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***Professional Goals:** To improve maternal and child health outcomes through teaching at the graduate level and through policy and data analysis, needs assessment, evaluation and surveillance. My primary research interests include rural health disparities (particularly in the U.S. American Indian/Alaskan Native population), oral health, perinatal and maternal morbidity and mortality, congenital anomalies, birth-weight distribution and preterm birth.*

Long-term goals include research specific to the provision of maternal and child health services to American Indian and Alaskan Native Children, from 1900 to present. This extends to improved partnerships between the Indian Health Service and the Maternal and Child Health Bureau (HRSA), as well as resources for states health departments and tribal government health systems throughout the country.

Education

2006 – present

University of Alabama at Birmingham
Doctoral Student – Health Care Organization and Policy,
Maternal and Child Health Epidemiology Focus
Anticipated Graduation Date: December 2010

2002 – 2005

University of Kentucky School of Public Health
MPH, Epidemiology Focus

Capstone Project: *Influences on Kentucky County Infant Mortality Rates: A Comparison between Urban and Rural Infant Deaths Using the Perinatal Periods of Risk Approach.*

Committee Members: Glyn Caldwell, M.D., (Chair), Richard Charnigo, Ph.D., and Richard Crosby, Ph.D.

1977 – 1981

Adrian College, Adrian Michigan
BA, Business Administration

Teaching

Teaching at the University of Alabama at Birmingham

MCH 601: Maternal and Child Health Programs and Policy (Spring 2009 - Co-Instructor). This graduate class (19 students) was designed to provide students with knowledge about current major MCH programs and a framework for the analysis of MCH programs and policies in the United States. This includes issues related to advocacy, current public policy reform movements, research and data issues. Co-instructor for the course with duties that included the primary responsibility for syllabus development, homework/exam development and grading as well as the shared responsibility of lecturing. Dr. Mary Ann Pass was co-instructor (and course-master) for the class.

MCH 605: Basic Research Methods for Maternal and Child Health Practitioners (Fall 2007 - Teaching Assistant). This course provides an introduction to basic research methods with a specific focus on their use in the field of Maternal and Child Health (MCH). The course purpose is to facilitate the development of knowledge and skills related to the review, assessment, and conduct of data-based research. Dr. Russell S. Kirby was the course instructor.

Experience

Faculty Instructor (Part-time)
University of Kentucky College of Public Health
Epidemiology Department
August 2009 - present

Responsibilities include graduate student advising (MPH level only) and project coordination of "*Foundations of Maternal and Child Health: Assessment, Policies, Programs, and Leadership - A University-Community Partnership for Graduate Training in Maternal and Child Health*"; UK's distance-learning partnership with the University of Arizona's Mel & Enid Zuckerman College of Public Health and the United Eastern and Southern Tribes (Nashville). Also responsible for analysis support to the Kentucky Department of Public Health, Division of Maternal and Child Health, as assigned.

As a result of this and previous work, I have developed strong ties to MCH professionals at the Indian Health Service (IHS), in Rockville, Maryland, particularly IHS MCH Coordinator, Captain Judith Thierry, DO, MPH.

Oral Health Epidemiologist/Grant-Writer
Health Care Access Branch; Division of Adult and Child Health, Department for Public Health
July 2003 through May 2006

Duties include coordination of Oral Health Collaborative Systems Grant (\$ 65,000 annually), which supports three projects; the development of a statewide children's oral health surveillance system, a Statewide Oral Health Strategic Plan and a Dental Workforce Analysis study.

As coordinator of Kentucky's State System Development Initiative (SSDI), duties include improved data linkage and integration within selected Maternal and Child Health programs (\$ 100,000 annually). The primary goal is the development of an integrated electronic data system for Kentucky's Newborn Metabolic Screening Program in partnership with the University of Louisville School of Public Health and Information Sciences.

Additional duties include the development and coordination of Oral Health Data System Projects, financial responsibilities and grant writing as required.

Maternal and Child Health Block Grant (Title V) Administrator
Maternal and Child Health Branch; Division of Adult and Child Health,
Department for Public Health
October 2000 to July 2003

Primary author and coordinator of the Annual Title V Block Grant for the Division of Maternal and Child Health, totaling approximately 12 million dollars annually. Includes training for the field on performance measures and objectives, core health and development indicators.

Coordinator of Kentucky's SSDI Grant, supporting the development of MCH Data Repository for the Division, FOCUS - Furthering Our Children's United Services. Participating on the FOCUS Implementation Committee and developed *Commonly Asked Question* portion of system (static reports). Chair of the Annual Maternal and Child Health Conference, held in September in Louisville, a two and one half day conference, drawing nearly 1,000 health professionals from both public and private sectors.

Program Coordinator - Abstinence Education Initiative, Division of Adult and Child Health
Department for Public Health - Commonwealth of Kentucky
May 1998 to October 2000

Administered Kentucky's Abstinence Education Initiative, with duties including federal grant application and reporting (\$ 990,488 annually for five years), financial administration, training and technical support to the field and oversight of funded projects at the local level.

Executive Director, Kentucky East Chapter
March of Dimes Birth Defects Foundation, Lexington, Kentucky
October 1991 to April 1998

With a Chapter area serving a population of 1.9 million and covering 64 counties, the Kentucky East Chapter was supported by approximately 10,000 volunteers and included 12 staff in three locations in Central and Eastern Kentucky. Duties included preparation and administration of the chapter budget, review and approval of all expenditures and oversight to assure that the chapter's financial affairs and records were administered and maintained in accordance with the foundation's policies and accounting procedures. Annual Chapter fundraising efforts exceeding \$ 850,000 in 1997.

In addition to fundraising and general administration, I also served as Chair of the *Kentucky Birth Surveillance Advisory Committee (1997 to 1999)* and the Substance Abuse subcommittee for the State of Kentucky's *Healthy Start/Healthy Families Task Force (1996)*.

Publications

Walker, L. and Chesnut, L. (in press) Identifying Health Disparities and Social Inequities Affecting Childbearing Women and Infants. *Journal of Obstetric, Gynecologic, and Neonatal Nursing*.

Chesnut, L., Charnigo, R, LoBianco T. (2006) "Perinatal Periods of Risk: Mapping Feto-Infant Mortality in Kentucky" *Kentucky Epidemiologic Notes & Reports*, 4(7)

Healthy Kentucky Smiles: A Lifetime of Oral Health – *Spring 2006*. Contributing author to the Statewide Kentucky Oral Health Strategic Plan. Also contributed to the coordination of design, layout and editing.

Healthy Kentuckians 2010: Mid-Decade Review – *Spring 2006*. Primary author for Chapter 9, Oral Health. Reporting on 2010 oral health objectives including mid-decade status and strategies to achieve objectives.

Kentucky County Health Profiles 2001 – *October 2005*. Contributing author for data compilation, layout, design and project coordination.

Works that have been submitted for publication

Charnigo, Richard; Chesnut, Lorie W.; LoBianco, Tony; Kirby, Russell S. "Thinking Outside the Curve, Part I: Modeling Birthweight Distribution"

Charnigo, Richard; Chesnut, Lorie W.; LoBianco, Tony; Kirby, Russell S. "Thinking Outside the Curve, Part II: Modeling Fetal-Infant Mortality."

Presentations

"Past Influences on Present Work: The Legacy of Federal Maternal and Child Health Initiatives on the Health Outcomes of American Indians and Alaskan Natives"

- 2009 Association of Maternal and Child Health Programs Conference (AMCHP) (February 2009 - invited talk. Coordinated and co-presented this 3.5 hour workshop with 4 additional speakers.)

"The Influence of Income Inequality and Poverty on Maternal and Child Health Outcomes in Alabama"

- 2008 MCH Epidemiology Conference (Dec 08 - invited talk)

"Big Matters with Small Numbers: Rare Events"

- 2008 MCH Epidemiology Conference (Dec 08 - assisted Dr. Richard Charnigo [presenter] in the development of this workshop and acted as moderator for the session 90-minute training session)

"MCH in Indian Country - Partnerships to Identify and Address Health Disparities"

- 2008 MCH Epidemiology Conference (Dec 08 - Developed, sponsored, and coordinated the plenary presentation which included 5 speakers for a 90-minute talk on the second day of the conference)

"Oral Health in MCH Public Health: Getting the Services to Children Who Need Them"

- UAB School of Dentistry, Dental Grand Rounds (co-presented with Dr. Beverly Mulvihill - Fall 2007)

"Thinking Outside the Curve: A New Paradigm for Birthweight Distribution"

- 2006 MCH Epidemiology Conference (Dec 06 - invited talk)

"Influences on Kentucky Infant Mortality Rates: A Regional Comparison Using the Perinatal Periods of Risk Approach"

- Data Users Group: Kentucky Department for Public Health (May 06 – invited talk)
- 2005 MCH Epidemiology Conference (Dec 05 – contributed poster)

"Children's Oral Health in Kentucky: Promising Strategies in Disease Prevention"

- MCH 601: University of Alabama Birmingham, School of Public Health (April 05 and April 06 – invited talk)

"MCH Practice in a State Setting ... Keys to Success"

- MCH 601: University of Alabama Birmingham, School of Public Health (April 05 and April 06 – invited talk)

"Reading, Scoring and Administering Grants"

- One-Day Workshop: Western Kentucky University (May 00 – invited talk)

Special Projects in Grant-Writing

Maternal and Child Health Training Program - Maternal and Child Health Bureau (MCHB), Health Resources and Services Administration (HRSA) - 2009. Contributing author for the University of Arizona and University of Kentucky College of Public Health partnership entitled: *"Foundations of Maternal and Child Health: Assessment, Policies, Programs, and Leadership - A University-Community Partnership for Graduate Training in Maternal and Child Health."*

An MCHB training grant, integrating the resources of two academic institutions, the University of Kentucky College of Public Health and University of Arizona College of Public Health. The application proposes to create an on-line maternal and child health training program for rural maternal and child health practitioners, with a primary focus on rural Kentucky and American Indian/Alaskan native tribal health departments. **Received:** \$ 180,000 each year for 5 years. **Principal Investigator:** John Ehiri, Ph.D.

Chronic Disease Prevention and Health Promotion Programs – Arthritis Component, CDC – 2004/2005. Primary author for continuation of this non-competitive federal grant to support the Kentucky Arthritis Partnership, to include staffing, data analysis and community education services. **Received:** \$ 139,294

Medical Reserve Corps Demonstration Project, Office of the Surgeon General, Health and Human Services – Fall 2003
Assisted staff at the Woodford County Health Department in application preparation for this federal competitive grant, to increase the response capacity of local communities to respond to emergencies through the establishment and training of Medical Reserve Corps units in their communities. **Received:** \$ 48,826

Early Childhood Comprehensive Systems Planning Grant, MCHB, HRSA. Spring 2003. Assisted Kim Townley, Ph.D., Executive Director, Governor's Office for Early Childhood Development and Healthy Start in Childhood program staff in application preparation for this non-competitive federal planning grant to assess needs in maternal and child health through a series of town meetings. **Received:** \$ 100,000

Childhood Lead Poisoning Prevention Program, CDC – Spring 2003 Assisted childhood lead program staff in the preparation of this competitive grant application for Kentucky for increased childhood lead testing and case-management services. **Received:** \$ 839,192

Mission Improvement Outreach Program (MIOP) Grant, National March of Dimes Birth Defects Foundation - Summer 1999
Primary author and coordinator of grant-writing team for the National March of Dimes Competitive MIOP Grant. Applied for folic acid community and health professional education project for the purpose of neural tube defect reduction in three Kentucky counties, noted for high levels of incidence for neural tube defects. **Received:** \$ 150,000

Birth Defects Surveillance Cooperative Agreement, CDC - Fall 1998. As co-author of Kentucky's Birth Defects Surveillance Registry grant application for this competitive grant, I worked with academic partners and the state to plan initial application. At this time, I was also Chair of the Kentucky Birth Surveillance Advisory Committee. **Received:** \$ 360,000 over three years.

Abstinence Education Initiative for Kentucky, MCHB, HRSA - Summer 1997. Primary author of program development team for Kentucky's application under *The Abstinence Education Provision of the 1996 Welfare Law P.L. 104-193.* **Received:** \$ 4,952,440 over five years.

Professional Activities/Affiliations

Association of Teachers of Maternal and Child Health - Member since 2006

Society for Pediatric & Perinatal Epidemiology (SPER) - Member (2006)

MCH Epidemiology Conference

Conference Planning Committee Member - Student Representative (2007 through 2009)

Scientific Review Panel Member - Student Representative (2007 through 2009)

Association of Maternal and Child Health Professionals (AMCHP) - (2002-2005)

AMCHP Representative to National MCH EPI Award Selection Committee (2004 and 2005)

Data and Assessment Committee Member – 2003 to 2005

March of Dimes National Birth Defects Foundation – Mission Investment Opportunities Program – 2001 and 2002

Reviewed proposal applications for National March of Dimes Grant Program. The program stopped in 2003 due to funding restrictions within the agency.

March of Dimes Statewide Program Services Committee Member, Greater Kentucky Chapter

Committee Co-Chair - September 2002 to December 2003

Committee Member - July 2001 to December 2005

Legislative Passage of Senate Bill 336 – Fall 1997/Spring 1998.

Coordinated passage of legislation during the 1998 Legislative Session. As Executive Director of the Kentucky East Chapter of the March of Dimes Birth Defects Foundation, I met with legislators, state health professionals, the Kentucky Hospital Association, families and the media to coordinate support for changes to Kentucky State Regulations, which enabled access to medical records for purposes of review by authorized officials of the Kentucky Birth Surveillance Registry.

These regulation changes paved the way for Kentucky to apply for a CDC Cooperative Agreement, which was successful (more detail provided under Grant Writing) and provided funding for Kentucky's Birth Surveillance Registry for three years. *This experience was one of the most rewarding opportunities to date in my career.*

(Invited) Professional Continuing Education/Special Conferences

- *Maternal and Child Health Epidemiology Training Course*, Health Resources Services Administration, Maternal and Child Health Bureau and the Centers for Disease Control and Prevention, Boston, MA. *June 2005*
- *Evidence-Based Evaluation Skills Building Workshop*, Centers for Disease Control and Prevention, Health Resources Service Administration and Maternal and Child Health Bureau, Atlanta, Georgia. *December 2004*
- *Preventing Preterm Delivery: Defining Promising Strategies*, Centers for Disease Control and Prevention, Research Triangle Park, North Carolina, *July 2002*
- *Maternal and Child Health Leadership Skills Training Institute: Planning, Implementing and Evaluating Programs*, sponsored by University of Birmingham - Alabama and Health Resources and Services Administration, Maternal and Child Health Bureau, Louisville, Kentucky, *June 2002*
- *Maternal and Child Health Leadership Skills Training Institute: Systems* Sponsored by University of Birmingham – Alabama and Health Resources and Services Administration, Maternal and Child Health Bureau, St. Louis, Missouri, *March 2002*
- *Kentucky Public Health Leadership Institute*, University of Kentucky and Kentucky Department for Public Health - Lexington, Kentucky, *2000/2001*
- *Epidemiology in Action* - Center for Disease Control, Atlanta, Georgia, *Fall 1998*
- *The Grantsmanship Center Proposal Writing* - Louisville, Kentucky, *July 1997*

Certifications

- IRB for Human Use Training Certificate; CITI Biomedical Basic Course through the University of Alabama at Birmingham, June 2008-2009

Other Academic Experience

University of Kentucky MPH Practicum (2004): Assisted in the development of the 2001 annual report "*County Health Profiles*" under the direction of George Robertson, Branch Manager of the Surveillance and Health Data Branch, Division of Epidemiology and Health Planning, Kentucky Department for Public Health. Responsible for Vital Statistics Death Data and preparation of "*Leading and Selected Causes of Resident Deaths, 2001*" for each of Kentucky's 120 counties, Area Development Districts and the Commonwealth of Kentucky.

Previous Work Experience

Director of Fundraising
Bluegrass Trust for Historic Preservation, Lexington, Kentucky
February 1991 - August 1991

Responsible for managing public relations and increasing public awareness of the mission of the Bluegrass Trust for Historic Preservation, direct mail campaigns and private foundation grants. Due to internal restructuring of this non-profit historic association, my position was eliminated.

Executive Director
Lexington Philharmonic Society, Inc., Lexington, Kentucky
January 1986 - February 1991

Managed the orchestra's business affairs including budgeting, fundraising, ticket sales and musician contract negotiation, coordinated concerts and educational programs.

General Manager
The Ann Arbor Chamber Orchestra, Ann Arbor, Michigan
March 1984 - December 1985

Managed the orchestra's business affairs including budgeting, fundraising, ticket sales and musician contract negotiation, coordinated concerts and educational programs.

Development Assistant
University Musical Society, University of Michigan, Ann Arbor, Michigan
September 1981 - February 1984

Maintained UMS membership records and coordinated fundraising mailings, coordinated benefactor dinners as well as special events.

Consulting

Michigan Council for the Arts, State of Michigan, Detroit, Michigan
Spring 1985 - Summer 1990

Reviewed local arts organizations applying for funding from the Arts Organizational Support program. Conducted on-site and panel reviews of cultural groups, analyzed policies and budget for the program

Awards and Honors

- First recipient of the UAB SOPH Donna Lee Rickert Endowed Scholarship (2007/2008 Academic Year)
- UAB SOPH MCH Traineeship Award, 2006/2007, 2007/2008, 2008/2009 and 2009/2010 Academic Years.
- 2nd Place Abstract Award, Twelfth Annual Maternal and Child Health Epidemiology Conference (12/06)
- Inducted into Delta Omega, Beta Gamma Chapter, Honorary Society in Public Health (2006)
- Best Alumni Oral Presentation, University of Kentucky 2005 CPH Research Symposium

- State Recognition Award for Contributions to Maternal and Child Health (Kentucky) at 25th Annual Region IV Conference for Maternal and Child Health (1998)

Computer Skills:

Proficient in Word, Excel, PowerPoint and SPSS. Familiar with Access, ArcView, STATA and SAS.