

**IRMA T. ELO**  
**Curriculum Vitae**  
Spring 2007

**ADDRESSES:**

Department of Sociology  
Population Studies Center  
University of Pennsylvania  
3718 Locust Walk  
Philadelphia, PA 19104-6298  
Tel: (215) 898-9162  
email: popelo@pop.upenn.edu

4638 Larchwood Avenue  
Philadelphia, PA 19143  
Tel: (215) 386-1548

**EDUCATION**

- Ph.D.            Public Affairs and Demography 1990  
                  Woodrow Wilson School of International and Public Affairs  
                  Office of Population Research, Princeton University, Princeton, NJ  
                  Dissertation: "Female education and the use of maternal health care services in Peru."  
M.P.A.            Public Affairs June 1986  
                  Woodrow Wilson School of International and Public Affairs, Princeton University,  
                  Princeton, NJ  
B.A.             Political Science, June 1976  
                  Department of Political Science, University of Arkansas, Fayetteville, AR

**ACADEMIC POSITIONS**

Associate Director of the Population Studies Center for Training and Computing (1/05-present)  
Chair, Graduate Group in Demography (7/03-present)  
Associate Professor of Sociology (7/03-present)  
Assistant Professor of Sociology (1/99-6/03)  
Visiting Professor, University of Helsinki, Finland, January 1994  
Associate Director, Population Studies Center, University of Pennsylvania (10/96-12/98)  
Associate Director, Population Aging Research Center, University of Pennsylvania (10/95-10/96)  
Research Associate, Population Studies Center, University of Pennsylvania (9/92-present)  
Adjunct Assistant Professor of Sociology, Department of Sociology, University of Pennsylvania  
(7/94-12/98)  
NIA Postdoctoral Fellow, Population Studies Center, University of Pennsylvania (9/90-8/92)

**OTHER PROFESSIONAL POSITIONS**

Research Consultant, Ford Foundation, New York, New York (6/85-5/88)  
Researcher Consultant-in-Residence, Resources for the Future, Washington, DC (10/82-8/84)  
Director of Rural Development Program, National Rural Center, Washington, DC (6/80-6/82)  
Director of Health Program, National Rural Center, Washington, DC (6/78-6/80)  
Research Assistant, Economic Research Service, US Department of Agriculture (1/77-5/78)

## GRANTS

### External

Principal Investigator, *Exceptional Survival and Longevity in New England*, a subcontract from Boston University, funded by the National Institute of Aging, (9/1/04-5/31/09).

Principal Investigator. *Racial and Neighborhood Disparities in Infant Health*, funded by National Institute of Child Health and Human Development, National Institutes of Health, (9/1/99-8/31/06).

Principal Investigator. *Minority Supplement* to NICHD grant "Racial and Neighborhood Disparities in Infant Health" to fund Helen Lee, a graduate student in Sociology (9/1/00-8/31/03).

Principal Investigator, *Preterm Birth and Race: A Study of Individual and Spatial Effects*, a subcontract from Drexel University, funded by Centers of Disease Control, (12/01/01-11/30/05).

Principal Investigator, *Targeting Programs for Reducing Racial, Ethnic, and Geographical Health Disparities*, funded by Health Resources and Services Administration, subcontract from Drexel University (9/26/05-9/25/07).

Principal Investigator. *Socioeconomic Status, Health and Mortality*, funded by the National Institute of Aging (9/30/97-5/31/2000).

Co-Principal Investigator (with Prof. Samuel H. Preston, University of Pennsylvania). *African-American Mortality 1930-1990*, funded by the National Institute of Aging (2/1/92-1/31/97).

### Internal

Principal Investigator, *Race/ethnic and Immigrant Differences in Disability: What Can We Learn from the 2000 Census of Population?* funded by Population Aging Research Center, PARC Pilot Award. (7/01/06-6/30/07).

Principal Investigator, *Social Context and Maternal and Child Health in Philadelphia: A Qualitative Investigation*, funded by University Research Foundation, University of Pennsylvania (3/01/03-2/28/04).

Principal Investigator, *Socioeconomic Differentials in Mortality in Finland and the United States: The role of income and education*, funded by Population Aging Research Center, PARC Pilot Award (7/1/03-6/30/04).

Principal Investigator, *Trends in Socioeconomic Differentials in Mortality*, funded by Population Aging Research Center, PARC Pilot Award (7/1/02-6/30/03).

Principal Investigator, *Effects of Early Life Conditions on Adult Health*, funded by Population Aging Research Center, PARC Pilot Award (7/1/97-6/30/98).

## RESEARCH INTERESTS

Socioeconomic and racial/ethnic differences in health and mortality  
Aging and the Life Course  
Medical sociology  
Family sociology  
Mathematical demography

**PUBLICATIONS*****Refereed Journals***

- Perls, T. I. Kohler, S. Andersen, E. Schoenhofen, J. Pennington, R. Young, D. Terry, and I.T. Elo. *Forthcoming*. "Survival of Parents and Siblings of Supercentenarians. *The Journal of Gerontology: Medical Sciences*.
- Bennett, I.M., J.F. Culhane, J.C. Coyne, L. Mathew, D. Webb, and I.T. Elo. *Forthcoming*. "Literacy and Depressive Symptomology in Pregnancy among Latinas with Limited English Proficiency." *American Journal of Orthopsychiatry*.
- Elo, I.T., P. Martikainen and K.P Smith. 2006. "Socioeconomic Differentials in Mortality in Finland and the United States: The role of education and income." *European Journal of Population* 22(2): 179-203.
- Preston, S.H. and I.T. Elo. 2006. "Black Mortality at Very Old Ages in Official US Life Tables: A Skeptical Appraisal. *Population and Development Review* 32(3): 557-565.
- Bennett, IM, Culhane, JF, McCollum, KF, Elo, IT. 2006. "Unintended Rapid Repeat Pregnancy and Low Education Status: Any Role for Depression and Contraceptive Use." *American Journal of Obstetrics and Gynecology* 194: 749-54.
- Chung, E.K., K.F. McCollum, I.T. Elo, and J.F. Culhane. 2006. "Does Prenatal Care at Community-Based Health Centers Result in Infant Primary Care at These Sites? *Ambulatory Pediatrics* 6:25-31.
- Messer, L.C., B.A. Laraia, J.S. Kaufman, J. Eyster, C. Holzman, J. Culhane, I.Elo, J.G. Burker, and P. O'Campo. 2006. "The Development of a Standardized Neighborhood Deprivation Index. *Journal of Urban Health* 83(6):1041-62.
- Lee, H.J., M.R. Rubio, I.T. Elo, E.K. Chung, K.F. McCollum, and J.F. Culhane. 2005. "Factors Associated with the Intention to Breastfeed among Low-income, Inner-city Pregnant Women." *Maternal and Child Health Journal* 9(3):253-261.
- Elo, I.T. and G.L. Drevenstedt. 2005. "Cause-Specific Contributions to Sex Differences in Adult Mortality among Whites and African Americans between 1960 and 1995." *Demographic Research*.13: 485-520.
- Culhane, J.F. and I.T. Elo. 2005. "Neighborhood Context and Reproductive Health." *American Journal of Obstetrics and Gynecology*192: S22-29.
- Chung, E.K., McCollum, K.F., Elo, I.T., Lee, H.J., and Culhane, J.F.2004. "Maternal Depressive Symptoms and Infant Health Practices among Low-Income Women." *Pediatrics* 113: 523-e529.
- Elo, I.T., C. Turra, B. Kestenbaum, and R.B. Ferguson. 2004. "Mortality Among Elderly Hispanics in the United States: Past Evidence and New Results." *Demography* 41(1):109-128.
- Elo, I.T. and G.L. Drevenstedt. 2004. "Cause-Specific Contributions to Black-White Differences in Adult Male Mortality between 1960 and 1995." *Demographic Research-Special Collection Determinants of Diverging Trends in Mortality* 2:255-276.
- Rodríguez, G. and I.T. Elo. 2003. "Intra-class correlation in random-effects models for binary data." *The Stata Journal* 3(1):1-15.
- Culhane J.F., V.A. Rauh, K.F. McCollum, I.T. Elo, and V. Hogan. 2002. "Exposure to Chronic Stress and Ethnic Differences in Rates of Bacterial Vaginosis among Pregnant Women." *American Journal of Obstetrics and Gynecology* 187(5): 1272-1276.
- Elo, I.T. and G. L. Drevenstedt. 2002. "Educational Differences in Cause-specific Mortality in the United States." *Yearbook of Population Research in Finland* 38. Helsinki, Finland: The Population Research Institute, pages 37-54.
- Elo, I.T.2001. "New African American Life Tables from 1935-40 to 1985-90." *Demography* 38: 97-114.
- Preston, S.H., I.T. Elo, Q. Stewart. 1999. "Effects of Age Misreporting on Mortality Estimates at Older Ages." *Population Studies* 53:165-177.

- Gragmolati, M., I.T. Elo, and N. Goldman. 1999. "New Insights into the Far Eastern Pattern of Mortality." *Population Studies* 53:81-95.
- Elo, I.T., R.Berkowitz King, and F.F. Furstenberg, Jr. 1999. "Adolescent Females: Their Sexual Partners and the Fathers of their Children." *Journal of Marriage and the Family* 61:74-84.
- Preston, S.H., I.T. Elo, A. Foster, and H. Fu. 1998. "Reconstructing the Size of the African-American Population by Age and Sex: 1930-1990." *Demography* 35: 1-21.
- Rosenwaike, I., M.E. Hill, S.H. Preston, and I.T. Elo. 1998. "Linking Death Certificates to Early Census Records: The African American Matched Records Sample." *Historical Methods* 31: 65-74.
- Hussey, J. and I.T. Elo. 1997. "Cause-specific Mortality Among Older African Americans: Correlates and Consequences of Age Misreporting." *Social Biology* 44:227-246.
- Hill, M., S.H. Preston, I.T. Elo, and I. Rosenwaike. 1997. "Age-linked Institutions and Age Reporting among Older African Americans." *Social Forces* 75: 1007-1030.
- Elo, I.T., S.H. Preston, I. Rosenwaike, M. Hill, and T. P. Cheney. 1996. "Consistency of Age Reporting on Death Certificates and Social Security Administration Records among Elderly African Americans." *Social Science Research* 25:292-307.
- Preston, S.H., I.T. Elo, I. Rosenwaike, and M. Hill. 1996. "African American Mortality at Older Ages: Results of a Matching Study." *Demography* 33:193-209.
- Elo, I.T. and S.H. Preston. 1996. "Educational Differentials in Mortality: United States, 1979-1985." *Social Science and Medicine* 42: 47-57.
- Preston, S.H. and I.T. Elo. 1995. "Are Educational Differentials in Adult Mortality Increasing in the United States." *Journal of Aging and Health* 74: 476-496.
- Elo, I.T. and S.H. Preston. 1994. "Estimating African-American Mortality from Inaccurate Data." *Demography* 31:427-458.
- Elo, I.T. and L.M. Grummer-Strawn. 1993. "Changes in Breastfeeding Duration in Peru." *Social Biology* 40: 224-243.
- Elo, I.T. and S.H. Preston. 1992. "Effects of Early-Life Conditions on Adult Mortality: A Review." *Population Index* 58: 186-212.
- Elo, I.T. 1992. "Utilization of Maternal Health Care Services in Peru: The Role of Women's Education." *Health Transition Review* 2: 49-69.

### **Book Chapters**

- Elo, I.T. 2007. Mortality: Transitions and Measures. *Blackwell Encyclopedia of Sociology*, G. Ritzer, ed., Malden, MA: Blackwell Publishing, pp. 3096-3101.
- Elo, I.T. 2001. "Mortality Crossover." *Encyclopedia of the Social and Behavioral Sciences*. London: Elsevier Science Ltd.
- Elo, I.T. and S.H. Preston. 2001. "The African American Population: 1930-1990." In Massey, Douglas and Elijah Anderson, eds. *Problem of the Century: Racial Stratification in the U.S. at the Millennium*. New York: Sage Press, pages 168-223.
- Elo, I.T. 2000. "The Epidemiological Transition." In Department of Economic and Social Affairs. *World Population Monitoring 1998: Health and Mortality: Selected Aspects*. New York: United Nations, pages 94-109.
- Elo, I.T. 1997. "Adult Mortality among Asian Americans and Pacific Islanders: A Review of the Evidence." In K.S. Markides and M.R. Miranda, eds. *Minorities, Aging and Health*. Thousand Oaks, Ca: Sage Publications, pages. 41-78.
- Elo, I.T. and S.H. Preston. 1997. "Racial and Ethnic Differences in American Mortality at Older Ages." In L. Martin and B. Soldo, eds. *Racial and Ethnic Differences in the Health of Older Americans*. Washington, DC: National Academy Press, pages 10-42.

- Elo, I.T. and J.E. Miller. 1992. "Ever-breastfed Status and Health at Birth," in J.T. Boerma, ed. *Measurement of Maternal and Child Mortality, Morbidity and Health Care: Interdisciplinary Approaches*. Liege: Ordina Editions, pages 309-332.
- Pebley, A.R. and I.T. Elo. 1989. "The Relationship of Birth Spacing and Child Health," in *Proceedings, IUSSP International Population Conference, Volume 1, New Delhi, India*, pages 403-417.
- Elo, I.T. and C.L. Beale. 1984. *Rural Development, Poverty, and Natural Resources: An Overview*. Washington, DC: Resources for the Future. 123 pages.

### **Books**

- Preston, S.H., I.T. Elo, M. Hill and I. Rosenwaike. 2003. *The African American Population of the United States, 1930-1990*. Dordrecht, The Netherlands: Kluwer Academic Publishers.

### **Book Reviews**

- Elo, I.T. 2005. A review of *Perspectives on the Economics of Aging*, edited by David A. Wise. Chicago: The University of Chicago Press, 2004. *Journal of Pension Economics and Finance* 4(2): 221-222.
- Elo, I.T. 1996. A review of *Deprivation and Disease: Mortality during the Great Finnish Famine of the 1860s*, by Kari J. Pitkänen. *Journal of Interdisciplinary History* XXVII:143-145.

### **PAPERS UNDER REVIEW**

- Elo, I.T., L. Mykkyta, and J.F. Culhane. Paternal Support: Evidence from a Low-Income, Inner-City Population. *Journal of Marriage and the Family*.
- Turra, C. and I.T. Elo The Impact of Salmon Bias on the Hispanic Mortality Advantage: New Evidence from Social Security Data. *Population Research and Policy Review*.
- Chung, E.K., K.F. McCollum, L. Mathews, I.T. Elo, and J.F. Culhane. Continuous Source of Care among Young Underserved Children: Associated Characteristics and Parenting Practices. *Ambulatory Pediatrics*.

### **UNDER REVISION**

- Elo, I.T. and H. Lee. "Ethnic Differentials in Birth Outcomes in Philadelphia."
- Elo, I.T. and K.P. Smith. "Trends in Educational Differentials in Mortality in the United States."
- Culhane, J. and I.T. Elo. "Sociodemographic and Behavioral Determinants of Infant Mortality among Low-Income Women in Philadelphia."
- Elo, I.T., G. Rodriguez, H. Lee and J.F. Culhane. "Racial and Neighborhood Disparities in Birthweight in Philadelphia."

### **CONFERENCE PAPERS**

- Elo, I.T., L. Mykkyta, and J.F. Culhane. 2005. Paternal Support and Father-Child Contact: Evidence from a Low-Income, Inner-City Population, Annual Meeting of the Population Association of America, Philadelphia, PA
- Kohler, I, I.T.Elo, P. Martikainen, and K.P. Smith. 2005. Educational Differences in All-Cause Mortality--Evidence from Bulgaria, Finland and the United States. Annual Meeting of the Population Association of America, Philadelphia, PA., and XXV IUSSP International Population Conference, Tours, France.
- Kohler, I., I.T. Elo, and H-P Kohler. 2005. Long-term Health Benefits from Investments in Children's Education. Annual Meeting of the Population Association of America, Philadelphia, PA

- Turra, C. I.T. Elo, B. Kestenbaum, and R. Ferguson. 2005. Is There a Salmon-Bias Effect? Mortality Differentials by Place of Residence among Primary Social Security Beneficiaries in the United States. Annual Meeting of the PAA, Philadelphia, PA
- Elo, I.T. and G.L. Drevenstedt. 2004. "Cause-Specific Contributions to Sex Differences in Adult Mortality among Whites and African Americans between 1960 and 1995." Human Mortality Database Symposium, Rostock Germany.
- Elo, I.T., P. Martikainen, K.P. Smith. 2004. "Socioeconomic Differentials in Mortality in Finland and the United States: The Role of Income and Education." Annual Meeting of the Population Association of America, Boston, Massachusetts.
- Elo, I.T. and K.P. Smith. 2003. "Trends in Educational Differentials in Mortality in the United States." Annual Meeting of the Population Association of America, Minneapolis, Minnesota.
- Elo, I.T. and G.L. Drevenstedt. 2003. "Cause-Specific Contributions to Sex Differences in Mortality among Whites and African Americans between 1960 and 1995." Annual Meeting of the Population Association of America, Minneapolis, Minnesota.
- Elo, I.T. and K.P. Smith. 2003. "Trends in Educational Inequality by Age, Race, and Gender. Annual Meeting of the American Sociological Association, Atlanta, Georgia.
- Elo, I.T. and G.L. Drevenstedt. 2002. "Cause-Specific Contributions to Black-White Differences in Adult Male Mortality between 1960 and 1995." IUSSP Meeting on Emerging Health Threats, Rostock Germany.
- Elo, I.T., C. Turra, B. Kestenbaum, and R.B. Ferguson. 2002. "Mortality among Elderly Hispanics in the United States: Past Evidence and New Results." Annual Meeting of the Population Association of America, Atlanta, Georgia.
- Elo, I.T. and G.L. Drevenstedt. 2001. "Cause-Specific Contributions to Sex Differences in Adult Mortality among African Americans between 1960 and 1995." Annual Meeting of the American Sociological Association, Anaheim, CA.
- Elo, I.T. and H. Lee. 2001. "Ethnic Differentials in Birth Outcomes in Philadelphia." Annual Meeting of the American Sociological Association, Anaheim, CA.
- Elo, I.T. and G.L. Drevenstedt. 2001. "Cause-Specific Contributions to Racial Differences in Adult Male Mortality between 1960 and 1995." Annual Meeting of the Population Association of America, Washington, DC 2001.
- Elo, I.T., G. Rodriguez, and H. Lee. 2001. "Racial and Neighborhood Disparities in Birthweight in Philadelphia." Annual Meeting of the Population Association of America, Washington, DC 2001.
- Culhane, J. and I.T. Elo. 2000. "Re-Conceptualizing Risk, Measurement and Analytic Strategies for the Study of Birth Outcomes and Infant Mortality." Annual Meeting of the American Sociological Association, Washington, DC.
- Elo, I.T. and G.L. Drevenstedt. 2000. "Socioeconomic and Racial Differentials in Cause-Specific Mortality." Annual Meeting of the Population Association of America, Los Angeles, CA.
- Elo, I.T. and G.L. Drevenstedt. 1999. "Socioeconomic Differentials in Adult Mortality: What Can We Learn from Cause-Specific Analyses?" Paper presented in Workshop on Mortality Analyses by Cause of Death in Industrialized Countries. Marconi Conference Center, Marshall, California, June 17-20, 1999.
- Elo, I.T. 1999. "African American Mortality 1935-1990." Annual Meeting of the American Sociological Association, Chicago, IL.
- Elo, I.T. 1998. "Childhood Environment and Adult Health: Evidence from the Health and Retirement Study." Annual Meeting of the Population Association of America, Chicago, IL.
- Preston, S.H., I.T. Elo, and Q. Stewart. 1998. "Effects of Age Misreporting on Mortality Estimates at Older Ages." Annual Meeting of the Population Association of America, Chicago, IL.

- Elo, I.T. and R. Berkowitz. 1997. "Adolescent Females: Their Sexual Partners and Fathers of their Children." Annual Meeting of the Population Association of America, Washington, DC.
- Preston, S.H., I.T. Elo, H.Fu, and A. Foster. 1996. "African American Mortality 1930-1990." Annual Meeting of the Population Association of America, New Orleans, LA.
- Preston, S.H., I.T. Elo, I. Rosenwaike, and M. Hill. 1995. "African American Mortality at Older Ages: Results of a Matching Study." Annual Meeting of the Population Association of America, San Francisco, CA.
- Preston, S.H., I.T. Elo and L. Gale. 1995. "Using Successive Censuses to Estimate Census Completeness for African-Americans, 1930-1990." Annual Meeting of the Population Association of America, San Francisco, CA.
- Elo, I.T., I. Rosenwaike, M. Hill and T. Cheney. 1994. "Consistency of Age Reporting on Death Certificates and the Social Security Administration Death Master File among Elderly African-American Decedents." Annual Meeting of the Population Association of America.
- Elo, I.T. and S.H. Preston. 1994. "Educational Differentials in Mortality, United States 1979-1985." Annual Meeting of the Population Association of America.
- Elo, I.T. and S.H. Preston. 1993. "Quality of Data for Estimating African-American Mortality, 1930-1990." Annual Meeting of the Population Association of America.
- Elo, I.T. and L. Grummer-Strawn. 1991. "Infant Feeding Patterns in Peru 1977-1986." The Demographic and Health Survey World Conference, Washington, DC, August, 1991.
- Elo, I.T. and C. Beale. 1988. "The Decline in American Counter-Urbanization in the 1980s: Its Geographic and Causal Context." Annual Meeting of the Population Association of America.

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

- NIA Summer Institute for Research on Minority Aging, 1992
- John D. and Catherine T. MacArthur Foundation fellowship for the study of population and development, 1989-1990
- NIH Traineeship in Demography, 1987-1989
- Princeton University Fellowship, 1984-1987
- Nineteenth Summer Seminar on Population, East West Center, Honolulu, HI, 1988
- Phi Beta Kappa, 1976
- Outstanding Senior Award, University of Arkansas 1976

#### **OTHER PROFESSIONAL EXPERIENCE AND SERVICE**

- Elected Member of the Population Council, American Sociological Association, 2006-2008
- Appointed Member of the National Center for Health Statistics Board of Scientific Counselors, 2005-2009.
- Elected Member, Board of Directors, Population Association of America, 2003-2005.
- Member, National Institute of Aging, NIH, A Review Panel for ZRG1 Health and Population 10, review of F32s, R03s, and R21s, March 2004, October 2004, July 2005.
- Member, National Institute of Child Health and Human Development, NIH, A Review Panel for R03s, K-awards, Training grants, R21s, June 2003, October 2006.
- Member, National Institute of Child Health and Human Development *Special Review Panel on Development of Community Child Health Research*, October 2002.
- Member, Steering Committee, *Health and Retirement Study*, 2002-2005.
- Invited Participant, advisory meeting on *Economic Measures in Health Surveys*, sponsored by the National Center for Health Statistics/CDC, the National Institute of Aging, and the NIH Office of Behavioral and Social Sciences Research, January 2002.

- Member, *Advisory Panel on Exceptional Longevity (APEL)*, National Institute of Aging (NIA), NIH Advisory Panel Meeting, Washington, DC, July 2000.
- Member, *Special Advisory Committee on Methodological Issues in Calculation of Vital Rates and Postcensal Population Estimates*, sponsored by the National Center for Health Statistics and the Bureau of the Census, Advisory Panel Meeting, Washington, DC, July 2000.
- Invited Participant, advisory meeting on Graduate Education in Population Studies in Mexico, Centro de Investigación Demográfica e Información Geográfica. Guadalajara, Mexico, April 1999.
- Member of a *National Institute of Aging Special Review Panel* for a program project on “Early Indicators of Later Work Levels and Death,” Principal Investigator, Dr. Robert Fogel, University of Chicago, June 1999.
- Member, Scientific Review Board of Demographic Research for an Online Journal of Research in Population Sciences, the Max Planck Institute for Demographic Research, Germany, 1999-present.
- Member, the Board of the Society for the Study of Social Biology, 1999 - present
- Invited Conference Speaker, *America Becoming: Racial Trends and Their Consequences: Implications for the Nation and New York*. Baruch College, New York, February 2001.
- Session Organizer, Annual Meetings of the Population Association of America, 1995, 1997, 1999, 2001, 2002, 2004, 2006.
- Program Committee, Annual Meeting of the Population Association of America, 1996, 2001
- Manuscript Referee: *American Journal of Public Health*, *American Sociological Review*, *American Journal of Sociology*, *Demography*, *Journal of Aging and Health*, *Journal of Epidemiology and Community Health*, *Research on Aging*, *Social Forces*, *Social Science and Medicine*

## **PROFESSIONAL MEMBERSHIPS**

- Population Association of America (PAA)  
American Sociological Association (ASA)  
International Union for the Scientific Study of Population (IUSSP)  
American Public Health Association (APHA)