

**Paul A. Jones, Mathematical Statistician, in EPA's National Exposure Research Laboratory**

Computational Exposure Division

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**Area of Expertise:** Paul's research interest focuses primarily on human exposure to environmental chemicals in population-based studies, particularly among children and other vulnerable populations. He primarily develops study methodologies (i.e., study design, data collection instruments, and data management activities). Paul evaluates and applies appropriate statistical techniques in the design, implementation and analysis of exposure research projects and epidemiologic studies. His statistical expertise and interest includes complex survey design, categorical data analysis, repeated measures designs and mixed-effects models.

**Select Publications:**

Williams, R., Jones, P., Carry Croghan, Thornburg, J., Rodes, C. The influence of human and environmental exposure factors upon personal NO<sub>2</sub> exposure. *J. Exposure Science and Environmental Epidemiology*. Doi:10.1038/jes.2011.20 (2011).

Morgan M, Jones P, Calafat A, Ye X, Croghan C, Chuang J, Wilson N, Clifton M, Figuerora Z, and Sheldon L. Assessing the quantitative relationships between preschool children's exposures to bisphenol A by route and urinary biomonitoring. *Environmental Science and Technology*. 2011; 45(12): 5309-5316.

Morgan M, Sheldon L, Croghan C, Jones P, Chuang J, and Wilson K. The reliability of using urinary biomarkers to estimate children's exposures to chlorpyrifos and diazinon *Journal of Exposure Science and Environmental Epidemiology*. 2011; 21(3): 280-290.

Thomas KW, Dosemeci M, Coble JB, Hoppin JA, Sheldon LS, Chapa G, Croghan CW, Jones PA, Knott CE, Lynch CF, Sandler DP, Blair AE, Alavanja MC. Assessment of a pesticide exposure intensity algorithm in the agricultural health study. *J Expos Sci Environ Epidemiol* 20: 559-569, 2010.

Stout DM, Bradham KD, Egeghy PP, Jones, PA, et al. "America Health Homes Survey: A National Study of Residential Pesticides Measure from Floor Wipes." *Environmental Science & Technology*. May 2009: Vol 43 pp 4294-4300.

Morgan M, Sheldon L, Thomas K, Egeghy P, Croghan C, Jones P, Chuang J, and Wilson N. Adult and children's exposure to 2,4-D from multiple sources and pathways. *Journal of Exposure Science and Environmental Epidemiology*. 2008; 18: 486-494.

View more research publications by [Paul Jones](#).

**Education:**

- M.S., Biostatistics w/Epidemiology, UNC-Chapel Hill, 1983
- B.S., Psychology w/Mathematics, Fayetteville State University, 1981

**Professional Experience:**

- Mathematical Statistician, US EPA, ORD, National Exposure Research Laboratory, Human Exposure and Atmospheric Sciences Division, RTP, NC 2002-present
- Mathematical Statistician, CDC, National Center for HIV, STD and TB Prevention, Statistics and Data Management Branch, Atlanta, GA 2000-2002
- Mathematical Statistician, CDC, Epidemiology Program Office, Statistics and Epidemiology Branch, Atlanta, GA 1999-2000
- Mathematical Statistician, ATSDR, Division of Health Studies, Health Investigations Branch, Atlanta, GA, 1993-1999
- Mathematical Statistician, ATSDR, Office of Health Assessment, Epidemiology and Medicine Branch, Atlanta, GA, 1987-1993
- Mathematical Statistician, Statistical Methods Division, US Bureau of the Census Washington, DC, 1985-1987