

**BIOGRAPHICAL SKETCH**

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.  
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Eileen M. Crimmins	POSITION TITLE Professor of Gerontology and Sociology		
eRA COMMONS USER NAME crimmin			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Chestnut Hill College, Philadelphia, PA	B.S.	1968	Mathematics
University of Pennsylvania, Philadelphia	M.A.	1969	Demography
University of Pennsylvania, Philadelphia	Ph.D.	1974	Demography

**A. Positions and Honors.** List in chronological order previous positions, concluding with your present position. List any honors. Include present membership on any Federal Government public advisory committee.

1973-1978 Assistant Professor of Sociology and Public Health, University of Illinois at Chicago Circle  
 1978-1980 Visiting Adjunct Professor of Sociology, Rutgers University  
 1980-1981 Visiting Associate in Sociology, California Institute of Technology  
 1982-1992 Assistant & Associate Professor of Gerontology and Sociology, University of Southern California  
 1992-present Professor of Gerontology and Sociology, University of Southern California  
 1997-present Edna M. Jones Professor of Gerontology  
 2007-present Assoc. Dean of Gerontology  
 1994-1995 Technical Panel On Assumptions and Methods, Advisory Council on Social Security; Chair Demographic Sub-panel  
 1994-1999 Advisory Committee to NIA on the LSOAll, Chair  
 2004-2005 Vice President, Population Association of America  
 1993-present REVES International Network on Healthy Life Expectancy - Steering Committee  
 1995-2007 Secretary- Treasurer, Board Of Directors - Society for the Study of Social Biology  
 1996-2007 Member NIA Monitoring Committee for HRS and AHEAD  
 1999-present Director, USC/UCLA Center on Biodemography and Population Health  
 2001-2003 National Academy of Sciences Panel on Race/Ethnic Health Differentials  
 2003-2004 Scientific Board of Counselors – National Center for Health Statistics  
 2002-2004 Chair-Elect, Chair - American Sociological Assn. Section on Aging and the Life Course  
 2006-present National Academy of Sciences, Committee on Population  
 Associate Editor - Journal of Gerontology, Research on Aging, Aging and Health, Demography. Demographic Research (past or present)  
 NIH Review Panels, 1987- 2007

**B. Selected peer-reviewed publications (in chronological order).**

Crimmins, E. & Saito, Y. (1993). Getting better and getting worse: Transitions in functional status among older Americans. Journal of Aging and Health, 5, 3-36.  
 Crimmins, E., Hayward, M., & Saito, Y. (1994). Changing mortality and morbidity rates and the health status and life expectancy of the older U.S. population. Demography, 31, 159-175.  
 Hayward, M., Crimmins, E., & Wray, L. (1994). The relationship between retirement life cycle changes and older men's labor force participation rates. Journal of Gerontology, 49(5), S219-S230.  
 Crimmins, E. (1996). Mixed trends in population health among older adults. Journal of Gerontology: Social Sciences, 51B(5), S223-S225.  
 Crimmins, E., Hayward, M., & Saito, Y. (1996). Differentials in active life expectancy in the older population of the United States. Journal of Gerontology: Social Sciences, 51B(3), S111-S120.  
 Crimmins, E., Saito, Y., & Reynolds, S. (1997). Further evidence on recent trends in the prevalence and incidence of disability among older Americans from two sources: The LSOA and the NHIS. Journal of Gerontology: Social Sciences, 52B(2), S59-S71.

- Crimmins, E., Saito, Y., & Ingegneri, D. (1997). Trends in disability-free life expectancy in the U.S.: 1970-1990. Population and Development Review, 23(3), 555-572.
- Mihelic, A. & Crimmins, E. (1997). Loss to follow up in a sample of Americans 70 years of age and older: The LSOA 1984-1990. Journal of Gerontology: Social Sciences, 52B(1), S37-S48.
- Crimmins, E., Reynolds, S., & Saito, Y. (1998). Cohort differences in disability and disease presence. The Gerontologist, 38(5), 578-590.
- Hayward, M., Crimmins, E., & Saito, Y. (1998). Cause of death and active life expectancy in the older population of the United States. Journal of Aging and Health, 10(2), 192-213.
- Crimmins, E., Reynolds, S., & Saito, Y. (1998). Trends in health and ability to work among older working-age population. Journal of Gerontology, 54B(1), S1-S10.
- Zelinski, E., Crimmins, E., Reynolds, S., & Seeman, T. (1999). Do medical conditions affect cognition in older adults? Health and Psychology, 17(6), 504-512.
- Hayward, M., Crimmins, E., Miles, T., & Yang, Y. (2000). The significance of socio-economic status in explaining the race gap in chronic health conditions. American Sociological Review, 65, 910-930.
- Crimmins, E. & Saito, Y. (2000). Change in the Prevalence of Diseases Among Older Americans: 1984-1994. Demographic Research, [online] 3.
- Crimmins, E. (2001). Mortality and Health in Human Life Spans. Experimental Gerontology, 36, 885-897.
- Blackwell, D., Hayward, M., & Crimmins, E. (2001). Does childhood health affect chronic morbidity in later life? Social Science and Medicine, 52, 1269-1284.
- Crimmins, E. & Saito, Y. (2001). Trends in disability free life expectancy in the United States, 1970-1990: Gender, racial, and educational differences. Social Science and Medicine, 52, 1629-1641.
- Seeman, T. & Crimmins, E. (2001). Social Environment Effects on Health and Aging: Integrating Epidemiological and Demographic Approaches and Perspectives. Annals of the New York Academy of Sciences, 954, 88-117.
- Crimmins, E. & Seeman, T. (2001). Integrating Biology into Demographic Research on Health and Aging (With a Focus on the MacArthur Study of Successful Aging). In C. Finch, J. Vaupel and K. Kinsella (eds.), Cells and Surveys: Should Biological Measures be Included in Social Science Research?, Washington, D.C.: National Academy Press, pp. 9-41.
- Tabbarah, M., Mihelic, A. & Crimmins, E. (2001). Disability: The demographics of physical functioning and home environments of elder Americans. Journal of Architecture and Planning Research, 18, 193-193.
- Wagener, D., Molla, M., Crimmins, E., Pamuk & Madans, J. (2001). Summary Measures of Population Health: Addressing the First Goal of Healthy People 2010, Improving Health Expectancy. Healthy People: Statistical Notes, No. 22, September.
- Crimmins, E. (2002). Health Expectancies: What can we expect from summary indicators of population health? In C. Murray, J. Solomon, C. Mathers, A. Lopez and R. Lozano (Eds.), Summary Measures of Population Health. WHO, Geneva, pp. 213-219.
- Tabbarah, M., Crimmins, E. & Seeman, T. (2002). The Relationship Between Cognitive and Physical Performance: MacArthur Studies of Successful Aging. Journal of Gerontology: Medical Sciences, 57A, M228-M235.
- Suthers, K., Kim, J., & Crimmins, E. (2003). Life expectancy with cognitive impairment in the older population of the United States. Journal of Gerontology: Social Sciences, 58B, S179-S186.
- Crimmins, E., Johnston, M., Hayward, M., & Seeman, T. (2003). Age differences in allostatic load: an index of physiological dysregulation. Experimental Gerontology, 38, 731-734.
- Hu, P., Reuben, D.B., Crimmins, E.M., Harris, T.B., Hwang, M-H., & Seeman, T.E. (2004). The effects of serum beta-carotene concentrations and burden of inflammation on all-cause mortality in high-functioning older persons: MacArthur studies of successful aging. Journal of Gerontology: Medical Sciences, 59, M849-M854.
- Crimmins, E. (2004). Trends in the Health of the Elderly. Annual Review of Public Health, 25, 17.1-17.20.
- Seeman, T. E., Crimmins, E., Singer, B., Bucur, A., Huang, M-H., Gruenwald, T., Berkman, L. F., & Reuben, D. B. (2004). Cumulative biological risk and socio-economic differences in mortality: MacArthur studies of successful aging. Social Science and Medicine, 58, 1985 - 1997.
- Crimmins, E., and Hayward, M. (2004). Workplace characteristics and work disability onset for men and women. Social and Preventive Medicine, 49, 122-131.

- Crimmins, E., Hayward, Mark D., and Seeman, T. (2004). Race/Ethnicity, Socioeconomic Status, and Health. In N. Anderson, R. Bulatao and B. Cohen (eds.), Critical Perspectives on Race and Ethnic Differences in Health in Later Life, The National Academies Press, pp. 310-352.
- Crimmins, E. and Seeman, T. (2004). Integrating biology into the study of health disparities. Population and Development Review, 30, 89-107.
- Finch, C., and Crimmins, E. (2004). Inflammatory exposure and historical changes in human life-spans. Science, 305, 1736-1739.
- Freedman, V. A., Crimmins, E., Schoeni, R.F. et al. (2004). Resolving inconsistencies in old-age disability trends: Report from a technical working group. Demography, 41, 417-441.
- Seeman, T.E., Huang, M., Bretsky, P., Crimmins, E., Launer, L., and Guralnik, J. M. (2005). Education and apoe-ε4 in longitudinal cognitive decline: MacArthur Studies of Successful Aging. Journal of Gerontology: Psychological Sciences, 60, P74 -P83.
- Finch, C., and Crimmins, E. (2005). Response to comment on “inflammatory exposure and historical changes in human life-spans.” Science, 308, 1743.
- Crimmins, E. (2005). Socioeconomic differentials in mortality and health at the older ages. Genus, 61, 163-176.
- Crimmins, E., and Finch, C. (2005). Early life conditions affect old age mortality. In J. Carey, J.-M. Robine, J.-P. Michel, and Y. Christen (eds.), Longevity and Frailty, Heidelberg: Springer-Verlag, pp. 99-117.
- Crimmins, E., Alley, D., Reynolds, S., Johnston, M., Karlamangla, A., Seeman, T.(2005) Changes in biological markers of health: Older Americans in the 1990s. Journal of Gerontology: Medical Sciences, 60, 1409-1413.
- Andel, R., Crowe, M., Pedersen, N., Mortimer, J., Crimmins, E., Johansson, B., and Gatz, M. (2005) Complexity of work and risk of Alzheimer’s disease: A population-based study of Swedish twins. Journal of Gerontology: Psychological Sciences, 60, 251-258.
- Reynolds, S.L., Saito, Y., and Crimmins, E. (2005). The impact of obesity on active life expectancy in older American men and women. The Gerontologist, 45, 438-444.
- Hu, P., Bretsky, P., Crimmins, E.M., Guralnik, J.M., Reuben, D.B., and Seeman, T.E. (2006). The association between serum beta-carotene levels and decline of cognitive function in high-functioning older persons with or without apolipoprotein E 4 Alleles: MacArthur Studies of Successful Aging. Journal of Gerontology: Medical Science, 61, 616-620.
- Crimmins, E.M., Johnston, M., Hayward, M., and Seeman, T. (2006) Age differences in allostatic load: An index of frailty, In Zeng Yi et al. (Eds.), Longer Life and Healthy Aging, Springer-Kluwer Press, 111-126.
- Crimmins E. and Finch, C.E. (2006). Infection, Inflammation, Height, and Longevity. Proceedings of the National Academy of Sciences, 103, 498-503.
- Alley, D., Seeman, T.E., Kim, J.K., Karlamangla, A. , Hu, P., Crimmins, E.M. (2006). Socioeconomic status and C-reactive protein levels in the U.S. Population: NHANES IV. Brain, Behavior, and Immunity, 20, 498-504.
- Kim, J.K., Alley, D., Seeman, T., Karlamangla, A. and Crimmins, E.(2006). Recent Changes in Cardiovascular Risk Factors Among Women and Men, Journal of Women’s Health, 15, 734-746.
- Crimmins, E.M., Soldo, Beth J., Kim, Jung Ki, Alley, D. (2007). Using Anthropometric Indicators for Mexicans in the United States and Mexico to Understand the Selection of Migrants and the “Hispanic Paradox”. Social Biology. 52, 164-177.
- Crimmins, E.M. and Finch, C.E. (2006). Commentary: Do Older Men and Women Gain Equally from Improving Childhood Conditions? International Journal of Epidemiology, 35, 1270-1271.
- Alley, D. and Crimmins, E.M.. (2007). Education and cognitive decline in older Americans: Results from the AHEAD sample. Research on Aging. 29, 73-94.
- Crimmins, E.M, Kim, J.K., Alley, D.A., Karlamangla, A., Seeman, T. (2007). Hispanic Paradox in Biological Risk Profiles. American Journal of Public Health. 97, 1305-1310.
- Takagi, E., Silverstein, M., & Crimmins, E. Intergenerational Coresidence of Older Adults in Japan: Multi-Level Conditions for Cultural Plasticity?, Journal of Gerontology: Social Sciences. Forthcoming.
- Alley, D. E., Crimmins, E. M., Hu, P., Karlamangla, A., & Seeman, T.E. Inflammation and Rate of Cognitive Change in High-Functioning Older Adults, The Journal of Gerontology: Medical Sciences. Forthcoming
- Kim, J.K., Alley, D. Hu, P., Karlamangla, A., Seeman, T., & Crimmins, E. Changes in Postmenopausal Hormone Therapy Use Since 1988. Women’s Health Issues. Forthcoming.
- Curven, M., Kaplan, H., Winking, J., Finch, C., Crimmins, E. “Inflammation Levels in Two Epidemiological Worlds”, Journal of Gerontology: Medical Sciences (forthcoming).

Principal Investigator/Program Director (Last, First, Middle): Crimmins, Eileen M.

- Eileen M. Crimmins, Mark D. Hayward, Hiroshi Ueda, Yasuhiko Saito, and Jung Ki Kim. Life With and Without Heart Disease among Women and Men over 50, Journal of Women and Aging, forthcoming.
- Alley, D., Crimmins, E., Bandeen-Roche, K., Guralnik, J., Ferrucci, L. 2008. Three-year change in inflammatory markers in elderly people and mortality: The Invecchiare in Chianti Study, Journal of the American Geriatrics Society, forthcoming.
- Seeman, T., Merkin, S., Crimmins, E., Koretz, B., Karlamangla, A. Education, Income and Ethnic Differences in Cumulative Biological Risk Profiles in a National Sample of US Adults: NHANES III (1988-1994), Social Science and Medicine, forthcoming.

**C. Research Support.** List selected ongoing or completed (during the last three years) research projects (federal and non-federal support). Begin with the projects that are most relevant to the research proposed in this application. Briefly indicate the overall goals of the projects and responsibilities of principal investigator identified above.

NIA P30 AG17265  
8/15/99-6/30/08  
USC/UCLA Center on Biodemography and Population Health  
Principal Investigator: Eileen M. Crimmins  
The primary purpose of BPH is to provide a synergistic research environment for the integration and translation of research findings from a variety of disciplines such as epidemiology, clinical geriatrics, biostatistics, and biology into their effects on the health status of populations and the expected life cycles of individuals.

NIA 5-T32-AG00037  
5/1/03 - 4/30/08  
Principal Investigator: Eileen Crimmins  
Multidisciplinary Research Training in Gerontology  
Pre and postdoctoral research training in gerontology.

NIA R01 AG023347-01  
9/01/03 – 8/31/08  
Principal Investigator: Eileen M. Crimmins  
Biological Risk Underlying Education Health Differentials  
Investigates how educational attainment in the population aged 20 and older is related to biological risk.

NIA R01 AG02667  
07/10/2005-06/30/2009  
Principal Investigator: John Strauss  
Consultant: Eileen Crimmins  
The Fourth Indonesia Family Life Survey of Aging  
Consultant for work on integrating biological markers.

NIA R01-AG17055  
5/1/99 - 4/30/04  
Principal Investigator: Eileen M. Crimmins  
Biological Explanations of SES Differences in Health  
Investigating the biological mechanisms that are hypothesized to underlie economic differences in health outcomes among older people.

NIA R03-AG021656  
Principal Investigator: Eileen M. Crimmins

Preparation and Distribution of the NUJLSOA  
10/01/2002-8/31/2005:  
The aim of this project is to prepare and distribute to the international research community two waves of data from the Nihon University Japanese Longitudinal Study of Aging (NUJLSOA).

Interagency Agreement #99-86599 (2000-04)  
State of California and UCLA  
Center for Long Term Care Integration  
Research on the integration of MediCal and Medicare.  
Principal Investigator: Kate Wilber  
7/1/00-2/14/04