OMB No. 0925-0001 and 0925-0002 (Rev. 03/2020 Approved Through 02/28/2023)

BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors.  
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NAME: Kirk A. Easley

eRA COMMONS USER NAME (credential, e.g., agency login): keasley

POSITION TITLE: Research Professor

EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.)

| INSTITUTION AND LOCATION | DEGREE  (if applicable) | Completion Date  MM/YYYY | FIELD OF STUDY |
| --- | --- | --- | --- |
| East Tennessee State University, Johnson City, TN | B.S. | 12/74 | Biology |
| Louisiana State University, Baton Rouge, LA | M.S. | 08/77 | Biology |
| Louisiana State University, Baton Rouge, LA | M.Ap.Stat. | 12/81 | Statistics |

1. **Personal Statement**I am a Research Professor within the Department of Biostatistics and Bioinformatics of the Rollins School of Public Health at Emory University. I have over 30 years of experience as a biostatistician and as a collaborator with medical investigators. My areas of interest are clinical trials, cohort studies, data mangement and statistical applications in clinical research. I was the Co-PI of the Data Coordinating Center for a Natural History Study of Pediatric Lung and Heart Complications of HIV Infection (N01-HR-96037) from 1997-1999 and assumed sole PI responsibility from 1999 to 2007. I have served as the Associate Director of the Emory Center for AIDS Research Biostatistics and Bioinformatics Core since 2001. I served as the Principal Investigator of the Data Coordinating Center (DCC) for a NIDDK funded SICU intervention clinical trial and served as the DCC Director for a birth cohort study funded by the NHLBI (RBC Irradiation and Anemia Trigger Gut Injury in Preterm Infants). I have served as the Director of the Data Coordinating Center for several clinical studies in HIV/AIDS, pediatrics, renal transplantation, nutrition, blood transfusion, autoimmune diseases, and rehabilitation medicine.
2. Kovacs A, Schluchter M, **Easley K**, Demmler G, Shearer W, LaRussa P, Pitt J, Cooper E, Goldfarb J, Hodes D, Kattan M and McIntosh K for the P2C2 HIV Study Group. Cytomegalovirus infection and HIV-1 disease progression in infants born to HIV-1-infected women. N Engl J Med. 1999 Jul 8;341(2):77-84. PMCID: PMC4280563.
3. Shearer WT, Pahwa S, Read JS, Chen J, Wijayawardana SR, Palumbo P, Abrams E, Nesheim SR, Yin W, Thompson B, and **Easley KA**. CD4/CD8 T-cell ratio predicts HIV infection in infants: The National Heart, Lung, and Blood Institute P2C2HIV Study. J Allergy Clin Immunol. 2007 Dec;120(6):1449-56. PMCID: PMC4271194.
4. Josephson CD, Caliendo AM, **Easley KA**, Knezevic A, Shenvi N, Hinkes MT, Patel RM, Hillyer CD and Roback JD. Blood transfusion and breast milk transmission of cytomegalovirus in very low-birth-weight infants: a prospective cohort study. JAMA Pediatr. 2014 Nov 1;168(11):1054-62. PMCID: PMC4392178.
5. Patel RM, Knezevic A, Shenvi N, Hinkes M, Keene S, Roback JD, **Easley KA**, and Josephson CD. Association of red blood cell transfusion, anemia, and necrotizing enterocolitis in very low-birth-weight infants. JAMA, 2016;315(9):889-897. PMCID: PMC4805423.

**B. Positions, Scientific Appointments, and Honors**

**POSITIONS AND EMPLOYMENT**:

1975-1980 Research Assistant (1975-77), Research Associate (1978-80), School of Renewable Natural Resources, Louisiana State University, Baton Rouge, Louisiana

1981 Biostatistician, Department of Epidemiology, School of Veterinary Medicine, Louisiana State University, Baton Rouge, Louisiana

1982 Research Associate, Department of Experimental Statistics, Louisiana State University, Baton

Rouge, Louisiana

1983-2001 Biostatistician (1983-87), Senior Biostatistician (1988-94), Lead Biostatistician (1995-98),

Research Associate (1999-01), Department of Biostatistics and Epidemiology, The Cleveland Clinic Foundation, Cleveland, Ohio

2001-Present Senior Associate (2001-2021), Research Professor (2022-Present), Rollins School of Public Health, Department of Biostatistics and Bioinformatics, Emory University, Atlanta, Georgia

**HONORS:**

Sigma Xi

1. **C. Contributions to Science**My collaborative publications from 1990-2007 describe findings from a multicenter prospective natural history cohort study designed to characterize the immunologic, pulmonary and cardiovascular disorders that occur in association with vertically transmitted (mother to child during gestation or during the perinatal time period) human immunodeficiency virus (HIV) infection in children. These publications clearly indicate that pulmonary and cardiac disease contribute to the mortality and morbidity experienced by children with HIV. Additionally, HIV-infected infants who acquire CMV infection in the first 18 months of life have a significantly higher rate of disease progression than those infected with HIV alone. I served as the Director of the Data Coordinating Center in all of these studies.
   1. Lipshultz SE, **Easley KA**, Orav EJ, Kaplan S, Starc TJ, Bricker JT, Lai WW, Moodie DS, McIntosh K. Schluchter MD and Colan SD for the P2C2 HIV Study Group. Left ventricular structure and function in children infected with the human immunodeficiency virus: The prospective P2C2 HIV multicenter study. Circulation.1998; 97:1246-1256. PMCID: PMC4307393.
   2. Lipshultz SE, **Easley KA**, Orav EJ, Kaplan S, Starc TJ, Bricker JT, Lai WW, Moodie DS, Sopko G., McIntosh K, and Colan SD for the P2C2 HIV Study Group. Absence of cardiac toxicity of zidovudine in infants. New England Journal of Medicine. 2000; 343(11):759-766. PMCID: PMC4280909.
   3. Lipshultz SE, **Easley KA**, Orav EJ, Kaplan S, Starc TJ, Bricker JT, Lai WW, Moodie DS, Sopko G, Schluchter MD and Colan SD for the P2C2HIV Study Group. Reliability of multicenter pediatric echocardiographic measurements of left ventricular structure and function: The prospective P2C2HIV multicenter study. Circulation. 2001; 104:310-316. PMCID: PMC4307394.
   4. L Lipshultz SE, **Easley KA**, Orav EJ, Kaplan S, Starc TJ, Bricker JT, Lai WW, Moodie DS, Sopko G, Schluchter MD and Colan SD for the P2C2HIV Study Group. Cardiovascular status of infants and children of women infected with HIV-1 (P2C2 HIV): a cohort study. Lancet. 2002 Aug 3;360(9330):368-73. PubMed PMID: 12241776. PMCID: PMC4280564.
2. My collaborative publications from 2008-2023 have focused on clinical studies (both trials and cohorts) in renal transplantation, endocrinology, autoimmune diseases including rheumatoid arthritis, systemic lupus erythematosus (SLE) and treatment trials for giant cell arteritis (GCA), infectious diseases, and pediatrics. The SLE studies have advanced our epidemiologic understanding of SLE by providing revised estimates of SLE prevalence and incidence using capture-recapture methods. The SLE studies provide additional data that underscore striking sex, age, and racial disparities between black and white patients with SLE. The GCA clinical trials did not support the adjuvant use of methotrexate to control disease activity but induction treatment with high-dose pulse intravenous glucocorticoids (GCs) allowed for more rapid tapering of oral GCs and had long-term benefits, including a higher frequency of patients experiencing sustained remission of their disease after discontinuation of treatment. I served as the senior biostatistician and as a Co-Investigator in all of these studies. Additionally, I served as Director of the Data Coordinating Center for a surgical ICU multicenter randomized clinical trial. The SICU trial found that parenteral nutrition supplemented with glutamine was safe, but did not alter clinical outcomes among SICU patients.

1. Mazlumzadeh M, Hunder GG, **Easley KA**, Calamia KT, Matteson EL, Griffing Wl, Younge BR, Weyand CM, and Goronzy JJ. Treatment of giant cell arteritis using induction therapy with high-dose glucocorticoids. Arthritis and Rheum: 54:3310-3318, 2006. PubMed PMID: 17009270.
2. Lim SS, Bayakly R, Helmick CG, Gordon C, **Easley KA**, and Drenkard C. The incidence and prevalence of systemic lupus erythematosus, 2002-2004: The Georgia Lupus Registry. Arthritis & Rheumatism, 66(2):357-368, 2014. PMCID: PMC4617771
3. Tukvadze N, Sanikidze E, Kipiani M, Hebbar G, **Easley KA**, Shenvi N, Kempker RR, Frediani JK, Mirtskhulava V, Alvarez JA, Lomtadze N, Vashakidze L, Hao L, Del Rio C, Tangpricha V, Blumberg HM and Ziegler TR. High-dose vitamin D3 in adults with pulmonary tuberculosis: A double blind, randomized, controlled trial. Am J Clin Nutr, 102:1059-1069, 2015. PMCID: PMC4625591
4. Ziegler TR, May AK, Hebbar G, **Easley KA**, Griffith DP, Dave N, Collier BR, Cotsonis GA, Hao L, Leong T, Manatunga AK, Rosenberg ES, Jones DP, Martin GS, Jensen GL, Sax HC, Kudsk KA, Galloway JR, Blumberg HM, Evans ME and Wischmeyer PE for the GLND study Group. Efficacy and safety of glutamine-supplemented parenteral nutrition in surgical ICU patients: An American multicenter, randomized controlled trial. Ann Surg. 2016 Apr;263(4):646-55. PubMed PMID: 26501700; PubMed Central PMCID: PMC4877187.

**Complete List of Published Work:**

[My Bibliography - NCBI (nih.gov)](https://www.ncbi.nlm.nih.gov/myncbi/kirk.easley.1/bibliography/public/)