

CURRICULUM VITA

MARTA S. MENDIONDO, Ph.D.
October 2007

Present Position

Assistant Professor, Regular Title Series, College of Public Health, University of Kentucky

Addresses

Office

207 A Sanders-Brown Center on Aging
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Home

1359 Strawberry Lane
Lexington, KY 40502
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Education

Buenos Aires National University (UBA), Argentina
Computador Científico [Computer Scientist], December 1971

Boston University, Massachusetts
Masters of Applied Science: January 1977
Major Field: Computer Science

University of Kentucky, Lexington, Kentucky
Masters in Statistics: May 1990
PhD in Statistics: May 1997, Title: "Approximation of Infinite-Dimensional Linear Programming Problems"

Professional Certifications

ABR in Radiation Therapy: Board Certified in Therapeutic Radiological Physics, American College of Radiology, June 1982.

Human Subjects Protection Education: ORI, University of Kentucky, May 2001 and CITI, November 2006

Professional Advancement

American Statistical Association Continuing Education, Regression Graphics: Ideas for Studying Regressions through Graphs, course taken August 1999.

SAS Institute, SAS Web Tools: Static and Dynamic Solutions Using SAS/IntrNet Software, course taken May 2000

Psychometric Workshop, Friday Harbor, WA. August 2004

Psychometric Workshop, Friday Harbor, WA. August 2005

Circles of Power, Women's Leadership Program, University of Kentucky, 2007 - 2008

Research Interests

My main research interests center on the application of statistical methodology and study design to problems encountered in the areas of Alzheimer's Disease, ALS, Elder Abuse and Guardianship, Smoking, Community Medicine, Quality of Life Measures, and the analyses of existing surveys as well as the design, administration, and analyses of new surveys. Methods for tracking disease progression, assessing health risks, missing data, and small area estimation are some of the areas that I work on.

Professional Experience

1968-1970	Numerical Analyst, University of Buenos Aires, Argentina
1970-1971	Teaching Assistant, Department of Mathematics. University of Buenos Aires, Argentina
1972-1973	Instructor, Department of Mathematics. University of Buenos Aires, Argentina
1969-1973	Radiation Dosimetrist, National Commission of Atomic Energy, Argentina
1974-1978	Senior Radiation Dosimetrist, Massachusetts General Hospital, Boston

1978-1983 Medical Physicist, Department of Radiation Medicine, University of Kentucky Medical Center
 1982 Part-Time Instructor, Department of Mathematics, University of Kentucky
 1984-1989 Medical Physicist, Lexington Clinic, Lexington, Kentucky
 1988 Statistics Consulting Lab, University of Kentucky
 1990-1993 Medical Physicist, Central Kentucky Radiation Oncology Center, Lexington, (part-time)
 1991 Part-Time Instructor in Mathematics, Lexington Community College
 1991-1994 Teaching Assistant, Department of Statistics, University of Kentucky
 1994-1995 Project Statistician for the Kentucky Health Interview and Examination Survey (KHIES) 1993,
 Cabinet for Human Resources, Department for Health Services
 1995 Full-Time Instructor in Statistics, University of Kentucky
 1996-1997 Teaching Assistant, Department of Statistics, University of Kentucky
 1997-1998 Postdoctoral Scholar, Biostatistics and Data Management Core, Alzheimer's Disease Research
 Center, Sanders-Brown Center on Aging, University of Kentucky
 1998 Part-Time Instructor in Statistics, University of Kentucky
 1998-2000 Postdoctoral Scholar, Biostatistics, Program Project Grant: Brain Oxidation in the Pathogenesis of
 AD (partially supported by minority supplement) Sanders-Brown Center on Aging, University of
 Kentucky
 2000 Part-Time Instructor in Statistics, University of Kentucky
 2000-2002 Statistician and Data Manager (Scientist III), Sanders-Brown Center on Aging, University of
 Kentucky
 2002-2005 Assistant Professor, Research Title Series, Kentucky School of Public Health, University of
 Kentucky
 2005- Assistant Professor, Regular Title Series, College of Public Health, University of Kentucky

Honors

2004-2005 Wethington Award
 2005-2006 Wethington Award
 2006 ASA Award for Outstanding Service and Leadership
 2008 University of Kentucky Fellow

RESEARCH

PUBLICATIONS

Articles in Refereed Journals

1. Goitein, M., Wittenberg, Mendiondo, M., et al. (1979). The value of CT Scanning in Radiation Therapy Treatment Planning: A Prospective Study. *Int. Journal of Radiation Oncology Biol. Phys.* Vol. 5, 1787-1798.
2. Coffey, C.W., Beach, J.L., Thompson, D., Mendiondo, M.S. (1980). X-ray Beam Characteristics of the Varian Clinac 6-100 Linear Accelerator. *Medical Physics*, Vol.7, 716-722.
3. Beach, J.L., Mendiondo, M.S., & Mendiondo, O.A. (1987). A comparison of air-cavity inhomogeneity effects for cobalt-60, 6- and 10-MV x-ray beams. *Medical Physics*, Vol 14, 140-144.
4. Beach, J.L., Mendiondo, M.S., & Blue, J.W. (1993). Air Cavity Perturbation of a Clinical p(42)Be Neutron Beam. *Medical Physics*, Vol 20, 404-406.
5. Mendiondo, M.S. & Stockbridge, R.H. (1998). Approximating Linear Programming Problems which arise in Stochastic Control. *Proceedings of the 37th Conference on Decision and Control, Tampa, Florida*, December, 2341-2346.
6. Mendiondo, M.S. & Stockbridge, R.H. (1998). Approximation of Infinite-Dimensional Linear Programming Problems which arise in Stochastic Control. *SIAM Journal on Control and Optimization*, Vol. 36, 1448-1472.
7. Mendiondo, M.S., Schmitt, F.A., Ashford, J.W., & Kryscio, R.J. Modeling Mental Status Changes Using the CERAD Data. *Statistics in Medicine*, Vol 19, 1607-1616, 2000.
8. Mendiondo, M.S., Ashford, J.W., Kryscio, R.J., Schmitt, F.A. (2000). Modeling mini mental state examination changes in Alzheimer's disease. *Stat Med*, 19(11-12), 1607-1616.
9. Ashford, J.W., Shih, W.J., Coupal, J.J., Shetty, R., Aleem, A., Stipp, V., Mendiondo, M.S., & Schmitt, F.A. (2000). Single SPECT measures of Cerebral Cortical Blood Flow Reflect Time Index Estimation of Dementia Severity in Alzheimer's Disease. *Journal of Nuclear Medicine*, Vol 41, 57-64.
10. Mendiondo, M.S., Kryscio, R.J., & Schmitt, F.A. (2001). Models of progression in AD: Predicting disability and costs. *Neurology*, 57, 943-944.
11. Stockbridge, R.H. & Mendiondo, M.S. (2002). Long Term Average Cost with Cost Based on the Local Time of a Diffusion. *Markov Processes and Controlled Markov Chains*, 425-441.
12. Gaugler, J.E., Mendiondo, M.S., Smith, C.D., Schmitt, F.A. (2003). Secondary dementia caregiving and its consequences. *American Journal of Alzheimer's Disease and Other Dementias*, 18(5).
13. Mendiondo, M.S., Ashford, J.W., Kryscio, R.J., Schmitt, F.A. (2003). Designing a brief Alzheimer screen (BAS). *Journal of Alzheimer's Disease*, 5(5), 391-407.
14. Gaugler, J., Wackerbarth, S.B., Mendiondo, M., Schmitt, F.A., & Smith, C.D. (2003). The characteristics of dementia caregiving onset. *American Journal of Alzheimer's Disease*, 18(2), 97-104.
15. Kryscio, R.J., Mendiondo, M.S., Schmitt, F.A., Markesbery, W.R. (2004). Designing a large prevention trial: statistical issues. *Statistics in Medicine*, 23(2), 285-296.
16. Gaugler, J.E., Anderson, K.A., Leach, C.R., Smith, C.D., Schmitt, F.A., Mendiondo, M.S. (2004). The emotional ramifications of unmet need in dementia caregiving. *American Journal of Alzheimer's Disease and Other Dementias*, 19(6), 369-380.
17. Kasarskis, E.J, Dempsey-Hall, L., Malley Thompson, M., Chi Luu, L., Mendiondo, M., Kryscio, R. (2005). Rating the severity of ALS by caregivers over the telephone using the ALSFRS-R. *Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders*, 6 (1), 50-54.
18. Gopalraj, R.K., Zhu, H., Kelly, J.F., Mendiondo, M.S., Pulliam, J.F., Bennett D.A., Estus, S. (2005). Genetic Association of low density lipoprotein receptor and Alzheimer's Disease. *Neurobiology of Aging*, 26, 1-7.
19. Small, G.W., Kaufer, D., Mendiondo, M.S., Quarg, P., Speigel, R. (2005). Cognitive performance in Alzheimer's disease patients receiving rivastigmine for up to 5 years. *International Journal of Clinical Practice*, 59(4), 473-477.
20. Kasarskis, E.J., Tandan, R., Mitsumoto, H., Simmons, Z., Bromberg, M., Matthews, D., Mendiondo, Kryscio, R. (2006). Modeling energy expenditure in ALS: A Prospective longitudinal study. *Amyotrophic Lateral Sclerosis*, 7 (Suppl 1), 30.
21. Swanberg, J.E., Kanatkar, T., Mendiondo, M.S., McCoskey, M. (2006). Caring for Our Elders: A Contemporary Conundrum for Working People. *Families in Society*, 87(3), 417-429.
22. Bottiggi, K.A., Salazar J.C., Yu, L., Caban-Holt, A., Ryan, M., Mendiondo, M.S., Schmitt, F.A. (2006). Long-Term Cognitive Impact of Anticholinergic Medications in Older Adults. *American Journal of Geriatric Psychiatry*, 14(11), 980-984.

23. Kryscio, R.J., Schmitt, F.A., Salazar, J.C., Mendiondo, M.S., Markesbery, W.R. (2006). Risk factors for transitions from normal to mild cognitive impairment and dementia. *Neurology*, 66(6), 828-832.
24. Schmitt, F.A., Mendiondo, M.S., Kryscio, R.J., Ashford, J.W. (2006). A brief Alzheimer's Screen for Clinical Practice. *Research and Practice in Alzheimer's Disease and Cognitive Decline*, 11, 290-293.
25. Espinosa, P.S., Mendiondo, M.S., Kryscio, R.J., Smith, C.D., Wekstein, D., Markesbery, W.R., Schmitt, F.A. (2006). Alzheimer's Disease and Head Circumference. *Journal of Alzheimer's Disease*, 9(1), 77-80.
26. Salazar, J.C., Schmitt, F.A., Yu, L., Mendiondo, M.S., Kryscio, R.J. (2007). Shared Random Effects Analysis of Multi-state Markov Models: Application to a Longitudinal Study of Transitions to Dementia. *Statistics in Medicine*, 26(3),568-80.
27. Tyas, S.L., Salazar, J.C., Snowdon, D.A., Desrosiers, M.F., Riley, K.P., Mendiondo, M.S., Kryscio, R.J. (2007). Tyas et al. respond to "predictors of rate change in disease progression." *American Journal of Epidemiology*, 165 (11), 1247.
28. Tyas, S.L., Salazar, J.C., Snowdon, D.A., Desrosiers, M.F., Riley, K.P., Mendiondo, M.S., Kryscio, R.J. (2007). Transitions to mild cognitive impairments, dementia, and death: Findings from the Nun study. *American Journal of Epidemiology*, 165 (11), 1231-1238.
29. Kryscio, R.J., Schmitt, F.A., Mendiondo, M.S., Markesbery, W.R. (2007) Hypertension as a risk factor for transitions from normal to dementia or mild cognitive impairment. In Vellas, B., Fitten, L.J., Feldman, H., Giacobini, E., Grundman, M., Winblad, B., Kurz, A. (Eds), *Research and Practice in Alzheimer's Disease and Cognitive Decline Volume 12* (pp. 139-143). Paris: Serdi.
30. Tyas, S.L., Salazar, J., Snowdon, D., Desrosiers, M., Riley, K., Mendiondo, M.S., Kryscio, R. (2007). Response to Invited Commentary:Tyas et al. Respond to "Predictors of Rate of Change in Disease Progression". *American Journal of Epidemiology*, 165(11), 1247.
31. Ramsey-Klawnsnik, H., Teaster, P.B., Mendiondo, M.S., Abner, E.L., Cecil, K.A., Tooms, M.R. (2007). Sexual abuse of vulnerable adults in care facilities: Clinical findings and a research initiative. *Journal of the American Psychiatric Nurses Association*, 12(6), 332-339.
32. Teaster, P.B., Ramsey-Klawnsnik, H., Mendiondo, M.S., Abner, E.L., Cecil, K.A., Tooms, M.R. (2007). From behind the shadows: A profile of sexual abuse of older men residing in nursing homes. *Journal of Elder Abuse and Neglect*, 19(1/2), 29-46.
33. Curd, P.R., Jessa, P., Mendiondo, M.S., Yu, L. (In Press). Do Rural Hospitals Promote Community Health as Much as their Urban Counterparts? Results of a Kentucky Hospital Survey. *The Journal of Rural Health*.
34. Nelson, P.T., Jicha, G.A., Schmitt, F.A., Liu, H., Davis, D.G., Mendiondo, M.S., Abner, E.L., Markesbery, W.R. (2007). Clinicopathological Correlations in a Large Alzheimer's Disease Center Autopsy Cohort: Neuritic Plaques and Neurofibrillary Tangles 'Do Count' when Staging Disease Severity. *Journal of Neuropathological Experimental Neurology*, 66(12):1136-1146
35. Ramsey-Klawnsnik, H., Teaster, P., Mendiondo, M., Marcum, J. & Abner, E. (2008). Sexual predators who target elders: Findings from the first national study of sexual abuse in care facilities. *Journal of Elder Abuse & Neglect*, 20 (4).
36. Espinosa, P.S., Salazar J.C., Yu L., Mendiondo M. S., Robertson W.C., Baumann R.J. Lack of Valproic Acid Associated Weight Gain in Pre-Pubral Children. (2008) *Pediatric Neurology*, 39(3):177-180
37. Nelson, P.T., Kryscio, R.J., Abner, E.L , Schmitt, F.A., Jicha, G.A., Mendiondo, M.S.,Cooper, G.,Smith C. B.,Markesbery, W.R. (2009). Acetylcholinesterase Inhibitor Treatment is Associated with Relatively Slow Cognitive Decline in Patients with Alzheimer's Disease and AD + DLB. *Journal Alzheimer's Disease* 16(1), 1387-2877.
38. Nelson, P.T., Abner, E.L , Schmitt, F.A., Kryscio, R.J.,Jicha, G.A., Smith C. B., Davis D. G., Poduska, J. W., Patel, E.,Mendiondo, Markesbery, W.R. (2009). Modeling the Association between 43 Different Clinical and Pathological Variables and the Severity of Cognitive Impairment in a Large Autopsy Cohort of Elderly Persons. *Brain Pathology* [Epub ahead of print 2008]

Books

Teaster, P.B, Wood, E.; Schmidt, W., Lawrence, S.A., Mendiondo, M. (under contract). *Public guardianship after 25 years: In the best interest of incapacitated people?* Praeger Publishing Company.

Technical Reports

National Reports (Peer-Reviewed)

1. Teaster, P.B., Dugar, T.D., Otto, J.M., Mendiondo, M.S., Abner, E.L., Cecil, K.A., Tooms, M.R. (2007). *The 2004 survey of state Adult Protective Services: Abuse of vulnerable adults*. Report to the National Center on Elder Abuse, Administration on Aging, Washington, D.C., 40p.
2. Teaster, P.B., Otto, J.M., Dugar, T.D., Mendiondo, M.S., Abner, E.L., Cecil, K.A. (2006). *The 2004 survey of state Adult Protective Services: Abuse of adults 60 years of age and older*. Report to the National Center on Elder Abuse, Administration on Aging, Washington, D.C., 45p.

National Reports (Non-Peer-Reviewed)

1. Teaster, P.B., Wood, E.F., Karp, N, Lawrence, S.A., Schmidt, W., Mendiondo, M.S.. *Wards of the state: A national study of public guardianship*. Report funded by The Retirement Research Foundation, 169p.2005.
2. Teaster, P.B., Mendiondo, M.S., Schmidt, W., Marcum, J. Florida Public Guardian Programs: An evaluation of program status and outcomes. June 2009.

State Reports (Non-Peer-Reviewed)

1. Finger, R., Mendiondo, M.S., Stapleton, M., Spears, E. Kentucky Health Interview and Examination Survey. June 1995.
2. Teaster, P.B., Wood, E.F., Karp, N., Lawrence, S.A., Schmidt, W.C., Mendiondo, M.S. Wards of the State: A National Study of Public Guardianship. April 2005.
3. Hopenhayn, C., Mendiondo, M.S., Christian, J., Christian, A., BRFSS Small Area Analysis Project. April 2009.
4. Teaster P. B., Wong W., Grace J., Mendiondo, M.S., Wangmo T., Blandford C., Fisher S. A Week in the Life of APS in the Commonwealth of Kentucky. May 2009.

Manuscripts in Preparation

Abner, E.L., Mendiondo, M.S., Kryscio, R.J., Schmitt, F.A. Vitamin E and all-cause mortality: A meta-analysis of randomized, controlled trials. Submitted to *Annals of Internal Medicine*.

Espinosa, P. S, Espinosa, P.H., Mendiondo, M.S., Basantes, A.G., Abner, E. L., Schmitt, F.A., Velez, R.M., Jicha, J.A., Echeverría, G.A., Suárez, F. O., Galvin, J.E, Smith, C.D., Kryscio, R.J. Detecting Dementia in Ecuador Using the AD8 and CDR Evaluations.

Mendiondo, M.S., Teaster, P.B., Abner, E.L., Cecil, K.A., Marcum, J.S., Ramsey-Klawnsnik, H. Using Statistical Methods to Determine Factors Critical to Substantiating APS Investigation of Elder Abuse - JEAN

Mendiondo, M.S., Abner, E.L., Kryscio, R.J., Grundman, M., Schmitt, F.A,. Risk factors for transitions from normal to mild cognitive impairment and dementia.

Alexander, L.A., Mendiondo M.S., Demographic, Social and Occupational Influences on Quitting Behaviors of Menthols Smokers.

Mendiondo M.S., Alexander, L.A., Health Risk Profiles of Menthol Versus Non Menthols Smokers.

Abdu, A., Bada, H.S., Granger, D.T., Reynolds E.W., Mendiondo M.S., Incidence and Causes of Hospital Acquired Sepsis & Meningitis in a Neonatal Intensive Care Unit: A 10-year Experience

Abstracts

1. Mendiondo, M.S., Ashford, A.W., Kryscio, R.J., Smith, C.D., Schmitt, F.A. (2002). A short clinic screening test for Alzheimer's disease. *Neurobiol Aging* 23:Suppl.1, 541.
2. Mendiondo, M.S. (2004) Discriminating usual cognitive aging from Alzheimer's disease: a statistical and normative approach to the CERAD cognitive assessment. *Neurobiol Aging* 25:Suppl.2, 131.
3. Kryscio, R.J., Salazar, J.C., Yu, L., Mendiondo, M.S., Schmitt, F.A. (2005). Modeling clinical change from normal aging to MCI, Dementia, and Death. *Alzheimer Dement* 1: Suppl. 1, S34.
4. Runyons, C.R., Schmitt, F.A., Caban-Holt, A., Kryscio, R.J., Mendiondo, M.S., Markesbery, W.R. (2005). Antioxidants for the prevention of dementia. Overview of the PREADVISE trial. *Alzheimer Dement* 1: Suppl.1, S74.
5. Schmitt, F.A., Mendiondo, M.S., Kryscio, R.J., Ashford, J.W. (2005) A brief Alzheimer's screen for use in clinical practice. *Alzheimer Dement* 1: Suppl. 1, S89.
6. Caban-Holt, A., Mendiondo, M.S., Markesbery, W., Kryscio, R., Schmitt, F. (2006). Minority Participation in the PREADVISE Trial: Relevant Characteristics. *Alzheimer Disease & Associated Disorders*, 20(Suppl2),S101.
7. Caban-Holt, A., Mendiondo, M.S., Runyons, C.R., Kryscio, R.J., Markesbery, W., Schmitt, F.A. (2006). Cognitive Screening in the Antioxidant AD Prevention (PREADVISE) Trial: Concordance of MIS and CERAD. In Iqbal, K., Bengt, W., Avila, J. (Eds.), *Alzheimer's Disease: New Advances* (pp. 49-53). Bologna, Italy: Medimond.
8. Mendiondo, M.S., Kryscio, R.J., Schmitt, F.A. Antioxidant use at enrollment predicts transitions from normal to amnesic MCI and dementia. 10th International Conference on Alzheimer's Disease and Related Disorders, Madrid, Spain. July 2006.
9. Caban-Holt, A., Schmitt, F.A., Runyons, C.R., Kryscio, R.J., Mendiondo, M.S., Sundquist, M.S., et al. (2006). Studying the effects of Vitamin E and Selenium for Alzheimer's disease prevention. In Vellas, B., Fitten, L.J., Feldman, H., Giacobini, E., Grundman, M., Winblad, B., Kurz, A. (Eds), *Research and Practice in Alzheimer's Disease and Cognitive Decline Volume 11* (pp. 124-130). Paris: Serdi.
10. Bottiggi, K., Mendiondo, M., Mattingly, M., Smith, C., Cooper, G., Jicha, G., Schmitt, F.A. The influence of literacy of cognitive functioning in unimpaired older adults, mild cognitive impairment, and dementia. Epidemiology of Alzheimer's Disease Conference, University of San Diego, CA. April 2006.
11. Teaster, P.B., & Ramsey-Klawnsnik, H., Mendiondo, M.S., Abner, E.A., Cecil, K.A., Marcum, J., & Tooms, M.R. (2007, November). Substantiated reports of the sexual abuse of vulnerable adults residing in nursing homes. Gerontological Society of America, San Francisco, CA.
12. Mendiondo, M.S., Statistical Issues in the study of dementia screening - *The Gerontologist* 2007,47 (1) 648
13. Ashford, J.W, Boorson, S., Bushke, H., Frank, L., Mendiondo, M.S., Screening for Memory Problems and Dementia in Clinical Practice, American Journal of Geriatric Psychiatry, 2009 AAGP Annual Meeting

GRANT SUPPORT

- | | |
|---------------------|---|
| 09/30/97 – 07/14/06 | <i>Alzheimer's Disease Research Center</i>
PI: William Markesbery, MD Agency: NIA |
| 12/01/97 – 01/31/08 | <i>Oxidative Stress in Alzheimer's Disease</i>
PI: William Markesbery, MD Agency: NIA |

05/01/99 – 04/30/00	<i>PPG Minority Supplement</i> PI: William Markesbery, MD Agency: NIA
09/30/01 – Present	<i>Prevention of Alzheimer's Disease by Vitamin E and Selenium</i> PI: William Markesbery, MD Agency: NIA
09/15/02 – 05/31/06	<i>Urokinase-Type Plasminogen Activator and Alzheimers Disease</i> PI: George Estus, PhD Agency: NIA
12/01/03 – 03/30/05	<i>Wards of the State: A Study of Public Guardianship Programs in Seven Jurisdictions</i> PI: Pamela Teaster, PhD Agency: Retirement Research Foundation
03/01/04 – 09/30/06	<i>Understanding Elder Abuse: The 2004 National Survey of Adult Protective Service Administrators</i> PI: Pamela Teaster, PhD Agency: NCPEA
04/15/04 – 03/31/08	<i>The Sexual Abuse of Vulnerable Adults in Institutions</i> PI: Pamela Teaster, PhD Agency: NIA
07/01/04 – 06/30/05	<i>NACC Data Consortium</i> PI: William Markesbery, MD Agency: University of Washington
08/01/04 – 11/30/09	<i>Early Treatment of ALS with Nutrition and NIPPV</i> PI: Edward Kasarskis, PhD Agency: NINDS
06/01/05 – 03/31/06	<i>A Double-blind, Trial of TempurPedic vs. Standard Mattresses for Agitation in Alzheimer's Disease</i> PI: Frederick Schmitt, PhD Agency: TempurPedic Medical Inc
07/01/05 – 06/30/06	<i>African-American Churches' Role in Tobacco Norm Change: Innovative, Developmental, and Exploratory (IDEA) Grant</i> PI: Linda Alexander, PhD Agency: Health Education Council
07/01/05 – Present	<i>National Alzheimer's Coordinating Center (NACC) –</i> PI: William Markesbery Agency: University of Washington
07/15/06 – Present	<i>Alzheimer's Disease Core Center</i> PI: William Markesbery, MD Agency: NIA
09/01/07 – 08/31/09	<i>Telemedicine Assessment of Cognition in Rural Kentucky: the TACK Study</i> PI: Gregory Jicha, MD Agency: Alzheimer's Association
09/01/07 – 08/31/09	<i>A Week in the Life of Adult Protective Services</i> PI: Pamela Teaster, PhD Agency: Kentucky Department for Families and Health
07/29/08 – 02/27/09	<i>Evaluation of Florida's Public Guardianship Program</i> PI: Marta Mendiondo, PhD Agency: Florida Department of Elder Affairs
08/01/08 – 04/01/09	<i>BRFSS Small Area Analysis</i> PI: Claudia Hopenhayn Agency: Kentucky Department for Public Health

TEACHING EXPERIENCE

COURSES (Graduate =G, Undergraduate = U)

- 1970 – 1973 Department of Mathematics and Computer Science, University of Buenos Aires:
Numerical Analysis (U)
- 1982 Department of Mathematics, University of Kentucky
MA 108 Intermediate Algebra (U)
- 1991 Department of Mathematics, Lexington Community College
MA 112 Trigonometry (U)
- 1991 – 1998, 2000 Department of Statistics, University of Kentucky
STA 281 Probability and Statistics Using Interactive Computer Techniques (U)
STA 291 Statistical Methods (U)
STA 320 Introductory Probability (U)
STA 322 Statistical Methods in Nonparametric Inference and Survey Sampling (U)
STA 570 Basic Statistical Analysis (G)
- 2002 – Present College of Public Health, University of Kentucky
STA 580 Biostatistics I (half semester covering for absent faculty) (G)
CPH 535 Data Management and SAS Programming (G)
CPH 631 Design and Analysis of Health Surveys (G)
CPH 632 Mixed Models in Public Health (G)
CPH 738 Categorical Data Analysis – Sp Topics (G)
CPH 931 Professional Seminar in Biostatistics (G)
- 2008 Research Renaissance - Series of round table presentations for two senior faculty members of the CPH in statistical methodology applied to their research.

OTHER TEACHING ACTIVITIES

Committees

Masters/Capstone

- 2002 Davis Potter, Master of Public Health, "Sampling Designs and the Behavioral Risk Factor Surveillance System"
- 2003 Alisa Bowersock, Master of Public Health, "Kentucky Adolescent Sexual Health Assessment: A Review of Kentucky's School Curricula and Health Outcomes," Committee Member
- 2004 Adwoa Boahene, Master of Public Health, "Food Security: Is Supermarket Access Associated with Pregnancy Outcome?," Committee Member
- 2004 Shulin Dong, Master of Public Health, "The Role of Radiotherapy in Improving Survival in Patients with Small Cell Lung Cancer," Committee Member
- 2004 Rondeen Gordon, Master of Public Health, "Is Suicide More Likely in Older Adults with a Chronic Disease or Mental Illness?," Committee Member
- 2004 Mei Zhang, Master of Public Health, "Factors Associated with TVS Screening Adherence", Committer Member
- 2006 Erin Abner, Master of Public Health, "Vitamin E and All-Cause Mortality: A Meta-Analysis of Randomized Controlled Trials", Chair. Submitted for publication, see under publications for details.

- 2006 Fawwaz Al Aloul, "Examination of the Validity of the Medical Outcome Study (MOS) Social Support Survey using Confirmatory Factor Analysis", Committee Member
- 2006 Carmen Saylor, Master of Public Health, "Analysis of Factors Related to Illegal Sales of Tobacco to Minors in Kentucky," Committee Member
- 2007 Andrew Kinch, Master of Public Health, "Kentucky's Male AIDS Population: The Challenges Facing a Predominately Rural State," Committee Member
- 2007 Maya McDoom, Master of Public Health, "Patient and Caregiver Evaluation in a Hospice Setting Utilizing the Social worker Assessment Tool"
- 2008 Kathy Fleming, Master of Public Health, "Determining the Impact of Family Resource and Youth Service Center Outreach on Medicaid and/or KCHIP"
- 2008 Tennis Sugg, Master of Public Health, "Comparing Premature Motor Neuron Disease Mortality Rates from Jefferson County, Kentucky to National, Regional, and Local Expected Frequencies"
- 2008 Venkata Putti, Master of Public Health, "Evaluation of Four Global Positioning System (GPS) Devices for Exposure Assessment Studies"
- 2008 Mary Tooms, Master of Public Health, "A Study of Gender Differences in the Alleged Sexual Abuse of Young Vulnerable Adults Residing in Institutions"
- 2008 Louis Covell, Master of Public Health, "Comparing Premature Motor Neuron Disease Mortality Rates from Jefferson County, Kentucky to National, Regional, and Local Expected Frequencies"
- 2009 Monica Clouse, Master of Public Health, "Investigation of the Correlates and Effectiveness of a Prison Based Wellness Program"
- 2009 Robert Clemons, Master of Public Health, "Factors Affecting Follow-up Diagnostic Testing for Women Having Abnormal Screenings Mammograms and/or Pap"
- 2009 Dazar Seidu, Master of Public Health, "Access to Medical Home among Kentucky's Children with Special Health Care Needs: Analysis from the 2005-2006 National Survey of Children with Special Health Care Needs"
- In progress Capstone committee Chair for Margaret Healey
- In progress Capstone Committee Chair for Roshni Matnani
- In progress Capstone Committee Member for Steven Wells

Doctoral Dissertations

- 2008 Svetla Slavova, Department of Statistics, Committee Member
- 2008 Lei Yu, Department of Statistics, Committee Member

In progress Dissertation Committee Member for Myra Huffman, College of Education, Rehabilitation Sciences,

DrPH Student Advisor

2006 – Present Tiago Souza – Fulbright Scholar

Medical Fellowship Scholarly Oversight Committee – Neonatal ICU

- 2008 – 2009 Abdu Bada, MD
- 2009 – 2010 Tonia Reid, MD

AHRQ K02 Grant Application

2008 Love, Margaret, PhD

Student Practicum Supervisor

- 2005 – 2006 Erin Abner (with Dr. Richard Clayton)
- 2005 – 2006 Carmen Saylor (with Dr. Pamela Teaster)
- 2005 – 2006 Margaret Healey
- 2007 Louis J. Covell (with Dr. Edward Kasarskis)

Research Assistant Supervisor

2000 – 2001	Pamela Lancaster (MS Statistics)
2001 – 2002	Rebecca D'Angelo (MS Statistics)
2002 – 2003	Matt Barker (PhD. Statistics)
2003 – 2005	Juan Carlos Salazar (PhD Statistics)
2004 – 2006	Erin Abner (MPH)
2005 -- 2007	Lei Yu (PhD Statistics)
2005 – 2006	Rhonda VanDyke
2006 – 2007	Liou Xu (MS Statistics)
2006 – 2008	Jennifer Marcum (DrPH)
2007 – 2009	Maria Melguizo (MS Statistics)
2008 – 2009	Caitlin Blandford
2008 – 2009	Roshni Matnani (MPH)
2009 – Present	Tim Crawford (PhD Epidemiology and Biostatistics)

Student Supervisor

These students, while supported by collaborative grants, learn data management and statistical skills.

T. J Sugg,
Carmen Saylor
Margaret Healey
Robert Wells
Denver Wells
Maria Gomez
Jay Covell
Nwamaka Okafor

University Presentations

Missing Data Seminar - Organized and presented half the lectures in a semester-long faculty seminar for the University of Kentucky Department of Statistics. Other lectures were presented by other faculty members of the department, 2002.

Managing a Clinical Database Kryscio, R.J., Mendiondo, M.S.. Special Topics Forum presentation, UK Medical Center K30 Program, February, 2004.

Understanding the Statistics when reading an article – Mendiondo M.S. – Presentation to Department of Ophthalmology Residents – 2008.

Public Briefing

Teaster, P.B., Otto, J.M., Dugar, T.D., Mendiondo, M.S., Abner, E.L., Cecil, K.A. The 2004 survey of state Adult Protective Services: Abuse of adults 60 years of age and older. (2006, February). National Center on Elder Abuse. Dierksen Building, Washington, D.C.

PROFESSIONAL DEVELOPMENT AND SERVICE

DEPARTMENT, COLLEGE, AND UNIVERSITY SERVICE

University of Kentucky Committees

Department of Biostatistics – College of Public Health

2007 – 2009 Chair, New PhD Program in Epidemiology and Biostatistics
PhD in Epidemiology and Biostatistics and MS in Epidemiology approved by University Senate in May 2009

College of Public Health

Admissions Committee	Member, July 2002 – July 2005
Self Study Committee	Member, January 2003 – December 2004 (This committee prepared the documentation for CEPH College accreditation.)
By-Laws Committee	Member, 2003 - 2004 (This committee wrote the first by-laws for the College of Public Health.)
Faculty Council (elected)	Member, July 2003 – July 2005
Ad-hoc IT Search Committee	Member, 2004 – 2005
By-Laws Committee	Member, 2005
Research Committee	Member, July 2005 – July 2006
Employee of the Year Committee	Member, October 2005 – December 2005
Academic Affairs Committee	Chair, July 2006 - 2008
Ad-hoc Global Health Committee	Member, July 2006 to present
Ad-hoc MPH 42 Hour Committee	Member, 2006
Ad-hoc Search Committee for Assistant Dean of Students	Member, 2007
Ad-hoc Task Force in Student Advising Service Committee	Member, 2007 – 2008 Member, 2008 - 2009

University of Kentucky

Health Care Colleges Council (elected)	Alternate Member, July 2005 – July 2007
Health Care Colleges Council (elected)	Member, July 2007 – July 2009
University Senate (elected)	Member, 2007 – 2010
	Member, Academic Programs Committee, 2007 - 2008
	Chair, Academic Programs Committee, 2008-2009

College of Public Health Conferences

CPH Research Day	Scientific Section Moderator, 2005
College of Public Health Research Day	Co-Chair, 2006, 2007, 2008

Center for Clinical and Translational Science

Biostatistics Section	Member, 2007 - Present
Biomedical Information Section	Member, 2007 - Present
Conference PhD Mentor	Spring 2008, Fall 2008, Spring 2009

OTHER PROFESSIONAL ACTIVITIES

Professional Service

Kentucky Chapter ASA	Treasurer, 1997-2001
First Statistical Methodology in Alzheimer's Disease Research Conference	Steering Committee, 2000
International Science Fair Statistical Competition	Chair and Judge, 2002
KARIS Executive Committee	Member, 2004 -2006
Second Statistical Methodology in Alzheimer's Disease Research Conference	Steering Committee, 2004

Data Safety Monitoring Board for HIV PI Effects on Macrophage Cholesterol
(PI: Richard Greenberg)
Kentucky Chapter ASA
Kentucky Chapter ASA
Alzheimer's Foundation of America Memory Screening Advisory Board

Member, 2004
Secretary, 2005 – 2008
Treasurer, 2009 – Present
Member, 2007 - Present

Professional Societies

ASA (American Statistical Association)
ENAR (International Biometric Society Eastern North American Region)
APHA (American Public Health Association)
ACR (American College of Radiology)

EDITORIAL SERVICES

Editorships

Journal of Alzheimer's Disease, 2003 – Associate Editor

Manuscript Review

Journal of Elder Abuse and Neglect, 2007
Journal of Alzheimer's Disease, 2008
Biometrics, 2009

STATISTICAL DATA ANALYSIS SOFTWARE SKILLS

Expert SAS Programmer
Experience using several statistical packages: SPSS, S-Plus, SUDAAN, CART, nQuery and SOLAS