

CURRICULUM VITAE

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Education:

A.B. History, University of Michigan, 1976.
Ph.D. Economics, Stanford University, 1983.

Honors, Awards, and Fellowships:

1972-76 National Merit Scholar, Honors College, University of Michigan.
1976 Phi Beta Kappa, A.B. with High Distinction and Highest Honors.
1976 Michigan History Department Prize for Best Honors Thesis.
1984 Cole Prize for best paper in Journal of Economic History (83/84).
1987-88 National Fellow, Hoover Institution.
1987-91 Alfred P. Sloan Research Fellowship.
1995 Cole Prize for best paper in Journal of Economic History (94/95).
1996-2001 NIA K01 Research Career Award

Teaching and Research Experience and Employment:

1983-87 Assistant Professor of Economics, Yale University.
1984 Visiting Asst Professor of Economics and Demography, UC Berkeley.
1987-92 Associate Professor of Economics, Yale University.
1992-93 Directeur de Recherche, INRA (Paris).
1993-95 Research Fellow, Population Research Center, NORC and U Chicago.
1994-99 Visiting Associate Professor, Department of Economics, University of Chicago
1995-99 Research Associate, Harris School of Public Policy, University of Chicago
12/99- Research Professor, Survey Research Center, University of Michigan,
12/99-05 Associate Director, Health and Retirement Study
8/02- Research Affiliate, Population Studies Center, University of Michigan
2005-07, Co-Director, Health and Retirement Study
2007- Director, Health and Retirement Study

Professional Affiliations:

Member: International Union for the Scientific Study of Population, Population Association of America, Committee on Population (National Research Council)

I. PAPERS AND PUBLICATIONS

- Domingue BW, Belsky DW, Harrati A, Dalton C. Conley, **Weir DR**, Boardman JD. "Mortality selection in a genetic sample and implications for association studies." International Journal of Epidemiology. Forthcoming. doi:10.1093/ije/dyx041.
<http://www.ncbi.nlm.nih.gov/pubmed/28402496>
- Levine, Morgan E., Eileen M. Crimmins, David R. Weir and Steve W. Cole "Contemporaneous Social Environment and the Architecture of Late-Life Gene Expression Profiles" American Journal of Epidemiology Forthcoming.
- Jadhav A, **Weir DR**. "Widowhood and Depression in a Cross-National Perspective: Evidence from the United States, Europe, Korea, and China." Journals of Gerontology, Series B. Psychological Sciences and Social Sciences. Forthcoming. doi:10.1093/geronb/gbx021
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- Puterman, Eli, Alison Gemmill, Deborah Karasek, **David Weir**, Nancy E. Adler, Aric A. Prather, and Elissa S. Epel. "Lifespan adversity and later adulthood telomere length in the nationally representative US Health and Retirement Study." Proceedings of the National Academy of Sciences 113, no. 42 (2016): E6335-E6342
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- Matteini, A. M., Tanaka, T., Karasik, D., [...] **Weir, D. R.**, [...] Walston, J. D., Kiel, D. P. and Murabito, J. M., "GWAS analysis of handgrip and lower body strength in older adults in the CHARGE consortium." Aging Cell, 2016: 15: 792–800. doi:10.1111/accel.12468
- Liu, Chunyu, Aldi T. Kraja, Jennifer A. Smith, [...] **David R. Weir**, [...].Christopher Newton-Cheh, Daniel Levy & Daniel I Chasman, "Meta-analysis identifies common and rare variants influencing blood pressure and overlapping with metabolic trait loci." Nature Genetics 48, no. 10 (2016): 1162-1170
- Okbay A, Beauchamp JP, Fontana MA, [...] **Weir DR**, [...] Koellinger PD, Cesarini D, Benjamin DJ. "Genome-wide association study identifies 74 loci associated with educational attainment" Nature. 2016 May 11;533(7604):539-42.

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- Davies G, Armstrong N, Bis JC, Bressler J,[...] **Weir, DR**, [...] Seshadri S, Mosley TH, Deary IJ. "Genetic contributions to variation in general cognitive function: a meta-analysis of genome-wide association studies in the CHARGE Consortium (N = 53 949)". Molecular Psychiatry. (2015 Feb; 20(2):183-92. doi: 10.1038/mp.2014.188. Epub 2015 Feb 3.)
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- Morgan E. Levine, Stephen W. Cole, **David R. Weir**, and Eileen M. Crimmins, "Childhood and Later Life Stressors and Increased Inflammatory Gene Expression at Older Ages," Social Science & Medicine 130:16-22 (April, 2015) DOI: 10.1016/j.socscimed.2015.01.030
- Nathan A. Bihlmeyer, Jennifer A. Brody,[...] **David R. Weir**, [...] Dan E. Arking, "Genetic diversity is a predictor of mortality in humans." BMC genetics 15(1):1274 (2014) DOI: 10.1186/s12863-014-0159-7
- Linda Broer, Aron S. Buchman, Joris Deelen,[...] **David R. Weir**, Anne B. Newman, Cornelia M. van uijn, and Joanne M. Murabito, "GWAS of Longevity in CHARGE Consortium Confirms APOE and FOXO3 Candidacy," The Journals of Gerontology Series A Biological Sciences and Medical Sciences 70(1):110-118 (2015) , first published online Sept. 8, 2014. DOI: 10.1093/gerona/glu166
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- cognition: A comparison of China and India, and of SAGE and the HRS sister studies” Journal of the Economics of Ageing 2014:114-125 doi: 10.1016/j.jeoa.2014.08.002
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- Deborah E Barnes, Ph.D., M.P.H.; Alexa S Beiser, PhD; Anne Lee, BA; Kenneth M Langa, MD, PhD; Alain Koyama, MS; Sarah R Preis, ScD, MPH; John Neuhaus, PhD; Ryan J McCammon, AB; Kristine Yaffe, MD; Sudha Seshadri, MD; Mary N Haan, DrPH, MPH; **David R Weir**, PhD, “Development and validation of a brief dementia screening indicator for primary care,” Alzheimer’s & Dementia 10(6):656-665.e1 (Nov. 2014)
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- Brookmeyer, Kurt R. Brunden, Kathleen C. Buckwalter, Meryl Comer, Kenneth Covinsky, Lynn Friss Feinberg, Giovanni Frisoni, Colin Green, Renato Maia Guimaraes, Lisa P. Gwyther, Franz F. Hefti, Michael Hutton, Claudia Kawas, David M. Kent, Lewis Kuller, Kenneth M. Langa, Robert W. Mahley, Katie Maslow, Colin L. Masters, Diane E. Meier, Peter J. Neumann, Steven M. Paul, Ronald C. Petersen, Mark A. Sager, Mary Sano, Dale Schenk, Holly Soares, Reisa A. Sperling, Sidney M. Stahl, Vivianna van Deerlin, Yaakov Stern, **David Weir**, David A. Wolk, John Q. Trojanowski, "Advancing Alzheimer's disease diagnosis, treatment, and care: Recommendations from the Ware Invitational Summit," *Alzheimer's and Dementia* 8:445-452 (2012)
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- Robert M. Hauser and **David R. Weir**, "Longitudinal Studies of Aging in the United States," *EurAmerica* 41(1):87-179, March 2011
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- Mary Beth Ofstedal and **David R. Weir**, "Recruitment and Retention of Minority Participants in the Health and Retirement Study," *The Gerontologist*. 51(S1):S8-S20 (2011)
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measures mediate the relationship between education and health: A comparative study," Social Science and Medicine, 72(2):307-315, January, 2011

David R. Weir, Robert B. Wallace, Kenneth M. Langa, Brenda L. Plassman, Robert S. Wilson, David A. Bennett, Ranjan Duara, David Loewenstein, Mary Ganguli, Mary Sano, "Reducing case ascertainment costs in US population studies of Alzheimer's disease, dementia, and cognitive impairment—Part 1" Alzheimer's & Dementia 7 (2011) 94–109

Robert S. Wilson, **David R. Weir**, Sue E. Leurgans, Denis A. Evans, Liesi E. Hebert, Kenneth M. Langa, Brenda L. Plassman, "Sources of variability in estimates of the prevalence of Alzheimer's disease in the United States" Alzheimer's & Dementia 7 (2011) 74–79

Angela Lee Duckworth and **David R. Weir**, "Personality, Lifetime Earnings, and Retirement Wealth," Michigan Retirement Research Center Working Paper #2010-235, October, 2010

Robert M. Hauser and **David R. Weir**, "Recent Developments in Longitudinal Studies of Aging," Demography 47 (Supplement):S111-S130 (2010).

Helen Levy and **David Weir**, "Take-Up of Medicare Part D: Early Results from the Health and Retirement Study" Journals of Gerontology Series B: Psychological Sciences and Social Sciences, 65(4): July, 2010

Caroline Blaum, Christine Cigolle, Cynthia Boyd, Jennifer Wolff, Zhiyi Tian, Kenneth Langa, **David Weir**, "Clinical Complexity in Middle-Aged and Older Adults With Diabetes: The Health and Retirement Study," Medical Care: 48(4):327-334 (April, 2010).

David R. Weir, "Socio-Economic Status and Mortality: Perceptions and Outcomes," Population Association of America Annual Meeting, April, 2010.

Kenneth M Langa, David J Llewellyn, Iain A Lang, **David R Weir**, Robert B Wallace, Mohammed U Kabeto, Felicia A Huppert, "Cognitive Health among Older Adults in the United States and in England," BMC Geriatrics 9:23, (June, 2009).

Donald Taylor, Truls Ostbye, Kenneth Langa, **David Weir**, Brenda Plassman, "The Accuracy Of Medicare Claims As An Epidemiological Tool: The Case Of Dementia Revisited," Journal of Alzheimer's Disease 17(4):807-815 (August 2009)..

Brenda Plassman, Kenneth Langa, Gwenith Fisher, Steven Heeringa, **David Weir**, Mary Beth Ofstedal, James Burke, Michael Hurd, George Potter, Willard Rodgers, David Steffens, John J. McArdle, Robert Willis, and Robert Wallace, "Prevalence Of Cognitive Impairment Without Dementia In The United States," Annals of Internal Medicine 148(6): 427-434, (March, 2008)

David R. Weir, "Elastic Powers: The Integration of Biomarkers into the Health and Retirement Study," in M. Weinstein, J. W. Vaupel and K Wachter (Eds.), Bio-social surveys: Current insight and future promise National Research Council: Washington, DC. The National Academies Press, pp. 78-95, 2008.

Michele Heisler, Jessica Faul, Rodney Hayward, Kenneth Langa, Caroline Blaum, **David Weir**, "Mechanisms for Racial and Ethnic Disparities in Glycemic Control among Middle-Aged and Older Americans in the HRS" Archives of Internal Medicine 167(17): 1853-1860 (Sept., 2007)

- Eve A. Kerr, Michele Heisler, Sarah L. Krein, Mohammed Kabeto, Kenneth M. Langa, **David R. Weir**, and John D. Piette, "Beyond Comorbidity Counts: How Do Comorbidity Type and Severity Influence Diabetes Patients' Treatment Priorities and Self-Management," Journal of General Internal Medicine 22(12): 1635-40, Dec. 2007.
- Michele Heisler, Ian Cole, **David Weir**, Eve Kerr, Rodney Hayward, "How Does Provider Communication Influence Older Patients' Diabetes Self-Management and Glycemic Control? Results from the Health and Retirement Study (HRS) ," Journals of Gerontology: Medical Sciences 62(12): 1435-1442, Dec. 2007.
- Brenda Plassman, Kenneth Langa, Gwenith Fisher, Steven Heeringa, **David Weir**, Mary Beth Ofstedal, James Burke, Michael Hurd, George Potter, Willard Rodgers, David Steffens, Robert Willis, and Robert Wallace, "The Prevalence of Dementia in the United States: The Aging, Demographics, and Memory Study." Neuroepidemiology 29:125-232, 2007
- David R. Weir**, "Are Baby Boomers Living Well Longer," in Brigitte Madrian, Olivia Mitchell, and Beth Soldo, eds., Redefining Retirement: How will Boomers Fare? (Oxford University Press, 2007), pp. 95-111.
- David R. Weir** and James P. Smith, "Do Panel Surveys Really Make People Sick?:" Social Science and Medicine 65(6): 1071-77 (September, 2007).
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- David R. Weir**, "Modes, Trends, and Content: A Comparison of the 2003 HRS Internet Survey with HRS 2002 and 2004 Core Survey Responses for Evaluative, Subjective, and Objective Content." August, 2004
- Thomas A. Mroz and **David R. Weir**, "Stochastic Dynamic Optimization Models with Random Effects in Parameters: an Application to Age at Marriage and Life Cycle Fertility Control in Old Regime France," in Timothy Guinnane, William Sundstrom, and Warren Whatley eds., History Matters, (Stanford, CA: Stanford University Press, 2004), pp. 483-510
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David R. Weir, Robert J. Willis, and Willard L. Rodgers, "Cognitive Abilities and the Quality of Response to Economic Surveys" Ninth TMR Conference on Savings and Pensions.

David R. Weir and David O. Meltzer, "Mortality Decline, the Baby Boom, and Social Security's Retirement Rules" May, 2000.

Kenneth Langa, Langa, Sandeep Vijan Rodney Hayward, Michael Chernew, Caroline Blaum, Mohammed Kabeto, **David Weir**, Steven Katz, Robert Willis, Mark Fendrick, "Informal Caregiving for Diabetes and Diabetic Complications Among Elderly Americans," Journals of Gerontology: Social Sciences 57B(3):S177-S186, 2002

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David R. Weir, "Economic Welfare and Physical Well-Being in France, 1750-1990," in Roderick Floud and Richard Steckel, eds., Health and Welfare During Industrialization (NBER and Chicago, 1997).

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David R. Weir, "Estimating the Proportions Controlling Fertility in Rural France after the Revolution," in A. Blum, et.al., eds., Modèles de la démographie historique (INED, 1992).

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Thomas A. Mroz and **David R. Weir**, "Structural Change in Life Cycle Fertility During the Fertility Transition: France Before and After the Revolution of 1789," Population Studies March, 1990.

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Research Grants

Ongoing Research Support as PI

NIA U01 AG009740-23 (PI) 1/1/12-12/31/17

Health and Retirement Study

This project is for three additional waves of data collection on an established panel designed to study development throughout the second half of life. Special emphasis is given to the measurement of economic and health status variables.

NIA U01 AG009740-26S1 (Weir) 8/1/15-12/31/17 (\$17.9million)

Health and Retirement Study New Cohort Revision. This project uses innovative sampling methods to list, screen, and recruit a new cohort of 5,200 late baby boomers (b 1960-65) to the HRS.

NIA U01 AG009740-26S2 (Weir)9/1/15-12/31/17 (\$16.1million)

Health and Retirement Study Venous Blood Revision. This project will collect samples of whole blood from panel participants in the HRS for repository storage and immediate assays from which data will be made available to the research community.

NIA U01 AG009740-26S3 (Weir) 9/1/15-12/31/17 (\$7.7million)

Health and Retirement Study Population Study of Dementia Revision. This project will conduct an extensive cognitive assessment of 3,000 HRS participants over age 65, harmonized to similar longitudinal aging studies around the world.

Recent Completed Research Support

NIA RC4 AG039029-01 (PI) 9/30/10-8/31/13

Expanding a National Resource for Genetic Research in Behavioral & Health Science

This ARRA project will expand the genetic database on HRS respondents to include new participants providing samples in 2010 and 2012. It will also conduct illustrative GWAS analyses on cardiovascular and cognition outcomes.

NIA R01 AG020717-06 (Kapteyn, RAND) 7/1/08-4/30/13

Internet Interviewing and the HRS

The UM will perform two major tasks under this subcontract. It will manage and conduct all internet interviews with HRS respondents, and it will provide design leadership on the internet approaches to the

measurement of preference parameters, for both the ALP and HRS surveys.

National Football League (Weir, PI) 8/1/08-3/31/09

Retired NFL Players Survey

This project examined the characteristics and needs of former NFL players who are vested for retirement, covered by disability insurance or are actively participating in the NFL's retirement pension system.

NIA K01AG00703 2/1/96 - 1/31/01

Research Training in Economic Aspects of Chronic Disease

Special Emphasis Research Career Award in the Economics and Demography of Aging.