

RESUME

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Current Positions

- August 2011 - Visiting Professor, School of Public Health, *Jackson State University*, Jackson, Mississippi, USA.

Previous Positions

August 2006 - November 2010: Professor of Pediatrics, Medicine and Clinical Health Sciences, *University of Mississippi Medical Center*, Jackson, MS 39216. Served as Principal Investigator of the National Children's Study for Mississippi (Hinds County).

September 2001- July 2006: Professor of Public Health, *Jackson State University*, Jackson, MS; Director, Institute of Epidemiology and Health Services Research; Principal Investigator, Center of Excellence in Minority Health (NIH P20 "EXPORT" grant). Partners included the University of Mississippi Medical Center, the Jackson Medical Mall Foundation, and the Center for Minority Health, Graduate School of Public Health, University of Pittsburgh. Co-Principal Investigator, National Center for Biodefense Communications, JSU (Funded by the USDA). Interim Coordinator, Doctor of Public Health Degree Program.

1999 - 2001 -- Professor of Public Health (Epidemiology) and Director, Public Health Program, College of Health Sciences, *Des Moines University Osteopathic Medical Center*, Des Moines, Iowa 50312.

1997 - 1998 -- Research Epidemiologist, Institute for Health Services Research, *Carolinas Medical Center, Carolinas Healthcare System*, Charlotte, NC.

1992 - 1999— *Chalfont Corporation*. Consultant Epidemiologist/Grantsman. Consulted with health care organizations including CIGNA HealthCare of Louisiana, Tenet Physician Services, and Ochsner Health Plan, on quality management and performance monitoring, evaluation and research.

1992 - 1997— *Louisiana State University Medical Center*, New Orleans; Adjunct Lecturer in Biostatistics/Epidemiology, Department of Obstetrics & Gynecology, Adjunct Lecturer in Research Methods and Criminology, Loyola and Tulane Universities, New Orleans.

1981 - 1992—*Louisiana State University Medical Center, New Orleans*: Assistant Professor of Medicine and Pediatrics. Data Manager/Epidemiologist, Louisiana Rehabilitation Institute and Louisiana Regional Model Spinal Cord Injury System, Charity Hospital, New Orleans, 1982-1990; Coordinator, hospital component of Severe Pediatric Under-nutrition Surveillance in Louisiana (funded by CDC, 1987-1989). Director, Clinical Trials Unit, LSU Eye Center, 1991-1992.

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1973 - 1982— *City College, Loyola University*, New Orleans. Assistant and Associate Professor of Sociology and Criminology; Coordinator, Criminal Justice Program; Founder and Coordinator, Preventive Criminology Program (granted tenure, 1976).

Education

Doctor of Public Health degree (Epidemiology), Tulane University School of Public Health and Tropical Medicine (TSPHTM), New Orleans, Louisiana.

Master of Public Health degree (Epidemiology), TSPHTM.

Neurosciences course, Louisiana State University Medical Center, New Orleans, and Psychophysiology Training Institute, Harvard Medical School.

Postgraduate student, London School of Economics and Political Science.

Master of Arts degree (Sociology), University of Essex, Colchester, U.K.

Bachelor of Arts degree (Sociology and Psychology), McGill University, Montreal, Canada.

Honors and Awards

Grant from the Goldsmith's Company of London to attend McGill University, Montreal; Postgraduate Studentship, LSE; NATO Study Award, Harvard Medical School; U.S. Public Health Service Traineeships, Tulane University School of Public Health; President-Elect, Iowa Public Health Association; \$1 million level Grantsmanship Award, Jackson State University; Gold Medallion Grantsmanship Award (for grants/contracts >\$10 million), University of Mississippi Medical Center.

Administrative Assignments and Community Service (since 2001)

2001	President-Elect, Iowa Public Health Association. Director, Institute for Epidemiology and Health Services Research, College of Public Service, Jackson State University. Funded by the Centers for Disease Control and Prevention (\$1 m/year; 50% effort, 2001-2006).
2002-2004	Member, Mississippi Chronic Illness Coalition. Mississippi Obesity Council. Mississippi Lung Association.
2003-	Principal Investigator, Project EXPORT (Excellence in Partnerships for Community Outreach, Research on Health Disparities, and Training (P20 grant, National Institute on Minority Health and Health Disparities) (\$4.5 million; 2003-2006). Co-Principal Investigator, National Center for Biodefense Communications, Jackson State University (2003-2006), funded by the U.S. Department of Agriculture (\$350,000/year). Reviewers' Panel, <i>International Journal of Environmental Research and Public Health</i> (ISSN 1660-4601). Reviewer for <i>The Lancet</i> . Member, Editorial Board and reviewer for <i>Medical Science Monitor</i> . Reviewer for the <i>American Journal of Epidemiology</i> . Member, Diabetes Prevention and Control Program, MS Department of Health.
2004-2006	Member, Ancillary Studies Committee, Jackson Heart Study. Vice President's Advisory Committee on Research, Jackson State University. Reviewer for <i>Evidence-Based Public Health and Healthcare</i> . Member, Joint Commission on Health Disparities, Jackson State University and

	<p>the University of Mississippi Medical Center. Chair, Doctoral Dissertation Course Committee, College of Public Service, Jackson State University. Accreditation Committee, School of Public Health. Curriculum Committee, School of Public Health. Jackson Women’s Health and Advocacy Center, Planning Committee, Graduate School Committee, Jackson State University. Interim Coordinator, Doctor of Public Health Degree Program, Jackson State University. Member, External Advisory Board, Center for Minority Health, Graduate School of Public Health, University of Pittsburgh.</p>
2005-	<p>Reviewer for the <i>American Journal of Respiratory and Critical Care Medicine</i>. Reviewer for the <i>American Journal of Disaster Medicine</i>. Reviewer for the <i>American Journal of Public Health</i>. Member, Ad Hoc Editorial Board for the <i>Journal of Public Administration and Management</i> (Special Issue on International Public Health) (2005).</p>
2006-2010	<p>Principal Investigator, State Epidemiology Outcomes Workgroup (SEOW), Mississippi Department of Mental Health. Contract renewed for 2009-2010 (\$44,000/year; 10% effort). Director, Research Core, Mississippi Institute for Improvement of Geographic and Minority Health (2006-2007), funded by the Office of Minority Health, DHHS (15% effort).</p>
2007-2009	<p>Principal Investigator (9/2007-7/2009), National Children’s Study—Hinds, County, MS Study Center and Site. Contract No. HHSN267200700030C. National Institutes of Diabetes and Digestive and Kidney Diseases (NIDDK), Office of Acquisitions, NICHD Branch, Bethesda, MD. 9/28/2007-9/27/2012 (\$12.8 million/5 years, 20% effort). Reviewer for <i>Metabolism</i>.</p>
2010	<p>Reviewer for the <i>Open Neurology Journal</i>. Reviewer for <i>Cell Biology and Toxicology</i>. Principal Investigator, State Epidemiology Outcomes Workgroup (SEOW), Mississippi Department of Mental Health. Contract renewed for 2010-2011 (\$35,000/year; 10% effort).</p>
2011	<p>Principal Investigator (6/2011-5/2012), Retinoid profiles in onchocerciasis: field study in Tanzania, in collaboration with the National Institute for Medical Research, Tanzania. Investigator-Initiated Research study, funded by Pfizer Inc. (\$189,000). Principal Investigator, research project on “Vaccination status and health outcomes among homeschool children”, funded by Generation Rescue, Inc. (\$150,000). Reviewer for <i>Neural Regeneration Research</i>. Member of the Editorial Board, <i>ISRN Public Health</i>.</p>
2012	<p>Member of the Advisory Board, <i>Journal of Emergency & Disaster Medicine</i> (JEDM, www.jedm.org). Reviewer for <i>Natural Hazards</i>. Member, Board of Directors, Mississippi Boy Choir.</p>
2013	<p>Academic Editor, <i>International Journal of Tropical Medicine and Public Health</i>. Guest Editor, upcoming Special Issue on Contemporary Challenges in Public Health, <i>International Journal of Environmental Research and Public Health</i>. Reviewer for <i>International Journal of Mass Emergencies and Disasters</i></p>

	Reviewer for <i>Brain Pathology</i> . Reviewer for the <i>British Journal of Education, Society & Behavioural Science</i> Reviewer for <i>Biomedicine</i> , Springer International Publishing, New York Reviewer for the <i>Journal of Injury and Violence Research</i> .
2014	Reviewer for <i>Translational Neurodegeneration</i> Reviewer for the <i>Journal of Clinical Psychopharmacology</i> . Reviewer for the OMICS Publishing Group/ACR
2015	Reviewer for Bentham Science Publishers Member, Editorial Board, Current Trends in Gynaecologic Oncology

Teaching and Academic Advising:

Extensive experience: developed many courses and served as mentor/advisor to numerous graduate students.

Major Research Areas and Interests

I am an interdisciplinary epidemiologist and social scientist with special interests in the evolutionary-adaptive origins of health disparities, the perinatal origins of chronic diseases, and the role of psychosocial factors in health and disease. Recent work has included investigator-initiated research grant from Pfizer (on “river blindness”, with Williams H. Makunde, MD, MPH, National Institute for Medical Research, Tanzania); on sickle cell disease, with Suvankar Majumdar, MD; and health services research (Dwoskin Family Foundation).

Personal Data

Born in Watford, Hertfordshire, England; United States citizenship granted: 11/22/04. Married, two children. Past President, World Future Society, New Orleans. Member, Rotary Club of Jackson and Galloway United Methodist Church.

Recent Selected Publications

Mawson AR. Burkitt’s lymphoma: a new hypothesis. *Acta Tropica* (submitted).

_____, Majumdar S. Vitamin A and sickle cell disease: A new theory. *Medical Hypotheses* (in revision, 2015).

_____, Jacob B, Radford NT. Is Persistent Developmental Stuttering due to birth-associated hypoxic-ischemic brain injury? (Submitted to *Annals of Neurology*).

_____, Ray BD, Bhuiyan A. Vaccination and health outcomes (provisional title, submitted to *BMC: Health Services Research*).

Lakhan R, _____. Identifying children with intellectual disabilities in the tribal population of Barwani District in State of Madhya Pradesh, India. *Journal of Applied Research in Intellectual Disabilities*. 2015. doi: 10.1111/jar.12171.

Mawson AR, Eriator I, Karre S. The pathogenesis of Stevens-Johnson syndrome and toxic epidermal necrolysis (SJS/TEN): Could retinoids play a causative role? *Medical Science Monitor* 2015; 21:133-43. doi: 10.12659/MSM.891043.

<http://www.medscimonit.com/download/index/idArt/891043>

_____, Walley KE Jr. Toward a long-term strategy for preventing motor vehicle crashes and injuries: the case for automation. *International Journal of Environmental Research and Public Health* 2014; 11(8):8123-36. doi: 10.3390/ijerph110808123.

_____. Retinoids, race, and the pathogenesis of dengue hemorrhagic fever. *Medical Hypotheses* 2013 Aug 13. doi:p11: S0306-9877(13)00393-9. 10.1016/j.mehy.2013.08.004.

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<http://www.medical-hypotheses.com/article/S0306-9877%2813%2900393-9/abstract>
_____. Mefloquine neurotoxicity, retinoids and violence: hypothesis. *Medical Science Monitor* 2013; 19: 579-583; DOI: 10.12659/MSM.8890332013).
<http://www.medscimonit.com/download/index/idArt/889033>
_____, Wang X. Breastfeeding, retinoids and postpartum depression: a new theory. *Journal of Affective Disorders* 2013; 150:1129-1135. DOI information: 10.1016/j.jad.2013.05.038
<http://www.sciencedirect.com/science/article/pii/S0165032713004175>
_____. The pathogenesis of malaria: A new perspective. *Pathogens and Global Health* 2013; 107(3):122-129.
<http://www.ingentaconnect.com/content/maney/atmp/2013/00000107/00000003/art00005?token=0059167f58afcc39412f415d763f25242c232b465f7a42762530482972715a614f6d4e227adc022dda9ede43f>
_____, Kerson T, Callender J. From shopping mall to village: Retrofitting the built environment for the 21st century. *World Health Design*, April 2013; 6(2):64-69. ISSN 1654-9694.
www.worldhealthdesign.com
_____. Retinoids in the treatment of glioma: a new perspective. *Cancer Management and Research* 2012; 2012(4):233-241. <http://www.ncbi.nlm.nih.gov/pubmed/22904645>
_____. Role of fat-soluble vitamins A and D in the pathogenesis of influenza: A new perspective. *ISRN Infectious Diseases* Volume 2013 (2013), Article ID 246737, 26 pages
<http://dx.doi.org/10.5402/2013/246737>
_____. Toward a theory of learning disorders, hyperactivity and aggression. *ISRN Psychiatry* Volume 2012 (2012), Article ID 589792, 19 pages doi:10.5402/2012/589792
<http://www.hindawi.com/isrn/psychiatry/2012/589792/>
Younis MZ, Jaber S, Mawson AR, Hartmann M. Estimating the unit costs of public hospitals and primary healthcare centers. *International Journal of Health Planning & Management* 2012 Nov 5. doi: 10.1002/hpm.2147.
Younis R, Younis M, Hamidi S, Musmar M, Mawson AR. Causes of traumatic brain injury in patients admitted to Rafidia, Al-Ittihad and the Specialized Arab Hospitals, Palestine (2006-2007). *Brain Injury* 2011; 25(3):282-291.
Tian N, Penman AD, Manning RD Jr, Flessner MF, Mawson AR. Association between circulating specific leukocyte types and incident chronic kidney disease: the Atherosclerosis Risk in Communities (ARIC) study. *Journal of the American Society of Hypertension* 2012 Mar-Apr; 6(2):100-8. doi: 10.1016/j.jash.
Tian N, Penman AD, Mawson AR, Manning RD Jr, Flessner MF. Association between circulating specific leukocyte types and blood pressure: the Atherosclerosis Risk in Communities (ARIC) Study. *Journal of the American Society of Hypertension* 2010; 4(6):272-83.
Berget RJ, Reynolds CF, Ricci EM, Quinn SC, Mawson AR, Payton M, Thomas SB. A plan to facilitate the early career development of minority scholars in the health sciences. *Social Work and Public Health* 2010; 25(6):572-90.
Mawson AR. The hands of John Snow: clue to his untimely death? *Journal of Epidemiology and Community Health* 2009; 63(6):497-9.
_____. On the association between low resting heart rate and chronic violence: retinoid toxicity hypothesis. *Progress in Neuro-Psychopharmacology and Biological Psychiatry* 2009; 33(2):205-13.
_____. Bone pain, growth failure and skin rash after an upper respiratory illness in a boy with autism: possible association with altered retinoid metabolism. *Clinical Pediatrics* 2009;

48(1):21-5.

Jacob B, Mawson AR, Payton M, Guignard JG. Disaster mythology and fact: Hurricane Katrina and social attachment. *Public Health Reports* 2008; 123:555-566.

Mawson AR. *Mass Panic and Social Attachment: The Dynamics of Human Behavior*. Ashgate Publishers: Aldershot, U.K., 2007 (309 pp).

_____. Understanding mass panic and other collective responses to threat and disaster. *Psychiatry: Interpersonal and Biological Processes* 2005; 68: 95-113 (with commentaries by Ann Norwood, Beverley Raphael and Benigno Aguirre, pp. 114-129).

_____. Intentional injury and the behavioral syndrome. *Aggression and Violent Behavior* 2005; 10 (March-April):375-405.

_____. Commentary: Strategies to reduce caesarean section delivery rates should be strengthened and diversified beyond a mandatory second opinion. *Evidence-Based Public Health & Healthcare* 2004; 8:392-395.

_____. Ethics of large clinical trials in rapidly lethal diseases. *Lancet* 2003; 361:1296.

_____. Effects of antiretroviral therapy on occurrence of preeclampsia. *Lancet* 2003; 361:347-48.

_____, WaKabongo M. Onchocerciasis-associated morbidity: hypothesis. *Transactions of the Royal Society of Tropical Medicine and Hygiene* 2002; 96:1-2.

_____, Guignard JC. Preventing heat-induced death in vehicles. *American Journal of Preventive Medicine* 2002; 23(3):233-4.

_____. Reducing cesarean section delivery rates in managed care organizations. *American Journal of Managed Care* 2002; 8:730-740.

_____, Lapsley PM, Hoffman A, Guignard J. Preventing lethal violence in schools: the case for entry-based weapons screening. *Journal of Health Politics, Policy, and Law* 2002; 27 (April):243-260, with editorial and commentaries by Jackson Toby and David Hemenway.

_____. On not taking the world as you find it—epidemiology in its place. *Journal of Clinical Epidemiology* 2002; 55:1-4.

_____. Could bronchial asthma be an endogenous, pulmonary expression of retinoid intoxication? *Frontiers in Bioscience* 2001; 6:d973-985.

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Erickson JM, Mawson AR. Possible role of retinoid (vitamin A) intoxication in the pathophysiology of primary biliary cirrhosis. *Journal of Theoretical Biology* 2000 (Sept 7); 206(1):47-54.

Mawson AR. Reinterpreting physical violence: outcome of intense stimulation-seeking behavior. *Academic Emergency Medicine* 1999; 6:863-865.

_____. Addiction as stimulation-seeking behavior: implications for treatment. *Integrative Medicine* 1999; 2:27-30.

_____. Stimulation-induced behavioral inhibition: a new model for understanding physical violence. *Integrative Physiological and Behavioral Science* 1999; 34(3): 177-197.

_____. Breast cancer in female flight attendants. *Lancet* 1998; 352:626 (letter, August 22, with responses and rejoinders, October 24, 1998 issue).

_____. The place of hysterectomy in the management of benign uterine disease. *HMO Practice* 1996; 10:69-74. (Result of work with CIGNA Healthcare of Louisiana).

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_____, Jacobs KW, Winchester Y, and Biundo JJ Jr. Sensation-seeking and traumatic spinal cord injury: Case-control study. *Archives of Physical Medicine and Rehabilitation* 1988; 69:1039-1043.

Linares HA, Mawson AR, Suarez E, and Biundo JJ Jr. Association between pressure sores and immobilization in the immediate post-injury period. *Orthopedics* 1987; 10:571-573.

Mawson AR. *Transient Criminality: A Model of Stress-Induced Crime*. Praeger Publishers, New York, 1987 (335 pp).

_____, Biundo JJ Jr. Contrasting beliefs and actions regarding seat belts: a study in New Orleans. *Journal of Trauma* 1985; 25:433-437.

_____. Hypervitaminosis A toxicity and gout. *Lancet* 1984; i (May 26): 1181 (letter).

Recent Abstracts/Posters

Shahbazi M, Mawson AR, Wiggins C, Shirley A, Dove C. The roles of community health houses and community health workers in an innovative primary health care system in Mississippi: the Health House Project. Abstract accepted for presentation at the Society for Applied Anthropology, Annual Conference, 2014.

Lakhan R, Mawson AR. Social, environmental and biological determinants of intellectual disabilities in India. Tenth International Symposium on Recent Advances in Environmental Health Research, 2013; Sep. 15-18; 39/PA. Available from URL:

<http://ehr.cset.jsu.edu/10cd/StudentPdf/Student%2039.pdf>

Mawson AR, Bennett W, Tanumihardjo S, Mills J, Smith A, Kirui P, May W, Martin JN Jr. Altered retinoid profiles in an animal model of preeclampsia, gestational diabetes and fetal growth restriction. Presented at the 57th Annual Meeting of the Society for Gynecological Investigation, Orlando, FL, March 26, 2010. *Reproductive Science* 2010; 17 (3): 235A (Supplement, Abstract 592).

Tian N, Penman AD, Mawson AR. Circulating specific leukocyte types and blood pressure: the Atherosclerosis Risk in Communities (ARIC) study. Poster presented at the Global November 7, 2015

Obesity Summit, Jackson, MS (November 2010).

Keku E, Kang J, Hassan A, Payton M, Mawson AR. Obesity reduction through utilization of a Jackson Medical Mall for Mall-Walk in Jackson, MS. Poster presented at the 138th Annual Meeting of the American Public Health Association, November 6-10, 2010; Denver, Colorado (Tuesday, November 9, 2010: 4:30 PM).

Mawson AR, Karre S. Eating as bodily self-stimulation: implications for weight control. Poster presented at the Global Obesity Summit 2010, University of Mississippi Medical Center, Jackson, MS 39216 (November 9-11, 2010).

Tian N, Penman AD, Mawson AR, Manning RD Jr, Flessner MF. Association between circulating specific leukocyte types and incident chronic kidney disease: the Atherosclerosis Risk in Communities (ARIC) Study. Global Obesity Summit Meeting, Jackson, MS, November, 2010. Farah IO, Trimble Q, Ndebele, Mawson AR. Retinoids and citral modulated cell viability, metabolic stability, cell cycle progression and distribution in the A549 lung carcinoma cell line. Presented at the American Association for Cancer Research, Denver, CO, April 18, 2009. (Supported by NCMHD and JSU's Project EXPORT).

Boler PB, Holdiness A, Minor D, Butler K, Wofford M, Mawson AR. The Social Attachment Scale for Adults (SATS-A): correlations with medication adherence and social support. Presented at the Annual Meeting of the American Society of Health-System Pharmacists. 2009.

Boler P, Holdiness A, Minor D, Butler K, Wofford M, Mawson A. Predictive validity and reliability of the social attachment scale for adults (SATS-A). Mississippi Academy of Sciences Annual Meeting, Olive Branch, Mississippi, February 11, 2010; *Journal of the Mississippi Academy Of Sciences*, Volume 55(1): 80, 2010.

Mawson, AR, Alla S. Role of retinoids in the pathogenesis and treatment of HIV infection: Hypothesis. Presented at the 135th Annual Meeting & Exposition of the American Public Health Association (November 3-7, 2007), Washington, DC. Section 3277.0: Monday, November 05, 2007 - Board 10, Abstract #160418.

Abram SR, Davis SP, Rudman W, Brown A, Arthur C, Mawson AR, Sanders T, Cosby A, Jones WA. Tackling significant health disparities faced by rural and disadvantaged minority populations in the state of Mississippi. The Mississippi Institute for Improvement of Geographic Minority Health & the University of Mississippi Medical Center. Jackson, MS 39216. Presented at the 7th Annual Southern States Knowledge in Research Conference: Eliminating Health Disparities in the Southwest (April 20-21, 2007, San Antonio, TX).

Jacob B, Mawson AR. Myth and reality in disasters: The case of Hurricane Katrina. Abstract 137174 selected for Oral presentation, 134th Annual Meeting (November 4-8, 2006) in Boston, MA (Session: 5055.0, Emergency and Disaster Preparedness II, scheduled for Wednesday, November 8, 2006 at 8:30 AM). (Supported by NCMHD and JSU's Project EXPORT).

Kirui P, Mawson AR. Are streptozotocin-induced disorders of pregnancy and adverse reproductive outcomes associated with alterations in retinoid metabolism? Presented at the 133rd Annual Meeting, American Public Health Association, December, 2005, Philadelphia, PA. (Supported by NCMHD and JSU's Project EXPORT grant).

Howard NH, Mawson AR. Effect of aerobic exercise and therapeutic massage on intimate partner violence. Poster Presentation (Abstract #1088003152.0), American Public Health Association, 133rd Annual Meeting & Exposition, Philadelphia, PA, December 10-14, 2005.

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Hayes, S, Mawson AR, Martin JN, Jr., Briery C. Role of retinoids in the development of preeclampsia and low birthweight. Presented at the Public Health Student Caucus of the 133rd Annual Meeting of the American Public Health Association, December, 2005, Philadelphia, PA. (Supported by NCMHD and JSU's EXPORT grant).

Jacob B, Mawson AR. Retinoid metabolism in bronchial asthma: case-control study. Presented at the American Public Health Association Student Caucus of the 133rd Annual Meeting, American Public Health Association, December, 2005, Philadelphia, PA. (Supported by NCMHD and JSU's Project EXPORT grant).

Patent

Mawson AR. Method for diagnosing gestational diabetes, preeclampsia, and fetal growth restriction. United States Patent Number 8,883,512 B1. Date of Patent: November 11, 2014.
<http://www.google.com/patents/US8883512>

References available upon request