

John J. Lefante, Jr., Ph.D.

June 2021

## **CURRICULUM VITAE**

**John J. Lefante, Jr., Ph.D.**  
**Tulane University School of Public Health and Tropical Medicine**  
**Department of Biostatistics and Data Science**  
**1440 Canal Street 1610D**  
**New Orleans, Louisiana 70112-2699**  
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### **EDUCATION**

**Ph.D., 1981 (Statistics)**

Department of Biostatistics, University of Alabama in Birmingham, Birmingham, Alabama

**M.S., 1976 (Mathematics)**

University of New Orleans, New Orleans, Louisiana

**B.S., 1974 (Mathematics Education)**

University of New Orleans, New Orleans, Louisiana

### **PROFESSIONAL EXPERIENCE**

**July 2016 –present**

**Chair**

Department of Biostatistics and Data Science, Tulane University School of Public Health and Tropical Medicine, New Orleans, Louisiana

**January 2015-June 2019**

Associate Dean for Information Technology, Tulane University School of Public Health and Tropical Medicine  
New Orleans, Louisiana

**December, 2015 - present**

**Adjunct Professor**

Pennington Biomedical Research Center  
Baton Rouge, Louisiana

**July 2013 – December 2014**

**Director**

Academic Information Systems, Tulane University School of Public Health and Tropical Medicine

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New Orleans, Louisiana

**January 2011 –June 2016**

**Vice Chair**

Department of Biostatistics and Bioinformatics , Tulane University School of Public Health and Tropical Medicine, New Orleans, Louisiana

**November 2006 – December 2010**

**Chair**

Department of Biostatistics, Tulane University School of Public Health and Tropical Medicine, New Orleans, Louisiana

**August, 2005 – October 2006**

**Acting Chair**

Department of Biostatistics, Tulane University School of Public Health and Tropical Medicine, New Orleans, Louisiana

**July, 2005 - present**

**Professor of Biostatistics**

Department of Biostatistics, Tulane University School of Public Health and Tropical Medicine, New Orleans, Louisiana

**July, 2005 - present**

**Adjunct Professor of Medicine**

Department of Medicine, Section of Pulmonary, Critical Care, and Environmental Medicine, Tulane University School of Medicine, New Orleans, Louisiana

**January, 2007 - present**

**Adjunct Professor**

Department of Community Health Sciences, University of Southern Mississippi, Hattiesburg, Mississippi

**July, 1991 – June 2005**

**Associate Professor of Biostatistics**

Department of Biostatistics, Tulane University School of Public Health and Tropical Medicine, New Orleans, Louisiana

**July, 1991-June 2005**

**Adjunct Associate Professor of Medicine**

Department of Medicine, Section of Pulmonary, Critical Care, and Environmental Medicine, Tulane University School of Medicine, New Orleans, Louisiana

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**July, 1996 – June, 2003**

**Associate Professor of Health Systems Management**

Department of Health Systems Management, Tulane University School of Public Health and Tropical Medicine, New Orleans, Louisiana

**July, 1992 - present**

**Graduate Faculty**

Tulane University Graduate School,  
New Orleans, Louisiana

**June, 1987 - June, 1991**

**Research Associate Professor of Medicine**

Department of Medicine, Pulmonary Diseases Section, Tulane University School of Medicine,  
New Orleans, Louisiana

**June, 1987 - June, 1991**

**Adjunct Associate Professor of Biostatistics and Epidemiology**

Department of Biostatistics and Epidemiology, Tulane University School of Public Health and Tropical Medicine, New Orleans, Louisiana

**September, 1981 - May, 1987**

**Assistant Professor of Mathematics and Statistics**

Department of Mathematics and Statistics, University of South Alabama, Mobile, Alabama

**February, 1978 - August, 1981**

**Statistician**

Southeastern Cancer Study Group, University of Alabama in Birmingham, Birmingham,  
Alabama

## **HONORS AND AWARDS**

### **Teaching Awards**

1993 - Tulane School of Public Health and Tropical Medicine Excellence in Teaching Award.

1995 - Tulane School of Public Health and Tropical Medicine Excellence in Teaching Award.

1997 - Tulane School of Public Health and Tropical Medicine, Department of Health Systems Management: Masters of Medical Management Excellence in Teaching Award.

2001 - Tulane School of Public Health and Tropical Medicine Excellence in Teaching Award.

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2002 - Tulane School of Public Health and Tropical Medicine, Department of Health Systems Management: Executive Masters of Health Administration Excellence in Teaching Award.

2004 - Tulane School of Public Health and Tropical Medicine Excellence in Teaching Award.

2004 - Finalist- Tulane Senior Vice Presidents' Teaching Scholar Award.

2005 - Finalist- Tulane Senior Vice Presidents' Teaching Scholar Award.

### **Scholarly Honors**

1976 - Society of Industrial and Applied Mathematics Award.

1993 - Delta-Omega National Public Health Honor Society.

### **CONSULTANTSHIPS**

#### **National Committees and Panels:**

1. Statistical panel for the Gulf & South Atlantic Fisheries Development Foundation - reviewing the statistical design of a National Marine Fisheries Service Shrimp Trawl By-Catch Research Requirements Document (RRD). November, 1991, Miami Florida.
2. Information workshop on repatriated prisoners of war clinical data. Naval Aerospace Medical Institute, Pensacola, FL; June 8 - 10, 1992
3. Heart Lung and Blood Special Emphasis Panel RFP NIH-NHLBI-HC-97-10 Magnesium in Coronaries (MAGIC), NIH, Gaithersburg, Maryland; October 15-16, 1997
4. Louisiana Health and Population Survey. Louisiana Public Health Institute. July 2006 – December 2006.

#### **State Committees and Panels:**

1. Louisiana Health Data Advisory Panel, Louisiana Department of Health and Hospitals, Office of Public Health, Division of Health Information. December 1997.
2. Reviewer for Louisiana Turning Point Project, Louisiana Office of Public Health, Fall 1999.

## **PROFESSIONAL MEMBERSHIPS AND OFFICES**

American Statistical Association:  
American Public Health Association  
Academy Health  
Delta-Omega National Public Health Honor Society  
Offices: 1984-1986 - Secretary/Treasurer, ASA Alabama Chapter.  
1986-1987 - Vice-President, ASA Alabama Chapter

## **PUBLICATIONS**

### **Peer-reviewed publications**

1. Omura GA, Vogler WR, Lefante J, Silberman H, Knospe W, Gordon D, Jarrell R. Treatment of acute myelogenous leukemia: influence of three induction regimens and maintenance with chemotherapy or BCG immunotherapy. *Cancer*; 49(8):1530-1536, 1982.
2. Dennis D, Luterman A, Ramenofsky M, Lefante J, Curreri PW. Does PVP-iodine interfere with wound healing? *Infections in Surgery*; 2(5):371-374. 1983.
3. Smalley RV, Bartolucci AA, Moore M, Vogel C, Carpenter J, Perez CA, Velez-Garcia E, Marcial V, Lefante JJ, Wittliff J, Ketcham AA, Durant J. Southeastern Cancer Study Group: Breast cancer studies 1972-1982. *Int J Radiation Oncology Biol Phys*; 9(12):1867-1874, 1983.
4. Smalley RV, Lefante J, Bartolucci A, Carpenter J, Vogel C, Krauss S. A comparison of cyclophosphamide, adriamycin and 5-fluorouracil (CAF) and cyclophosphamide, methotrexate, 5-fluorouracil, vincristine, prednisone (CMFVP) in patients with advanced breast cancer. *Breast Cancer Research and Treatment*; 3(2):209-220, 1983.
5. Stein RS, Vogler WR, Lefante J. Failure of lithium to limit neutropenia significantly during induction therapy of acute myelogenous leukemia. A Southeastern Cancer Study Group study. *Am J Clin Oncol*; Aug;7(4):365-9, 1984.
6. Lefante JJ, Turner ME. The average likelihood and a fiducial approximation: one parameter members of the generalized gamma distributions. *Communications in Statistics: Theory and Methods*; A 14(2):419-436, 1985.
7. Lefante JJ, Shah AK. A note on the one sample t test. *Journal of Statistical Computation and Simulation*; 25:295-296, 1986.

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8. Mee RW, Shah AK, Lefante JJ. Comparing K independent sample means with a known standard. *Journal of Quality Technology*; 19(2):75-81, 1986.
9. Mishra SN, Shah AK, Lefante JJ. Overlapping coefficient: the generalized t approach. *Communications in Statistics: Theory and Methods*; A 15(1):123-128, 1986.
10. Lefante JJ, Inman HF. The generalized lambda distribution as a survival model: the generalized single hit model. *Mathematical Biosciences*; 83(2):167-177, 1987.
11. Shah AK, Lefante JJ. A note on using a hypothesis dependent variance estimate. *Journal of Statistical Computation and Simulation*; 4:347-349, 1987.
12. Smith CJ, Leggett AM, Lefante JJ. Allergic etiology of benign fibrocystic changes of the breast. *Medical Hypotheses*; 24:21-28, 1987.
13. Lefante J. The power to detect differences in average rates of change in longitudinal studies. *Stat in Med*; 9:437-446, 1990.
14. Glindmeyer H, Lefante J, Jones R, Rando R, Abdel-Kader H, Weill H. Exposure-related declines in lung function of cotton textile workers: relationship to current workplace standards. *Am Rev Respir Dis*; 144:675-683, 1991.
15. Wall M, Lefante J, Conway M. Variability of high pass resolution perimetry in normals and patients with idiopathic intracranial hypertension. *Invest Ophthalmol Vis Sci*; 32(12):3091-3095, 1991.
16. Rando R, Poovey H, Lefante J, Esmundo, F. Evaluation of 9-Methylamino-methylanthracene as a chemical label for total reactive isocyanate group: a comparison of mono- and di-isocyanate monomers. *Journal of Liquid Chromatography*; 16(18):3977-3996, 1993.
17. Glindmeyer H, Lefante J, Jones R, Rando R, Weill H. Cotton dust and across-shift change in FEV<sub>1</sub> as predictors of annual change in FEV<sub>1</sub>. *Am J Respir Crit Care Med*; 149:584-590, 1994.
18. Glindmeyer H, Lefante J, McColloster C, Jones R, Weill H. Blue-collar normative spirometric values for Caucasians and African-American men and women age 18-65. *Am J Respir Care Med*; 151:412-422, 1995.
19. Lefante J, Glindmeyer H, Weill H, Jones R. Adjusting FVC for the effect of obstruction. *Chest*; 110(2):417-421, 1996.

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20. Perez A, Lefante J. Sample size determination and the effect of censoring when estimating the arithmetic mean of a lognormal distribution. *Communications in Statistics: Theory and Methods*; 26(11):2779-2801, 1997.
21. Lefante JJ, Shah AK. Robustness Properties of Lognormal Confidence Intervals for Lognormal and Gamma Distributed Data. *Communications in Statistics: Theory and Methods*, 31(11), 1939-1957, 2002.
22. Glindmeyer H, Lefante J, Freyder L, Friedman M, Weill H, Jones R. Relationship of asthma to irritant gas exposures in pulp and paper mills. *Respiratory Medicine*, 97(5) 541-548, 2003.
23. Khader Y, Rice J, Lefante J. Factors associated with periodontal diseases in a dental teaching clinic population in northern Jordan. *Journal of Periodontology*. 74(11), 1610-1617, 2003.
24. Khader Y, Rice J, Lefante J, Abueita O. Oral contraceptives use and the risk of myocardial infarction: a meta analysis. *Contraception*, 68 (1), 11-17, 2003.
25. Vupputuri S, Batuman V, Muntner P, Bazzano L, Lefante J, Whelton, P, He J. Effect of blood pressure on early decline in kidney function among hypertensive men. *Hypertension*, 42 (6), 1144-1149, 2003.
26. Vupputuri S, Batuman V, Muntner P, Bazzano L, Lefante J, Whelton P, He J. The risk of mild kidney function decline associated with illicit drug use among hypertensive men. *Am J Kidney Diseases*;43(4):629-635, 2004
27. Harmon G, Lefante J, Roy W, Ashby K, Jackson D, Barnard D, Smart A, Webber L. Outpatient medication assistance program in a rural setting. *Am J Health Syst Pharm*, Mar 15;61 (6), 603-607, 2004.
28. Glindmeyer H, Lefante J, Rando, R, Freyder L, Hznido, E, Jones R. Spray-painting and chronic airways obstruction. *Am J Ind Med*. 46:104-111, 2004.
29. Vupputuri S, He J, Muntner P, Bazzano L, Lefante J, Whelton, P, Batuman V. Racial differences in the risk of early kidney function decline. *Ethnicity and Disease* (under review), 2004.
30. Lefante J, Harmon G Roy W, Ashby K, Barnard D, Webber L. Use of the SF-8 to Assess Health Related Quality of Life for a Chronically Ill, Low Income Population Participating in the Central Louisiana Medication Access Program (CMAP) Quality of Life Research, 14: 665-673, 2005.

31. Hnizdo E, Yu, L, Freyder L, Attfield, M, Lefante J, Glindmeyer H. Precision of longitudinal lung function measurements-monitoring and interpretation. *Occupational Environmental Medicine* 62: 695-701, 2005.
32. Lefante J, Harmon G, Roy W, Fontenot S, Brown K, Webber L. The effect of medication reviews in a rural community pharmacy assistance program-the CMAP program. *Journal of Pharmacy Practice*, 18 (6): 486-492, 2005.
33. Harmon G, Lefante J, Krousel-Wood M. Overcoming barriers: the role of providers in improving patient adherence to antihypertensive medications. *Current Opinion in Cardiology*. 21(4):310-315, 2006.
34. Naessens J, Culbertson R, Lefante J, Campbell C. When should a multicampus hospital be considered a single entity for public health reporting on patient safety issues? *Quality Management in Health Care*. 16 (2) : 153-165, 2007
35. Glindmeyer H, Rando R, Lefante J, Freyder L, Brisolara J, Jones R. Longitudinal respiratory health study of the wood processing industry. *American Journal of Industrial Medicine*, 51 (8) 595-609, 2008.
36. Naessens J, Campbell C, Huddleston J, Berg B, Lefante J, Williams A, Culbertson R. A comparison of hospital adverse events identifies by three widely used detection methods. *International Journal for Quality in Health Care* 2009 21: 301-307
37. Wu Q, Magnus J, Rice J, Lefante J. Does Using Lower Limit of Normal Normative Values Enhance the Ability of a Single Bone Mineral Density Measure to Predict Fractures? *Osteoporosis International*. *Osteoporosis International*. Published online, 2010. DOI 10.1007/s00198-009-1160-2.
38. Wu Q, Lefante J, Rice J, Magnus J. Age, Race, Weight and Gender Impact Normative Values of Bone Mineral Density. *Gender Medicine*; Vol. 8, No.3, 2011
39. Weill D, Dhillon G, Freyder L, Lefante J, Glindmeyer H. Lung Function, Radiologic Change and Exposure: Analysis of ATSDR Data from Libby, MT, USA. *European Respiratory Journal*, 2011 Aug; 38(2): 376-383.
40. Naessens J, Campbell C, Shah N, Berg B, Lefante J, Williams A, Culbertson R. Effect of illness severity and comorbidity on patient safety and adverse events. *American Journal of Medical Quality* 2011 DOI: 10.1177/1062860611413456
41. Tseng TS, Lin H, Lee J, Johnson CC, Lefante JJ, Chen T. The Most Opportune Times to Launch Population-Based Health Promotion Programs in Taiwan. *The International Journal of Science in Society*. 3(1), 191-204. 2012.



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42. Wasilevich E, Rabito F, Lefante J, Johnson E. Short-term Outdoor Temperature Change and Emergency Department Visits for Asthma Among Children: A Case-Crossover Study. *American Journal of Epidemiology*. 2012;176(7):123-130
43. Rando. RJ, Lefante, JJ, Freyder LM, Jones RN. Respiratory Health Effects Associated with Restoration Work in Post-Hurricane Katrina New Orleans, *Journal of Environmental and Public Health*, vol. 2012, Article ID 462478, 8 pages, 2012. doi:10.1155/2012/462478.
44. Rando. RJ, Lefante, JJ, Freyder LM, Jones RN. Respiratory Health and Flood Restoration Work in the Post-Katrina Environment. *Bioaerosols - 6th International Scientific Conference on Bioaerosols, Fungi, Bacteria, Mycotoxins in Indoor and Outdoor Environments and Human Health*. Johanning E, Morey PR, Auger P; Eds. Albany, NY: Fungal Research Group Foundation, Inc., 2012 ISBN: 978-0-9709915-0-8
45. Rando RJ, Kwon CW, Lefante JJ Exposures to Thoracic Particulate Matter, Endotoxin, and Glucan During Post-Hurricane Katrina Restoration Work, New Orleans 2005–2012, *Journal of Occupational and Environmental Hygiene*, 2014, 11:1, 9-18, DOI: 10.1080/15459624.2013.839879
46. Zhou YI, Lefante J, Rice J, Chen S. Using modified approaches on marginal regression analysis of longitudinal data with time-dependent covariates *Statistics in Medicine*. 2014 Aug 30;33(19):3354-64. doi: 10.1002/sim.6171. Epub 2014 Apr 9.
47. Arroyave WD, Rabito FA, Carlson JC, Sever ML, Lefante J. Asthma Severity, not asthma control, is worse in atopic compared to non-atopic adolescents with asthma. *Ann Allergy Asthma Immunol*. 2016 Jan;116(1):18-25. doi: 10.1016/j.anai.2015.10.015. Epub 2015 Nov 7. PubMed PMID: 26560898.
48. Price-Haywood EG, Dunn-Lombard D, Harden-Barrios J, Lefante JJ. Collaborative Depression Care in a Safety Net Medical Home: Facilitators and Barriers to Quality Improvement. *Popul Health Manag*. 2016 Feb;19(1):46-55. doi: 10.1089/pop.2015.0016. Epub 2015 Jun 18.
49. Price-Haywood EG, Amering S, Luo QJ, Lefante JJ. Clinical Pharmacist Team-Based Care in a Safety Net Medical Home: Facilitators and Barriers to Chronic Care Management. *Popul Health Manag*. 2017 Apr;20(2):123-131. doi: 10.1089/pop.2015.0177. Epub 2016 Apr 28.
50. Zhou QQ, Verne ML, Fields JZ, Lefante JJ, Basrat S, Salameh H, Verne GN. Randomised placebo-controlled trial of dietary glutamine supplements for postinfectious irritable bowel syndrome. *Gut* 2018;0:1–7. doi:10.1136/gutjnl-2017-315136
51. Liu YZ, Saito S, Morris GF, Milller CA, Lefante JJ. Proportions of resting memory T cells and monocytes in blood have prognostic significance in idiopathic pulmonary fibrosis. *Genomics*. 2019 Dec;111(6):1343-1350. doi: 10.1016/j.ygeno.2018.09.006. Epub 2018 Sep 24.
52. Lu HC, Pollack H, Lefante JJ, Mills AA, Tian D. Altered sleep architecture, rapid eye movement (REM) sleep, and neural oscillation in a mouse model of human chromosome 16p11.2 microdeletion. *Sleep*. 2018 Dec 12. doi: 10.1093/sleep/zsy253. [Epub ahead of print]

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53. Allard C, Bonnet F, Xu B, Coons L, Albarado D, Hill C, Fagherazzi G, Korach KS, Levin ER, Lefante J, Morrison C, Mauvais-Jarvis F, Activation of hepatic estrogen receptor- $\alpha$  increases energy expenditure by stimulating the production of fibroblast growth factor 21 in female mice, *Mol Metab.* 2019 Apr; 22: 62–70. Published online 2019 Feb 14. doi: 10.1016/j.molmet.2019.02.002.
54. Kosek MN, Peñataro-Yori P, Paredes-Olortegui M, Lefante J, Ramal-Asayag C, Zamora-Babilonia M, Meza-Sanchez G, Oberhelman RA. Safety of *Lactobacillus reuteri* DSM 17938 in Healthy Children 2 to 5 Years of Age. *Pediatr Infect Dis J.* 2018 Dec 10. doi: 10.1097/INF.0000000000002267. [Epub ahead of print]
55. Alkhatib AL, Kreniske J, Zifodya JZ, Fonseca V, Tahboub M, Khatib J, Denson JL, Lasky JA, Lefante JJ, Bojanowski CM. BMI is Associate with Coronavirus Disease 2019 Intensive Care Unit Admission in African Americans. *Obesity*, VOL 28, Num 10, October 2020.
56. Davis R, Xiong X, Althabe F, Lefante J, Cafferata ML, Mwenechanya M, Mwanakalanga FH, Chomba E, Buekens P. Factors associated with HIV and syphilis screenings among pregnant women at first antenatal visit in Lusaka, Zambia. *BMC Res Notes.* 2020; 13: 423. Published online 2020 Sep 7. doi: 10.1186/s13104-020-05266-0
57. Perry LM, Walsh LE, Horswell R, Miele L, Chu S, Melancon B, Lefante J, Blais CM, Rogers JL, Hoerger M. Racial Disparities in End-of-Life Care Between Black and White Adults With Metastatic Cancer. *J Pain Symptom Manage.* 2020 Sep 15:S0885-3924(20)30744-2. doi: 10.1016/j.jpainsymman.2020.09.017. Epub ahead of print. PMID: 32947018.
58. Price-Haywood EG, Burton J, Harden-Barrios J, Bazzano A, Lefante J, Shi L, Jamison RN. Depression, anxiety, pain and chronic opioid management in primary care: Type II effectiveness-implementation hybrid stepped wedge cluster randomized trial. *Contemporary Clinic Trials*, Vol 101, 106250, Feb. 01, 2021. Published:December 14, 2020DOI:<https://doi.org/10.1016/j.cct.2020.106250>

### Proceedings of national/international meetings

1. Lefante JJ, Shah AK. A note on the one sample t test. *Proceedings of the International Symposium on Statistics*; 2:191-193, 1986.
2. Lefante J, Hughes J, Jones R, Weill H. An analysis of x-ray reader agreement: Do five readers significantly increase reader variability? *Proceedings of the Seventh International Pneumoconioses Conference*; 1:482-486, 1990.
3. Perez A, Lefante J. How much sample size is required to estimate the true arithmetic mean of a lognormal distribution? *American Statistical Association Proceedings of the Section on Statistics and the Environment*; 111-115. 6, 1996.
4. Hernandez-Molinar R, Lefante J. Heavy tail estimation using upper order statistics for Truncated Weibull, Generalized Pareto and Lognormal distributions. *Proceedings of the*

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Conference - Applications of Heavy Tailed Distributions in Economics, Engineering, and Statistics. American University, Washington, D.C., June 3-5, 1999. Co-sponsored by the Institute of Mathematical Statistics and the American Statistical Association. CD-ROM, 1999.

5. Lefante JJ, Shah AK. Robustness Properties of Confidence Intervals on the Parameters of the Lognormal Distribution. American Statistical Association Proceedings of the Section of Statistics and the Environment; 56-61. 2000
6. Lefante JJ, Shah AK. Robustness Properties of Lognormal Confidence Intervals when applied to Weibull Data. American Statistical Association Proceedings of the Section of Statistics and the Environment; CD-ROM. 2001

### **Published abstracts**

1. Vogel CL, East DR, Lefante J, Smalley RV. Alternating cytoreductive and cycle active chemotherapy in patients with "poor risk" patterns of metastatic breast cancer: a randomized Southeastern Cancer Study Group protocol. Proceedings of AACR/ASCO; 21: abstract C-358. 1980.
2. Vogler WR, Winton EF, Gordon DS, Jarrell R, Lefante J. A phase III trial comparing BCG, cytosine arabinoside and daunorubicin for maintenance therapy in acute myeloblastic leukemia. Second International Conference, Immunotherapy of Cancer: Present Status of Trial in Man, April, 1980.
3. Bertrand M, Presant CA, Denes A, Bartolucci A, Lefante J. Randomized trial of 6-thioguanine (TG) vs 5-fluorouracil (FU) in colorectal carcinoma. Proceedings of AACR/ASCO; 22:abstract C-493. 1981.
4. Presant CA, Bearman R, Bartolucci A, Lefante J. Randomized study of 13 cisretinoic acid (RA) plus busulfan (B) or B alone in chronic phase chronic granulocytic leukemia (CGL). Proceedings of AACR/AACO; 22:abstract C-609. 1981.
5. Smalley RV, Lefante J, Bartolucci A. CAF vs CMFVP in patients with advanced breast cancer. Proceedings of AACR/ASCO; 22:abstract C-435. 1981.
6. Smalley RV, Lefante J, Bartolucci A. Multivariate prognostic factor analysis - advanced breast cancer chemotherapy. Proceedings of AACR/ASCO; 22:abstract 579. 1981.
7. Smalley RV, Lefante J, Liu C, Bartolucci A. Multivariate prognostic factor analysis evaluating dose received in patients with advanced breast cancer treated with doxorubicin combination. Breast Cancer Research and Treatment. 1(1):162, 1981.

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8. Stein RS, Vogler WR, Lefante J. Failure of lithium to limit neutropenia during induction therapy of acute myelogenous leukemia (AML). Proceedings of AACR/ASCO 1981; 22:abstract C-357.
9. Velez-Garcia E, Moore M, Marcial V, Lefante J, Ketcham A, Smalley R. Adjuvant short and long-term chemotherapy (CRx) radiotherapy (RT) in stage II breast cancer - the SECSG experience. Breast Cancer Research and Treatment. 1(1):176, 1981.
10. Vogel C, Lefante J, East D, Rogers B, Smalley R. Cyclophosphamide adriamycin and 5-fluorouracil (CAF) alternating with a cycle-active regimen in metastatic breast cancer: a randomized SECSG trial. Proceedings of AACR/ASCO; 22:abstract C-417, 1981.
11. Vogler WR, Winston EF, Gordon DS, Jarrell R, Lefante J. Prognostic factors affecting remission induction and duration in adult myelogenous leukemia (AML). Proceedings of AACR/ASCO; 22:abstract C-600. 1981.
12. Vogler WR, Winston EF, Gordon DS, Lefante J, Rainey M. A randomized trial of post-remission therapy in acute myeloid leukemia. Proceedings of ASCO; 1:abstract C-535.1981.
13. Sindel LS, Baliga BS, Jenkins LD, Lefante JJ, Mankad VN. Vitamin E deficiency in sickle cell disease. Results of supplementation. Pediatric Research, 20(4): 287, 1986.
14. Glindmeyer HW, Lefante JJ, Jones RN, Weill H. Estimating true and total variance in annual change in lung function. Am Rev Respir Dis; 137(4):256. 1988.
15. Glindmeyer H, Lefante J, Jones R, Weill H. FEV1 annual change: effects of excluding nonrepeatable data. Am Rev Respir Dis ; 141(4):328.1990.
16. Glindmeyer H, Lefante J, Jones R, Abdel-Kader H, Weill H. Dust-potency and dose-response relationships derived from a longitudinal study of lung function in the cotton textile industry. Am Rev Respir Dis ; 141(4):590. 1990.
17. O'Neil C, Lefante J, Jones R, Glindmeyer H, Abdoh A, Weill H. The effect of atopy and work area on pre-post work shift changes in FEV1 in cotton and synthetic fiber textile mill workers. Am Rev Respir Dis ; 141(4):590. 1990.
18. Wall M, Lefante J, Conway M. High pass resolution perimetry: test-retest variability in normals and pseudotumor cerebri. Invest Ophthalmol Vis Sci ; 31(4):190. 1990.
19. Hammad Y, Abdel-Kader H, Bozelka B, Lefante J, Reynolds C. Dose-response relationships in pneumoconioses. Proceedings of the Seventh International Pneumoconioses Conference; 1:170. 1990.

20. O'Neil C, Lefante J, Glindmeyer H, Jones R, Weill H. Interaction of atopy and smoking on annual change in lung function in cotton and synthetic fiber textile mill workers. *Am Rev Respir Dis*; 143(4):102.1991.
21. Glindmeyer H, Lefante J, Rando R, Jones R, Weill H. Working shift and acute and chronic effects of cotton dust exposure. *Am Rev Respir Dis* ; 145(4):326. 1992.
22. Glindmeyer H, Lefante J, McColloster C, Jones R, Weill H. Normative spirometric values derived from a working population of black and white men and women. *Am Rev Respir Dis*; 147(4):371. 1992.
23. Lefante J, Glindmeyer H, Jones R, Weill H. FVC adjustment in restriction to compensate for FVC reductions due to obstruction. *Am Rev Respir Dis*; 147(4):902. 1993.
24. Glindmeyer H, Lefante J, Jones R, Freyder L, Weill H. Asthma and the effect of irritant chemical exposures on lung function. *Am J Respir Crit Care Med*; 149(4):398. 1994.
25. Lefante J, Glindmeyer H, McColloster C, Jones R, Rando R, Weill H. Longitudinal effects of acute irritant chemical exposure incidents. *Am J Respir Crit Care Med*; 149(4):397. 1994.
26. Glindmeyer H, Lefante J, Jones R, Weill H. Effects of cigarette smoking and smoking cessation on lung function. *Am J Respir Crit Care Med* ; 151(4):98.1995.
27. Lefante J, Glindmeyer H, McColloster C, Jones R, Rando R, Weill H. Additional follow-up of longitudinal effects of acute irritant chemical exposure incidents. *Am J Respir Crit Care Med*; 151(4):420.1995.
28. Glindmeyer H, Lefante J, Freyder L, Jones R, Weill H. Further investigation of effects of cigarette smoking and smoking cessation on lung function. *Am J Respir Crit Care Med*; 153(4):101. 1996.
29. Perez A, Lefante J. Exact sample size and the effect of censoring for estimating the arithmetic mean of a lognormal distribution. *J Clin Epid*; Vol 50, Supplement 1:38S. 1997.
30. Glindmeyer H, Lefante J, Freyder L, Jones R, Weill H. Relative rate of new onset asthma among workers exposed to irritant chemicals. *Am J Respir Crit Care Med*; 155(4):258. 1997.
31. Glindmeyer H, Lefante J, Freyder L, Gibbs J, Polinar J, Jones R. Effect of age and smoking on black lung disability evaluations. *Am J Respir Crit Care Med*; 157(3):145.1998.

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32. Glindmeyer H, Lefante J, Freyder L, Polinar J, Filan J, Weill H, Jones R. Effect of irritant gassings on annual change in lung function. *Am J Respir Crit Care Med*;159(3):236. 1999.
33. Glindmeyer H, Rando R, Lefante J, Freyder, L. , Hinzdo E, Friedman, M, Jones R M.D. Isocyanate-based spray-paint exposure and change in lung function\_ *Am J Respir Crit Care Med*; 167(7):839. 2003.
34. Shafer LA, Rice J, Myers L, Lefante J, Todd J. Comparison of methods in regression analysis with correlated data. *Controlled Clinical Trials*; 24:208, 2003.
35. Glindmeyer H, Freyder L, Yu L, Lefante J, Hnizdo E, Jones R. Occupational risk factors for airflow limitation in industrial workers. *Am J Respir Crit Care Med*. 2004.
36. Hnizdo E, Glindmeyer H, Freyder L, Yu L, Lefante J. Assessment of the precision and validity of longitudinal lung function data from workplace monitoring programs. *Am J Respir Crit Care Med* 2004.
37. D. Szwedo , A. Flowers , J. Lefante , N. Parada.187.1\_Emergency Department And Clinic Asthma Action Plans Reduce Emergency Department Visits For Asthma In A Public Teaching Hospital *Am J Respir Crit Care Med* May 09, 2013 doi:10.1164/ajrccm-conference.2013.187.1\_MeetingAbstracts.A4214

## **PRESENTATIONS**

### **Presentations at scientific/professional meetings**

1. Lefante JJ, Shah AK. A note on the one sample t test. International Symposium on Statistics, Barcelona, Spain, 1986 . (Presented by Shah)
2. Mishra SN, Shah AK, Lefante JJ. Overlapping coefficient: the generalized t approach. Biometric Society Eastern North American Region, March 1986, Raleigh, North Carolina. (Presented by Mishra)
3. Lefante JJ, Inman HF. The generalized lambda distribution as a survival model: the generalized single hit model, Joint Meetings of the American Statistical Association, the International Biometric Society, and the Institute of Mathematical Statistics. Chicago, Illinois. August 1986. (Presented by Lefante)
4. Inman HF, Lefante JJ. A parametric empirical Bayes approach to the analysis of exponential failure times. Joint Meetings of the American Statistical Association, the International

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Biometric Society, and the Institute of Mathematical Statistics. Chicago, Illinois. August 1986. (Presented by Inman)

5. Shah AK, Lefante JJ. A note on a hypothesis dependent variance estimate. Joint Meetings of the American Statistical Association, the International Biometric Society, and the Institute of Mathematical Statistics. San Francisco, California, August 1987. (Presented by Shah)
6. Glindmeyer HW, Lefante JJ, Jones RN, Weill H. Estimating true and total variance in annual change in lung function. American Thoracic Society/American Lung Association Annual Meeting, Las Vegas, Nevada, May 1988. (Poster Presentation)
7. Lefante J. The power to detect differences in average rates of change in longitudinal studies. Joint Meetings of the American Statistical Association, the International Biometric Society, and the Institute of Mathematical Statistics. New Orleans, Louisiana, August 1988. (Presented by Lefante)
8. Lefante J, Hughes J, Jones R, Weill H. An analysis of x-ray reader agreement: Do five readers significantly increase reader variability? Seventh International Pneumoconioses Conference, Pittsburgh, Pennsylvania, August 1988. (Presented by Lefante)
9. Hammad Y, Abdel-Kader H, Bozelka B, Lefante J, Reynolds C. Dose-response relationships in pneumoconioses. Seventh International Pneumoconioses Conference, Pittsburgh, Pennsylvania, August 1988. (Presented by Hammad)
10. Hammad Y, Abdel-Kader H, Bozelka B, Lefante J, Reynolds C. Calculation of the effective dose for fibrogenic aerosols. American Industrial Hygiene Conference, St. Louis, Missouri, May, 1989. (Presented by Hammad)
11. Abdel-Kader H, Lefante J, Rando R, Hammad Y. Comparative study between vertical elutriator and continuous aerosol monitor in the cotton textile industry. American Industrial Hygiene Conference, St. Louis, Missouri, May, 1989. (Presented by Abdel-Kader)
12. Glindmeyer H, Lefante J, Jones R, Weill H. FEV1 annual change: effects of excluding nonrepeatable data. American Thoracic Society/American Lung Association World Conference on Lung Health, Boston, Massachusetts, May 1990. (Poster Presentation)
13. Glindmeyer H, Lefante J, Jones R, Abdel-Kader H, Weill H. Dust-potency and dose-response relationships derived from a longitudinal study of lung function in the cotton textile industry. American Thoracic Society/American Lung Association World Conference on Lung Health Annual Meeting, Boston, Massachusetts, May 1990. (Poster Presentation)
14. O'Neil C, Lefante J, Jones R, Glindmeyer H, Abdoh A, Weill H. The effect of atopy and work area on pre-post work shift changes in FEV1 in cotton and synthetic fiber textile mill

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workers. American Thoracic Society/American Lung Association World Conference on Lung Health, Boston, Massachusetts, May 1990. (Poster Presentation)

15. Wall M, Lefante J. Variability of resolution perimetry in normals and patients with idiopathic intracranial hypertension. North American Neuro-Ophthalmological Society Meeting, February, 1991. (Presented by Wall)
16. O'Neil C, Lefante J, Glindmeyer H, Jones R, Weill H. Interaction of atopy and smoking on annual change in lung function in cotton and synthetic fiber textile mill workers. American Thoracic Society/American Lung Association International Conference, Anaheim, California, May 1991. (Poster Presentation)
17. Glindmeyer H, Lefante J, Rando R, Jones R, Weill H. Working shift and acute and chronic effects of cotton dust exposure. American Thoracic Society/American Lung Association International Conference, Miami, Florida, May 1992. (Poster Presentation)
18. Rando RJ, Lefante JJ. Assessing Respiratory use in exposure surveys: Chlorine as a paradigm for irritant gas exposure. American Industrial Hygiene Conference and Exposition, Boston, Massachusetts, May, 1992. (Presented by Roy)
19. Glindmeyer H, Lefante J, McColloster C, Jones R, Weill H. Normative spirometric values derived from a working population of black and white men and women. American Thoracic Society/American Lung Association International Conference, San Francisco, California, May 1993. (Poster Presentation)
20. Lefante J, Glindmeyer H, Jones R, Weill H. FVC adjustment in restriction to compensate for FVC reductions due to obstruction. American Thoracic Society/American Lung Association International Conference, San Francisco, California, May 1993. (Poster Presentation)
21. Rando R, Poovey H, Lefante J, Esmundo, F. Comparison of MOPIP and MAMA derivatizing agents for determination of airborne total reactive isocyanate group. American Industrial Hygiene Conference and Exposition, New Orleans, Louisiana, May 1993. (Presented by Rando)
22. Glindmeyer H, Lefante J, Jones R, Freyder L, Weill H. Asthma and the effect of irritant chemical exposures on lung function. American Thoracic Society/American Lung Association International Conference, Boston, Massachusetts, May 1994. (Poster Presentation)
23. Lefante J, Glindmeyer H, McColloster C, Jones R, Rando R, Weill H. Longitudinal effects of acute irritant chemical exposure incidents. American Thoracic Society/American Lung



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Association International Conference, Boston, Massachusetts, May 1994. (Poster Presentation)

24. Glindmeyer H, Lefante J, Jones R, Weill H. Effects of cigarette smoking and smoking cessation on lung function. American Thoracic Society/American Lung Association International Conference, Seattle, Washington, May 1995. (Poster Presentation)
25. Lefante J, Glindmeyer H, McColloster C, Jones R, Rando R, Weill H. Additional follow-up of longitudinal effects of acute irritant chemical exposure incidents. American Thoracic Society/American Lung Association International Conference, Seattle, Washington, May 1995. (Poster Presentation)
26. Glindmeyer H, Lefante J, Freyder L, Jones R, Weill H. Further investigation of effects of cigarette smoking and smoking cessation on lung function. American Thoracic Society/American Lung Association International Conference, New Orleans, Louisiana, May 1996. (Poster Presentation)
27. Perez A, Lefante J. How much sample size is required to estimate the true arithmetic mean of a lognormal distribution? Joint Meetings of the American Statistical Association, the International Biometric Society, the Institute of Mathematical Statistics, and the Statistical Society of Canada. Chicago, Illinois, August, 1996. (Presented by Perez)
28. Perez A, Lefante J. Sample size approximation for estimating the arithmetic mean of a lognormally distributed random variable with and without type I censoring. Free University XVIII International Biometric Conference, Amsterdam, The Netherlands, July, 1996. (Presented by Perez)
29. Perez A, Lefante J. Exact sample size and the effect of censoring for estimating the arithmetic mean of a lognormal distribution. International Clinical Epidemiology Network XIV Global Meeting, Penang, Malaysia, 1997. (Presented by Perez)
30. Glindmeyer H, Lefante J, Freyder L, Jones R, Weill H. Relative rate of new onset asthma among workers exposed to irritant chemicals. American Thoracic Society/American Lung Association International Conference, San Francisco, California, May 1997. (Poster Presentation)
31. Glindmeyer H, Lefante J, Freyder L, Gibbs J, Polinar J, Jones R. Effect of age and smoking on black lung disability evaluations. American Thoracic Society/American Lung Association International Conference, Chicago, Illinois, May 1998. (Poster Presentation)
32. Glindmeyer H, Lefante J, Freyder L, Polinar J, Filan J, Weill H, Jones R. Effect of irritant gassings on annual change in lung function. American Thoracic Society/American Lung

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Association International Conference, San Diego, California, May 1999. (Poster Presentation)

33. Hernandez-Molinar R, Lefante J. Heavy tail estimation using upper order statistics for Truncated Weibull, Generalized Pareto and Lognormal distributions. Applications of HeavyTailed Distributions in Economics, Engineering, and Statistics. The Institute of Mathematical Statistics and the American Statistical Association co-sponsored conference. American University, Washington, D.C., June 3-5, 1999. (Presented by Hernandez-Molinar)
34. Diaz R, Lefante J. Categorical analysis of change in disease stage adjusted for time to follow-up. Statistics: Reflections on the Past and Visions for the Future. An International Conference in Honor of Professor C.R. Rao on the Occasion of his 80<sup>th</sup> Birthday. San Antonio, Texas. March 2000.(Presented by Diaz)
35. Lefante JJ, Shah AK. Robustness Properties of confidence intervals on the parameters of the Lognormal Distribution. Joint Meetings of the American Statistical Association, the International Biometric Society, the Institute of Mathematical Statistics, and the Statistical Society of Canada. Indianapolis, Indiana, August 2000. (Presented by Lefante)
36. Lefante J, Shah A. Robustness properties of confidence intervals on the parameters of the lognormal distribution. International Conference on Statistics, Combinatorics, and Related Areas-7<sup>th</sup> International Conference of the Forum for Interdisciplinary Mathematics.. Bombay, India. December 2000. (Presented by Shah)
37. Lefante JJ, Shah AK. Robustness properties of Lognormal confidence intervals when applied to Weibull data. Joint Meetings of the American Statistical Association, the International Biometric Society, the Institute of Mathematical Statistics, and the Statistical Society of Canada. Atlanta, Georgia, August 2001. (Presented by Lefante)
38. Lefante J, Shah A. Robustness properties of Lognormal confidence intervals when applied to Gamma and Weibull data. International Conference on Statistics, Combinatorics, and Related Areas-8<sup>th</sup> International Conference of the Forum for Interdisciplinary Mathematics.. Wollongong, Australia. December 2001. (Presented by Shah)
39. Glindmeyer H, Rando R, Lefante J, Freyder, L. , Hinzdo E, Friedman, M,Jones R M.D. Isocyanate-based spray-paint exposure and change in lung function American Thoracic Society/American Lung Association International Conference, May 2003, Seattle, Washington. (Presented by Glindmeyer)
40. Lefante J, Harmon G, Ashby K, Barnard D, Webber L. Race and gender differences in SF-8 scores for a low income population in central Louisiana. 131<sup>st</sup> Annual Meeting of the American Public Health Association, November 2003. San Francisco, California. (Poster Presentation)

41. Harmon G, Lefante J, Ashby K, Barnard D, Jackson D, and Webber L. Change in hospital utilization after the initiation of a medication access program: The CMAP experience. Tulane University Health Sciences Day. April 2004. (Presented by Harmon)
42. Federici R, Harmon G, Roy W, Webber L, and Lefante J. Primary diagnosis as a predictor of ADL and IADL deficits for central Louisiana residents using a medication access program. Tulane University Health Sciences Day. April 2004. (Presented by Federici)
43. Glindmeyer H, Freyder L, Yu L, Lefante J, Hnizdo E, Jones R. Occupational risk factors for airflow limitation in industrial workers. American Thoracic Society/American Lung Association International Conference, Orlando, Florida, May 2004. (Poster Presentation)
44. Hnizdo E, Glindmeyer H, Freyder L, Yu L, Lefante J. Assessment of the precision and validity of longitudinal lung function data from workplace monitoring programs. American Thoracic Society/American Lung Association International Conference, Orlando, Florida, May 2004. (Poster Presentation)
45. Lefante J, Harmon G, Roy W, Fontenot S, Brown K, Webber L. Medication reviews and improving patient knowledge and compliance in the rural elderly: The CMAP program. The American Society of Health-System Pharmacists Midyear Clinical Meeting, Orlando, Florida, December 2004. (Poster Presentation)
46. Hnizdo E, Yu L, Freyder L, Attfield M, Lefante J, Glindmeyer H. Precision of Longitudinal Spirometric Measurements in Workplace Screening - Monitoring and Interpretation The 10<sup>th</sup> annual conference on Occupational Respiratory Diseases, Beijing, China, April 2005 (Poster Presentation)
47. Harmon G, Lefante J, Roy W, Ashby K, Smart A, Webber L. The Cenla Medication Access Program – Providing Pharmacy Services in Central Louisiana. Institute of Epidemiology and Health Services Research, Jackson State University Third Annual Conference, “Eliminating Health Disparities in Mississippi: Prospects for Change”. Jackson, Mississippi, October 14-15, 2004. (Presented by Harmon).
48. Federici R, Harmon G, Ashby K, Hoole E, Roy W, Jackson D, Webber L, Lefante J. Reduction in glucose levels for diabetics in a medication access program in central Louisiana. 2005 Tulane University Health Science Center Research Days, March 9-10, 2005. (Poster Presentation)
49. Harmon G, Jackson D, Federici R, Roy W, Hoole E, Ashby K, Webber L, Lefante J. Reduction in the number and type of emergency room visits after enrollment in a medication access program. 2005 Louisiana Society of Health-Systems Pharmacy Annual Meeting, New Orleans, LA, April 8, 2005. (Poster Presentation)

50. Harmon G, Federici R, Roy W, Ashby K, Jackson D, Webber L Lefante J,. Reduction in emergency room visits, hospital admissions, and clinical outcomes after enrollment in a medication access program. Academy Health Annual Research Meeting, Boston, Massachusetts, June 2005, (Poster Presentation)
51. Harmon G, Federici R, Ashby K, Hoole E, Roy W, Jackson D, Webber L, Lefante J. Change in hospital utilization after the initiation of a medication access program - the CMAP experience. 133<sup>rd</sup> American Public Health Association Annual Meeting, Philadelphia, Pennsylvania, December, 2005. (Presented by Harmon)
52. Federici R, Harmon G, Ashby K, Hoole E, Roy W, Jackson D, Webber L, Lefante J. Reduction in glucose levels for diabetics in a medication access program in central Louisiana. Roundtable discussion, 133<sup>rd</sup> American Public Health Association Annual Meeting, New Orleans, LA, November 7, 2005. Philadelphia, Pennsylvania, December, 2005. (Roundtable Discussion)
53. Harmon G, Federici R, Roy W, Beuchler A, Webber L, Lefante J. Predictors of adherence to prescription medications in a rural medication access program. 134<sup>rd</sup> American Public Health Association Annual Meeting, Boston, Massachusetts, November 2006. (Presented by Harmon)
54. Federici R, Harmon G, , Hoole E, Roy W, Beuchler A, Webber L, Lefante J. Effect of medication adherence on hospital admissions in a medication access program in central Louisiana. 134<sup>rd</sup> American Public Health Association Annual Meeting, Boston, Massachusetts, November 2006. (Presented by Federici)
55. Wu, Q, Lefante J, Magnus J, Rice J. Comparison of Modeling Approaches to Deriving Normative Values of Bone Mineral Density from NHANES III. Joint Meetings of the American Statistical Association, the International Biometric Society, the Institute of Mathematical Statistics, and the Statistical Society of Canada. Salt Lake City, Utah, July/August 2007. (Presented by Wu)
56. Rabito F., Holt E., Lefante J. Epidemiologic Challenges in a Post-Disaster Environment: The New Orleans Healthy Home Project. 135<sup>rd</sup> American Public Health Association Annual Meeting, Washington, DC , November 2007. (Presented by Rabito)
57. Naessens J, Campbell C, Berg B, Lefante J, Culbertson R. Differences in adverse events detected using different methods of identification. Academy Health Annual Research Meeting, Washington, DC, June 2008, (Presented my Naessens)
58. H.W. Glindmeyer HW, Rando RJ, Freyder L, Lefante JJ, Jones R. Respiratory Health and Work in the Post-Katrina Environment. American Thoracic Society/American Lung

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Association International Conference, New Orleans, Louisiana, May 2010. (Poster Presentation)

59. Zhou Y, Lefante J, Rice J, Chen S. Adjusted Quadratic Inference Function (QIF) and Adjusted Adaptive Estimating Equations for fitting marginal regression models for longitudinal data with time-dependent covariates. Joint Meetings of the American Statistical Association, the International Biometric Society, the Institute of Mathematical Statistics, and the Statistical Society of Canada. Miami, Florida, August 2011. (Presented by Zhou)
60. Rando RJ, Lefante J, Freyder L, Jones R. ResRespiratory Health and Flood Restoration Work in the Post Katrina Environment. Presented at the 6<sup>th</sup> International Scientific Conference on Bioaerosols, Fungi, Bacteria, Mycotoxins in Indoor and Outdoor Environments and Human Health. Saratoga Springs, NY. September, 2011. (Presented by Rando)
61. Rosinia F, Lefante J, Brent S, Freyder L, Russo S, Webber L. Correlates of unanticipated difficult intubation using a large national anesthesia registry. American Society of Anesthesiologists Annual Meeting, Chicago, Illinois, October 2011. (Presented by Rosinia)
62. Rosinia F, Lefante J, Freyder L, Diana M, Liu H, Webber L. Effect of Anesthesiology Type on the Incidence of Cardiac Arrest During Surgical Procedures. American Society of Anesthesiologists Annual Meeting, Washington, D.C., October 2012. (Presented by Rosinia)
63. Janbain M, Madison A, Lefante J, Ksayer R, Leissinger C. Analysis of Racial Differences in Whole Blood and Plasma Using Rotational Thromboelastometry. Presented at THSNA meeting San Diego March 2018 and submitted to Thrombosis Research Pending Review. (Poster Presentation)

#### **External lectures/seminars**

1. Lefante J. Managerial statistics for physician executives. American College of Physician Executives Fall Institute. Indian wells, California, November 1999. (Presented by Lefante).
2. Lefante J. Approximating Poisson Regression with Logistic Regression. University of South South Alabama Colloquium Series. Mobile Alabama. April 12, 2000 (Presented by Lefante).
3. Lefante J. Clinical Trial Sample Size and Power Calculations. Responsible Conduct in Research Lecture Series, Ochsner Medical Center, September 27, 2010 (Presented by Lefante).

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4. Lefante J. Analyzing Lung Function Measures in Occupational Studies. LSUHSC School of Public Health Biostatistics Seminar Series, October 11, 2011. (Presented by Lefante).

## **GRANTS AND CONTRACTS**

### **Funded Projects as Principal Investigator:**

1. An Evaluation Program for the CENLA Medication Access Program.  
September 2001-August 2004  
The Rapides Foundation.
2. An Evaluation Program for the Operation Heartbeat AED Placement Program.  
December 2001-November 2004  
The Rapides Foundation.
3. An Evaluation Program for the Public Access Defibrillation Project in Central Louisiana.  
July 2003-June 2007  
The Rapides Foundation.
4. Phase II of an Evaluation Program for the CENLA Medication Access Program (CMAP)  
September 2004 - August 2007  
The Rapides Foundation
5. Collaborative Proposal: SGER: Social Measures of the Katrina Aftermath.  
December 2005-December 2006  
The National Science Foundation

### **Funded Projects as Co-investigator:**

**Role: Statistician**

**Responsibilities: Study design, sample size determination and statistical analyses, report writing, abstract writing, poster presentations, and manuscript writing.**

1. Specialized Center of Research (SCOR),  
June 1987 – November 1992.  
Division of Occupational and Immunologic Lung Diseases  
NHLBI (HL-15092-16).  
PI: Hans Weill, M.D.

**Specific Projects:**

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- A. Longitudinal Study of the Respiratory Health Effects Workers in the Cotton Textile Industry.
  - B. Acute and Chronic Chemical Injury to Lungs in Exposed Workers.
2. A Prospective Study of the Effects of Chronic Chlorine Exposure in Manufacturing on Respiratory Health.  
June 1987 – March 1992  
Dow Chemical Company  
PI: Hans Weill, M.D.
  3. Respiratory Health Effects of Isocyanate-Based Paint. CBR/DOD. 11/91 - 3/95.  
November 1991-March 1995  
CBR/DOD  
PI Robert Jones, M.D.
  4. A Dichotomous Sampler for Trig Aerosol and Vapor.  
February 1992-January 1994  
NIOSH  
PI: Roy Rando, Sc.D.
  5. Superfund Basic Research Program - Petrochemical Waste: Risk and Remediation. NIEHS.  
April 1992-February 1996  
PI: Hans Weill, M.D.
  6. Evaluation of Statistical Procedures for Interpretation of Groundwater Monitoring Data Proposed by Chemical Waste Management, Inc., and Uniroyal Chemicals.  
April 1995-October 1995  
Louisiana Department of Environmental Quality Contract.  
PI: John Lefante, Ph.D., Tony Rene, Ph.D.
  7. Management System for Pulmonary Function Testing and Related Data.  
March 1995-February 1996  
Allied Signal  
PI: Henry Glindmeyer, DEngr.
  8. International Paper Data Coordinating Facility.  
January 1995-December 2000  
International Paper  
PI: Henry Glindmeyer, D.Engr.
  9. Respiratory Health Study of the Wood Processing Industry.  
January 1999-October 2004  
American Forest and Paper Association. 1/1/99 – 10/15/04

PI: Henry Glindmeyer, D.Eng.

10. PNOR/PNOC Exposure and Development of COPD. Surveillance of Work-Related Chronic Obstructive Pulmonary Disease.  
October 2001-September 2004  
CDC  
PI: Henry Glindmeyer, D.Eng.
11. Clinical Research Curriculum Award.  
September 2000 – August 2005.  
NIH  
PI: Roy Weiner, M.D.
12. Respiratory Effects in Workers From Post-Katrina Related Airborne Exposures  
July 2007 – June 2013  
NIOSH  
PI: Roy Rando, PhD.
13. Probiotics in Pediatric Diarrhea in Peru  
September 2007-August 2015  
NIH  
Richard Oberhelman (PI)
14. NIH (PI) 7/1/12 – 6/30/22  
FOA PAR-11-229 [Institutional Development Award (IDeA) Program Infrastructure for Clinical and Translational Research (IDeA-CTR)]  
Louisiana Clinical and Translational Sciences Center  
September 2012- June 2022  
NIH  
Lee Hamm
15. 1K22LM011430-01A1 McCoy (PI) 09/30/2013-09/29/2016  
NIH-NLM  
InSPECT: Interactive Surveillance Portal for Evaluating Clinical Support  
Goal: Develop, implement, and evaluate novel, semi-automated methods for assessing and improving the appropriateness of clinical  
decision support (CDS) alerts and provider responses in ambulatory and community hospital settings with commercial electronic health records (EHRs).  
Role: Co-Investigator



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16. 1R21DK094006-01 Navar (PI) 8/15/2012 – 7/30/2014  
Potential of Urinary AGT as a Novel Biomarker for Intrarenal RAS Activity in T1DM.  
Goal: Define and characterize the urinary angiotensinogen (AGT) levels in juveniles with type 1 diabetes mellitus (T1DM). The overall hypothesis is that urinary AGT levels can be a novel biomarker of the intrarenal renin-angiotensin system (RAS) status.  
Role: Co-Investigator
17. U2R TW010673-01 9 Doumbia, Li, Shaffer (PI) 09/05/2017-08/31/2022  
NIH  
Title: West African Center of Excellence for Global Health Bioinformatics Research Training.  
Goal: To build a sustainable bioinformatics research training program that will foster genomics approaches to address global health issues in Africa.  
Role: Co-Investigator
18. R01 DA045029-01 (Shi) 12/1/2017-11/30/2021  
NIH/NIDA  
Title: Opioid Treatment & Recovery through the Safe Pain Management Program  
Goal: To address knowledge gaps in evidence for chronic opioid management in primary care in a complex patient population and provide evidence through a comparative effectiveness and cost effectiveness analysis study.  
Role: Co-Investigator
19. U54 GM104940 (Krousel-Wood) 02/15/2016 – 06/30/2018  
NIH/NIGMS  
Louisiana Clinical and Translational Science Center  
Title: Overcoming Immunity to Change  
Goal: To assess the feasibility of using the Overcoming Immunity-to-Change intervention to improve medication-taking behaviors and BP control in nonadherent elders with uncontrolled hypertension.  
Role: DSMC member
20. 1R01HL153750-01A1 (Krousel-Wood) 05/01/2021-04/30/2026  
NIH  
Title: Supporting Tailored Adaptive Change and Reinforcement for Medication Adherence Program (STAR-MAP)  
Goal: The long-term goal is to improve medication adherence, BP control, and healthy aging in older hypertensive adults. The overall objective for this R01 application is to determine the efficacy of the Supporting Tailored Adaptive change and Reinforcement for Medication Adherence Program (STAR- MAP), which integrates the transformative Overcoming Immunity-to-Change (OITC) health coaching process, on improving adherence, BP control, and quality of life (QOL).  
Role: Co-I

## **SERVICE**

### **Tulane University Committee membership and offices held**

#### Department of Biostatistics and Epidemiology:

- 1991-92 Demographer Search Committee
- 1991-93 Environmental Epidemiologist Search Committee
- 1992-93 Epidemiology Methodologist Search Committee
- 2000-02 Biostatistics Search Committee (Chair, 2001-02)
- 2010-11 Biostatistics and Bioinformatics Search Committee

#### School of Public Health and Tropical Medicine:

- 1992-93 Secretary, SPHTM General Faculty
- 1991-93 Doctoral Program Committee
- 1992-93 Vice-Chairman, Grievance Committee
- 1993-94 Chairman, Grievance Committee
- 1993-96 Curriculum Committee
- 1995-96 Vice-Chairman, SPHTM General Faculty
- 1996-97 Chairman, SPHTM General Faculty
- 1997-98 Chairman, Honor Board
- 1997-98 Selection Committee-Chancellor's Teaching Scholar Award
- 1998-99 Doctoral Program Committee
- 1999-00 Health Systems Management Department Chair Search Committee.
- 1999-05 Personnel and Honors Committee
- 2001-02 Executive Faculty (Senior Senator)
- 2003-08 Bachelor of Science in Public Health Committee
- 2011-13 Student Affairs
- 2014- Doctoral Program Committee

#### University-wide Committees

- 1992-95 Senate Committee on Calendar
- 1994-97 Senate Committee on Honors
- 1996-99 Senate Committee on Computing
- 1999-02 University Senate
- 2001-02 Senate Committee on Committees
- 2007-11 Committee on Academic Requirements
- 2009-12 University Senate
- 2011-13 Newcomb Tulane College Curriculum Committee
- 2013-17 Senate Information Technology Committee
- 2017-18 SPHTM Dean Search Committee
- 2018-19 Dept of Trop Med Chair Search Committee Chair
- 2019-Present University IT Investment Council
- 2020- Present Senate Information Technology Committee

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**PhD Dissertation Research Directed**

Random effects models for longitudinal data with errors-in-variables. Ed Bittner.

Sample size approximation for estimating the arithmetic mean of a lognormally distributed random variable. Adrianna Perez.

Evaluation of predictors of utilization, attrition, and effectiveness of cocaine dependence treatment. Tsung-Tsair Yang.

On the asymptotic maximum likelihood estimation based on extremes. Raul Hernandez-Molinar.

Two Part Longitudinal Models of Zero-Heavy Data. Yeonjoo Yi

Marginal Regression Analysis of Longitudinal data with Time-Dependent Covariates: Extended Quadratic Inference Functions and Extended Adaptive Estimating Equations. Yi Zhou

Multiple Mediation Analysis with Survival Data. Mei-Chin Hsieh

Small Sample Quasilikelihood Ratio Test for Human Genetic and Microbiome Association Studies. Ruifeng Wang

Stochastic Processes on Networks: Uncertainty Quantification in Epidemic Stages. Christian Genius

**ScD Dissertation Research Directed**

Comparison of modeling approaches to deriving normative values of bone mineral density from NHANES III. Qing Wu

An Evaluation of Random Coefficients Analysis and Generalized Estimating Equations Analysis using a Longitudinal Dataset with Application to Child Growth Development Study. Ahmed Mohamed. AlQasmi

**Refereed manuscripts for the following journals**

Medical and Pediatric Oncology

Technometrics

Environmetrics

Occupational and Environmental Medicine

Journal of Healthcare Management

American Journal of Respiratory and Critical Care Medicine

Circulation

American Journal of Health-System Pharmacy

Health Quality of Life Outcomes

Obesity