamilton, Montana, 13 December 2016.

Summertime, and the livin' is easy — respiratory viruses' effect on all-cause mortality: Winter and summer pseudoseasonal life expectancy in the United States

Ohio State University, Institute for Population Research, 8 March 2016.

Health Policy Research Institute, UCI, 28 April 2016.

Département de démographie, Université de Montréal, 30 September 2016.

Tuberculosis and influenza selective mortality in the 1918 pandemic

Hubei (province) Center for Disease Control and Prevention, Wuhan, 15 October 2015.

Cholera in Victorian London: John Snow and the births of epidemiology and germ theory.

Central China Normal University, Wuhan, Hubei Province, 13 October 2015.

National Taiwan University, School of Public Health, Taipei, 2 November 2015.

"I'm going to Disneyland", Or: What levels of vaccination are necessary for measles control and eradication? A mathematical model of measles transmission in developing countries.

Institute for Mathematical Behavioral Sciences, UCI, 12 March 2015.

Public Health Seminar Series, UCI, 4 May 2015.

Ohio State University, Mathematical Biosciences Institute, 7 March 2016.

Centre interuniversitaire québécois de statistiques sociales (CIQSS)/Quebec Inter-University Centre for Social Statistics (QICSS), Montréal, 29 September 2016.

What's flu got to do with it? Changes in the age-structure of influenza mortality during pandemics.

Duke Population Research Institute (DuPRI), 19 September 2013.

Colloquia, continued

Gesundheit und Gesellschaft: The payoff to the social sciences of demographic-epidemiologic studies of disease.
University of Wisconsin, Madison, 26 November 2012.

What's flu got to do with it? The payoff of influenza studies for demography and sociology.
Vienna Institute of Demography, 28 September 2011.
Wirtschaftsuniversität Wien, 5 October 2011.
Population Studies Training Center, Brown University, 3 November 2011.
Centre d'Estudis Demogràfics, Universitat Autònoma de Barcelona, 10 November 2011.
Istituto Superiore di Sanità, Rome, 19 December 2011.
Public Health, UC Irvine, 9 January 2012.
Statistics, UCLA, 10 April 2012.

Demographic approaches to the analysis of influenza time series data
US Centers for Disease Control and Prevention & Thai Ministry of Public Health, Nonthaburi, 20 May 2011.

Pneumonia and influenza death rates: A Gompertz-model approach
Centers for Disease Control and Prevention (OID/NCIRD), Atlanta, 27 October 2010.

The decline of TB mortality: The USA and Southeast Asia in historical-comparative perspective.
College of Public Health, University of Philippines, Manila (UP-M), 21 May 2010.

Do social gatherings predict influenza mortality?
Andrus Gerontology Center, University of Southern California, 7 November 2009.
Institute for Mathematical Behavioral Sciences, UCI, 12 November 2009.

Who dies in flu pandemics? Evidence from 1918.
Stop TB Department, World Health Organization Headquarters, Geneva, 9 September 2009.

The 20th century decline of TB in the USA, with potential comparisons to high- and medium-TB-prevalence countries today.
Institute for Population and Social Research, Mahidol University, Salaya, Thailand, 2 September 2009.

Early life influences: How do survivors fare after mortality crises?
Department of Nutrition, Food Studies, and Public Health, New York University, 9 December 2008.
Office of Population Research, Princeton University, 13 January 2009.

War, race, and disease: Tuberculosis in black and white troops in the Civil War.
Population, Society, Inequality Seminar, University of California, Irvine, 25 November 2008.
Cells-to-Society, Northwestern University, 1 December 2008.
Department of Sociology, New York University, 8 December 2008.

The twentieth century evolution of American mortality.
Economic History Seminar, University of Michigan, Ann Arbor, 6 November 2007.
Population, Society, Inequality Seminar, University of California, Irvine, 29 January 2008.

Cholera in Victorian London: John Snow and the births of epidemiology and germ theory.
Clinical Meeting [Grand Rounds], Ahmadu Bello Univ. Teaching Hospital, Zaria, Nigeria, 25 July 2007.
Department of Community Medicine, Ahmadu Bello University, Zaria, Nigeria, 27 July 2007.

Mortality selection: The 1918 influenza pandemic's role in the decline of tuberculosis in the US.
Dep't. of Math. Sciences/Ctr. for Applied Math. and Statistics, NJ Institute of Technology, 28 March 2007.
Institute for Mathematical Behavioral Sciences, UCI, 26 April 2007.

Tuberculosis in the Union Army during the Civil War.
California Center for Population Research, UCLA, 24 January 2007.

Colloquia, continued

Who dies in flu pandemics? Lessons from the 1918 'Spanish' flu.

Stanford University, School of Medicine, 22 November 2005.

UC, Irvine, Sociology Department, 30 November 2005.

Harvard School of Public Health, 5 December 2005.

UW–Seattle, Center for Statistics and the Social Sciences, 7 December 2005.

UW–Seattle, Sociology Department, 8 December 2005.

University of Utah, Huntsman Cancer Institute, 23 May 2006.

Testing the influenza-tuberculosis selective mortality hypothesis with Union Army data.

UC, Berkeley Demography Department, 2 November 2005.

Selective mortality in the 1918 "Spanish" influenza pandemic.

UC, Berkeley Demography Department, 4 May 2005.

The transmission and persistence of 'urban legends': Demographic/epidemic models of rumors.

UC, Berkeley Demography Department, 9 April 2003.

A tale of two diseases: Influenza, tuberculosis, and the 1918 epidemic.

Department of Statistics, UCLA, 5 February 2002.

Center for Health Policy/Center for Primary Care and Outcomes Research, Stanford, 17 July 2002.

Mortality selection and mortality decline: The Case of the 1918 influenza.

California Center for Population Research, UCLA, 13 June 2001.

Sex differentials in mortality and selection effects: The long-term impact of 1918 "Spanish" influenza.

Neyman Seminar, UC, Berkeley Statistics Department, 6 December 2000.

Interrogating disability-adjusted life years: DALYs and inter-disease comparisons.

UC, Berkeley Demography Department, 25 October 2000.

Effets à long terme de l'épidémie de grippe espagnole de 1918 aux Etats Unis

Andrew Noymer and Michel Garenne

INED (Institut national d'études démographiques), Paris, 2 July 1998.

Grants

- 2018 Russel Sage Foundation \$20,000 (sub-award).
(Award 93-18-05) PI: Aliya Saperstein, Stanford
- 2012 Gaspar de Portola program, UCI \$3,000.
For collaboration with Centre d'Estudis Demogràfics, Universitat Autònoma de Barcelona.
- 2011 C-DASA Seed Grant, \$3,000. "Cancer mortality patterns in Pacific islander populations:
A comparative analysis of American Samoa, Guam, Hawai'i, and Saipan"
- 2011 NIH Grant #UL1 TR000153, sub-award, \$4,000.
- 2010 UC Pacific Rim Research Program, Faculty Research/Planning Grant, \$12,000.
- 2009 NIH grant #R25TW008125, sub-award, \$3,000.
- 2005 Institute of Business and Economic Research, UC, Berkeley, Mini-grant for data entry.
- 2004 National Institute of Aging graduate student traineeship (one year).
- 1998 National Institute of Child Health and Human Development graduate student traineeship (four years).
- 1998 Rockefeller Foundation, \$24,300 grant to support historical demography research on the 1918
influenza epidemic (with Michel Garenne). Grant number HS-9810.
- 1997 Grant in support of participation in Young Scientist Summer Program at IIASA, National Science
Foundation, through the American Academy of Arts and Sciences.

Prior Work Experience

- 1997–01 Visitor (short-term), Research Group on Contemporary European Fertility Dynamics
Max-Planck-Institut für demografische Forschung (Max Planck Institute for Demographic Research)
Rostock, Germany
- 1997–99 Visiting Researcher, Centre français sur la population et le développement (CEPED)
Paris, France
- 1997–98 Participant in Young Scientist Summer Program, and Visitor
Population, Development and Environment Project
International Institute for Applied Systems Analysis (IIASA)
Laxenburg, Austria
- 1997 Demographer
Instituto Nacional de Estatística (INE), Ministry of Planning
Luanda, Angola
- 1997 Consultant
Luanda, Angola
work with: USAID; national and international NGOs

Details of work experience before 1997 are available on request.

Teaching

International Short Courses taught:

KOSTAT/APPI Summer Seminar on Population (Korea):

- July 2016 (Third), Workshop 1, “Demographic measurement and theory”, Seoul.
- July 2015 (Second), Workshop 1, “Demographic theory”, Statistical Training Institute, Daejeon.
- August–September 2014 (First), Workshop 2, “Quantitative methods in demography”, Pukyong National University, Busan.

Courses taught at the University of California, Irvine:

| | |
|----------------------|---|
| Sociology 10A, 10B | Probability and Statistics I, II (undergraduate service) |
| Sociology 159 | Sociology of Health and Illness (undergraduate lecture class) |
| Sociology 202B | Second-year paper proseminar (graduate service) |
| Sociology 221B, 221C | Graduate Statistics II, III (graduate service) |
| Sociology 226A | Formal Demography (graduate service) |
| Sociology 269 | Sociology and Demography of Health (graduate seminar) |
| Public Health 7, 7A | Introduction to Public Health Statistics I (undergraduate service) |
| Public Health 7B, 10 | Introduction to Public Health Statistics II (undergraduate service) |
| Public Health 180 | Infectious Disease Epidemiology (undergraduate elective) |
| Public Health 209 | Demographic Analysis (graduate elective) |
| Public Health 213 | International Epidemiology (graduate elective) |
| Public Health 281 | Infectious Disease Epidemiology (graduate elective) |

PhD Students supervised (date of degree) [* chair]:

Leah Ruppanner (2009). Ryan Acton (2010). Georgiana Bostean (2011). Christopher Marcum (2011). Zoya Gubernskaya (2013). Daisy C. Carreon* (2013). Elizabeth Hemming-Schroeder [Ecology & Evolutionary Biology] (2018). Annie C. Lee [UCLA] (2018). C. Ben Gibson (2018). *advancement committee only*: Courtney Reynolds Murphy (2012), Rupak Datta (2012), Grant Rutledge (2015), Melissa Matlock (2016), Shaun R. Stipp (2018), Sidra Haye (2018).

Professional & Public Service

Ebola: Co-convener (with Stéphane Helleringer), International Union for the Scientific Study of Population (IUSSP) Panel on “the demographic causes and consequences of Ebola and other emerging infectious diseases”.

Public health information: Organizer/presider, public forum at UC Irvine: “Ebola: What you should know”, <https://www.youtube.com/watch?v=2DWcJ6EDSzg> & numerous press interviews in Fall 2014, including national newscast, Columbia Broadcasting System:

<http://www.cbsnews.com/news/ebola-panic-in-us-spreading-much-faster-than-disease/>. Also a panelist at UC Irvine Law School event on “The Constitutional Implications of Ebola: Civil Liberties & Civil Rights In Times of Health Crises” <http://www.law.uci.edu/events/health-policy/implications-of-ebola-2014.html>.

Public service: Member, Metrics Subcommittee, Healthcare Advisory Committee, California Department of Public Health, 2010. *succeeded by:* Metrics Group for California HAI Reporting, 2010–13. *succeeded by:* Metrics Group for HAI Reporting, 2013–14.

President: Society for Biodemography and Social Biology (SBSB); 2015–19.

Board member: Society for Biodemography and Social Biology (SBSB); 2005–15.

Editorial board member: *Contemporary Sociology*, 2007–09; *Biodemography and Social Biology*, 2009–; *Demographic Research*, 2011–15; *PeerJ*, 2015–; *PLoS One*, 2011–15.

NIH (US): Social Sciences and Population Studies A (SSPA) Study Section, October 2014 & May 2015.

European Research Council: Consolidator Grant reviewer, 2018.

Social Sciences and Population Studies A (SSPA) Study Section, October 2014 & May 2015.

Conference organizer: IMBS Workshop on Infectious Disease Models and Data, Irvine, October 2011; IIASA Workshop on Pandemic Influenza, Laxenburg, Austria, 2006.

Session organizer: International Population Conference 2017, Cape Town, Session 180 “The demographic causes and consequences of Ebola and other emerging infectious diseases”. PAA 2015, Session 147 “Mortality trends” & Session 234 “Formal demography of mortality”. PAA 2013, Session 10 “The long-term impact of famines and environmental shocks” & Session 153, “Early life origins of adult health”. PAA 2010, Session 49, “The demographic impact of pandemics”.

Session chair: International Population Conference 2017, Cape Town, Session 180 “The demographic causes and consequences of Ebola and other emerging infectious diseases”. IUSSP Seminar, “Mortality: Past, present, and future”, Campinas, Brazil, August 2017, Day two, Session 3, “Mortality: Data and methodological issues”. PAA 2016, Session 211 “Demography of 21st century epidemics: HIV/AIDS, Ebola, MERS, and other diseases”.

Scientific committee: IUSSP Seminar on “Lifespan Extension and the Biology of Changing Cause-of-Death Profiles”, Rauischholzhausen, Germany, January 2011.

Discussant for: PAA 2019, Session 101, “Family Demography: Methods and Projections”; International Population Conference 2017, Cape Town, Session 180 “The demographic causes and consequences of Ebola and other emerging infectious diseases”; PAA 2017, Session 101, “Global perspectives on health and mortality”; PAA 2014, Session 223, “Measurement and projections of population aging”; PAA 2010, Session 4, “Methodological issues in health and mortality”; PAA 2007, Session 82, “Perspectives on the demographic dividend” & Session 103 “Race/ethnic differences in mortality”; PAA 2003, Session 41, “Health care policy and access to health care”; PAA 2002, Session 119, “Network analysis in social demography”.

Refereed for: *Acta Tropica*; *American Journal of Epidemiology**; *American Journal of Preventive Medicine*; *American Journal of Public Health*; *American Sociological Review*; *Asian Women*; *Biodemography and Social Biology*†; *BMC Research Notes*; Cambridge University Press (book chapter); *Canadian Studies in Population**; *Demographic Research*†; *Demography*†; *Emerging Infectious Diseases*†; *Epidemiology**; *Epidemiology and Infection*; *Futures*; *Genus*; *Infection, Genetics and Evolution*; *Influenza and Other Respiratory Viruses*; *Interdisciplinary Communications* (Norwegian Academy of Science and Letters); *International Economics and Economic Policy*; *Journal of Health and Social Behavior*; *Journal of Mathematical Sociology*†; *Journal of the Royal Society Interface*; *Journal of Steroid Biochemistry and Molecular Biology**; *Journal of Theoretical Biology*; *Lung Cancer*; *Mathematical Methods in the Applied Sciences*; *Nature: Scientific Reports*; *PeerJ*; *PLoS Computational Biology*; *PLoS Currents Outbreaks*; *PLoS One*†; *Population and Development Review*†; *Population Research and Policy Review*; *Proceedings of the National Academy of Sciences of the USA*†; *Protein Engineering Design and Selection (PEDS)*; *Science**; *Social Biology*; *Social Forces*; *Social Indicators Research*; *Social Problems*; *Social Psychology Quarterly*; *Social Science History*; *Social Science & Medicine*†; *Sociological Methodology*; *The Sociological Quarterly**; *Theoretical Population Biology*; *Vaccine**; *Vienna Yearbook of Population Research*; *Western Journal of Black Studies*.
* twice; † multiple times

Guest manuscript editor for: *Proceedings of the National Academy of Sciences of the USA*.

Affiliations

UCI Center for Demographic and Social Analysis (C-DASA)
UCI Center for Complex Biological Systems
UCI Center for Research on International Migration
UCI Center for Virus Research
UCI Demographic and Social Analysis (DASA) program (executive committee member)
UCI Master’s in Public Policy (MPP) program
UCI Institute for Mathematical Behavioral Sciences (IMBS)
UCI Center for Biotechnology and Global Health Policy
UCI Research focus group in Social Dynamics and Complexity
UCI Data Science Initiative, Faculty Advisory Board member

Collaborating Core Faculty, UC Center of Expertise on Migration and Health

Non-resident faculty affiliate, California Center for Population Research (CCPR), UCLA

Member, All-UC Group in Economic History

Foreign Languages

Proficient in French; some knowledge of Portuguese.

Other

Radio host, “Taillights Fade” (indie/alternative music show). KUCI-FM (88.9 MHz), Irvine, California. 2019–present.

References

Available on request.

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