

CURRICULUM VITA

I. Personal Information

Name: William Dean Kalsbeek

Business Address: Department of Biostatistics
730 Martin Luther King Jr. Blvd, Suite 100
Chapel Hill, NC 27599-2400
e-mail:bill_kalsbeek@unc.edu

II. Education

	<u>Institution</u>	<u>Major</u>	<u>Degree</u>	<u>Year Conferred</u>
(1)	Northwestern College (Iowa)	Mathematics	B.A.	1968
(2)	University of Washington	Biostatistics Trainee in Biostatistics	Summer	1969
(3)	University of Michigan	Biostatistics	M.P.H.	1970
(4)	University of Michigan	Biostatistics	Ph.D.	1973

III. Honors and Awards

- (1) National Honor Society, 1964.
- (2) Undergraduate Tuition Scholarship, Northwestern College 1964-1968.
- (3) Undergraduate Music Scholarship, Northwestern College, 1964-1968.
- (4) Cum Laude, Bachelor of Arts, Northwestern College, 1968.
- (5) M.S. Public Health Service Traineeship, University of Michigan, 1968-1972.
- (6) Nominee: McGavran Award for Excellence in Teaching, University of North Carolina, 1979, 1983, 1998.
- (7) Sigma Xi, The Scientific Research Society, University of North Carolina, 1983-present.
- (8) Fellow, Carolina Population Center, University of North Carolina, 1985.
- (9) Delta Omega, The Honorary Public Health Society, 1986-present.
- (10) Excellence Award in Statistics and Epidemiology: North Carolina Public Health Association, 1991.
- (11) Alumni Recognition Award for Distinguished Professional Achievement, Northwestern College, 1994.
- (12) Research Fellow, The Cecil G. Sheps Center for Health Services Research, 1994-1997; 2011-2016
- (13) Special Award for Outstanding Service, Survey Research Methods Section, American Statistical Association, 1996.
- (14) Fellow, American Statistical Association, 1997.
- (15) National Associate, National Research Council, National Academy of Sciences, 2008-present.

IV. Employment History (From 9/68)

- (1) Research Trainee, Center for Population Planning, University of Michigan. Activities included the analysis of pre- and post-partum data from a sample of intrauterine device users in the Family Planning Program at Pakistan. Also included was the development of data forms from the Maternal and Infant Care Project in Detroit, Michigan. (1/69-6/69)
- (2) Assistant in Research, Statistics Research Section, Tecumseh Community Health Study, department of Epidemiology, School of Public Health, University of Michigan. Responsibilities included the statistical design of a time-wise comparison study of symptoms associated with coronary heart disease. (5/70-8/70)
- (3) Research Trainee, Summer Workshop for Foreign Sampling Statisticians presented at the Institute for Social Research, Ann Arbor, Michigan. The objective of this workshop was to acquaint foreign sampling statisticians with a variety of modern sampling methods ranging from simple random selection to complex multi-state area designs. (6/72-8/72)
- (4) Doctoral Candidate, University of Michigan Department of Biostatistics. Dissertation research on small area estimation from sample survey data and associated data which is known for the entire population. This research was sponsored by the United States Bureau of the Census. (12/71-8/73)
- (5) Statistician, Sampling Research and Design Center, Research Triangle Institute, Research Triangle Park, North Carolina. Principal responsibilities involved providing sampling input to the design and analysis of several RTI studies. (9/73-9/76)
- (6) Adjunct Assistant Professor, Department of Biostatistics, University of North Carolina. Activities have involved membership on a student dissertation committee. (9/76-8/78)
- (7) Senior Statistician, Sampling Research and Design Center, Research Triangle Institute, Research Triangle Park, North Carolina. Activities involved major project direction responsibilities for several large RTI sample surveys. (9/76-8/78)
- (8) Assistant Professor, Department of Biostatistics, University of North Carolina. Responsibilities include teaching, research and service. (9/78-6/85)
- (9) Statistical Researcher, Office of Research and Methodology, National Center for Health Statistics, a part-time assignment agreement under the Intergovernment Personnel Act to conduct research dealing with methodological problems occurring in health surveys. (3/81-6/82)
- (10) Associate Professor, Department of Biostatistics, University of North Carolina. Responsibilities include teaching, research, and service. (7/85-3/97)
- (11) Director, Survey Research Unit, Department of Biostatistics, University of North Carolina. Conduct a variety of mail and CATI telephone interviews. (1/90-)
- (12) Professor, Department of Biostatistics, University of North Carolina. Responsibilities include teaching, research, and service. (3/97-6/14)
- (13) Emeritus Professor, Department of Biostatistics, University of North Carolina. Responsibilities include teaching, research, and service. (7/14-)

V. Professional Associations

- (1) Fellow and Member, American Statistical Association
- (2) Member, American Public Health Association
- (3) Member, Biometrics Society
- (4) Member, Institute for Research in Social Science
- (5) Member, American Association for Public Opinion Research

VI. Funded Research Activities (From 9/72)

A. Roles Served

- (1) Principal Investigator: Dissertation research on small area estimation from sample survey data. (9/72-8/73)
- (2) Co-Investigator: A study of sampling to analyze tax structures and rate schedules for the Commonwealth of Virginia. (9/73-6/74)
- (3) Analyst: Follow-up evaluation study of recent participants in the Upward Bound and Talent Search Programs. (11/73-3/74)
- (4) Analyst: Cost of living survey for residents of the State of North Carolina. (10/73-1/74)
- (5) Analyst: Special study of nonrespondents and associated nonresponse bias for the National Assessment of Educational Progress. (10/73-11/75)
- (6) Principal Investigator: Survey to develop, test, and carry out a survey on the incidence, prevalence, and costs of head and spinal cord injury. (7/74-12/77)
- (7) Technical Director: National Medical Care Expenditure Survey to provide a current assessment of the utilization and cost of medical care in America. (6/76-8/78)
- (8) Principal Investigator: Virginia Health Survey to provide a quantitative assessment of the health of and associated health care received by residents of the Commonwealth of Virginia. (9/77-8/78)
- (9) Sampling Statistician: Study of the Effects of Nosocomial Infection Control (SENIC) for the Center for Disease Control to develop estimators for analysis of data. (9/78-5/80)
- (10) Sampling Statistician: International Population Laboratories for USAID project to develop the capability to conduct fertility surveys in several developing countries. (9/78-7/83)
- (11) Co-Investigator: Study to Develop a Taxonomy of Nonsampling Error Components for the National Science Foundation. (3/79-12/80)
- (12) Principal Investigator: Public Health Special Project Grant to enhance the sampling and data management training in the Department of Biostatistics at the University of North Carolina. (7/80-12/82)
- (13) Principal Investigator: Cooperative agreement with the Centers for Disease Control, Office of Surveillance and Analysis, to provide technical assistance in the development, implementation, and evaluation of a system of statewide telephone surveys known as the Behavioral Risk Factor Surveillance System (BRFSS). (3/82-)

- (14) Sampling Statistician: Lipids Research Clinics study to assess blood lipid levels in the U.S. population using data from the Health and Nutrition Examination Surveys. (3/82-6/86)
- (15) Sampling Statistician: Environmental Protection Agency project to assess space and time variation in mortality and health indices in relation to environmental quality. (4/84-6/87)
- (16) Co-Investigator: Design study with the Centers for Disease Control for a longitudinal survey of pregnancy and childbirth. (7/85-6/93)
- (17) Sampling Statistician: National Cancer Institute study to develop and assess a self-help quit smoking program for black Americans. (7/85-12/88)
- (18) Sampling Statistician: Collaborative study funded by the National Heart, Lung and Blood Institute on atherosclerosis risk in communities. (9/85-12/88)
- (19) Survey Statistician: Program on Aging, School of Public Health, University of North Carolina. (6/86-6/90)
- (20) Principal Investigator: Design study on sampling migrant farm workers, funded by the Milbank Memorial Fund. (6/87-6/89)
- (21) Sampling Statistician: Piedmont Dental Survey of the Elderly; funding by the National Institute for Dental Research. (6/87- 6/91)
- (22) Survey Statistician: Design study for a state-wide injury surveillance system, funded by the Centers for Disease Control. (1/87-12/88)
- (23) Sampling Statistician: Design study for a national survey on the contraceptive behavior of teenage women and their partners; funded by the National Institute of Child Health and Development. (9/87-12/91)
- (24) Co-Principal Investigator: Immunization demonstration project on survey methods to assess immunization coverage in preschool children; funded by the Centers for Disease Control. (10/89-2/93)
- (25) SRU Director: Principal administrative and technical contact person for numerous surveys done by the Survey Research Unit as a service to or in collaboration with various researchers at UNC-CH and elsewhere; funding levels averaging about \$800,000 per year. (1/90-)
- (26) Survey Statistician: SRU contract to conduct a followup survey of WIC program participants in North Carolina; funded by the North Carolina DEHNR, Division of Maternal and Child Health. (1/90-3/92)
- (27) Survey Statistician: SRU contract to conduct a design study in North Carolina for a planned physician surveillance system; funded by the Centers for Disease Control. (6/91- 9/92)
- (28) Survey Statistician: SRU contract to conduct a national survey of adults on knowledge concerning the risk of contracting AIDS from health care workers; funded by the Centers for Disease Control. (9/91-8/92)
- (29) Survey Statistician: SRU subcontract to a study to investigate outcomes and the efficiency if care related to low back pain; funded by the Agency for Health Care Policy Research. (9/91-).

- (30) Survey Statistician: SRU subcontract to a national telephone followup survey of the elderly to assess their level of functional ability, funded by the National Institute on Aging. (9/92-7/94)
- (31) Survey Statistician: SRU subcontract to a nutrition intervention study to assess methods to promote (under a "five-a-day" program) the consumption of more fruits and vegetables by African-Americans, funded by the National Cancer Institute. (7/93-)
- (32) Survey Statistician: SRU subcontract to a national study to assess the determinants of hospital closings in rural areas, funded by the Agency for Health Care Policy and Research. (9/93-3/96)
- (33) Survey Statistician: SRU subcontract to a study on the planning and development of a model community-based urban-rural health care network in Charlotte, NC, funded by the Department of Housing and Urban Development. (9/93-2/96)
- (34) Survey Statistician: SRU contract to design and conduct the first annual North Carolina Health Profile in collaboration with the North Carolina State Center for Health and Environmental Statistics, funded by the Robert Wood Johnson Foundation. (10/93-12/96)
- (35) Survey Statistician: SRU subcontract to a study on the prevalence of sport-related injury in North Carolina high schools. fund by the National Institutes of Health. (1/96-)
- (36) Survey Statistician: SRU subcontract to a national study to investigate the genetic causes of Alzheimer's disease in a national registry of aging twins, funded by the National Institute on Aging. (3/96-)
- (37) Survey Statistician: SRU subcontract to a national study to assess violence against women living in rural areas, funded by the National Institute of Justice. (3/96-)
- (38) Survey Statistician: SRU technical services agreement with the UNC-CH Frank Porter Graham research center to design several samples for FPG child development research studies. (9/96-)
- (39) Principal Investigator: Center grant to fund methods research on studies of populations at high risk, funded by Centers for Disease Control/National Center for Health Statistics. Funding for the first three-year period at \$1,256,781. (10/99- 5/05)

B. Significant Samples Designed (Since 9/73)

- (1) National Head and Spinal Cord Injury Survey: Records abstract and personal interview survey; a stratified multi-stage sample of 9,700 patient medical records; PPS selection of county groups as PSUs; unequal probability design. (1975)
- (2) National Medical Care Expenditure Survey (with Martin R. Frankel): Personal interview survey; stratified multi-stage sample of 16,000 households; PPS selection of county groups as PSUs; area listing used to select dwellings; unequal probability design. (1976)
- (3) Virginia Health Survey (with Robert E. Mason): Personal interview survey, stratified multi-stage sample of 6,200 households; PPS selection of minor civil divisions as PSUs; area listing used to select dwellings; unequal probability design. (1977)
- (4) East Java (Indonesia) Population Survey: Personal interview survey; stratified multi-stage sample of 19,000 women aged 15-49 years; PPS systematic selection of villages as PSUs; dwellings sample from area list; unequal probability design. (1979)

- (5) Somalia Fertility and Mortality Survey of Settled Population: Personal interview survey; stratified multi-stage sample of 8,000 women aged 15-49 years; PPS systematic selection of administrative areas as PSUs; complete enumeration of compact segments; equal probability design. (1980)
- (6) Jordan Demographic Survey: Personal interview survey; stratified multi-stage sample of 14,000 women aged 15-49; replicated PPS systematic selection of blocks (urban) and localities (rural) as PSUs; adapted census listing used to select dwellings; equal probability design. (1980)
- (7) Somalia Fertility and Mortality Survey of Nomadic Population: Personal interview survey; stratified two-stage sample of 430 women aged 15-49 years; stratified SRS selection of waterpoints as PSUs; unequal probability design. (1981)
- (8) Puerto Rico Fertility and Family Planning Survey: Personal interview survey; stratified multi-stage sample of 3,200 women aged 15-49; replicated PPS systematic selection of numeration districts as PSUs, complete enumeration of compact segments; unequal probability design. (1981)
- (9) Orange County Health Department Survey: Telephone interview survey; Waksberg three-stage random digit dialing (RDD) sample of 240 adults; unequal probability design. (1981)
- (10) Assessment of Toxicity Data on Chemical Substances (with Committee on Sampling Strategies, National Academy of Sciences): Literature abstract survey; stratified SRS of 675 existing substances; unequal probability design. (1981)
- (11) Michigan Health Risk Assessment Survey: Telephone interview survey; stratified Waksberg three-stage RDD sample of 1,400 adults; unequal probability design. (1982)
- (12) Alaskan Health Risk Assessment Survey: Telephone/personal interview survey; stratified Waksberg three-stage RDD sample (urban areas) and two-stage list sample (rural areas) of 845 adults; SRS of rural communities with randomly chosen adults or key informants as respondents; unequal probability design. (1982)
- (13) North Carolina Memorial Hospital Community Awareness Survey I: Telephone interview survey; Waksberg three-stage RDD sample of 240 adults; unequal probability design. (1982)
- (14) California Health Risk Assessment Survey: Telephone interview survey; stratified Waksberg three-stage RDD sample of 1,500 adults; unequal probability design. (1982)
- (15) Hawaii Health Risk Assessment Survey: Telephone interview survey; stratified Waksberg three-stage RDD sample of 1,000 adults; unequal probability design. (1982)
- (16) North Carolina Memorial Hospital Community Awareness Surveys II-IV: Telephone interview survey; Waksberg three-stage RDD samples of 350 adults; unequal probability design (1983, 1986, 1989, 1992, 1994)
- (17) National Supplementary Health Risk Assessment Survey: Telephone interview survey; stratified Waksberg three-stage RDD sample of 750 adults; unequal probability design. (1983)
- (18) Second Egypt Contraceptive Prevalence Survey: Personal interview survey; stratified multi-stage sample of 10,000 women age 15-49 years; PPS systematic selection of administrative

- areas (urban) and villages (rural); area listings used to select dwellings; equal probability design. (1983)
- (19) North Carolina Survey of Childhood Injury (with J. Michael Bowling): Telephone interview survey; stratified Waksberg three-stage RDD sample of 1,000 adults; unequal probability design. (1984)
- (20) Survey of Physicians Referring Patients to North Carolina Memorial Hospital: Telephone interview survey; stratified list sample of 400 physicians; unequal probability design. (1984)
- (21) Survey of black policyholders for the Self-help Quit Smoking Study: Mail survey; stratified list sample of 4,000 policyholders from a duplicate-removed list of policies at the North Carolina Mutual Insurance Company; equal probability design. (1985)
- (22) North Carolina School Oral Health Survey (with J. Michael Bowling): Examination survey to gauge the level of dental health among student grades K-12 in North Carolina's public schools; stratified one-stage cluster sample of 10,400 school-age children using classrooms as the cluster; equal probability design. (1986)
- (23) Contraceptive Prevalence Survey in Honduras: Personal interview survey; stratified two-stage sample of 10,000 households, with PPS systematic sampling of local geo-political area units as PSUs and created segments as SSUs; equal probability design. (1986)
- (24) National Survey of Missing Children: Telephone/mail survey; disproportionate stratified list sample of 800 law enforcement agencies; unequal probability design. (1987)
- (25) Atherosclerosis in Communities Study; Jackson, Mississippi (with David A. Walsh): Personal interview survey; stratified list sample of 4,000 blacks aged 45-64 years with drivers license registration list as the sampling frame; unequal probability design. (1987)
- (26) Piedmont Dental Survey: Examination survey; two-phase subsample of 1,000 persons 65 and older for a dental interview and examination from a stratified three-stage area sample of households in five central North Carolina counties; dentates oversampled through household screening; unequal probability design. (1987)
- (27) National Longitudinal Survey of Pregnancy and Childbirth: Personal interview/records abstraction survey; stratified three-stage sample of 20,000 pregnant women designed for a planned study of prenatal morbidity and outcome; county groups (stratified by region and urbanization), physician practices (stratified by primary specialty), and time periods as sampling units in the three stages, respectively; unequal probability design. (1988)
- (28) National Migrant Survey (with Rebecca Parker): Personal interview survey; stratified four-stage sample of unspecified size for a future personal interview survey of migrant and seasonal farmworkers; county groups, migrant camps and individual housing units as sampling units through the first three stages, with time-dimension sampling applied to deal with migrant mobility in identifying selected individuals in the final stage; unequal probability design. (1989)
- (29) National Teenage Pregnancy Survey: Personal interview survey; stratified three-stage sample of 20,000 7th-11th graders selected through an in-school screen to oversample key subgroups; county groups as PSUs and linked samples of 200 secondary and feeder middle schools as SSUs; unequal probability design. (1989)

- (30) AIDS Education and Health Care Workers Survey (with Linda Sanders): Telephone interview survey; proportionately stratified modified Waksberg three-stage RDD sample of 1,150 adults; stratification by time zone; unequal probability design. (1991)
- (31) North Carolina Physician Surveillance Survey (with Linda Sanders): Mail survey; disproportionately stratified list sample of 1,200 primary care physicians; stratification by primary specialty; unequal probability design. (1991)
- (32) North Carolina Low Back Pain Prevalance Survey: Telephone interview survey; unstratified three-stage modified Waksberg design of 2,500 adults; unequal probability design. (1991)
- (33) Russian Republic Longitudinal Monitoring Survey. Personal interview for periodic household surveys of the civilian, noninstitutionalized population in the Russian republic; proportionately stratified three-stage sample of 5,000 households; cities and Rayon as PSUs, voting districts as SSUs, and voter addresses as TSUs; PSU stratification by region and percent urban; unequal probability design. (1992)
- (34) North Carolina Automobile Inspection and Maintenance Audit Survey: Record check survey; stratified three-stage sample of about 1,200 automobile; proxy PPS sampling of area grids as PSUs with selection of a single subgrid as SSU; route sampling of automobiles (as TSUs) within grid areas, using the last three digits of the serial ID as the basis for randomization; unequal probability design. (1993)
- (35) North Carolina Five-a-Day Study: Nutrition intervention assessment with followup and aimed at African-Americans living in 10 rural eastern North Carolina counties; stratified one-stage cluster sample of 3,750 church members with church as the PSU and county and church membership as stratification criteria; PPS selection of 100 churches with reported membership as the size measure; unequal probability design. (1993)
- (36) National Rural Hospital Survey: Telephone interview survey; stratified four stage sample of approximately 10,000 adults living in rural communities with a hospital; community is the PSU and a three-stage Waksberg RDD sample of adults (one per household) constitute the last three stages; PPS selection of communities within community strata defined by the economic status of the hospital and using community 1990 total population as the size measure; approximately 100 adult respondents in each of 100 sample communities; unequal probability design. (1994)
- (37) Charlotte Health Care Network Study: Telephone interview surveys in seven rural communities surrounding the Charlotte area; unstratified three-stage Waksberg RDD telephone sample of 250-350 adult residents; unequal probability design (1994)
- (38) North Carolina Health Profile; Round 1 (with Delton Atkinson and Ira Kaufman): Telephone interview survey; regionally stratified three-stage Waksberg RDD telephone sample of 2,757 households, with separate modules for a single random adult (n=2,575), a single random child under the age of 18, if present (n=1,077) and a single random child under age 6, if present (n=421); disproportionate allocation among three regions to produce approximately equal sample sizes, unequal probability design. (1994-1995)
- (39) North Carolina High School Sports Injury Survey: Face-to-face and record abstraction survey; stratified two-stage sample of 15,000 athletes for each of three consecutive school years; Stratified PPSWOR (Sampford's algorithm) of 100 schools (PSUs), stratification by school size classification, region of the state, and qualifications of school's athletic trainer (size measure as the number of sports teams); simple systematic sample of 6 sports teams in each school, implicitly stratified by type and participant gender; equal probability design. (1996)

- (40) National Kindergarten Transition Study: Mail survey done by Frank Porter Graham to profile strategies used by kindergarten teachers to help their students with the transition to subsequent grades; disproportionately stratified sample of 5,000 kindergarten teachers in U.S.; stratification by population density, percentage in poverty, and percent minority for the area surrounding the school; unequal probability design. (1996)
- (41) National Best Practices in Child Care Survey: Mail survey done by Frank Porter Graham to profile the teaching practices of day care workers, to identify those seen as most effective; disproportionately stratified sample of 2,500 day care workers in U.S.; stratification by center enrollment and type of institutional setting; unequal probability design. (1997)
- (42) National Health Directors Report Card Indicators Study: Mail survey to develop a model report card of community health; disproportionately stratified sample of 365 community health directors; stratification by type and size of jurisdiction; unequal probability design. (1997)
- (43) North Carolina Smart Start Evaluation Study: Mail survey done by Frank Porter Graham to assess the skills level of children entering kindergarten in the 55 North Carolina counties with the Smart Start program to prepare pre-school age students for grade school; stratified two stage unequal probability sample of kindergarten students in the Smart Start counties; kindergarten classes as PSU, and student as SSU; unequal probability design. (1997)
- (44) Wake County Community Assessment Survey: Telephone interview survey, assessing the attitudes and behaviors related to social and health issues in the county; geographically stratified list-assisted RDD telephone sample of 1,000 adult residents; proportionate allocation among eight strata defined by communti; unequal probability design with selection of one child respondent per household. (1998)
- (45) American Cancer Survey Sun Exposure/Protection Survey: Telephone interview survey; regionally stratified list-assisted RDD and age-targeted telephone sample of 1,200 child/parent pairs, with separate modules for 11-18 years olds and their in-household primary caregiver; proportionate allocation among seven regional strata defined according to levels of exposure to ultraviolet radiation; unequal probability design with selection of one child respondent per household. (1998)
- (46) State-Wide Youth Tobacco Surveys (with W. Warren and K. Beckett): Self-administration of student interviews within schools; assistance with design development in a number of U.S. states as part of a national system of statewide surveys of 1,500-10,000+ students, regionally stratified PPS systematic sample of middle and/or high schools within states; proportionate allocation when priority to statewide estimates and balanced allocation when priority given to producing regional estimates, sampling of students within schools through selection of 2nd period classes. *(1999-2000)
- (47) Conference Board of Mathematical Sciences (CBMS) 2000 Survey (with S. Taraska): Mail self-administration survey of mathematics and statistics programs in the U.S.; optimally allocated stratified simple random sample of 600 programs in two- and four-year colleges and universities; stratification by control (whether the college or university was publicly or privately funded), the highest degree level offered (i.e., BA, MA or PhD), and institutional enrollment (2000).
- (48) North Carolina School Readiness Study (with J. M. Bowling): Classroom administration/parent self-administration study of the readiness of kindergarten students to begin first grade; two-stage sample of five kindergarteners chosen by simple random sampling within each member of

a first stage proportionately allocated stratified PPSWR sample of 189 elementary schools; stratification for school selection by 3rd grade reading end-of-grade reading scores, percent of students in subsidized lunch program, and region of the state (2000).

- (49) Multi-State Pre-Kindergarten Study (with J. M. Bowling, P. Burchinal, and D. Early): In-program administration study of pre-kindergarten programs to predict quality of learning in pre-kindergarten programs in six U.S. states; four-stage stratified cluster sample in each state with oversampling of programs employing more highly trained instructors; four students chosen in one classroom chosen from two programs selected from each of 20 zipcode groups (PSUs) selected with PPSWR, with size = the number of classrooms in the area (2001).
- (50) North Carolina Oral Cancer Survey (with R. Agans): Telephone interview survey of adults in the state; assessing their knowledge and experience with screening for oral cancer; unstratified list-assisted RDD telephone sample of 1,075 adult residents; unequal probability design with selection of one adult respondent per household. (2001).
- (51) Carolina Safe Study: A survey of abuse and the family environment in North and South Carolina: Telephone interview survey of adults in four counties and both states; profiling patterns of child discipline in the home; stratified dual-frame telephone sample (partially pre-screened list-assisted RDD plus targeted sample of listed phone numbers) of 2,400 adult caregivers (250 per county; 700 per state); unequal probability design (2002)
- (52) National Youth Labor Survey: A survey of injury in the work place involving 14-17 year olds in the U.S.: Telephone interview survey of parents and their teenage children in the continental U.S.; profiling patterns of injury to teenagers in the workplace and their determinants; stratified dual-frame telephone sample (partially pre-screened list-assisted RDD plus targeted sample of listed phone numbers) of 800 parent-teen pairs; unequal probability design (2003)
- (53) North Carolina School Oral Health Survey (with J. Michael Bowling): Examination survey to gauge the level of dental health among student grades K-12 in North Carolina's public schools; stratified one-stage cluster sample of about 10,000 school-age children using classrooms as the cluster; unequal probability design with oversampling of Hispanic students by disproportionately selecting classrooms in schools with a higher concentration of Hispanic students. (2003)
- (54) North Carolina Teen Smoking Survey: A survey of smoking behavior among teenagers in North Carolina: Telephone interview survey of parents and their teenage children in North Carolina; profiling patterns of teenager smoking and related behavior; stratified dual-frame telephone sample (partially pre-screened list-assisted RDD plus targeted sample of listed phone numbers) of 637 teens; unequal probability design; followup with supplementation in second round to 730 teen interviews (2004, 2005).
- (55) Greensboro Truth and Community Reconciliation Project: Telephone interview survey of adults in the Greensboro, NC to assess their knowledge and experience with efforts at reconciliation as a result of past human rights violations; stratified disproportionate list-assisted RDD telephone sample of 1,000 adult residents; unequal probability design with oversampling of areas with higher concentrations of African-Americans and with selection of one adult respondent per household. (2004).
- (56) American Cancer Society National Sun Exposure/Protection Survey (Round 2): A survey of the extent of sun exposure among adolescents and strategies to provide protection. Telephone interview survey; regionally stratified dual-frame telephone sample (33:67 respondent mixture obtained, respectively, from a partially pre-screened list-assisted RDD frame and a targeted

frame of listed phone numbers) of 11-18 years olds and their in-household primary caregiver; 1,500 parent-child interview pairs; proportionate allocation among seven regional strata defined according to levels of exposure to ultraviolet radiation; unequal probability design with selection of one child respondent per household. (2004)

- (57) National Female Sexual Dysfunction Survey: A survey of issues related to sexuality and dysfunction for women aged 30-70 years in the U.S. Telephone interview survey of women profiling levels of dysfunction; stratified dual-frame telephone sample (20:80 respondent mixture obtained, respectively, from a partially pre-screened list-assisted RDD frame and a targeted frame of listed phone numbers) of 2,000 eligible women; unequal probability design with oversampling by age and oophorectomization status. (2004)
- (58) National Safe Dates Pilot Survey: A survey to profile dating violence and ways to deal with it. Telephone interview survey; telephone sample (from a targeted frame of listed phone numbers) of 13-15 years olds and their in-household primary caregiver; 714 parent-child interview respondent pairs. (2005)
- (59) Conference Board of Mathematical Sciences (CBMS) 2005 Survey (with L. Aertker): Mail self-administration survey of mathematics and statistics programs in the U.S.; optimally allocated stratified simple random sample of 600 programs in two- and four-year colleges and universities; stratification by control (whether the college or university was publicly or privately funded), the highest degree level offered (i.e., BA, MA or PhD), and institutional enrollment. (2005)
- (60) North Carolina Back and Neck Pain Survey: Telephone interview survey of adults in North Carolina to assess their prevalence status and treatment strategies for back and neck pain; stratified disproportionate list-assisted RDD telephone sample of 6,000 adult residents; unequal probability design with selection of one adult respondent per household. (2006).
- (61) The Survey of the Health of Wisconsin (SHOW) (with A. Deal): Face-to-face area sample of the 1,100 civilian, non-institutionalized households in Wisconsin to study residents aged 21-75 years; stratification of 120 selected block groups as PSUs by state region and percent of the Census 2000 population in poverty; PSU selection by PPSWOR (Sampford); second stage SRS of postal addresses or property tax parcels as appropriate; no within-household sampling of residents. (2007)
- (62) Household Survey of Sexual Behavior in Shanghai: Face-to-face survey of 1,660 settled and migrant adult (i.e., 18+ year old) residents of Shanghai; a subsample of the 2005 Shanghai Statistical Bureau's Intercensal Sample of residents; PSU sample of 50 neighborhood committees (*jumin weiyuan hui*) with PPSWOR (estimated number of settled plus migrant residents as the measure of size;), and stratified by region (*jiadao*) and ratio of migrant to resident population; second stage SRS of 2-3 small groups (*xiaozu*) per PSU, and third stage sampling of persons from lists of residents. (2007)
- (63) Hispanic Community Health Survey (with L. Lavange): Face-to-face surveys with clinical examinations of 16,000 civilian, non-institutionalized residents ages 18-74 years in heavily Hispanic portions of four urban communities in the Bronx, Chicago, Miami, and San Diego; PSU samples of block groups in each site are stratified by Hispanic concentration and socio-economic status to oversample higher concentration areas; the second stage of households were identified from a dual-frame sample (surname and postal address lists); oversampling by country of origins was done in one site and by age in all sites. (2007)

- (64) NC Shaken Baby Evaluation Survey (Round 1): Telephone interview survey of all adults in North Carolina to assess an initiative to increase awareness of domestic violence aimed at children; proportionate stratified list-assisted RDD telephone sample of 650 adult residents; stratification by NC media market (DMA); unequal probability design with selection of one adult respondent per household. (2007)
- (65) NC Purple Crying Survey (Round 1): Telephone survey of parents of children less than two years of age to examine their behavior and view about child rearing; included an embedded case-control study of Durham and Guilford counties; disproportionate stratified sample of the 3,450 parents of children residents who were born between October 1, 2005 and July 31, 2007; stratification by geographic location as well as mother's age, education, and tobacco/alcohol use during pregnancy; unequal probability design with selection of one eligible child as reference in each responding household. (2007)
- (66) Global Adult Tobacco Survey (GATS) System Prototype Design (with J. Michael Bowling): Face-to-face national surveys of 8,000-30,000 households in the 23 countries of the world with the highest tobacco use. As part of a global partnership involving the Bloomberg Foundation, WHO, CDC, CDC Foundation, RTI International, and several universities, survey topics include origins and current use of tobacco products, efforts to quit, and exposure to second-hand smoke provide continuing health surveillance accompanying intervention programs. Stratified, multi-stage area samples with oversampling to achieve approximately equal sample sizes by region when regional estimates are required. Involvement in design, implementation, and weighting for analysis. Countries with my direct involvement thus far include: Egypt, India, Bangladesh, Brazil, Mexico, Poland, Philippines, Turkey, Russian Federation, Thailand, China, Ukraine, Indonesia, Nigeria, Malaysia, Romania, Argentina, Qatar, United Arab Emirates, Panama, Pakistan, and Greece. (2007 -)
- (67) United Arab Emirates Indoor Air Quality, Health and Nutrition Survey: Joint UA-UNC face-to-face national survey of 600 households to study respiratory illness and nutritional and health status of the native Emirati population. Household sample selected as part of a stratified two-stage design that subsamples from a UAE national master sample of PSUs and uses enumeration lists of households developed by the Ministry of Economy. Proportionate allocation by Emirate. (2008-2010)
- (68) Los Angeles Homeless Services Authority Homeless Count and Survey: This suite of four interrelated surveys are aimed at three types of homeless persons: a raw field count of street homeless, separate face-to-face demographic surveys of street and shelter homeless, and a telephone survey of residential households harboring hidden or precariously homeless persons. Estimates applicable to the total population and various geographically defined constituencies (e.g., Service Planning Areas, council districts, etc.) are joint priorities. A disproportionately allocated stratified simple random sample of 647 census tracts selected from strata defined by SPA, cities, and level of historical concentration of homeless was chosen for the street homeless count. Stratified two-stage designs with PPS selection of PSUs were used to choose the street and shelter samples of homeless persons for the demographic survey. The 125 census tracts, designated as PSUs and from which about 2,250 persons were interviewed for the street sample, were chosen by PPS ($Mos = 2008$ shelter homeless count) as a subsample of the 647 census tracts that had been used for the street homeless count. The final homeless sample size in the shelter portion of the demographic survey was about 1,150 persons who were interviewed in 150 shelters that served as PSUs, which were stratified by and optimally allocated among the eight SPAs and also chosen with PPS using a comparable size measure to the street sample. The sample of about 30,000 landline phone numbers that were chosen for the hidden homeless telephone survey, and leading to about 4,000 completed interviews, was stratified and disproportionately allocated according to several characteristics that research

suggest might be correlated with the presence of hidden homeless; i.e., low HH income, single family residence, African-American, and high mobility. (Rounds in 2009 and 2011)

- (69) Newborn Education Study: Multi-round telephone survey of parents of children less than three months of age to examine their exposure to parenting instruction from the birth hospital; disproportionate stratified sample of the 405 parents of children residents who were born within the past three months; stratification by birthdate, size of birth hospital, and level of urbanization of the mother's county of residence; unequal probability design with selection of one eligible child as reference in each responding household. (2010)
- (70) Tar Heel Health Poll: Periodic opinion poll by telephone of 625 North Carolina adult residents on current issues related to public health in the state; stratified RDD sample by region and county level of urbanization; unequal probability design with selection of one adult at random in each responding household. (2010).
- (71) North Carolina State Employees Credit Union: Audit sample of 2,000 customer accounts to estimate those closed and distributed due to the death of the accountholder (With Mansour Fahami); disproportionately allocated stratified list sample (2013).

C. Published Papers (Refereed)

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- (14) Kalsbeek, William D., Sharon Y. Cornell, and Patricia S. Tennis. "On Developing a National Sample of Women Early in Pregnancy," Proceedings of the Section on Survey Research Methods, American Statistical Association, pp. 720-725, 1987.
- (15) Kalsbeek, William D. "Design Strategies for Nonsedentary Populations," Proceedings of the Section on Survey Research Methods, American Statistical Association, pp. 28-37, 1988.
- (16) Kalsbeek, William D., Steven L. Botman, and James T. Massey. "Cost-Efficiency and the Number of Allowable Callbacks in the National Health Interview Survey," Proceedings of the Section on Survey Research Methods, American Statistical Association, pp. 176-181, 1989.
- (17) Sanders, L.L. and W.D. Kalsbeek. "Network Sampling as an Approach to Sampling Pregnant Women". American Statistical Association, Proceedings of the Section on Survey Research Methods, pp. 326-331, 1990.
- (18) Kalsbeek, W.D., D. A. Weigle, N. J. Allred, and P. Liu. "A Comparison of Survey Designs for Estimating Childhood Immunization Rates", American Statistical Association, Proceedings of the Section on Survey Methods, pp. 175-181, 1991.
- (19) Kalsbeek, W.D. "Discussion: Issues in Survey Participation," American Statistical Association, Proceedings of the Section on Survey Research Methods, pp.108-110, 1991.
- (20) Lesser, V. M. and W.D. Kalsbeek. "A Comparison of Periodic Survey Designs Employing Multi-Stage Sampling," American Statistical Association, Proceedings of the Section on Survey Research Methods, pp. 186-190, 1991.
- (21) Kalsbeek W.D., J.A. Dever, L.L. Sanders, and E. Bennett. "An Assessment of Alternative Designs for Doing Physician Surveillance Surveys", American Statistical Association, Proceedings of the Section on Survey Research Methods, pp. 256-261, 1992.
- (22) Kalsbeek W.D. and M.J. Mancewicz. "Sampling Prenatal Care Providers from a Frame of Physicians," American Statistical Association, Proceedings of the Section on Survey Research Methods, pp. 206-21, 1993.
- (23) Kalsbeek, W.D. and Todd A. Durham. "Nonresponse and Its Effects in a Followup Telephone Survey of Low Income Women," American Statistical Association, Proceedings of the Section on Survey Research Methods, pp.943-948, 1994

- (24) Kalsbeek, W.D. and Scott E. Joens. "Cost-Effectiveness and Advance Mailings in a Telephone Followup Survey," American Statistical Association, Proceedings of the Section on Survey Research Methods, pp. 204-209, 1995.
- (25) Kalsbeek, W.D. "The Computer Program Called *Sample*: A Teaching Tool to Demonstrate Some Basic Concepts of Sampling (Version 1.01)," American Statistical Association, Proceedings of the Section on Statistical Education, pp.103-108, 1996.
- (26) Brock, S.P., J.V. Mauney, and W.D. Kalsbeek. "Unintentional Crossover Effects in Community Intervention Studies: Evidence from a Nutrition Survey Aimed at African Americans." American Statistical Association, Proceedings of the Section on Survey Research Methods, pp. 667-672, 1997.
- (27) Lesser, V.M. and W.D. Kalsbeek. "Nonsampling Error Considerations in Environmental Surveys." American Statistical Association, Proceedings of the Section on Survey Research Methods, pp. 96-104, 1997.
- (28) Kalsbeek, W.D. and J. V. Mauney. "Statistical Implications of Assignment Contamination in Community Intervention Trials." American Statistical Association, Proceedings of the Epidemiology Section, pp. 128-133, 1998.
- (29) Ahmed, W.M. and W.D. Kalsbeek. "An Analysis of Telephone Call History Data from the Behavioral Risk Factor Surveillance System." American Statistical Association, Proceedings of the Section on Survey Research Methods, pp. 224-229, 1998.
- (30) Kalsbeek, W.D., Odom, D., and Sutton, B., "Process Effects on Telephone Calling Outcomes in the Behavioral Risk Factor Surveillance System," Proceedings of the Section on Survey Research Methods, pp. 398-403, 1999.
- (31) Kalsbeek, W.D., Agans, R.P. Bowers, A.F., Suchindran, C.M. and Folsom, R.E. Jr., (2000). "An Inter-Disciplinary Center Addressing Statistical Issues in Health Research Aimed at High-Risk Populations," Proceedings of the Section on Survey Research Methods, American Statistical Association, pp. 527-532.
- (32) Kalsbeek, W.D., Morris, C.B., and Vaughn, B.J. (2001). "Effects of Nonresponse on the Mean Squared Error of Estimates from a Longitudinal Study," Proceedings of the Section on Survey Research Methods, American Statistical Association.
<http://www.amstat.org/sections/srms/Proceedings/y2001/Proceed/00194.pdf>
- (33) Kalsbeek, W.D., Yang, J., and Agans, R. P. (2002). "Predictors of Nonresponse in a Longitudinal Survey of Adolescents," Proceedings of the Section on Survey Research Methods, American Statistical Association, pp. 1740-1745.
- (34) Kalsbeek, W.D., R. P. Agans, J.M. Bowling, A. Pyles, E. Andraca, E. Pevzner, K.M. Ribisl (2003). "The Influence of Design on Estimates of Youth Smoking Behavior in School-Based Surveys, Proceedings of the Section on Survey Research Methods, (on CD-ROM), American Statistical Association.
- (35) Kalsbeek, W.D., Kavanagh, S.T., Wu, J (2004). "Using GIS-Based Property Tax Records as an Alternative to Traditional Household Listing in Area Samples," Proceedings of the Section on Survey Research Methods, American Statistical Association, pp 3750-3757.

- (36) Boyle, W.R. and Kalsbeek, W.D. (2005), "Extensions to the Two-Stratum Model for Sampling Rare Subgroups in Telephone Surveys," Proceedings of the Section on Survey Research Methods, American Statistical Association, pp. 2783-2790.
- (37) Aertker, L. and Kalsbeek, W.D. (2006), "Assessing Response Propensities as a Means to Evaluate Error Effects Due to Nonresponse," Proceedings of the Section on Survey Research Methods, American Statistical Association, pp. 2694-2701.
- (38) Deal, A. and Kalsbeek, W.D. (2007), "Statistical Issues in Developing Sample Designs for Surveys Requiring Rapid Response", Proceedings of the Section on Survey Research Methods, American Statistical Association, pp. 2737-2743.
- (39) Kalsbeek, W.D., Agans, R.P., and Panter, A.T. (2008), "Using Respondent Information and Psychometric Methods to Estimate Response Propensities", Proceedings of the Section on Survey Research Methods, American Statistical Association, pp. 2553-2560.
- (40) Berzofsky, M. E., Biemer, P. P., & Kalsbeek, W. D. (2011). "Methods for Fitting a Markov Latent Class Analysis for the National Crime Victimization Survey," Proceedings of the Section on Survey Methodology, American Statistical Association, pp. 5351-5365.
- (41) Kalsbeek, W.D., Spencer, B.D., and House, C.C. (2013), "The Relative Statistical and Operational Plausibility of Multiple Frame Sampling for Rare Population Subgroups", Proceedings of the Section on Survey Research Methods, American Statistical Association, (forthcoming).

F. Unpublished Papers and Other Creative Activities

- (1) Kalsbeek, William D., A Method for Obtaining Local Postcensal Estimates for Several Types of Variables, Doctoral dissertation, Department of Biostatistics, University of Michigan, Ann Arbor, Michigan, 1973.
- (2) Kalsbeek, William D., and James R. Chromy, "A Study of Tax Structures and Rate Schedules for the Commonwealth of Virginia," Research Triangle Institute: Final Report, 1974.
- (3) Kalsbeek, William D., Anne F. Clemmer, and Ralph E. Folsom, Jr., "National Assessment of Educational Progress: No-Show Analysis," Research Triangle Institute: Final Report 255U-1061-3, April 1975.
- (4) Kalsbeek, William D., Charles F. Powers, Henrick J. Harwood, Benjamin S.H. Harris, III, James R. Batts, Tyler D. Hartwell, and Thomas H. Rice, "Survey of the Incidence, Prevalence, and Costs of Head and Spinal Cord Injury," Research Triangle Institute: Final Report 255U-1033, July 1977.
- (5) Kalsbeek, William D., "Final Sampling Design: National Medical Care Expenditure Survey," Research Triangle Institute: Working Paper 254U-1320, December 1977.
- (6) Kalsbeek, William D., "Course Notes to BIOS 164: Introduction to Sample Survey Methodology," Department of Biostatistics, University of North Carolina, Chapel Hill, April 1979.
- (7) Kalsbeek, William D., and Dennis G. Gillings, "Introduction to Sample Survey Methods," Notes for a one-week workshop on sample survey methods, conducted initially in May 1979, University of North Carolina, Chapel Hill.

- (8) Kalsbeek, William D., "A Conceptual Review of Error Due to Nonresponse," Error Taxonomy Project, December 1979.
- (9) Kalsbeek, William D., "Course Notes to BIOS 264: Advanced Sample Survey Methods," Department of Biostatistics, University of North Carolina, Chapel Hill, December 1979.
- (10) Kalsbeek, William D., and Robert E. Johnson, "Extrapolation as an Adjustment for Nonresponse in Surveys," unsolicited working paper, December 1981.
- (11) Kalsbeek, William D., "Statistical Sections of a Telephone Interview Survey Procedural Manual," Programmed self-instruction manual for use by those conducting telephone random digit dialing surveys, April 1982.
- (12) Kalsbeek, William D., Robert T. Benton, and James R. Chromy, "Probability Sampling as a Basis for Analyzing Tax Data," unsolicited working paper, December 1982.
- (13) Kalsbeek, William D., "A Rough and Ready Estimate of Intracluster Homogeneity," unsolicited working paper, December 1982.
- (14) O'Brien, Kevin F., William D. Kalsbeek, and C.M. Suchindran, "Variance Estimates for Life Table Functions Computed from Complex Survey Data," unsolicited working paper, June 1982.
- (15) Kalsbeek, William D. and Rebecca Parker. "Design Study of Methods for Sampling Migrant and Seasonal Farm Workers," Final report for a grant from the Milbank Fund, 1989.
- (16) Kalsbeek, William D., J. Michael Bowling, and David H. Jolly. "Knowledge and Attitudes about AIDS among North Carolina Adults," North Carolina Division of Statistics and Information Services Mimeo Series, Number 54, 1990.
- (17) Kalsbeek, W.D. "Judging the Quality of Surveys," the fourth pamphlet in the "What Is a Survey?" series of informational brochures on survey research, Section on Survey Research Methods, American Statistical Association, 1995.
- (18) Hoffman, Donna. L., William D. Kalsbeek, and Thomas P. Novak. Internet Use in the United States: 1995 Baseline Estimates and Preliminary Market Segments. Project 2000 Working Paper, Owen Graduate School of Management, Vanderbilt University, on the Worldwide Web at www2000.ogsm.vanderbilt.edu/baseline/1995.Internet.estimate.html, Nashville, Tennessee, April 1996.
- (19) Kalsbeek, W.D. (1997). "Survey Integration: Initiatives in Health Data," Discussant comments for COPAFS Federal Statistics Meeting, Washington, DC, November 13, 1996
- (20) Kalsbeek, W.D., L.L. Sanders, H. Zayed, E. Frasier, and D.L. McQueen, "Mixed Intensity Calling Strategies in Telephone Surveys of the General Population," Working Paper No. 2, Behavioral Risk Factor Surveillance System, January 1997.
- (21) Kalsbeek, W.D., and Ahmed, W. M.(1997a). *Task 2: An Assessment of Stage One Sampling and Weights, National Hospital Prevalence Study*, Working Paper, National Institute of Alcohol Abuse and Alcoholism, Under Contract N01AA71006, September 5, 1997.

- (22) Kalsbeek, W.D., and Ahmed, W. M. (1997b). *Task 3 An Assessment of Stage Two Sampling and Weight, National Hospital Prevalence Study*, Working Paper, National Institute of Alcohol Abuse and Alcoholism, Under Contract N01AA71006, November 25, 1997.
- (23) Kalsbeek, W.D (1998). *Two Alternative Sample Designs for a National Youth Tobacco Surveillance System*, Technical Working Paper. Prepared for the Centers for Disease Control, Office of Smoking and Health, January 31, 1998.
- (24) Kalsbeek, W.D., and Ahmed, W. M. (1998). *Task 4: An Assessment of Stage Three Sampling and Weights, and TASK 5: Statistical Specification for Analysis Software for the National Hospital Prevalence Study*, Working Paper, National Institute of Alcohol Abuse and Alcoholism, Under Contract N01AA71006, April 15, 1998.
- (25) Kalsbeek, W.D. (2004). "Analytical Enhancements Achieved through Linkage of Surveys, Administrative, and Secondary Data," Discussant comments for COPAFS Federal Statistics Meeting, Washington, DC, December 16, 2004.
- (26) Kalsbeek, W.D. and Zhang, L. (2006). "An Assessment of the May 2006 Election Recount and a Proposed Permanent Recount Sample Design," technical report developed for the North Carolina Board of Elections, Raleigh, NC, July 17, 2006.
- (27) Deal, A. and Kalsbeek, W.D. (2006). "Using BRFSS for Rapid Response Vaccination Coverage Surveillance when Comparing Overlapping Samples," technical report developed for the Behavioral Surveillance Branch at the Centers for Disease Control and Prevention, Atlanta, GA, July 24, 2006.
- (42) Kalsbeek, W.D., Agans, R.P., and Panter, A.T. (2008), "Using Respondent Information and Psychometric Methods to Estimate Response Propensities", Contributed paper presented at the Joint Statistical Meeting, Denver, Colorado, August 3-7, 2008
- (43) Kalsbeek, William D., J. Michael Bowling, Jason Hsia, Sara Mirza, Krishna M. Palipudi, Tarun K. Roy, and Charles W. Warren, (2010) *The Global Adult Tobacco Survey (GATS): Sample Design and Related Methods*, Topic contributed paper presented at the 2010 Joint Statistical Meetings, Vancouver, BC, Canada, August 2010.
- (44) Berzofsky, Marcus E., Paul Biemer, and William D. Kalsbeek. (2010) *Time Varying Covariates in Markiv Latent Class Analysis: Some Problems and Solutions*, Topic contributed paper presented at the 2010 Joint Statistical Meetings, Vancouver, BC, Canada, August 2010.

G. Miscellaneous Invited Lectures, Presentations, and Scientific Meetings without Proceedings

- (1) Kalsbeek, William D., "Statistical Reporting," Invited paper at the Annual Meeting of the North Carolina Medical Records Association, May 1976.
- (2) Kalsbeek, William D., "Uses of Sampling in Producing Public Health Morbidity Statistics," Invited Lecture presented at the Annual Meeting of the Statistics and Epidemiology Section of the North Carolina Public Health Association, August 1975.

- (3) Kalsbeek, William D., "Problems Related to Obtaining National Morbidity Estimates from a Sample Survey," Talk presented to the North Carolina Chapter of the American Statistical Association, September 1977.
- (4) Cohen, Steven B., Gary G. Koch, and William D. Kalsbeek, "Synthetic Estimation: A Review of the State of the Field," Paper presented to the Social Science Research Council, Washington, 1978.
- (5) Cohen, Steven B., and William D. Kalsbeek, "Some Statistical Implications on Analysis of the National Medical Care Expenditure Survey," Paper presented at the 106th Annual Meeting of the American Public Health Association, Statistics Section, Los Angeles, California, October 1978.
- (6) Kalsbeek, William D., "National Medical Care Expenditure Survey: Sample Selection from a Computer Listing of Households," Paper presented at the Spring meeting of the Eastern North American Region of the Biometric Society, New Orleans, April 1979.
- (7) Kalsbeek, William D. Invited discussant for sessions at the Conference on Health Survey Research Methods, 1979, 1989.
- (8) Kalsbeek, William D., Robert L. McLaurin, Benjamin S.H. Harris, and J. Douglas Miller, "National Head and Spinal Cord Injury Survey: Major Findings," Paper presented at the 108th Annual Meeting of the American Public Health Association, Detroit, Michigan, October 1980.
- (9) Kalsbeek, William D. Invited discussant for sessions at the Annual Meetings of the American Statistical Association, 1981, 1989, 1991.
- (10) Rochon, James, and William D. Kalsbeek, "Variance Estimation from Multi-stage Sample Survey Data: The Jackknife Repeated Replicate Approach," Paper presented at the SUGI 83 Conference, New Orleans, Louisiana, January 1983.
- (11) Kalsbeek, William D. "Analysis in Sample Surveys," Invited lecture given at the Centers for Disease Control, Atlanta, Georgia, February 1984.
- (12) Clemmer, Anne F. and William D. Kalsbeek, "Imputing Rates of Homogeneity in Multi-Stage Samples," Paper presented at the Eastern North American Region Meetings of the Biometrics Society, Raleigh, North Carolina, 1985.
- (13) Kalsbeek, William D. "Analysis of Temporal Trends from Periodic Survey Data," Invited presentation given at the Health Education/Behavioral Risk Factor National Conference, Atlanta, Georgia, May 1986.

- (14) Kalsbeek, William D. "AIDS Issues Involving Women and Children: A Summary of Findings from the 1987 Survey of Knowledge and Attitudes Among North Carolina Adults," Presentations made at the UNC-CH School of Public Health Alumni Conference, 1987, 1988.
- (15) Kalsbeek, William D. "Design Issues for Surveys of Migrant Farm Workers," Invited presentation made at the National Migrant Health Conference sponsored by the National Association of Community Health Centers, Indianapolis, Indiana, 1989.
- (16) Kalsbeek, William D. "Data Needs for Prevention of Head and Spinal cord Injury," Invited presentation made to the Injury Prevention Research Center's Database Forum on Head and Spinal Cord Injury, Research Triangle Park, North Carolina, 1989.
- (17) Kalsbeek, W.D. "The BRFSS: Basic Sampling Issues," Invited presentation made at the Behavioral Risk Factor Surveillance System Annual Conference, Atlanta, Georgia, 1990.
- (18) Kalsbeek, W.D. "Standardized State Estimates for the BRFSS," Invited presentation made at the Behavioral Risk Factor Surveillance System Annual Conference, Atlanta, Georgia, 1991.
- (19) Kalsbeek, W.D. "Aggregating BRFSS Data," Invited presentation made at the Behavioral Risk Factor Surveillance System Annual Conference, Atlanta, Georgia, 1992.
- (20) Kalsbeek, W.D. "Current BRFSS Sampling Questions and Issues," Invited presentation made at the Behavioral Risk Factor Surveillance System Annual Conference, Atlanta, Georgia, 1993.
- (21) Kalsbeek, W.D. "Small Area Estimates," Invited presentation made at the Behavioral Risk Factor Surveillance System Annual Conference, Atlanta, Georgia, 1995.
- (22) Kalsbeek, W.D. "Remarks on Teaching Survey Sampling," Presented for an invited panel discussion session on the teaching of survey sampling, American Statistical Association annual meetings, Houston, Texas, August, 1995.
- (23) Kalsbeek, W.D. "Findings from Studies on Winddown and Call Sequence Studies," Invited presentation made at the Behavioral Risk Factor Surveillance System Annual Conference, Atlanta, Georgia, 1996.
- (24) Kalsbeek, W.D. "Discussant Comments: Session on *Survey Integration: Initiatives in Health Data*, Council of Professional Associations on Federal Statistics, Bethesda, MD, November 1996.
- (25) Kalsbeek, W.D. "Quality Control in the BRFSS," Invited presentation made at the Behavioral Risk Factor Surveillance System Annual Conference, Tampa, Florida, 1997.

- (26) Kalsbeek, W.D., Groves, R.M., and Scheuren, F.J. "Survey Literacy for the 21st Century," Invited poster session presented at the Joint Statistical Meetings, American Statistical Association, Anaheim, California, 1997.
- (27) Kalsbeek, W.D and Ahmed, W. "Some Early Findings from an Analysis of BRFSS Call History Data," Invited presentation made at the Behavioral Risk Factor Surveillance System Annual Conference, Atlanta, Georgia, 1998.
- (28) Kalsbeek, W.D, and Odom, D.M. "Process Effects on Telephone Calling Outcomes in the Behavioral Risk Factor Surveillance System," Invited presentation made at the Behavioral Risk Factor Surveillance System Annual Conference, Minneapolis, Minnesota, 1999.
- (29) Kalsbeek, W.D., Odom, D., and Sutton, B., (1999). "Process Effects on Telephone Calling Outcomes in the Behavioral Risk Factor Surveillance System,"
- (30) Kalsbeek, W.D. (2000) "Sampling and Data Analysis," Youth Tobacco Survey and School Tobacco Surveys Annual Meetings and Workshop, Atlanta, Georgia, October 17, 2000.
- (31) Kalsbeek, W.D. (2001) "Temporal Trend Analysis," Youth Tobacco Survey and School Tobacco Surveys Annual Meetings and Workshop, Atlanta, Georgia, August 1, 2001.
- (32) Kalsbeek, W.D. (2001). "Sampling and Sample Weights in RDD Telephone Surveys," Adult Tobacco Survey Workshop, Centers for Disease Control, Atlanta, GA, October 25, 2001.
- (33) Kalsbeek, W.D. (2001) "Issues in Targeting Minority Groups from General Population Samples," UNC-CH, Invited presentation to the UNC-CH Fall Faculty Colloquium, Odum Institute for Research in the Social Sciences, November 28, 2001.
- (34) Kalsbeek, W.D, "Sampling Hispanics in Health Surveys," National Hispanic Research Methods Conference, Atlanta, Georgia, August 2002.
- (35) Kalsbeek, W.D. "Seasonality and Other Statistical Effects in Adolescent Tobacco Use Surveillance," Youth Tobacco Survey and School Tobacco Surveys Annual Meetings and Workshop, Centers for Disease Control and Prevention, Atlanta, Georgia, September 2002.
- (36) Ribisl, K.M., et al. "Understanding Differences in National Estimates of Youth Tobacco Use (Report of Work in Progress)," National Tobacco Conference, San Francisco, California, December 2002.
- (37) West S.L., Agans R., Kalsbeek W., Steinbuch M. Comparison of Interviewer Versus Automated Telephone Administration for Ascertaining Sensitive Data. Presented at the 20th International Conference on Pharmacoepidemiology and Therapeutic Risk Management annual meeting, Bordeaux, France, August 22-25, 2004.
- (38) Kalsbeek, W.D., Boyle, W.R., Agans, R. P., and White, J.E. (2005), "Disproportionate Sampling for Population Subgroups in Telephone Surveys," Invited paper presented at the CDC Statistical Symposium, March 1-2, 2005, Bethesda, Maryland.
- (39) Kalsbeek, W.D., "A Review of (Total) Survey Error Models," Invited paper presented at a two-day SAMSI workshop on total survey, March 17-18, 2005, Washington, DC.
- (40) Kalsbeek, W.D., "Targeting Rare Racial/Ethnic Subgroups in Samples of the General Population" Presentation at the Department of Biostatistics student colloquium, January 17, 2007.

- (41) Kalsbeek, W.D., "Targeting Rare Population Subgroups" Seminar at the Department of University of Wisconsin, Department of Demography, October 9, 2007.
- (42) Agans RP, Liu G, Jones M, Verjan C, Silverbush M, Kalsbeek WD, "Public Attitudes Toward the Homeless" Paper presented at the 66th Annual Conference of the American Association for Public Opinion Research, Phoenix, Arizona, May 12-15, 2011.

VII. Community Service Activities

A. Professional Consultation

- (1) Sampling and Survey Methods Consultant: Agency for Healthcare and Research Quality (formerly the Agency for Health Care Policy Research and before that the National Center for Health Services Research), Rockville, MD. (1978-81; 1983-)
- (2) Sampling Consultant: National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, MD. (1978-1981)
- (3) Statistical Consultant: Eastern North Carolina Professional Services Review Organization, New Bern, NC. (1978-1980)
- (4) Sampling Consultant and Personnel Reviewer: Research Triangle Institute, RTP, NC. (1978-present)
- (5) Sampling Consultant: Centers for Disease Control, Family Planning Evaluation Division, Atlanta, GA. (1979-1984)
- (6) Statistical Consultant: Durham (N.C.) County Attorney's Office, Durham, NC. (1979)
- (7) Survey Methods Consultant: North Carolina Department of Human Resources, Raleigh, NC. (1979; 1983-)
- (8) Sampling Consultant: North Carolina Office of State Budget and Management, Raleigh, NC.. (1979; 1982-1985)
- (9) Sampling Consultant: Department of Health, Commonwealth of Virginia, Richmond, VA. (1980)
- (10) Survey Methods Consultant: World Bank, New York, NY. (1981-1982; 1992)
- (11) Survey Methods Consultant: Orange County Health Department, Hillsborough, NC. (1981)
- (12) Survey Methods Consultant: Centers for Disease Control, Behavioral Surveillance Branch, Atlanta, GA. (1982-)
- (13) Survey Methods Consultant: Defenders of Wildlife, Washington, DC. (1982)
- (14) Survey Methods Consultant: Veterans Administration, Medical District 7, Richmond, Virginia (1982-1983)
- (15) Survey Methods Consultant: North Carolina Memorial Hospital, Chapel Hill, NC. (1981-1986, 1989)

- (16) Sampling Consultant: Westinghouse Health Systems, Baltimore, MD. (1983-1984)
- (17) Sampling and Survey Methods Consultant: Centers for Disease Control, Veneral Disease Control Division, HIV/AIDS, Atlanta, GA (1983, 1987-1989)
- (18) Sampling Consultant: New York City Health Department, New York, NY. (1984-1985)
- (19) Sampling Consultant: Veterans Administration, Central Office, Washington, DC (1984-1990); 1995-)
- (20) Sampling Consultant: Little Rock Veterans Administration Hospital, Little Rock, AR. (1984-1985)
- (21) Survey Methods Consultant: Lewin ICF, Inc.(Lewin and Associates), Washington, DC (1985-1991)
- (22) Sampling Consultant: Family Health International, RTP, NC (1985-1988; 1991)
- (23) Sampling Consultant: Pedco Environmental, Durham, NC. (1985)
- (24) Sampling Consultant: Combustion Engineering, Chapel Hill, NC. (1986)
- (25) Survey Methods Consultant: National Wildlife Federation, Washington, DC. (1986-1988)
- (26) Sampling Consultant: Office of Technology Assessment, Washington, DC. (1986)
- (27) Sampling Consultant: Research and Design Associates, RTP, NC. (1987-1990)
- (28) Sampling Consultant: MONICA Project of the World Health Organization, Helsinki, Finland. (1989-1991)
- (29) Survey Methods Consultant: Program Resources, Inc., RTP, NC. (1989-1990)
- (30) Sampling Consultant: Horizon Research, Inc., Chapel Hill, NC. (1989)
- (31) Sampling Consultant: Bowman-Gray School of Medicine, Department of Biometry and Community Medicine, Winston-Salem, NC. (1990-1991)
- (32) Sampling Consultant: Blue Cross and Blue Shield of North Carolina, Durham, NC. (1990-1993; 1999-2000)
- (33) Sampling Consultant: Alliance Technologies, Inc., RTP, NC. (1991)
- (34) Sampling Consultant: R.O.W. Sciences, Inc., Rockville, MD. (1992)
- (35) Sampling Consultant: Hawaii Veterans Administration Stress Disorders Research Laboratory, Honolulu, HA. (1992-1993)
- (36) Sampling Consultant: U.S. Environmental Protection Agency, Research Triangle Park, NC (1993, 1997)
- (37) Sampling Consultant: Glaxo Pharmaceuticals, Inc., Research Triangle Park, NC (1993-1994)

- (38) Sampling Consultant. George Washington University, Washington, DC (1994)
- (39) Sampling Consultant. California Department of Health, Smoking Section, Sacramento, CA (1995)
- (40) Sampling and Survey Methods Consultant. Centers for Disease Control, AIDS Surveillance Branch, Atlanta, GA (1995, 2001-)
- (41) Sampling Consultant. Center on Addiction and Substance Abuse, Columbia University, New York, NY (1995-1997)
- (42) Sampling Consultant. Owen Graduate School of Management, Vanderbilt University, Nashville, TN (1996-1997)
- (43) Webmaster (with Joe Mauney, and David Coole). Survey Research Methods Section Home Page on the World Wide Web (1995-1996).
- (44) Sampling Consultant, Defense Manpower Data Center, Department of Defense, Washington, DC (1996-)
- (45) Survey Methods Consultant: Mayor's Office, New York, NY (1996-1997)
- (46) Survey Methods Consultant: Ceredigm Corporation, Raleigh, NC (1997- 1998)
- (47) Sampling Consultant. Centers for Disease Control, Office of Smoking and Health, Atlanta, GA (1998-)
- (48) Sampling Consultant. American Legacy Foundation (2000-2005)
- (49) Sampling Consultant. Centers for Disease Control, ATSDR, Atlanta, GA (2003)
- (50) Sampling Consultant. Mathematica Policy Research, Princeton, NJ (2003)
- (51) Sampling Consultant. Centers for Disease Control, NCCDPHP (Arthritis), Atlanta, GA (2003-2005)
- (52) Sampling Consultant. Centers for Disease Control, Center for Injury Prevention and Control, Atlanta, GA (2004-)
- (53) Sampling Consultant. World Health Organization, CDC and Bloomberg Foundations, Global Adult Tobacco Survey initiative, Atlanta, GA (2007 -)
- (54) Sampling Consultant, Los Angeles Homeless Services Authority, Los Angeles, CA (2007)
- (55) Sampling Consultant. International Reading Association, Washington, DC (2007)
- (56) Sampling Consultant, The CDM Group, Inc. and the Migrant Head Start program, USDOE, Washington, DC (2007-2008).
- (57) Sampling Consultant, Wested and the California Student Tobacco Survey, Los Angeles, CA (2008-2009).
- (58) Sampling Consultant, Scimetrika, Research Triangle Park, NC (2011-2012)

- (59) Sampling Consultant, North Carolina State Employees Credit Union (2012-2013)
- (60) Sampling Consultant, University of North Carolina, Thurston Arthritis Center, Johnston County Arthritis Study (2014 -)
- (61) Sampling Consultant, International Data for Health (D4H) Behavioral Risk Factor Mobile Phone Survey Data System (2014-)
- (62) Sampling Consultant, University of North Carolina, Carolina Survey Research Laboratory, HC16 Homeless Count Study for the Los Angeles Homeless Services Authority, Los Angeles, CA (2015 -)
- (63) Sampling Consultant, ICF Macro, Inc., Fairfax, VA; Review of the sample weighting plan for the Medical Monitoring Project survey (2016)

B. Professional Peer Reviews (Since 9/73)

- (1) Referee: Biometrics (1974, 1978, 1981, 1982)
- (2) Referee: American Statistician (1975, 1976, 1977, 1978, 1979, 1981, 1983)
- (3) Grant Reviewer: National Science Foundation (1977, 1978, 1979, 1981, 1983, 1985, 1986)
- (4) Referee: Journal of the American Statistical Association (1978, 1984, 1985, 1998, 1999)
- (5) Grant Reviewer: University of Tennessee, Office of Research Programs (1980)
- (6) Referee: Kidney International (1981)
- (7) Reviewer: The Design and Use of a Master Sample for Household Surveys, NHSCP, Statistical Office, United Nations (1982)
- (8) Referee: Controlled Clinical Trials (1983, 1984)
- (9) Personnel Reviewer: University of Michigan, Institute for Social Research (1983)
- (10) Referee: Journal of Chronic Diseases (1983)
- (11) Referee: American Journal of Public Health (1983, 1985, 1986, 1991, 1995, 1996)
- (12) Referee: Public Opinion Quarterly (1986, 1987, 1988, 1993, 1994, 1996, 2002, 2003)
- (13) Referee: Health Services Research (1986, 1994,)
- (14) Referee: Survey Methodology (1987, 1993, 1994, 2006)
- (15) Referee: Journal of Official Statistics (1989, 1993, 1994, 1997, 2000, 2000, 2003)
- (16) Referee: American Journal of Epidemiology (1991)
- (17) Referee: Journal of Acquired Immune Deficiency Syndrome (1992)
- (18) Referee: Journal of Business and Economic Statistics (1996)
- (19) Referee: Statistics in Medicine (1999)
- (20) Referee: Journal of Preventive Medicine (2002, 2006)
- (21) Referee: Encyclopedia of Social Measurement (2003)
- (22) Referee: Journal of the Royal Statistical Society (Series C) (2005)
- (23) Referee: Applied Statistics (2006)
- (24) Referee: Evaluation and Program Planning (2012)

C. Professional Committee Involvement

- (1) Student Representative: Department Chairmanship Search Committee, Department of Biostatistics, School of Public Health, University of Michigan. (1970-1971)
- (2) Student Representative: Faculty Committee, Department of Biostatistics, School of Public Health, University of Michigan. (1971-1973)
- (3) Member: Technical Advisory Panel for a Targeted Study of Catastrophic Illness Addressing Spinal Injury. (1976-1977)
- (4) Member: American Statistical Association Committee on Membership. (1977-1979)
- (5) Chair: Department of Biostatistics Seminar Committee. (1979-1980)
- (6) Member: Department of Biostatistics Examinations Committee. (1979-2003, 2006 -)
- (7) Member: School of Public Health, Institutional Review Board on Research Involving Human Subjects. (1980-1982; 1990-1993)
- (8) Member: Council of American Survey Research Organizations (CASRO) Task Forces on Definitions of Survey Completion Rates. (1980-1981)
- (9) Chair: American Statistical Association, Section on Survey Research Methods, Committee to Access the Job Market for Survey Statisticians. (1980-1983)
- (10) Member: Committee on Sampling Strategies, National Academy of Sciences. (1981-1984)
- (11) Member: Department of Biostatistics Ad Hoc Committee on Department Goals for the 1980s. (1981)
- (12) Member: Department of Biostatistics Policy Advisory Committee. (1982-1985)
- (13) Member: Department of Biostatistics Graduate Studies Committee. (1983- 1999)
- (14) Member: Department of Biostatistics Ad Hoc Faculty Retreat Committee (1984)
- (15) Member: Veterans Administration, Technical Advisory Committee for the National Vietnam Veterans Readjustment Survey (1984-1989)
- (16) Member: American Statistical Association, Section on Survey Research Methods, Committee on Tutorials (1984-1986); Chairman (1985-1986)
- (17) Member: Veterans Administration, UNC/VA Doctoral Training Committee (1985-1990)
- (18) Member: American Statistical Association, Committee on Continuing Education (1986-1990)
- (19) Member: UNC School of Public Health Graduate Programs Committee (1986-1989)
- (20) Member: UNC School of Public Health Ad Hoc Search Committee for a Chairman of the Department of Biostatistics (1986-1987)

- (21) Chair: UNC School of Public Health Undergraduate Program Task Force (1987-1988)
- (22) Member: Biostatistics Strategic Planning Committee (1988-1992)
- (23) Member: UNC School of Public Health's Health Promotion and Disease Prevention Steering Committee (1989-1991)
- (24) Member: Technical Advisory Committee on the Feasibility of the National (HIV) Seroprevalence Survey, Centers for Disease Control (1989-1990)
- (25) Member: Panel on the National Health Care Survey, National Academy of Science (1990-1992)
- (26) Member Public Health Leadership Program Development Panel, UNC School of Public Health (1991-1992)
- (27) Member: Technical Advisory Panel, National Medical Expenditure Survey, Agency for Health Care Policy and Research (1991-1997)
- (28) Member: North Carolina State Center for Health and Environmental Statistics, Health Policy Information Program Management Team (1992-1993)
- (29) Member: Advisory Panel, Survey on Income and Program Participation (SIPP), US Bureau of the Census (1993-1995)
- (30) Member: Biostatistics Curriculum Review Committee (1993-1995)
- (31) Member: Panel for National Forum on Health Care Reform (1994)
- (32) Member: North Carolina Governor's Health Planning Commission Advisory Committee on Health Data (1994)
- (33) Member: UNC School of Public Health Public Health Leadership Internal Advisory Committee (1991-1992)
- (34) Member: UNC School of Public Health Steering Committee for Interdisciplinary Curriculum in Practice and Leadership (1993-1994)
- (35) Publications Officer, Section for Survey Research Methods, American Statistical Association, (1995-1996)
- (36) Member: UNC School of Public Health's Committee to Study the Use of Telecommunications and Other Technological Innovations in Achieving the Teaching and Research Goals of the School (1995-1996)
- (37) Member: UNC School of Public Health Ad Hoc Search Committee for a Chairman of the Department of Health Behavior and Health Education (1995-1996)
- (38) Member: Technical Advisory Committee, Pregnancy Risk Assessment Monitoring Program, North Carolina State Center for Health and Environmental Statistics, (1996-).
- (39) Member: Ad Hoc Advisory Committee to the National Youth Risk Behavioral Survey, Centers for Disease Control (1996).

- (40) Member: Advisory Committee to the National Survey on Drug Use and Health (NSDUH), Substance Abuse and Mental Health Services Administration, National Health Services Administration, (1997-).
- (41) Member: Committee to Review the Social Security Administration's Disability Decision Process Research, National Academy of Sciences, National Research Council, (1997 – 2002).
- (42) Member, Publication Committee for *Standard Definitions: Final Disposition of Case Codes and Outcome Rates for RDD Telephone Surveys and In-Person Household Surveys*, The American Association for Public Opinion Research (1997-1998).
- (43) Chair, Subcommittee on the Disability Evaluation Study Design, Committee to Review the Social Security Administration's Disability Decision Process Research, National Academy of Sciences, National Research Council, Institute of Medicine, (1997 – 2002).
- (44) Member: Committee on National Statistics (CNSTAT), National Academy of Sciences, National Research Council, (1998 – 2004).
- (45) Member: UNC School of Public Health's Committee to Plan the Institute for Public Health, (1998 – 1999).
- (46) Representative to the ASA Council on Sections, Section for Survey Research Methods, American Statistical Association, (2000 – 2002)
- (47) Member: Committee on DHHS Collection of Race and Ethnicity Data, National Academy of Sciences, National Research Council, (2002 – 2004).
- (48) Member, Board of Scientific Counselors, National Center for Health Statistics, (2003-2007).
- (49) Chair: Committee on the Review of the National Institute of Safety and Health/Bureau of Labor Statistics Respirator Use Survey Program, National Academy of Sciences, National Research Council, (2005 – 2007).
- (50) Chair: NCH Board of Scientific Counselors' Panel to Review the National Health and Nutrition Examination Survey, (2008 – 2009)
- (51) Co-Chair (with Candace Kruttschnitt): Committee on Measuring Rape and Sexual Assault in Bureau of Justice Statistics Household Surveys, National Academy of Sciences, National Research Council, (2011 – 2013).

VIII. Teaching Activities

A. Student Committee Involvement: Doctoral Dissertations

	<u>Role</u>	<u>Student</u>	<u>Department</u>	<u>Year</u>	<u>Topic</u>
(1)	Co-Chair	Steven Cohen	Biostatistics	1978	Post-Censal Estimation for Small Areas
(2)	Member	Rudolf Jackson	Health Administration (UNC-CH)	1978	Determinants in Choosing Schools of Public Health by Students
(3)	Member	Deborah Watson	Biostatistics	1979	Case Ascertainment Models in Population Genetics
(4)	Member	Kevin O'Brien	Biostatistics	1981	Life Table Variances From Complex Samples
(5)	Member	Norman Carroll	Pharmacy (UNC-CH)	1981	Analysis of Administration of Retail Pharmacy Marketing Strategies
(6)	Chairman	Ophelia Mendoza	Biostatistics	1982	Variances of Indirect Estimators From Complex Survey Data
(7)	Chairman	Camilla Brooks	Biostatistics	1982	Double Sampling Total Survey Error Models
(8)	Member	Lisa Kammerman	Biostatistics	1984	Effect of Falsification and Nonresponse in Randomized Response Estimation
(9)	Member	Ralph Folsom	Biostatistics	1984	Variance Components Analyses in Complex Sampling Designs
(10)	Member	Jerri Pomerantz	Zoology (NCSU)	1985	Relationship of Knowledge About and Attitudes Towards Animals in Children
(11)	Chairman	Anne Clemmer	Biostatistics	1985	Assessment of Measures of Intracluster Correlation
(12)	Member	Rick Williams	Biostatistics	1988	Invariance of U-Statistics in Finite Population Sampling
(13)	Member	Ali Barakat	Biostatistics	1989	Nonparametric Nearest Neighbor Test for Homogeneity
(14)	Chairman	Emelita DeLeon-Wong	Biostatistics	1989	Regression Imputation for Nonresponse

	<u>Role</u>	<u>Student</u>	<u>Department</u>	<u>Year</u>	<u>Topic</u>
(15)	Member	Steven Ciesielski	Parasitology & Laboratory Practice (UNC-CH)	1989	Survey of Parasite Infestation Among Migrant Farm Workers
(16)	Member	Paul A. Flyer	Biostatistics	1989	Finite Population Correction for Replication Estimates of Variance
(17)	Chairman	Frank Potter	Biostatistics	1990	Effects and Weight Smooth- in Survey Analysis
(18)	Chairman	Virginia M. Lesser	Biostatistics	1992	A Comparison of Periodic Survey Designs Employing Multi-Stage Sampling
(19)	Member	M. Chaudhary	Biostatistics	1995	Aymptotic Inference from Unequal Probability, Multi-Stage Samples
(20)	Member	Rachel Garshick Kleit	City and Regional Planning (UNC-CH)	1997	Housing, Social Networks, and Access to Opportunity
(21)	Member	Paula Kantor	City and Regional Planning (UNC-CH)	1997	Determinants of Women's Quality of Opportunity in Business
(22)	Member	Lauren McCormack	Health Policy and Administration (UNC-CH)	1999	Consumer Assessment of Health Plans for Medicare
(23)	Member	Vanessa Speight	Environmental Sciences and Engineering (UNC-CH)	2000	Development of a Randomized Sampling Methodology for Characterization of Drinking Water Quality in Distribution Systems
(24)	Member	Michelle Davis	Epidemiology	2001	Predictors of Current Contraceptive Status
(25)	Member	Jianmin Wang	Biostatistics	2002	Unequal Probability Sampling Strategies with Application to Adolescent Health Studies
(26)	Member	Zhiying Pan	Biostatistics	2003	Regression Analysis for Complex Longitudinal Survey Data
(27)	Member	Karen Cooper	PH Leadership/ Nutrition	2005	Working Together in Partnerships

	<u>Role</u>	<u>Student</u>	<u>Department</u>	<u>Year</u>	<u>Topic</u>
(28)	Member	Quoc C. Nguyen	Epidemiology	2010	Sexual Behavior Among Vietnamese Men at High Risk
(29)	Co-Chair (Biemer)	Marcus Berzovsky	Biostatistics	2012	Assumptions and Validating Models in Latent Class Analysis

B. Student Committee Involvement: Master's Theses

	<u>Role</u>	<u>Student</u>	<u>Department</u>	<u>Year</u>	<u>Topic</u>
(1)	Advisor	Seth Steinberg	Biostatistics	1980	Optimum Stage Allocation for Surveys in Developing Countries
(2)	Advisor	Ava McDaniel	Biostatistics	1982	Data Collection System for NC HomeHealth Care Agencies
(3)	Advisor	Aues Scek	Biostatistics	1982	Sampling Errors for the Somalia Demographic Survey
(4)	Advisor	Ali Barakat	Statistics (UNC-CH)	1982	Simple Estimator of Intraclass Correlation
(5)	Advisor	Wendene Foran	Biostatistics	1982	Comparison of Software to Do Analysis of Data from Surveys with Complex Sampling Designs
(6)	Reader	Melinda Flock	Biostatistics	1983	Analysis of U.S. Survey of Births
(7)	Advisor	Nancy Lucas	Statistics (UNC-CH)	1984	Taylor Series Variance Estimation in Epidemiologic Surveys
(8)	Advisor	Stuart Lipsitz	Biostatistics	1985	Estimating Intraclass Correlation
(9)	Advisor	Nellie Hansen	Biostatistics	1988	Assessment of Measured Response Probabilities
(10)	Reader	Glen Davies	Biostatistics	1988	Comparison of Analytical Methods for Analysis of Complex Survey Data
(11)	Advisor	Rebecca Parker	Biostatistics	1988	Sampling Strategies for Migrant Farm Workers
(12)	Advisor	Linda Sanders	Biostatistics	1989	An Application of Network Sampling to the Problem of Surveying Pregnant Women

	<u>Role</u>	<u>Student</u>	<u>Department</u>	<u>Year</u>	<u>Topic</u>
(13)	Advisor	Rosalie Dominik	Biostatistics	1989	An Assesment of Weight Trimming on Data from a Household Survey in Honduras
(14)	Advisor	Katherine Desmond	Biostatistics	1990	The Medicare Catastrophic Coverage Act: A Survey of the Elderly
(15)	Advisor	Phillip Simmons	Biostatistics	1991	Interviewer Variance in BRFSS Samples
(16)	Advisor	Peggy Hastie	Biostatistics	1991	Standardization Using BRFSS Data
(17)	Advisor	Jill Dever	Biostatistics	1992	Cost-Efficiency Survey Design in Physician Surveys
(18)	Advisor	Pao-Wen Liu	Biostatistics	1992	Assessment of Survey Designs for Conducting Childhood Immunization Studies
(19)	Advisor	Martha Manciewiz	Biostatistics	1994	Sampling Prenatal Care Providers from a Frame of Physicians
(20)	Advisor	Todd Durham	Biostatistics	1995	Nonresponse and Its Effects in a Followup Telephone Survey of Low Income Women
(21)	Advisor	David Coole	Biostatistics	1995	Behavioral Risk Factor Surveillance System Question Sequence Study
(22)	Advisor	Scott Joens	Biostatistics	1996	Cost-Effectiveness and Advance Mailings in a Telephone Followup Survey
(23)	Advisor	Shelley Brock	Biostatistics	1996	Contagion Effects of a Nutrition Intervention Study of African Americans
(24)	Advisor	Joe Mauney	Biostatistics	1997	Unintentional Cross-Over Effect in Community Intervention Studies
(25)	Advisor	Katherine Bowman	Biostatistics	1997	Mean and Range Quality Control Monitoring of Interviewer Variance in the BRFSS
(26)	Advisor	Wendy Ahmed	Biostatistics	1998	An Analysis of Call History Data from the Behavioral Risk Factor Surveillance System

	<u>Role</u>	<u>Student</u>	<u>Department</u>	<u>Year</u>	<u>Topic</u>
(27)	Advisor	Dawn Odom	Biostatistics	1999	Process Effects on Telephone Calling Outcomes in the Behavioral Risk Factor Surveillance System
(28)	Advisor	Brian Sutton	Biostatistics	1999	An Assessment of Process Indicators in a Statewide Survey of High School Sports Injury
(29)	Advisor	Kennan Beckett	Biostatistics	1999	Third Phase Analysis of Call History Data from the Behavioral Risk Factor Surveillance System
(30)	Advisor	Joanna Wang	Biostatistics	2000	Wave 2 In-Home Nonresponse Bias Components from the Add Health Study
(31)	Advisor	Sarah Taraska	Biostatistics	2001	Design Issues for the North Carolina Longitudinal Study
(32)	Advisor	Benjamim Vaughn	Biostatistics	2001	Comparison of MSE Implications Using Weighting Class and Response Propensity Models
(33)	Advisor	Carolyn Morris	Biostatistics	2001	Wave 1 In-Home Nonresponse Bias Components from the Add Health Study
(34)	Advisor	Jim Schaefer	Biostatistics	2001	Gauging the Effect of Design Features for a Survey of Veterans Administration Patient Satisfaction Survey
(35)	Advisor	Walter Boyle	Biostatistics	2003	Sample Allocation Optimization for a Two-Stratum Model for Oversampling in Two-Stage Sampling
(36)	Advisor	Leela Aertker	Biostatistics	2006	Assessing Response Propensities as a Means to Evaluate Error Effects Due to Nonresponse
(37)	Advisor	Allison Deal	Biostatistics	2007	Sample Design Issues for Rapid Response Surveys within BRFSS
(38)	Co-Advisor	Kevin Brown	Biostatistics	2008	Assessment of Sampling Methods the Number of Civilian Casualties in War Zones
(39)	Advisor	Aaron Jones	Biostatistics	2009	Effects of Altered Propensity on Nonresponse Bias
(40)	Advisor	Malcolm Jefferson	Biostatistics	2012	Multiplicity-Based Estimates of Hidden Homeless Count in Los Angeles County

C. Semester and Short Courses

- (1) Student Assistant: Applied Statistics Training Institute, University of Michigan. One-week continuing education workshop in basic statistics for health professionals; 1972.
- (2) Instructor: BIOS 664 (Introduction to Sample Survey Methods, Formerly BIOS 164), University of North Carolina. One semester course in the design of sample surveys, taught each year and covering elementary sampling theory, sample design, nonsampling error, and analysis of data from complex samples; each year 1979-2011.
- (3) Co-Instructor (with Dennis Gillings): Short course in Survey Methods, University of North Carolina. One-week continuing education course in sampling and survey methods for health professionals; 1979, 1981, 1982.
- (4) Instructor: BIOS 764 (Advanced Sample Survey Methods, formerly BIOS 264), University of North Carolina. One semester course covering advanced topics in sampling theory and survey methods with emphasis on the application of PPS sampling, nonsampling errors, and variance estimation from complex samples; 1979, 1981, 1984, 1989, 1991, 1993, 1995, 1997, 2000, 2003, 2005, 2007, 2009.
- (5) Co-Instructor: Summer Program for Foreign Statisticians, Sociology 621, University of Michigan. Workshop on sampling techniques following a case-study from a household survey in Somalia; 1985.
- (6) Instructor: Two-Day Short-Course on Basic Sampling Methods, Centers for Disease Control, Atlanta, Georgia. Covered sampling theory for several well-known approaches to probability sampling; 1986-1988, 1990- 2015.
- (7) Instructor: Two-Day Short-Course on Applied Sampling, Centers for Disease Control, Atlanta, Georgia. Covered three case-studies in the design and analysis of sample surveys; 1986-1988, 1990- 2016.
- (8) Instructor: Two-Day Short-Course on Basic Sampling Methods, National Institute for Occupational Safety and Health. Covered sampling theory for several well-known approaches to probability sampling; 1994 (Cincinnati), 1999, 2001 (Pittsburgh), 2012 (Morgantown).
- (9) Instructor: Two-Day Short-Course on Applied Sampling, National Institute for Occupational Safety and Health. Covered three case-studies in the design and analysis of sample surveys; 1994 (Cincinnati), 1995 (Morgantown), 2000 (Pittsburgh).
- (10) Co-Instructor: BIOS 240 (Current Topics in Sample Survey Research), University of North Carolina. One-semester course covering the current literature on the theory of survey error and ways to deal with it. 1986.
- (11) Guest Lecturer: Epidemiology 160 (Principles of Epidemiology), University of North Carolina. Lecture on sampling and survey methods. 1987, 1988, 1989, 1990, 1991, 1992.
- (12) Guest Lecturer: Health Behavior/Health Education (HBHE) 250 (Evaluation and Research Methods in Health Education). Lecture on sampling methods and design strategies. 1982, 1989; on sample size, precision, and power 2005.
- (13) Co-Developer (with Linda L. Sanders, and William Foard): Computer program called "SAMPLE," which empirically demonstrates some of the principles of sampling and sample design for introductory courses in survey sampling, 1989-1995.
- (14) Co-Instructor (with Mitchell Karpman): One-Day Short-Course on the Use of SUDAAN for Survey Data Analysis, US Government Accounting Office, Washington, DC. 1990.
- (15) Guest Lecturer: Epidemiology 218 (Introduction to Infectious Disease Epidemiology), University of North Carolina. Lecture on sampling and survey methods. 1992.

- (16) Co-Instructor: Half-Day Short-course on Analysis of Data from Complex Surveys, North Carolina State Center for Health and Environmental Statistics. 1992.
- (17) Guest Lecturer: PUBH (Leadership Seminar IV), University of North Carolina, Combining practice and faculty role at UNC. 1994.
- (18) Co-Instructor. One-Day Short-Course on Nonsampling Error in Surveys, Washington (DC) Statistical Society, 1994; CDC Methodology Conference (Washington) 2005.
- (19) Instructor: Two-and One-Half-Day Short-Course on Basic Sampling Methods, Applied Statistics Training Institute (ASTI), National Center for Health Statistics. Covered sampling theory for several well-known approaches to probability sampling; 1994, 1995, 1996.
- (20) Instructor: Two-Day Short-Course on Nonsampling Error in Surveys, Centers for Disease Control, Atlanta, Georgia. Covered sources, effects, and remedies for survey error due nonresponse, measurement problems, and faulty sampling frames, 1997-2016.
- (21) Guest Lecturer: Biostatistics 250 (Advanced Techniques in Biometry), University of North Carolina. Lecture on nonresponse error in population-based samples. 1999.
- (22) Lecturer: Spring Advanced Analytic Methods Seminar, Department of Epidemiology, University of North Carolina. Lectures on sample design and the analysis of data from complex samples. 2000.
- (23) Instructor: Carolina Population Center, University of North Carolina. Half-day short-course on sample design and the analysis of data from complex samples. 2001.
- (24) Guest Lecturer: CPHAR Program, Institute on Aging, University of North Carolina. Introduction to survey research methods. 2003.
- (25) Guest Lecturer: BIOS 162, University of North Carolina. Introduction to sampling methods. 2004, 2005.
- (26) Instructor: Two-Day Short-Course on Questionnaire Design in Surveys, Centers for Disease Control, Atlanta, Georgia. Conceptual, research, and practical aspects of the design and assessment of survey questionnaires: 2012-2016.