

Wilbur C. Hadden, Ph.D.

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Education

1998 University of Maryland, College Park, Maryland. Ph.D. in Sociology
1971 Cornell University, Ithaca, New York. M.A. in Sociology
1968 Brown University, Providence, Rhode Island. B.A. in Sociology

Employment

University of Maryland Center for Innovation

2009 - present Research scientist

Nanjing University of Science and Technology, School of Humanities and Social Science, Nanjing, China

2008 - 2009 Foreign expert

Aga Khan University, Department of Community Health Sciences, Karachi, Pakistan

2008 Visiting faculty

US National Institutes of Health, National Institute on Aging

2006 - 2008 Science Review Administrator, Office of Extramural Affairs

US Centers for Disease Control and Prevention, National Center for Health Statistics

2000 – 2006 Statistician, Office of Research Methodology, Research Data Center

1996 – 2000 Statistician, Office of Data Standards, Program Development, and Extramural Programs

1990 – 1996 Assistant to director, Division of Health Examination Statistics

1986 – 1990 Chief, Systems and Programming Branch, Division of Health Examination Statistics

1976 – 1986 Statistician, Medical Statistics Branch, Division of Health Examination Statistics

Corning Community College

1976 Lecturer

Alfred University

1975 Lecturer

Honors and Awards

2000	Director's "Tapped for Excellence" award
1996	Director's "Tapped for Excellence" award
1990	Director's Award in Data Processing and Statistical Computing
1980	Citation for sustained superior performance
1981	Cash award for making computer resources more accessible
1980	Citation for sustained superior performance
1979	Cash award for increasing the efficiency of table preparation
1968 – 1975	National Defense Education Act, Foreign Language Fellowship

Research Interests

Social class, especially health disparities
Community structure and character and health
Organization of health care systems
Population health and health measurement

Teaching Interests

Social epidemiology
Data management and analysis
Social stratification
Statistics

Peer-Reviewed Publications

2019	J J Valadez, B Devkota, C Jeffery, and WC Hadden. "How Well Do Mothers Recall Their Own and Their Infants' Perinatal Events? A Two-District Study Using Cross-Sectional Stratified Random Sampling in Bihar, India." <i>BMJ Open</i> , (9), e031289. doi: 10.1136/bmjopen-2019-031289.
2016	C Jeffery, CA Beckworth, WC Hadden, J Ouma, S Lwanga, JJ Valadez. Associations with HIV testing in Uganda: an analysis of the Lot Quality Assurance Sampling database 2003-2012. <i>AIDS Care</i> , 28(4), 519-523
2015	J Mote, G Jordan, J Hage, WC Hadden, A Clark. Too big to innovate? Exploring organizational size and innovation processes in scientific research. <i>Science and Public Policy</i> , 43(3), 332-7
2015	N Crossland, WC Hadden, WE Vargas, J J Valadez, C Jeffery. Sexual and reproductive health among Ugandan youth: 2003-04 to 2012. <i>J Adolescent Health</i> . 57(4), 393-398
2011	S Mahmud, G Pappas, WC Hadden. Prevalence of head lice and hygiene practices among women over twelve years of age in Sindh, Balochistan, and North West Frontier Province: National Health Survey of Pakistan, 1990-1994. <i>Parasites & Vectors</i> 4(11)

- 2009 Li Wei, J-Y Yang, and WC Hadden. "Analyze complex networks from the data analysis viewpoint." *European Physics Letters* 88:68007
- 2009 R Nuruddin, WC Hadden, MR Petersen, MK Lim. Does child gender determine household decision for health care in rural Thatta, Pakistan? *Journal of Public Health* 31(3):389-97
- 2009 R Nuruddin, MK Lim, WC Hadden, I Azam. Comparison of estimates of under-nutrition for pre-school rural Pakistani children based on the WHO standard and the National Center for Health Statistics (NCHS) reference. *Public Health Nutrition* 12(5):716-22
- 2008 WC Hadden, PD Rockswold. Increasing differential mortality by educational attainment in adults in the United States. *International Journal of Health Services* 38(1):47-61
- 2007 R Nuruddin, MK Lim, WC Hadden, I Azam. Maternal Chronic Ill Health Negatively Affects Child Survival in a Poor Rural Population of Pakistan. *World Health & Population* 9(3):27-35
- 2007 Z Fatmi, WC Hadden, J Razzak, H Qureshi, A Hyder G Pappas. Incidence, patterns and severity of reported unintentional injuries in Pakistan for persons five years and older: results of the National Health Survey of Pakistan 1990-94. *BMC Public Health*. 7(1):152
- 2007 N Kravets, WC Hadden. The accuracy of address coding and the effect of coding errors. *Health & Place* 13(1):293-298
- 2007 WC Hadden, Carles Muntaner, Joan Benach, David Gimeno, and Fernando Benavides. A glossary for the social epidemiology of work organization. Part 3: terms from labour markets. *Journal of Epidemiology and Community Health* 61(1):6-8
- 2006 C Muntaner, J Benach, WC Hadden, D Gimeno, and F Benavides. A glossary for the social epidemiology of work organization. Part 2: terms from the sociology of work and organizations. *Journal of Epidemiology and Community Health* 60(12):1010-1012
- 2006 C Muntaner, J Benach, WC Hadden, D Gimeno, and F Benavides. A glossary for the social epidemiology of work organization. Part 1: social psychology. *Journal of Epidemiology and Community Health* 60(11):914-916
- 2004 C Muntaner, WC Hadden, N Kravets. Economic sector social class, race/ethnicity and all-cause mortality in the US: longitudinal results from the 1986-1994 National Health Interview Survey. *European Journal of Epidemiology* 19(8):777-784.
- 2004 WC Hadden, N Kravets, C Muntaner. Descriptive dimensions of US occupation with data from the O*NET. *Social Science Research* 33(1):64-78.
- 2003 WC Hadden, Pappas G and Khan AQ. Social stratification, development and health in Pakistan: an empirical exploration of relationships in population-based national health examination survey data. *Soc Sci Med* 57(10):1863-74.
- 2003 RS Chapman, WC Hadden, S Perlin. Influences of asthma and household environment on lung function of children and adolescents: the Third National

- Health and Nutrition Examination Survey (NHANES III) *American Journal of Epidemiology* 158(2):175-189.
- 2002 AH Auchincloss and WC Hadden. The health effects of rural-urban residence and concentrated poverty. *Rural Health* 18(2):319-36.
- 2001 C Cubbin, WC Hadden, MA Winkleby. Neighborhood context and cardiovascular disease risk factors: the contribution of material deprivation. *Ethnicity & Disease* 11(4):687-700.
- 2001 M-J Soobader, FB LeClere, WC Hadden, B Maury. Using aggregate geographic data to proxy individual socioeconomic status: does size matter? *American Journal of Public Health* 91(4):632-5.
- 2001 G Pappas, T Akhtar, PJ Gergen, WC Hadden and AQ Khan. Health status of the Pakistani population: a health profile and comparison to the United States. *American Journal of Public Health* 91;1(January):93-8
- 2000 WE Bacon, WC Hadden. Occurrence of hip fractures and socioeconomic position. *Journal of Aging and Health*. 12;2:193-203.
- 2000 LM Schalick, WC Hadden, E Pamuk, V Navarro, G Pappas. The widening gap in death rates among income groups in the United States: 1967, 1986. *International Journal of Health Services*. 30;1:13-26.
- 1997 G Pappas, WC Hadden, LJ Kozak, GF Fisher. Potentially avoidable hospitalizations: inequalities in rates between US socioeconomic groups. *American Journal of Public Health* 87;5(May):811-16.
- 1993 G Pappas, S Queen, WC Hadden, and G Fisher. The Increasing Disparity in Mortality Between Socioeconomic Groups in the United States, 1960 and 1986. *New England Journal of Medicine*, 329(July 8):103-109.
- 1990 PM Rautaharju, CS Cox, JH Madans, AZ LaCroix, DD Savage, HP Calhoun, HK Wolf, WC Hadden. Heart size estimates indexed optimally to body and chest size. II. Prognostic value for cardiovascular disease mortality. *American Journal of Noninvasive Cardiology*, 4(3):187-192.
- 1990 PM Rautaharju, AZ LaCrowx, DD Savage, CS Cox, JH Madans, JW Warren, HK Wolf, WC Hadden. Heart size estimates indexed optimally to body and chest size. I. Population standards; the effect of age and hypertensive status. *American Journal of Noninvasive Cardiology*, 4(2):104-114.
- 1988 PM Rautaharju, AZ LaCroix, DD Savage, SG Haynes, JH Madans, HK Wolf, WC Hadden, J Keller, J Cornoni-Huntley. Electrocardiographic estimate of left ventricular mass versus radiographic cardiac size and the risk of cardiovascular disease mortality in the epidemiologic follow-up study of the First National Health and Nutrition Examination Survey. *American Journal of Cardiology*, 62:59-66. July
- 1987 DD Savage, PM Rautaharju, JJ Bailey, MR Horton, WC Hadden, AZ LaCroix, SG Haynes, HK Wolf, JR Prineas. The emerging prominence of computer electrocardiography in large population-based surveys. *J. Electrocardiology (Supp Oct):48-52.*

- 1987 MG Kovar, MI Harris and WC Hadden. Scope of diabetes in the United States population. *American Journal of Public Health*, 77(12):1549-1550. Dec
- 1987 MI Harris, WC Hadden, WC Knowler and PH Bennett. Prevalence of diabetes and impaired glucose tolerance and plasma glucose levels in U.S. population aged 20-74 years. *Diabetes*, 36(4):523-534. April
- 1985 MI Harris, WC Hadden, WC Knowler, and PH Bennett. International Criteria for the diagnosis of diabetes and impaired glucose tolerance. *Diabetes Care*, 6(6):562-567. Nov-Dec

Other Publications

- 1998 WC Hadden. State variation in health care systems and mortality. Ph.D. dissertation submitted to the Department of Sociology, University of Maryland, College Park, August
- 1998 WC Hadden (contributing author and editor). *Health Profile of the People of Pakistan*. Islamabad: Pakistan Medical Research Council. June
- 1996 WC Hadden. Annotation: the use of educational attainment as an indicator of socioeconomic status. *American Journal of Public Health*. 86;11(November):1525-6.
- 1992 National Center for Health Statistics: WC Hadden (editor). *Measurement and Interpretation of Electrocardiograms: Ages 20-74. Hispanic Health and Nutrition Examination Survey, 1982-1984. Public Use Data Tape Documentation*, Tape no. 6540. Hyattsville, Maryland. December
- 1991 National Center for Health Statistics: WC Hadden (editor). *Health Care Needs, General Medical History Supplement, and Respiratory and Cardiovascular Supplements, Ages 25-74. National Health and Nutrition Examination Survey, 1971-75 Public Use Data Tape Documentation*, Tape no. 4091. Hyattsville, Maryland. June
- 1987 National Center for Health Statistics: WC Hadden and MI Harris. Prevalence of diagnosed diabetes, undiagnosed diabetes, and impaired glucose tolerance in adults ages 20--74 years, United States 1976--1980. *Vital and Health Statistics, Series 11, No. 237. DHHS Pub. No. (PHS) 87-1687. Public Health Service, Washington, D.C.* Feb
- 1986 National Center for Health Statistics: WC Hadden (editor). *Computer Measurements and Interpretations of Electrocardiograms: Ages 25-74. National Health and Nutrition Examination Survey, 1971-75 Public Use Data Tape Documentation*, Tape no. 4140. Hyattsville, Maryland. October
- 1985 National Center for Health Statistics: WC Hadden (editor). *Dermatology, Ages 1-74. National Health and Nutrition Examination Survey, 1971-75 Public Use Data Tape Documentation*, Tape no. 4151. Hyattsville, Maryland. June
- 1981 National Center for Health Statistics: WC Hadden. Basic data on health care needs of adults ages 25--74 years, United States 1971--1975. *Vital and Health Statistics, Series 11, No. 218. DHHS Pub. No. (PHS) 81-1668. Public Health Service, Washington, D.C.* Dec.

- 1981 National Center for Health Statistics: WC Hadden (editor). Medical History Questionnaire Ages 12-74. National Health and Nutrition Examination Survey, 1971-75 Public Use Data Tape Documentation, Tape no. 4081. Hyattsville, Maryland. May
- 1981 National Center for Health Statistics: WC Hadden (editor). Medical Examination Ages 1-74. National Health and Nutrition Examination Survey, 1971-75 Public Use Data Tape Documentation, Tape no. 4233. Hyattsville, Maryland. May

Posters

- 2001 WC Hadden, A Auchincloss. Health effects of racial and economic segregation. Population Association of America annual meeting. Washington DC, March 29-31
- 2001 A Auchincloss, WC Hadden. Health effects of rural-urban residence and concentrated poverty. Population Association of America annual meeting. Washington DC, March 29-31
- 1999 C Cubbin, WC Hadden. Individual SES, neighborhood deprivation and their effects on risk factors for CVD [cardiovascular disease]. Society for Epidemiologic Research annual meeting, Baltimore. June 10-12

Professional Presentations

- 2010 WC Hadden. Assessing the Melanoma Research Program 2006 - 2008. American Evaluation Association annual meeting, San Antonio, Nov 10-13, 2010
- 2005 WC Hadden. Occupational characteristics and mortality. Society for the Advancement of Socioeconomics annual meeting, Budapest, June 30-July 2
- 2004 N Kravets, WC Hadden. The accuracy of address coding and the effect of coding errors. GIS Open House 2004. Atlanta, GA, May 5-6
- 2003 WC Hadden, J Hage. Lessons not learned: Organizational population responses to globalization and post-industrialization: the case of the U.S. footwear industry. Society for the Advancement of Socioeconomics annual meeting, Aix-en-Provence, June 26-28
- 2002 SH Cohen, WC Hadden. Issues and impediments to expanding access to confidential statistical agency data: restricted data and restricted access. Federal Committee on Statistical Methodology Statistical Policy Seminar, Washington, DC, November 6-7
- 2002 WC Hadden, C Muntaner, N Kravets. Descriptive Dimensions of Occupation: a factor analysis of the O*NET. Society for the Advancement of Socioeconomics annual meeting, Minneapolis, June 27-June 30
- 2001 WC Hadden. It's not just income: adequately supporting the public health. Association for Public Policy Analysis and Management Annual Research Conference, Washington. November 1-3

- 2001 WC Hadden. Sampling and statistical issues for health examination surveys in less developed countries. American Public Health Association Annual Meeting, Atlanta, GA. October 21-25
- 2001 J Hage, WC Hadden. Organization evolutions: the patterns of births and deaths of multi-unit firms before and after globalization. Society for the Advancement of Socioeconomics annual meeting, Amsterdam, June 28-July 1
- 2000 WC Hadden. Individuals in context: area characteristics and surveys. National Center for Health Statistics' National Conference on Health Statistics. Bethesda, MD. July 26-28
- 2000 A Auchincloss, WC Hadden. Poverty and Place: the effects of unequal social and economic development on health. Eastern Sociological Society annual meeting, Baltimore, March 1-4
- 1999 WC Hadden, BB Maury. The limits of health surveys for contextual or multi-level analysis. Proceedings of the Federal Committee on Statistical Methodology Research Conference. November 15-17
- 1997 WC Hadden. Dental health. Conference on National Health Survey of Pakistan, Golden Jubilee of Pakistan. Islamabad, September 26
- 1997 WC Hadden. Institutional determinants of health care system resources and characteristics. Society for the Advancement of Socio-Economics Annual Meeting, July 5-7
- 1997 WC Hadden. The production of official statistics: a case study of social class and health. Eastern Sociological Society Annual Meeting. April 11
- 1996 WC Hadden, LJ Kozak, G Pappas. Using ZIP Codes to measure social class differences in avoidable hospitalizations. American Public Health Association Annual Meeting, November 17-21
- 1996 WC Hadden. Health Inequalities in the United States: levels and trends in processes and outcomes. Society for the Advancement of Socio-Economics Annual Meeting, July 12-14
- 1994 WC Hadden and J Horm. Measures of social status and mortality. American Public Health Association Annual Meeting, October
- 1994 WC Hadden and G Pappas. Mechanisms through which social class effects health. Eastern Sociological Association, March
- 1993 LJ Kozak, G Pappas, WC Hadden and G Fisher. Measuring Social Differences in Preventable Hospitalization Rates. American Public Health Association Annual Meeting, November
- 1991 WC Hadden. Family and Economic Status and the Well-being of Hispanic Americans. American Public Health Association Annual Meeting, November 10-14
- 1985 WC Hadden and MI Harris. Prevalence of diabetes and impaired glucose tolerance. Society for Epidemiologic Research, June

Professional Experience

Research Experience

- 2004 Consultant to the DC State Center for Health Statistics Administration. Calculated weights and gave guidance on making statistical estimates from a survey of Hispanics
- 2002 - 2004 Project leader, Coding the National Health Interview Survey samples for 1995-2003 to Census 1990 and 2000 geography (to make possible data linkage, contextual analysis, and the estimation of small-area statistics)
- 2001 – 2005 Lead investigator for NCHS on NCHS – EPA interagency agreement to study air quality and respiratory health
- 2001 - 2005 Project leader, Coding the National Health Interview Survey samples for 1985-1994 to Census 1990 geography
- 1997 - 1999 Project leader, Coding First and Third National Health and Nutrition Examination Surveys to Census geography
- 1992 - 1999 Consulted on content, statistical design, and analysis for the Health Examination Survey of Pakistan and a follow-up survey; calculated sample weights and trained staff in analytic methods
- 1991 - 1998 Member of NCHS Poverty and Health Work Group
- 1985 - 1988 Member of the design team for the Third National Health and Nutrition Examination Survey
- 1982 – 1987 Lead investigator for NCHS on NCHS-NIDDK NHANES 3 diabetes project
- 1979 – 1994 Project officer for contracts to measure and interpret electrocardiograms for NHANES 1, 2, 3 and Hispanic HANES.

Teaching Experience

- 2008 - 2009 Stratification of American Society, Sociology of Public Health, Survey Methods, Oral English. Nanjing University of Science and Technology
- 2008 Analysis of variance, regression, and non-parametric statistics. Aga Khan University
- 2003 – 2004 Provided research practicum for MPH student from Uniformed Services University of Health Sciences. National Center for Health Statistics
- 1998 - 2001 Mentored Associated Schools of Public Health Fellows
- 1976 Introductory sociology. Corning Community College
- 1975 Deviance. Alfred University
- 1971 - 1972 Teaching assistant. Cornell University, Department of Sociology

Professional Service

- 2006 - 2008 Recruited reviewers, organized review meetings, and prepared summary statements for program project grant applications in sociology, economics, and statistics and for contracts and cooperative agreements. National Institute of Aging, NIH

- 2004 - 2005 Served on the team writing the performance work statement for the competitive sourcing study for statistical support services. Centers for Disease Control
- 2003 Served on the Information Management and Quarantine and Migration Teams during SARS Emergency Response. Centers for Disease Control
- 2002 - 2005 Served on Disclosure Review Board, which approves publication of all data. National Center for Health Statistics
- 1985 - 1990 Led the development of an innovative, complex, and technically advanced data collection system for the Third National Health and Nutrition Examination Survey in all phases from concept definition through hardware procurement, system design, programming, and implementation. National Center for Health Statistics
- 1979 - 1984 Led Division of Health Examination Statistics to a position of leadership in information resource management. National Center for Health Statistics
- 1978 - 1982 Member of office automation and computer system advisory committees; led committees in designing new systems. National Center for Health Statistics

Professional Affiliations

- 1991 – present American Public Health Association
- 1976 – present American Sociological Association
- 1983 – present American Statistical Association
- 2001 – present Population Association of America
- 1979 – present DC Sociological Society
- 1983 – 2007 Washington Statistical Society
- 1991 – 2006 Eastern Sociological Society
- 1996 – 2006 Society for the Advancement of Socio-economics

Scholarly Reviewer

American Journal of Public Health
 Bulletin of the World Health Organization
 Ethnicity & Disease
 Family Relations
 Globalization & Health
 Journal of Epidemiology and Community Health
 Journal of Healthcare for the Poor and Underserved
 Journal of Rural Health
 Journal of the American Medical Association
 Socioeconomic Review

Nationality

U.S. Citizen