

SYRACUSE UNIVERSITY  
DEPARTMENT OF PUBLIC ADMINISTRATION

PPA 730-3

**DEMOGRAPHY, AGING, AND PUBLIC POLICY**

Spring 1998

Tuesdays, 3:00-6:00, Eggers Hall 113

**SYLLABUS**

**Douglas A. Wolf**

Office: 413 Eggers Hall (in Center for Policy Research)

Office Hours: Tuesday, 10:00-11:30 AM

Thursday, 1:30 - 3:00 PM

Appointments are available on Wednesdays (through Ann Wicks).

e-mail: dawolf@maxwell.syr.edu

Secretary: Ann Wicks (agwicks@syr.edu; 443-1285)

**OBJECTIVES AND COURSE FORMAT**

This course is intended to provide students with an understanding of the basic tools of demographic analysis; to acquaint them with key facts about demographic trends in the U.S. and elsewhere, and with the connections among fundamental demographic forces and population aging; to survey a series of topics in "social demography" and "social gerontology" of particular importance in aging societies; and to consider some of the policy issues that arise in connection with population aging.

The course will be conducted using a combination of lecture and discussion. The material presented in the first weeks of the course consists mainly of demographic concepts and tools, and is somewhat technical in nature; these weeks will inevitably be conducted mainly in lecture format. Later, as we consider material drawn from applied demographic and gerontological research, and the associated policy issues, class discussion will occupy a larger share of our time.

**READINGS**

This course will entail a substantial amount of reading. The following books are available from

the Orange Bookstore:

Harry Moody, *Aging: Concepts and Controversies* (Pine Forge Press, 1994);

Population Reference Bureau, *Population Handbook*, Fourth Edition.

The books will be supplemented by outside readings from books, journals, magazines and newspapers. Most will be made available in a photocopied course reader available at the Campus Copy Center. Several will be distributed in class. An extensive supplementary reading list on the topics covered in this class is in preparation and will be distributed.

## **COURSE REQUIREMENTS AND GRADING**

Students are expected to attend class, read the required readings PRIOR to the class in which they will be presented and discussed, and to participate in class discussions. Generally, a list of discussion questions will be distributed to accompany the following week's readings. There will also be several written assignments, two oral presentations, and a final exam.

Grading for the course will be based on the following:

(1) The **quality** of class participation: **15%** of the course grade.

(2) Country case study report: each student will prepare a short (6-8 page) report on population aging in a country of their choice (other than the US, which I will be using as an example in lectures); the process of choosing countries will be managed such that there are no duplications. The report should provide a description of the current population profile of the country, and discuss the demographic forces that are contributing to population aging. Another issue that *could* be addressed is the consequences of projected trends in underlying demographic factors. I will provide you with data produced by the United Nations Population Division that will be more than adequate for this assignment. The same data are available in published form in the library. Further information on this assignment, including examples of this type of report (such as the "Aging Trends" articles routinely published in the *Journal of Cross-Cultural Gerontology*), will be supplied.

percentage of course grade: **20%**

**DUE DATE:** February 17

(3) Research summary/critique paper.

This, again, is to be a short (6-8 page) paper that summarizes and critiques the views presented in two published research papers, with respect to a well-specified research question. The supplementary reading list distributed with this syllabus is intended to serve as a guide to the selection of research papers for use in this assignment. Among the many substantive questions that could serve to motivate this assignment are "why do women provide more care to family members than men?"; "does home-based long-term care lead to savings in public programs?";

"do older people undermine local school budgets?"; "is the Family and Medical Leave Act of 1993 costly to employers?"; "is there a theoretical upper bound on longevity?"; and so on.

percentage of course grade: **20%**

**DUE DATE:** March 31

(4) "Opinion" or "advocacy" essay.

Unlike the research summary/critique assignment, this assignment will ask you to argue a position, but one that is grounded in fact. This should be modeled on the "op-ed" style of writing, and might deal with a research issue suggested by the readings and/or a current policy issue. Further details will be provided in class.

percentage of course grade: **20%**

**DUE DATE:** April 28

(5) Final exam: there will be a final exam, given during the scheduled slot of exam period, to which you may bring your **notes** (on lectures, texts, readings, etc.). The intent will be not to test your ability to solve problems (or to do calculations); rather it will be a test of your ability to think about, and draw connections among, the ideas and readings covered in the course.

percentage of course grade: **25%**

**TOPICAL AGENDA** (subject to elaboration/change)

The following agenda lists a sequence of topics to be covered during the semester. Associated with each topic area are a list of questions and issues to be addressed, and a list of readings. The readings will form the basis of class discussion.

1. Overview of course; demographic concepts, tools, data, and measures.

Reading: PRB *Population Handbook*, chapters 1-4, 11.

2. Demographic perspectives on population aging in the U.S.: Patterns, Origins, Projections, and Consequences.

Issues/questions:

How "old" is the U.S. population, and how does this compare with past and projected future patterns? To what extent is population aging a result of changes in mortality and in fertility patterns? Can we do anything about it? How does changing age structure of the population influence individual lives? Collective behavior? The economy?

Readings:

Sam Preston, *American Longevity: Past, Present, and Future*. CPR Policy Brief No. 7, 1996.

Frank Bean, "The Baby Boom and Its Explanations." *The Sociological Quarterly* 24 (1983):353-6.5

J. Vaupel, "Passage to Methuselah: Some demographic consequences of continued progress against mortality." *American Journal of Public Health* 76 (1986):430-433.

Richard Easterlin, "Conclusion." Chapter 9 of *Birth and Fortune* (New York: Basic Books, 1980).

Tom Espenshade, "Can Immigration Slow U.S. Population Aging?" *Journal of Policy Analysis and Management* 13 (1994):759-768.

### 3. Mortality patterns, trends, and differentials

Issues/questions:

What are the patterns of mortality by age; trends in death rates; life expectancy and the Life Table; differential mortality by gender, race, and other factors.

Readings:

Evan Hadley, "Causes of Death Among the Oldest-Old." Chapter 9 in R. Suzman, D. Willis and K. Manton (eds.), *The Oldest Old* (Oxford University Press, 1992).

C.A. Nathanson, "Sex Differences in Mortality." *Annual Review of Sociology*, 1984: 191-213.

K.G. Manton and Burton Singer, "What's the Fuss About Compression of Mortality?" *Chance* 7 (1994):21-30.

### 4. Disease and disability; assessment of functional status; active life expectancy.

Issues/questions:

Diseases and conditions of old age; activities of daily living and "active life expectancy"; the "longer life-better health" tradeoff controversy; cognition.

Readings:

Moody, pp. 10-15.

Spector, William D. (1990). "Functional Disability Scales." In B. Spiker, ed., *Quality of Life Assessments in Clinical Trials*, 115-129. New York: Raven Press.

"Long-Term Care," chapter 21 in *The President's Health Security Plan* (New York: Times Books, 1993) [particularly section on eligibility criteria].

Eileen Crimmins et al., "Trends in Disability-Free Life Expectancy in the United States, 1970-90." *Population and Development Review* 23(1997):555-572.

## 5. Issues in the biology and genetics of aging.

Issues/questions:

Why do we live so long? Why and how do we age? Is there a genetic "clock"? Are there genetic influences on social organization?

Readings:

Moody, pp. 35-65

TBL Kirkwood, "The evolution of aging." *Reviews in Clinical Gerontology* 5(1995):3-9.

Stephen T. Emlen, "An evolutionary theory of the family." *Proceedings of the National Academy of Science* 92 (1995): 8092-8099.

## 6. Household composition and living arrangements of the elderly.

Issues/questions:

In what kinds of living arrangements are the elderly found? What factors influence the decision to live in the community versus in a nursing home? Who do the elderly live with? What are the consequences of sharing residential space?

Readings:

Burch, Thomas K. and Beverly J. Matthews. 1987. "Household formation in developed societies." *Population and Development Review* 13:495-512.

Jon Pynoos and Stephen Golant, "Housing and Living Arrangements for the Elderly." Chapter 16 in *Handbook of Aging and the Social Sciences* (Fourth Edition). New York: Academic Press.

D. Wolf, "Changes in the Living Arrangements of Older Women: An International Study." *The Gerontologist*, December 1995: 724-731.

## 7. Care of the "frail" elderly--

Moody, pp. 127-152

(A) Norms, expectations, attitudes, and preferences

E. Brody, "Parent Care as a Normative Family Stress." *The Gerontologist* 25 (1985): 19-

29.

Merrill Silverstein and Tonya Parrott, "Attitudes Toward Public Support of the Elderly." *Research on Aging* 19(1997):108-132.

T.J. Mattimore et al., "Surrogate and Physician Understanding of Patients' Preferences for Living Permanently in a Nursing Home." *Journal of the American Geriatrics Society* 45 (1997):818-24.

(B) Patterns of care

Matthews, Sarah H. (1987). "Provision of Care to Old Parents: Division of Responsibility Among Adult Children." *Research on Aging* 9:45-60.

(C) The policy environment

"Overview of the Medicare and Medicaid Programs." *Health Care Financing Review, Medicare and Medicaid Statistical Supplement*, 1997.

Christine Bishop and Kathleen Skwara, "Recent Growth of Medicare Home Health." *Health Affairs*, Fall 1993: 95-110.

Charlene Harrington et al., "The Effect of Certificate of Need and Moratoria Policy on Change in Nursing Home Beds in the United States." *Medical Care* 35 (1997):574-588.

(D) Work-caregiving tradeoffs; the Family and Medical Leave Act of 1993

Christopher Ruhm, "The Family and Medical Leave Act." *Journal of Economic Perspectives* 11(1997):175-186.

Pavalko, E.K. and J.E. Artis. 1997. "Women's Caregiving and Paid Work: Causal Relationships in Late Midlife." *Journal of Gerontology: Social Sciences* 52B:S170-S179.

(E) How should the "burden" of elder care be distributed?

Moody, pp. 71-94.

Alan Garber, "To Comfort Always: The Prospects of Expanded Social Responsibility for Long-Term Care." Pp. 143-171 in Victor R. Fuchs (ed.), *Individual and Social Responsibility*. University of Chicago Press, 1996.

D. Wolf, "Efficiency in the Allocation and Targeting of Long-Term Care Resources."

8. Migration of the elderly; proximity of family members and its consequences

Readings:

Litwak, Eugene and Charles F. Longino. 1987. "Migration Patterns among the Elderly: A Developmental Perspective," *The Gerontologist*, 27: 266-272.

Clark, Rebecca L. and Douglas A. Wolf (1992). "Proximity of Children and Elderly Migration." Pp. 77-96 in Andrei Rogers (ed.), *Elderly Migration and Population Redistribution*. London: Belhaven Press.

Mark Robbins, William Duncombe and Douglas Wolf, "Can State and Local Governments Influence Elderly Migration?"

## 9. Ethical issues in aging

### Issues/Questions:

Is euthanasia acceptable? Assisted suicide? Can the wishes of older people be ascertained and adhered to? Should we screen for genetic predisposition to Alzheimer's disease? What are the limits on uses of information so obtained?

### Readings:

Moody, pp. 99-125.

David Asch, "The Role of Critical Care Nurses in Euthanasia and Assisted Suicide." *New England Journal of Medicine* 334 (1996):1374-1379.

M. Danis et al., "A Prospective Study of Advance Directives for Life-Sustaining Care." *New England Journal of Medicine* 324(1991): 882-888.

Kathy Hudson et al., "Genetic discrimination and health insurance: An urgent need for reform." *Science* 270 (October 1995):391-393.

## 10. The politics of age and generational "warfare"

### Issues/questions:

Age-group competition; the elderly as an interest group; popular imagery regarding the elderly; is there an "old-age crisis"?

### Readings:

Moody, pp. 189-250.

Annual Report of the Board of Trustees of the Federal Supplementary Medical Insurance Trust Fund (Medicare).

S. Preston, "Children and the elderly: Divergent paths for America's dependents." *Demography* 21 (1984):435-457.

T. Button, "A Sign of Generational Conflict: The Impact of Florida's Aging Voters on Local School and Tax Referenda." *Social Science Quarterly* 73 (1992):786-97.

Peter Peterson, "Will America Grow Up Before it Grows Old?" *The Atlantic Monthly*, May 1996.

Reading List: "Demography, Aging, and Public Policy"

(updated) January 1998

Douglas A. Wolf

**GENERAL SOURCES**

Linda Martin and Samuel Preston (eds.), *Demography of Aging*. National Academy Press, 1994.

Robert Binstock and Linda George (eds.), *Handbook of Aging and the Social Sciences*. Academic Press, 1990.

Richard Suzman, David Willis and Kenneth Manton (eds.), *The Oldest Old*. Oxford University Press, 1992.

George Maddox (ed.), *The Encyclopedia of Aging*. Springer, 1995.

**DEMOGRAPHIC PERSPECTIVES ON POPULATION AGING**

*Patterns and trends*

Treas, Judith. (1995). "Older Americans in the 1990s and Beyond," *Population Bulletin* 50(2).

Cynthia Taeuber and Ira Rosenwaike, "A Demographic Portrait of the Oldest Old." Chapter 2 in Suzman, Willis and Manton.

Kevin Kinsella and Cynthia Taeuber, *An Aging World II*. U.S. Bureau of the Census report P95/92-3, 1993.

Jacqueline Lowe Angel and Dennis P. Hogan, "The Demography of Minority Aging Populations." *Journal of Family History* 17 (1992):95-115.

*Origins*

Sam Preston, *American Longevity: Past, Present, and Future*. CPR Policy Brief No. 7, 1996.

Kevin M. White and Samuel H. Preston, "How many Americans are alive because of twentieth-century Improvements in Mortality?" *Population and Development Review* 22(3):415-429 (September 1996).

Ansley Coale, "How a population ages or grows younger." In R. Freedman (ed.), *Population: The Vital Revolution*. Anchor Books, 1964.

Frank Bean, "The Baby Boom and Its Explanations." *The Sociological Quarterly* 24 (1983):353-

Tom Espenshade, "Can Immigration Slow U.S. Population Aging?" *Journal of Policy Analysis and Management* 13 (1994):759-768.

### ***Projections***

J. Vaupel, "Passage to Methuselah: Some demographic consequences of continued progress against mortality." *American Journal of Public Health* 76 (1986):430-433.

Dennis Ahlburg and James Vaupel, "Alternative projections of the U.S. population." *Demography* 27(4):639-652, 1990.

Guralnik, Yanagishita and Schneider, "Projecting the older population of the United States: lessons from the past and prospects for the future." *Milbank Quarterly*. 1988; 66(2):283-308.

Lee, Ronald D. and Shripad Tuljapurkar 1994. "Stochastic population forecasts for the United States: Beyond high, medium, and low." *Journal of the American Statistical Association* 89:1175-1189.

Keyfitz, N. 1981. "The limits of population forecasting." *Population and Development Review* 7:579-593.

Land, Kenneth C. 1986. "Methods for national population forecasts: A review." *Journal of the American Statistical Association* 81:888-901.

### ***Consequences***

Richard Easterlin, "Conclusion." Chapter 9 of *Birth and Fortune* (New York: Basic Books, 1980).

Ron Lee, "Population policy and externalities to childbearing." *Annals of the American Academy of Political and Social Sciences* 510 (July 1990): 17-32.

Lawrence Kotlikoff, *Generational Accounting: Knowing Who Pays, and When, for What We Spend*. Free Press, 1992.

James Poterba and Lawrence Summers, "Public policy implications of declining old-age mortality." In Gary Burtless (ed.), *Work, health, and income among the elderly*. The Brookings Institution, 1987.

Nathan Keyfitz, "Technology, employment, and the succession of generations." *Insurance: Mathematics and Economics* 3 (1984):219-230.

George Myers, "Demographic aging and family support for older persons." Chapter 3 in Kendig, Hashimoto, and Coppard, *Family Support for the Elderly: The International Experience*. Oxford

University Press, 1992.

S. Watkins, J. Menken and J. Bongaarts, "Demographic foundations of family change." *American Sociological Review* 52 (1987):346-358.

Hammel, E.A., K.W. Wachter, and C.K. McDaniel 1981. "The kin of the aged in A.D. 2000: The chickens come home to roost." In *Aging: Social Change*. New York: Academic Press.

D. Wolf, "Kinship and family support in aging societies." In United Nations, *Economic and Social Implications of Population Aging*, 1990.

C. Himes (1992), "Future caregivers: Projected family structures of older persons." *Journal of Gerontology: Social Sciences* 47:S17-26.

## **MORTALITY**

### ***Patterns and trends***

B. Strehler and A. Mildvan, "General theory of mortality and aging." *Science*, 1960 (vol. 132), 14-21.

M.J. Murphy (1995), "Methods for forecasting mortality and their performance." *Reviews in Clinical Gerontology* 5: 217-227.

V. Kannisto, J. Laursiten, A. Thatcher and J. Vaupel (1994), "Reductions in mortality at advanced ages: Several decades of evidence from 27 countries." *Population and Development Review* 20:793-810.

E. Hadley, "Causes of death among the oldest old." In Suzman, Willis, and Manton (eds.), *The Oldest Old*. Oxford University Press, 1992.

Kenneth Manton, "Cause specific mortality patterns among the oldest old: multiple cause of death trends 1968 to 1980." *Journal of Gerontology*. 1986 41(2):282-9.

Manton KG; Singer B . "What's the fuss about compression of mortality?" *Chance*. 1994;7(4):21-30.

Horm JW; Sondik EJ . "Person-years of life lost due to cancer in the United States, 1970 and 1984." *American Journal Of Public Health*. 1989 Nov;79(11):1,490-3.

James Vaupel and Kenneth Manton, "Survival after the age of 80 in the United States, Sweden, France, England and Japan." *New England Journal of Medicine* 333(18): Nov. 2, 1995: 1232-1235.

James Lubitz et al., "Longevity and Medicaid Expenditures." *New England Journal of Medicine* 332(1995):999-1005.

### ***Differential mortality***

E. Kitagawa and P. Hauser, *Differential mortality in the United States: A study in socioeconomic epidemiology*. Cambridge: Harvard University Press, 1973.

#### ***by sex--***

Constance A. Nathanson, "Sex differences in mortality." In *Annual Review of Sociology*, 1984, pp. 191-213.

I. Waldron (1983), "Sex differences in human mortality: The role of genetic factors." *Social Science and Medicine* 17:321-333.

M. Passannante and C. Nathanson (1985), "Female labor force participation and female mortality in Wisconsin 1974-1978." *Social Science and Medicine* 21:655-665.

#### ***by race--***

Robert A. Hummer, "Black-White Differences in Health and Mortality: A Review and Conceptual Model." *The Sociological Quarterly* 37(1996): 105-125.

Manton, Kenneth G., C.H. Patrick, and K.W. Johnson. (1987). "Health Differentials Between Blacks and Whites: Recent Trends in Mortality and Morbidity." *Milbank Quarterly* 65 (suppl. 1): 129-199.

Sam Preston, Irma Elo, Ira Rosenwaike, and Mark Hill, "African-American Mortality at Older Ages: Results of a Matching Study." Unpublished manuscript, 1995.

Marian Gornick et al., "Effects of race and income on mortality and use of services among Medicare recipients." *New England Journal of Medicine* 335(1996):791-799.

R. Rogers, "Living and dying in the U.S.A.: Sociodemographic determinants of death among blacks and whites." *Demography*, May 1992, 287-304.

#### ***by socioeconomic status; occupation--***

J. Feldstein (1993), "The relationship between socioeconomic status and health: A review of the literature." *The Milbank Quarterly* 71:279-322.

Mark Hayward, William Grady, Melissa Hardy, and David Sommers (1989), "Occupational influences on retirement, disability, and death." *Demography* 26:393-409.

Sam Preston and Paul Taubman, "Socioeconomic differentials in adult mortality and health status." Chapter 8 in Martin and Preston.

Sam Preston and Irma Elo, "Are educational differentials in adult mortality increasing in the

United States?" *Journal of Aging and Health* 7:476-496. 1995.

***by marital status; bereavement effects--***

F. Kobrin and G. Hendershot, "Do family ties reduce mortality? Evidence from the United States, 1966-1968." *Journal of Marriage and the Family* (1977): 737-745.

Y. Hu and N. Goldman, "Mortality differentials by marital status: An international comparison." *Demography* 27(2):233-250, 1990.

Noreen Goldman, "Marriage selection and mortality patterns: inferences and fallacies." *Demography*. 1993 May; 30(2):189-208.

K. Helsing and M. Szklo (1981), "Mortality after bereavement." *American Journal of Epidemiology* 114:41-52.

Mendes de Leon CF; Kasl SV; Jacobs S, "Widowhood and mortality risk in a community sample of the elderly: a prospective study." *Journal of Clinical Epidemiology*. 1993;46(6):519-27.

A. Bowling, "Mortality after bereavement: A review of the literature on survival periods and factors affecting survival." *Social Science and Medicine*. 1987;24(2):117-24.

Ken Smith and Cathy Zick (1994), "Linked lives, dependent demise? Survival analysis of husbands and wives." *Demography*. 1994 Feb;31(1):81-93.

***macro influences on mortality; effects of inequality***

R.G. Wilkinson, "Income distribution and life expectancy." *British Medical Journal* 34 (1992):165-168.

George Kaplan et al., "Inequality in income and mortality in the United States: analysis of mortality and potential pathways." *British Medical Journal* 312 (1996):999-1003.

Bruce Kennedy et al., "Income distribution and mortality: cross sectional ecological study of the Robin Hood index in the United States." *British Medical Journal* 312 (1996):1004-1007.

Yoav Ben-Schlomo et al., "Does the variation in the socioeconomic characteristics of an area affect mortality?" *British Medical Journal* 312 (1996):1013-1014.

Harriet Duleep (1995), "Mortality and income inequality among economically developed countries." *Social Security Bulletin* 58:34-50.

Bruce Kennedy et al., "(Dis)respect and black mortality." *Ethnicity and Disease* 7 (1997):xxx-xxx.

***other--***

S.D. Morrison (1983), "Nutrition and longevity." *Nutrition Reviews* 41:133-142.

June Stevens et al, "The effect of age on the association between body-mass index and mortality." *New England Journal of Medicine* 338(1998):1-7.

Michael Thun et al., "Alcohol consumption and mortality among middle-aged and elderly U.S. residents." *New England Journal of Medicine* 337(1997):1705-1714.

D. Zuckerman, S. Kasl and A. Ostfeld (1984), "Psychosocial predictors of mortality among the elderly poor: The role of religion, well-being, and social contacts." *American Journal of Epidemiology* 119:410-423.

Irma Elo and Sam Preston (1992), "Effects of Early-Life Conditions on Adult Mortality: A Review." *Population Index* 58:186-212.

## **DISEASE AND DISABILITY**

### ***Measurement and Assessment***

Spector, William D. (1990). "Functional Disability Scales." In B. Spiker, ed., *Quality of Life Assessments in Clinical Trials*, 115-129. New York: Raven Press.

Katz, Sidney, Amasa B. Ford, Roland W. Moskowitz, Beverly A. Jackson, and Marjorie W. Jaffee. (1963). "Studies of Illness in the Aged. The Index of ADL: A Standardized Measure of Biological and Psychosocial Function." *Journal of the American Medical Association* 185: 914-919.

Richard Besdine, "Functional assessment in the elderly." Chapter 4 in Rowe and Besdine (eds.), *Geriatric Medicine*. Little, Brown and Company 1988.

Wiener, Joshua M., Raymond J. Hanley, Robert Clark, and Joan F. Van Nostrand. (1990). "Measuring the Activities of Daily Living: Comparisons Across National Surveys." *Journal of Gerontology* 45(6): S229-237.

Powell Lawton and Renee Lawrence, "Assessing Health." Chapter 2 in Lawton and Teresi, *Annual Review of Gerontology and Geriatrics*, Volume 14 (1994). Springer Publishing Co.

Mary Grace Kovar and Stephanie Studenski, "Functional Disability: Activities and Instrumental Activities of Daily Living." Chapter 3 in Lawton and Teresi, *Annual Review of Gerontology and Geriatrics*, Volume 14 (1994). Springer Publishing Co.

Richard Besdine, "Dementia and delirium." Chapter 27 in Rowe and Besdine (eds.), *Geriatric Medicine*. Little, Brown and Company 1988.

### ***Trends and differentials***

Vicki Freedman and Beth Soldo, *Trends in Disability at Older Ages: Summary of a Workshop*. National Academy Press, 1994.

Manton, Kenneth G. (1988). "A Longitudinal Study of Functional Change and Mortality in the United States." *Journal of Gerontology* 43: S153-161.

Manton, Kenneth G., Larry S. Corder, and Eric Stallard. (1993). "Estimates of Change in Chronic Disability and Institutional Incidence and Prevalence Rates in the U.S. Elderly Population From the 1982, 1984, and 1989 National Long Term Care Survey." *Journal of Gerontology* 48: S153-166.

Vicki Freedman and Linda Martin, "The role of education in explaining and forecasting trends in functional limitations among older Americans." Presented at the Annual Meetings of the Gerontological Society of America, Cincinnati, November 1997.

George Maddox, Daniel Clark, and Karen Steinhauser, "Dynamics of Functional Impairment in Late Adulthood." *Social Science and Medicine* 38 (1994):925-936.

J.C. Riley (1990), "The risk of being sick: Morbidity trends in four countries." *Population and Development Review* 16:403-432.

Verbrugge, Lois M. (1984). "Longer Life But Worsening Health? Trends in Health and Mortality of Middle-aged and Older Persons." *Milbank Quarterly* 63(3): 475-519.

C. Murray and A. Lopez, "The Global Burden of Disease" (Summary). Harvard School of Public Health, 1996.

### ***Active Life Expectancy***

Eileen Crimmins et al., "Trends in Disability-Free Life Expectancy in the United States, 1970-90." *Population and Development Review* 23(1997):555-572.

Crimmins, Eileen M., Mark D. Hayward, Yasuhiko Saito. (February 1994). "Changing Mortality and Morbidity Rates and the Health Status and Life Expectancy of the Older Population." *Demography* 31(1): 159-175.

Crimmins, Eileen M., Yasuhiko Saito, and Dominique Ingegneri. (June 1989). "Changes in Life Expectancy and Disability-Free Life Expectancy in the United States." *Population and Development Review* 15(2): 235-267.

Ken Manton and Eric Stallard, (1990) "Cross-sectional estimates of active life expectancy for the U.S. elderly and oldest-old populations." *Journal of Gerontology: Social Sciences* 46:S170-182.

Guralnik, Jack M., Kenneth C. Land, Dan Blazer, Gerda G. Fillenbaum, and Laurence G. Branch. (July 8 1993). "Educational Status and Active Life Expectancy Among Older Blacks and

Whites." *New England Journal of Medicine* 329(2): 110-116.

Rogers, Richard G., Andrei Rogers, and Alain Belanger. (1989). "Active Life Among the Elderly in the United States: Multistate Life-table Estimates and Population Projections." *The Milbank Quarterly* 67: 370-411.

## **BIOLOGICAL AND GENETIC PERSPECTIVES**

TBL Kirkwood, "The evolution of aging." *Reviews in Clinical Gerontology* 5(1995):3-9.

Michael R. Rose, *Evolutionary Biology of Aging*. Oxford University Press, 1991.

Leonard Hayflick, *How and Why We Age*. Ballantine Books, 1994.

S. J. Olshansky et al., "The Aging of the Human Species." *Scientific American*, April 1993.

H.C.J. Godfray (1995), "Evolutionary theory of parent-offspring conflict." *Nature* 376:133-138.

Stephen T. Emlen, "An evolutionary theory of the family." *Proceedings of the National Academy of Science* 92 (1995): 8092-8099.

Thorkild Sørensen et al., "Genetic and Environmental Influences on Premature Death in Adult Adoptees." *New England Journal of Medicine* 318 (1988): 727-732.

Philip Hougaard et al., "Measuring the Similarities Between the Lifetimes of Adult Danish Twins Born Between 1881-1930." *Journal of the American Statistical Association* 87(1992):17-24.

Alan C. Swedlund et al, "Family Patterns in Longevity and Longevity Patterns of the Family." *Human Biology* 55 (1983):115-129.

## **HOUSEHOLD COMPOSITION AND LIVING ARRANGEMENTS**

### ***Theories; Patterns of coresidence***

Burch, Thomas K. and Beverly J. Matthews. 1987. "Household formation in developed societies." *Population and Development Review* 13:495-512.

Jon Pynoos and Stephen Golant, "Housing and Living Arrangements for the Elderly." Chapter 16 in *Handbook of Aging and the Social Sciences* (Fourth Edition). New York: Academic Press.

Malcom Gladwell, "The Alzheimer's Strain." *The New Yorker*, October 20 & 27, 1997.

F. Kobrin, "The fall of household size and the rise of the primary individual in the U.S." *Demography* 13 (1976):127-138.

Michael, Robert T., Victor R. Fuchs, and Sharon R. Scott. 1980. "Changes in the propensity to live alone: 1950-1976." *Demography* 17:39-56.

D. Wolf, "Changes in the Living Arrangements of Older Women: An International Study. *The Gerontologist*, December 1995: 724-731.

Macunovich, Diane J., Richard A. Easterlin, Christine M. Schaeffer, and Eileen M. Crimmins. 1995. "Echoes of the Baby Boom and Bust: Recent and Prospective Changes in Living Alone Among Elderly Widows in the United States." *Demography* 32:17-28.

Ward, Russell, John Logan, and Glenna Spitze. "The influence of parent and child needs on coresidence in middle and later life." *Journal of Marriage and the Family* 54:209-221.

Wolf, Douglas A. 1984. "Kin availability and the living arrangements of older women." *Social Science Research* 13:72-89.

Wolf, Douglas A. and Beth J. Soldo. 1988. "Household composition choices of older unmarried women." *Demography* 25:387-403.

Wolf, Douglas A. (1994), "The elderly and their kin: Patterns of availability and access." Chapter 5 in Martin and Preston.

Spitze, Glenna, John R. Logan, and Joyce Robinson. 1992. "Family Structure and Changes in Living Arrangements among Elderly Nonmarried Parents," *Journal of Gerontology: Social Sciences*, 47: S289-296.

### ***Consequences***

Ward, Russell A. and Glenna Spitze. 1992. "Consequences of parent-adult child coresidence: A review and research agenda." *Journal of Family Issues* 13(4):553-572.

Jean-Paul Chavas and Annette Citzler, "On the economics of household composition." *Applied Economics* 20 (1988):1401-1418.

Chris Tilly and Randy Albelda, "Family Structure and Family Earnings: The Determinants of Earnings Differences among Family Types." *Industrial Relations* 33(1994):151-167.

Keith Waehrer and Stephen Crystal (1995), "The impact of coresidence on economic well-being of widows." *Journals of Gerontology: Social Sciences* 50B(July): S250-258.

M. Rendall and A. Speare, "Elderly poverty alleviation through living with family." *Journal of Population Economics* 8 (1995):383-405.

M. Rendall and Raisa Bachieva, "An Old-Age Security Motive for Fertility in Developed Countries? The Large Contribution of Coresident Family to the Poverty Alleviation of Unmarried and Disabled Elderly in the United States." Cornell University Population and Development Program 1997 Series Working Paper No. 97-02.

## CARE OF THE "FRAIL" ELDERLY

### *Norms, expectations, attitudes, preferences, motivations*

E. Brody, "Parent Care as a Normative Family Stress." *The Gerontologist* 25 (1985): 19-29.

Merrill Silverstein and Tonya Parrott, "Attitudes Toward Public Support of the Elderly." *Research on Aging* 19(1997):108-132.

T.J. Mattimore et al., "Surrogate and Physician Understanding of Patients' Preferences for Living Permanently in a Nursing Home." *Journal of the American Geriatrics Society* 45 (1997):818-24.

Howard Degenholtz et al., "Care-related preferences and values of elderly community-based LTC consumers: Can case managers learn what's important to clients?" *The Gerontologist* 37(1997):767-776.

Karen Holden, Timothy McBride, and Maria Perozek, "Expectations of Nursing Home Use in the Health and Retirement Study: The Role of Gender, Health, and Family Characteristics." *Journal of Gerontology: Social Sciences* 52B(1997):S240-S251.

Steven M. Albert, "Caregiving as a Cultural System: Conceptions of Filial Obligation and Parental Dependency in Urban America." *American Anthropologist* 92 (1990):319-331.

Amy Horowitz and Lois W. Shindelman, "Reciprocity and Affection: Past Influences on Current Caregiving." *Journal of Gerontological Social Work* 5(1983):5-20.

John R. Logan and Glenna D. Spitze, "Self-Interest and Altruism in Intergenerational Relations." *Demography* 32 (1995):353-64.

Alvin Schorr, "...thy father & thy mother..." *a second look at filial responsibility & family policy*. U.S. Department of Health and Human Services, Social Security Administration. SSA Publication No. 13-11953, 1980.

Chuck Peek et al, "The influence of community context on the preferences of older adults for entering a nursing home." *The Gerontologist* 37(1997):533-542.

Soldo, B.J. and M.S. Hill. 1993. "Intergenerational Transfers: Economic, Demographic and Social Perspectives." Pp. 187-216 in G.L. Maddox and M.P. Lawton (eds.), *Annual Review of Gerontology and Geriatrics*, Volume 13. New York: Springer Publishing Company.

Henretta, J., M.S. Hill, W. Li, B.J. Soldo, and D.A. Wolf. 1997. "Selection of Children to Provide Care: The Effect of Earlier Parental Transfers." *Journal of Gerontology: Social Sciences* 52B (Special Issue):110-119.

Les Whitbeck, Danny R. Hoyt, and Shirley M. Huck, "Early Family Relationships,

Intergenerational Solidarity, and Support Provided to Parents by Their Adult Children." *Journal of Gerontology: Social Sciences* 49 (1994):S85-94.

### **"Family Care"**

Matthews, Sarah H. (1987). "Provision of Care to Old Parents: Division of Responsibility Among Adult Children." *Research on Aging* 9:45-60.

Horowitz, Amy. (1985). "Family Caregiving to the Frail Elderly," in *Annual Review of Gerontology & Geriatrics* (vol. 5). New York: Springer.

Nadine Marks and James Lambert, "Family Caregiving: Contemporary Trends and Issues." Center for Demography and Ecology, University of Wisconsin, NSFH Working Paper No. 78 (May 1997). At <http://www.ssc.wisc.edu/cde/nsfhw/home.htm>

Stone, Robyn, Gail Lee Cafferata, and Judith Sangl (1987). "Caregivers of the Frail Elderly: A National Profile." *The Gerontologist* 27:616-626.

Donald E. Stull et al., "Institutionalization: A Continuation of Family Care." *The Journal of Applied Gerontology* 16 (1997): 379-402.

Coward, Raymond T. and Jeffrey W. Dwyer (1990). "The Association of Gender, Sibling Network Composition, and Patterns of Parent Care by Adult Children." *Research on Aging* 12:158-181.

Dwyer, Jeffrey W. and Raymond T. Coward (1991). "A Multivariate Comparison of the Involvement of Adult Sons Versus Daughters in the Care of Impaired Adults." *Journals of Gerontology: Social Sciences* 46:S259-269.

Himes, Christine. (1994). "Parental Caregiving by Adult Women," *Research on Aging* 16(2): 191-211.

Matthews, Sarah H. and Tena Tabler Rosner (1988). "Shared Filial Responsibility: The Family as Primary Caregiver." *Journal of Marriage and the Family* 50:185-195.

Soldo, Beth J., Emily M. Agree, and Douglas A. Wolf (1989). "The Balance Between Formal and Informal Care." Pp. 193-216 in Marcia G. Ory and Kathleen Bond (eds.), *Aging and Health Care: Social Science and Policy Perspectives*. London: Routledge.

Spitze, Glenna, and John Logan (1990). "Sons, Daughters, and Intergenerational Support." *Journal of Marriage and the Family* 52:420-430.

Wolf, D.A., Freedman, V., and B.J. Soldo. 1997. "The Division of Family Labor: Care for Elderly Parents." *Journal of Gerontology: Social Sciences* 52B (Special Issue):102-109.

Michael C. Hendrickson, "State Tax Incentives for Persons Giving Informal Care to the Elderly."

*Health Care Financing Review*, Annual Supplement, 1988, 123-128.

### ***Nursing Home Care***

Cohen, Marc A., Eileen J. Tell, and Stanley S. Wallach. 1986. "Client-Related Risk Factors of Nursing Home Entry among Elderly Adults," *Journal of Gerontology*, 41: 785-792.

Dwyer, Jeffrey W., Amy J. Barton, and W. Bruce Vogel. 1994. "Area of Residence and the Risk of Institutionalization," *Journal of Gerontology: Social Sciences*, 49: S75-84.

Garber, Alan M. and Thomas MaCurdy. 1990. "Predicting Nursing Home Utilization among the High-Risk Elderly." In D.A. Wise (ed.), *Issues in the Economics of Aging*. Chicago: The University of Chicago Press, pp. 173-200.

Greene, Vernon L. and Jan I. Ondrich. 1990. "Risk Factors for Nursing Home Admissions and Exits: A Discrete-Time Hazard Function Approach," *Journal of Gerontology: Social Sciences*, 45: S250-258.

Hanley, Raymond J., Lisa Maria B. Alexih, Joshua M. Wiener, and David L. Kennell. 1990. "Predicting Nursing Home Admissions: Results from the 1982-1984 National Long-Term Care Survey," *Research in Aging*, 12: 199-228.

Liu, Korbin, Teresa Coughlin, and Timothy McBride. 1991. "Predicting Nursing-Home Admission and Length of Stay," *Medical Care*, 29: 125-141.

Newman, Sandra J. and Raymond Struyk, with Paul Weight and Michelle Rice. 1990. "Overwhelming Odds: Caregiving and the Risk of Institutionalization," *Journal of Gerontology: Social Sciences*, 45: S173-183.

### ***"Home Care"; costs, and effectiveness***

A.E. Benjamin, "A Historical Perspective on Home Care Policy." *The Milbank Quarterly* 71(1993):129-166.

William G. Weissert, Cynthia Matthews Cready, and James E. Pawelak, "The Past and Future of Home- and Community-Based Long-term Care." *The Milbank Quarterly* 66(1988):309-388.

Joshua M. Wiener and Raymond J. Hanley, "Caring for the Disabled Elderly: There's No Place Like Home." xxx

Korbin Liu, Susan Wall, and Douglas Wissoker, "Disability and Medicare Costs of Elderly Persons." *The Milbank Quarterly* 75(1997):461-493.

Korbin Liu, Timothy D. McBride, and Teresa A. Coughlin, "Costs of Community Care for Disabled Elderly Persons: The Policy Implications." *Inquiry* 27(1990):61-72.

Vernon Greene, Mary Lovely and Jan Ondrich (1995), "Reducing nursing home use through community long-term care: An optimization analysis." *Journal of Gerontology: Social Sciences* 50B(4):S259-268.

### ***The policy environment***

"Overview of the Medicare and Medicaid Programs." *Health Care Financing Review, Medicare and Medicaid Statistical Supplement*, 1997.

Judith Feder and Jeanne Lambrew, "Why Medicare Matters to People Who Need Long-Term Care." *Health Care Financing Review* 18(1996):99-112.

Christine Bishop and Kathleen Skwara, "Recent Growth of Medicare Home Health." *Health Affairs*, Fall 1993: 95-110.

Genevieve Kenney et al., "State Spending for Medicare and Medicaid Home Care Programs." *Health Affairs* 17(1), 1998:201-212.

H. Gilbert Welch, David E. Wennberg, and W. Pete Welch, "The Use of Medicare Home Health Services." *New England Journal of Medicine* 335(1996):324-329.

Charlene Harrington et al., "The Effect of Certificate of Need and Moratoria Policy on Change in Nursing Home Beds in the United States." *Medical Care* 35 (1997):574-588.

Marc A. Cohen and Anne Tumlinson, "Understanding the State Variation in Medicare Home Health Care: The Impact of Medicaid Program Characteristics, State Policy, and Provider Attributes." *Medical Care* 35(1997):618-633.

M. Gibson, "Public health and social policy." In Kendig, Hashimoto and Coppard (eds.), *Family Support for the Elderly: The International Experience*. Oxford University Press 1992.

Nanda Kumar et al, "Understanding the Factors behind the Decision to Purchase Varying Coverage Amounts of Long-Term Care Insurance." *Health Services Research* 29(1995):653-678.

Vicki Freedman and Peter Kemper (1996), "Designing home care benefits: The range of options and experience." *Journal of Aging and Social Policy* 7(3/4), 1996, 129-148.

Spillman, Brenda C. and Peter Kemper. (1992) "Long Term Care Arrangements for Elderly Persons with Disabilities: Private and Public Roles." *Home Health Care Services Quarterly* 13:5-34.

Michael Hendrickson (1988), "State tax incentives for persons giving informal care to the elderly." *Health Care Financing Review*, Annual Supplement, pp. 123-128.

Teresa Coughlin and Mark Meiners (1990), "Service credit banking: Issues in program development." *Journal of Aging and Social Policy* 2:25-41.

Greg Arling and William McAuley (1983), "The feasibility of public payments for family caregiving." *The Gerontologist* 23:300-306.

***"Substitution" and "spenddown"***

Vernon Greene (1983), "Substitution Between Formally and Informally Provided Care for the Impaired Elderly in the Community." *Medical Care* 21(6):609-619.

Miner, Sonia. (1995). "Racial Differences in Family Support and Formal Service Utilization Among Older Persons: A Nonrecursive Model," *Journals of Gerontology: Social Sciences* 50(3): S143-53.

Ettner, Susan (1994) "The Effect of the Medicaid Home Care Benefit on Long-Term Care Choices of the Elderly." *Economic Inquiry* 32:103-127.

Hanley Wiener and Harris 1991 "Will Paid Home Care Erode Informal Support?" *Journal of Health Politics, Policy and Law* 1991 507-521.

Moscovice, Davidson and McCaffery 1988 "Substitution of Formal and Informal Care for the Community Based Elderly." *Medical Care* 30:972-981.

Smith-Barusch and Miller 1985 "The Effect of Services on Family Assistance to the Frail Elderly." *Journal of Social Services Research* 9(1):31-46.

Tennstedt, Crawford and McKinlay 1993 "Is Family Care on the Decline? A Longitudinal Investigation of the Substitution of Formal Long-term Care Services for Informal Care." *The Milbank Quarterly* 71(4):601-624.

Soldo, Beth J. and Vicki Freedman (1994). "Care of the Elderly: Division of Labor Among the Family, Market, and State." Pp. 195-216 in Linda G. Martin and Samuel H. Preston (eds.), *Demography of Aging*. Washington, D.C.: National Academy Press.

Pamela Short et al., "Public and Private Responsibility for Financing Nursing-home Care: The Effect of Medicaid Asset Spend-down." *The Milbank Quarterly* 70(1002):277-298.

***An interesting special case: New York State***

Carol Rodat et al., "New York State Home Care: A System at Risk." *Journal of Long-Term Home Health Care* 16, No. 4(1997):2-16.

Valerie J. Bogart, "Legal Issues in Securing Medicaid Home Care Services in New York." *Journal of Long-Term Home Health Care* 16, No. 1(1997):22-31.

Office of the State Comptroller, State of New York, "Departments of Social Services and Health: Long Term Home Health Care Program" (Executive Summary). Report 95-S-136, February 19,

1997.

***Work-caregiving tradeoffs; the Family and Medical Leave Act of 1993***

Christopher Ruhm, "The Family and Medical Leave Act." *Journal of Economic Perspectives* 11(1997):175-186.

Pavalko, E.K. and J.E. Artis. 1997. "Women's Caregiving and Paid Work: Causal Relationships in Late Midlife." *Journal of Gerontology: Social Sciences* 52B:S170-S179.

Spitze, G. and J.R. Logan. 1991. "Employment and Filial Relations: Is There a Conflict?" *Sociological Forum* 6(4):681-97.

Moen, P., J. Robison and V. Fields. 1994. "Women's Work and Caregiving Roles: A Life Course Approach." *Journal of Gerontology: Social Sciences* 49:S176-S186.

Muurinen, J. 1986. "The Economics of Informal Care: Labor Market Effects in the National Hospice Study." *Medical Care* 24:1007-1017.

Robison, J., P. Moen and D. Dempster-McClain. 1995. "Women's Caregiving: Changing Profiles and Pathways." *Journal of Gerontology: Social Sciences* 50B:S362-S373.

Ruhm, C.J. 1996. "Gender Differences in Employment Behavior During Late Middle Age." *Journal of Gerontology: Social Sciences* 51B:S11-S17.

Wolf, D.A. and B.J. Soldo. 1994. "Married Women's Allocation of Time to Employment and Parental Care." *Journal of Human Resources* 29: 1259-1276.

Jessie Allen and Alan Pifer (eds.), *Women on the Front Lines: Meeting the Challenge of an Aging America*. Urban Institute Press, 1993.

Margaret Neal, Nancy Chapman, Berit Ingersoll-Dayton and Arthur Emlen, *Balancing Work and Caregiving for Children, Adults, and Elders*. Sage Publications, 1993.

***How should the "burden" of elder care be distributed?***

Alan Garber, "To Comfort Always: The Prospects of Expanded Social Responsibility for Long-Term Care." Pp. 143-171 in Victor R. Fuchs (ed.), *Individual and Social Responsibility*. University of Chicago Press, 1996.

D. Wolf, "Efficiency in the Allocation and Targeting of Long-Term Care Resources." Unpublished manuscript, 1997.

Edward Norton and Joseph Newhouse, "Policy Options for Public Long-Term Care Insurance." *Journal of the American Medical Association* 271 (1994):1520-1524.

Christine Bishop, "A Compulsory National Long-Term Care Insurance Program." Pp. 61-93 in James J. Callahan, Jr. and Stanley S. Wallack (eds.), *Reforming the Long-Term-Care System*. Lexington Books, 1981.

Wiener, Joshua M, Laurel Hixon Illston, and Raymond J. Hanley. (1994). *Sharing the Burden: Strategies For Public and Private Long-Term Care Insurance* Washington, D.C.: The Brookings Institution.

Paul Demeny, "Re-Linking Fertility Behavior and Economic Security in Old Age: A Pronatalist Reform." *Population and Development Review* 13(1987):128-337.

Peter Uhlenberg, "Replacing the Nursing Home." *The Public Interest* 128(1997): 73-84.

Daniel Callahan, "Must the Young and Old Struggle Over Health Care Resources?" *Journal of Long-Term Home Health Care* 15, No.4 (1996):4-14.

## **MIGRATION AND FAMILIAL PROXIMITY**

### ***Migration patterns; spatial distribution of the elderly and their families***

Charles Longino, "Geographical distribution and migration." In R. Binstock and L. George (eds.), *Handbook of Aging and the Social Sciences* (third edition). Academic Press 1990.

Charles Longino, *Retirement Migration in America*. Vacation Publications, 1995.

E. Crimmins and D. Ingegneri, "Interactions and living arrangements of older parents and their children." *Research on Aging* 12 (1990): 3-35.

E. Litwak and S. Kulis, "Technology, proximity, and measures of kin support." *Journal of Marriage and the Family* 49 (1987): 649-661.

Litwak, Eugene and Charles F. Longino. 1987. "Migration Patterns among the Elderly: A Developmental Perspective," *The Gerontologist*, 27: 266-272.

A. Speare and J. Meyer, "Types of elderly residential mobility and their determinants." *Journal of Gerontology: Social Sciences* 43 (1988): S74-S83.

Clark, Rebecca L. and Douglas A. Wolf (1992). "Proximity of Children and Elderly Migration." Pp. 77-96 in Andrei Rogers (ed.), *Elderly Migration and Population Redistribution*. London: Belhaven Press.

Rogerson, Peter A., Richard H. Weng and Ge Lin (1993). "The Spatial Separation of Parents and Their Adult Children." *Annals of the Association of American Geographers* 83:656-671.

M. Silverstein, "Stability and change in temporal distance between the elderly and their children." *Demography* 32 (1995):29-45.

### ***Local-area impacts; spatial concentration of the elderly***

E.S. Bryant and M. El-Attar (1984), "Migration and redistribution of the elderly: A challenge to community services." *The Gerontologist* 24:634-640.

C. Longino and J. Biggar, "The impact of population redistribution on service delivery." *The Gerontologist* 22 (1982): 142-159.

D. Mullins and M. Rosentraub (1992), "Fiscal pressure? The impact of elder recruitment on local expenditures." *Urban Affairs Quarterly* 28:337-354.

D. Monahan and V. Greene (1982), "The impact of seasonal population fluctuations on service delivery." *The Gerontologist* 22:160-163.

B. Simonsen (1994), "Aging population and city spending." *Journal of Urban Affairs* 16: 125-140.

J. Button, "A sign of generational conflict: The impact of Florida's aging voters on local school and tax referenda." *Social Science Quarterly* 73 (1992):786-797.

### **ETHICAL ISSUES IN AGING**

Harry R. Moody, "Bioethics and Aging." Pp. 396-425 in Thomas R. Cole, David D. Van Tassel and Robert Kastenbaum (eds.), *Handbook of the Humanities and Aging*. New York: Springer Publishing Company, 1992.

David Asch, "The Role of Critical Care Nurses in Euthanasia and Assisted Suicide." *New England Journal of Medicine* 334 (1996):1374-1379.

M. Danis et al., "A Prospective Study of Advance Directives for Life-Sustaining Care." *New England Journal of Medicine* 324(1991): 882-888.

Kathy Hudson et al., "Genetic discrimination and health insurance: An urgent need for reform." *Science* 270 (October 1995):391-393.

Alexander Capron (1984), "Human genetic engineering." *Technology in Society* 6:23-35.

Doris Zallen (1989), "Regulating research: A tale of two technologies." *Technology in Society* 11:377-386.

Dorothy Wertz (1992), "Ethical and legal implications of the new genetics: Issues for discussion." *Social Science and Medicine* 35:495-502.

Stephen Post (1994), "Genetics, ethics, and Alzheimer's disease." *Journal of the American Geriatrics Society* 42:782-786.

## **THE POLITICS OF AGE AND GENERATIONAL "WARFARE"; IS THERE AND "OLD AGE CRISIS"?**

S. Preston, "Children and the elderly: Divergent paths for America's dependents." *Demography* 21 (1984):435-457.

Marilyn Moon, "The Medicare Catastrophic Coverage Act." Chapter 5 in *Medicare Now and in the Future*. Urban Institute Press, 1993.

H. Hecl, "Generational Politics." In J. Palmer, T. Smeeding and B. Torrey (eds.), *The Vulnerable*. Urban Institute Press, 1988.

E. Wynne, "Will the young support the old?" In A. Pifer and L. Bronte (eds.), *Our Aging Society: Paradox and Promise*. Norton, 1986.

Peter Peterson, "Will America Grow Up Before it Grows Old?" *The Atlantic Monthly*, May 1996.

Lans Bovenberg and Anja van der Linden, "Can we afford to grow old? Adjusting pension policies to a more aged society." Chapter 6 in *Family, Market and Community: Equity and Efficiency in Social Policy*. OECD Social Policy Studies No. 21, 1997.

John B. Williamson, "A Critique of the Case for Privatizing Social Security." *The Gerontologist* 37 (1997):561-571.

Employment Policy Foundation, "Social Security: Crisis or No Big Deal?" *fact & fallacy: Contemporary Issues in Employment and Workplace Policy*, Volume III, No. 12, December 1997. Washington, D.C.

Theodore Marmor and Jonathan Oberlander, "Rethinking Medicare reform," and Henry Aaron and Robert Reischauer, "Rethinking Medicare Reform' needs rethinking." *Health Affairs* 17 (1998):52-71.