

CURRICULUM VITAE

Edwin Michael Kilbourne, MD

Position/Address: **Senior Partner**
Martin, Blanck, & Associates
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E-mail: ed.kilbourne@martin-blanck.com

Birth date: October 1, 1953

Birth place: New Orleans, Louisiana

Current Age: 56 years

Citizenship: U.S.A.

Married: November 26, 1982; Barbara W. Kilbourne

Children: David Edwin (21 yrs), Michael Robert (20 yrs),
Rebecca Lee (17 yrs), Kate Melissa (14 yrs)

Clearance: **Top Secret** (currently inactive)

Education

Baccalaureate: **A.B. "with distinction in all subjects" - Cornell University,**
June 3, 1974, Ithaca, New York

Doctoral: **M.D. - Cornell University Medical College,**
May 24, 1978, New York, New York

Current Positions and Appointments

April 2007 – Present: **Senior Partner**, Martin, Blanck & Associates

Expert consultant in Biodefense, toxicology, epidemiology, and public health.

May 1998 - Present: **Medical Toxicologist**, Georgia Poison Center (GPC), Atlanta, Georgia.

Bedside care of hospitalized and emergency department patients who are intoxicated or poisoned by medicines or biological or environmental chemical agents. Through GPC, the poison center with 3rd largest volume of human exposures in the country, I advise on treatment of such patients throughout the state.

October 1997 - Present: **Clinical Assistant Professor**, Department of Medicine, Emory University School of Medicine, Emory University, Atlanta, Georgia

. Prerequisite for my clinical and teaching privileges as consulting medical toxicologist in the Emory University system.

September 1991 - Present: **Adjunct Associate Professor**, Division of Environmental and Occupational Health, Rollins School of Public Health, Emory University, Atlanta, Georgia.

Teach various aspects of environmental and occupational medicine and public health.

Positions Previously Held (Paid)

September 2006 – April 2007 **Senior Consultant, expertisia[®], Inc.**

Senior consultant on issues of epidemiology, public health surveillance, environmental hazards, medical toxicology, WMD-based terrorism and non-proliferation.

July 2005 – August 2006: **Director, Weapons Scientist Redirection Program**
also **Director, Iraq Interim Institute for Science & Industry, Baghdad, Iraq.**

Served on-site in Baghdad for one year as the executive director of the U.S. State Department program to assure that scientists and engineers with expertise in key areas of WMD and advanced weapons system do not fall in with the Iraqi insurgents or unfriendly governments. This program, successfully conducted, involved working in coordination with the military and the various intelligence agencies on the ground in Iraq.

October 2003 – June 2005: **Chief Medical Officer (rank O-6 / O-7 billet)**, for both (1) the Agency for Toxic Substances & Disease Registry (ATSDR), and (2) the National Center for Environmental Health, CDC, in Atlanta, Georgia.

Responsible for medical affairs, including all projects of both agencies that affect medical practitioners. I and my staff provide expert consultation on toxicological and environmental aspects of chemical terrorism issues. An additional duty is employee health and safety. Continuing to act in the role of Director, Geographic Information Systems.

July 2002 – June 2005 **Acting Director**, Public Health Geography Program, Agency for Toxic Substances & Disease Registry (ATSDR), Atlanta, Georgia.

Leadership of U.S. Department of Health and Human Services' premier group of experts in geography and geographic information systems, including support of anti-terrorism activities at the Centers for Disease Control and Prevention (CDC) and at the Department of Health and Human Services, Secretary's Command Center.

October 2003 – June 2005: **Chief Medical Officer (rank O-6 / O-7 billet)**, for both (1) the Agency for Toxic Substances & Disease Registry (ATSDR), and (2) the National Center for Environmental Health, CDC, in Atlanta, Georgia.

Responsible for medical affairs, including all projects of both agencies that affect medical practitioners. I and my staff provide expert consultation on toxicological and environmental aspects of chemical terrorism issues. An additional duty is employee health and safety. Continuing to act in the role of Director, Geographic Information Systems.

December 2000 – October 2003: **Associate Administrator for Public Health**, Agency for Toxic Substances & Disease Registry (ATSDR), Atlanta, Georgia.

Senior scientific and leadership role in the HHS Agency with principal responsibility for evaluation of the hazards posed by environmental pollution and toxicants. October 1999

December 2000 **Acting Deputy Director (SES Position/presumptive O-7 Billet)**, Epidemiology Program Office (EPO), CDC, Atlanta, Georgia.

Duties: Scientist-manager of one of the CDC's principal operating units.

December 1998 - October 1999 **Senior Medical Officer**, Division of Environmental Hazards & Health Effects, National Center for Environmental Health (NCEH), Centers for Disease Control & Prevention (CDC), Atlanta, Georgia.

Duties: Recruited to develop new position to deal with emerging issues in medical toxicology, including prevention and management of biological/chemical terrorism and to promote CDC's involvement with poison control centers in the service of public health. Position involved formulation and implementation of innovative research strategies, teaching and mentoring of other staff, and providing consultation on issues of medical toxicology, climate-related health effects, and other environmental health issues.

June 1996 - November 1998 **Director (O-7 billet)** , Data Management Division, National Immunization Program, CDC.

Duties: Director of 60-FTE division responsible for (1) nationwide quantification of immunization coverage, including principal responsibility for the National Immunization Survey (NIS), the largest federal telephone survey; (2) data processing and electronic data interchange (EDI) for the national vaccine ordering system, processing orders totaling approximately half a billion dollars annually; (3) development and maintenance of ACASA@ software for assessment of the effectiveness of healthcare provider immunization activities; (4) support for state, local, and private computer-based immunization tracking systems (immunization registries); and (5) statistical and data management support for scientific and programmatic activities of the National Immunization Program.

May 1995 - May 1996 **Assistant Director**, Epidemiology Program Office (EPO), Centers for Disease Control & Prevention (CDC), Atlanta, Georgia.

Duties: Assistant Director--with special focus on public health informatics--of one of the principal operating units of CDC. Principal tasks: (1) to promote the development of key concepts related to the use of new information science and technology in epidemiology and public health practice, (2) to enhance the dissemination and understanding of those concepts both within and outside of EPO, and (3) to bring vision and leadership to issues and specific programs related to informatic applications in epidemiologic science, public health teaching and practice, and scientific communications.

October 1990 - May 1995: **Assistant Director for Science**, Epidemiology Program Office (EPO), Centers for Disease Control & Prevention (CDC), Atlanta, Georgia.

Duties: Assistant Director of one of the principal operating units of CDC. Along with management duties, responsible for maintenance and improvement of scientific quality in a 260+ person organization within CDC with responsibility for coordination of national surveillance of notifiable and other diseases, publication of the *Morbidity and Mortality Weekly Report* (MMWR) series, epidemiologic training of EIS Officers (CDC epidemic investigator trainees) and other personnel, and direct supervision of EIS Officers assigned to State and local health departments.

May 1989 - September 1990: **Chief**, Health Studies Branch, Division of Environmental Hazards and Health Effects, Center for Environmental Health and Injury Control, Centers for Disease Control, Atlanta, Georgia.

Duties: Chief of 16-person branch conducting epidemiologic investigations of a wide variety of toxicologic, climate-related, and other environmental health problems.

June 1987 - April 1989: **Medical Epidemiologist**, Health Studies Branch, Division of Environmental Hazards and Health Effects, Center for Environmental Health and Injury Control, Centers for Disease Control, Atlanta, Georgia.

Duties: Senior staff epidemiologist investigating toxicologic and other environmental health problems.

March 1985 - May 1987: **Medical Epidemiologist**, Center for Environmental Health, Centers for Disease Control, **on overseas assignment in Madrid, Spain.**

Duties: On solo assignment as consultant to Spanish Government on scientific issues related to the Spanish toxic oil syndrome epidemic that affected over 20,000 persons.

July 1983 - February 1985: **Chief**, Investigations Section, Special Studies Branch, Center for Environmental Health, Centers for Disease Control, Atlanta, Georgia.

Duties: Chief of a 22-person multi-specialty environmental health group involved in epidemiologic research and consultation on environmental health issues.

July 1982 - June 1983: **Resident in Internal Medicine**, University of Alabama Hospitals, Birmingham, Alabama.

Duties: Usual clinical, teaching, and consultative responsibilities of a senior medical resident.

July 1980 - June 1982: **Epidemic Intelligence Service Officer**, Special Studies Branch, Center for Environmental Health, Centers for Disease Control, Atlanta, Georgia.

Duties: CDC fellowship as epidemic investigator involved in environmental epidemiologic research.

July 1978 - June 1980: **Resident in Internal Medicine**, University of Alabama Hospitals, Birmingham, Alabama.

Duties: Straight medical intern (1978-79) and junior medical resident (1979-80).

Positions Previously Held (Unpaid)

January 2000 – December 2006: **Member, Subboard for Medical Toxicology**, American Boards of Emergency Medicine, Pediatrics, and Preventive Medicine.

Served 7-year term in group of 8 physicians who set standards for core content and develop the subspecialty certifying and recertifying exams for physicians practicing the subspecialty of medical toxicology.

May 1999 – December 2006: **Member, Editorial Board**, American Journal of Preventive Medicine

Foreign Language Skills

Spanish	Speak fluently, read well, write moderately well.
French	Speaking rusty, read well.
Portuguese	Speak poorly, read technical documents well
Arabic	Minimal (“survival”) Arabic.

Professional Qualifications

Diplomate of the National Board of Medical Examiners, July 2, 1979 #202191.

Licensed to Practice Medicine in the states of:

- Alabama (License number 8899 granted July 18, 1979; inactive)
- Georgia (License number 30333 granted December 3, 1987).

Board Certified in Internal Medicine (American Board of Internal Medicine, September 12, 1984).

Board Certified in Public Health and General Preventive Medicine (American Board of Preventive Medicine, January 26, 1988).

Board Certified in Medical Toxicology (American Boards of Emergency Medicine, Pediatrics, and Preventive Medicine, December 1998)

Clinical Privileges: Grady Health System (Emory University Teaching Affiliate),
80 Jesse Hill Drive, Atlanta, Georgia 30303
(currently on leave of absence)

Skills in Information Technology & Informatics

- Employed as Computer Programmer, summers during medical school
- Environment: Mainframe, Micro, LAN, WAN, Internet
- Programming Languages: Basic, APL, Pascal, C, C++, Java, HTML, Perl, PHP, Javascript
- Database Management Access, SAS, Epi-Info, MS-Access, MySQL
- Statistical Analysis: SAS, BMDP, SPSS, Epi-Info, Stat-Exact, Log-Exact, & many others
- Am familiar with web-based systems for public health surveillance and other types of data collection and management
- “Hands-on” familiarity with TCP/IP networking, network set-up and diagnostics, and principles and practical management and maintenance of a local area network with or without WAN and/or Internet connectivity

Recognition

Alexander D. Langmuir Prize (1982) for excellence in epidemiology. (Awarded once yearly by the EIS alumni of the Centers for Disease Control & Prevention.)

Member, WHO Scientific Steering Committee for the Toxic Oil Syndrome (Meets twice yearly in Copenhagen, Denmark. Grants funds to toxic oil researchers and makes decisions to invite grant applications from researchers whose expertise is considered important to finally identify the etiologic agent.)

Fellow, American College of Preventive Medicine

"Evaluator" Spanish Government's National Evaluation Agency of the Interministerial Commission for Science and Technology.

Fellow, American College of Physicians.

Exceptional Capability Promotion (10/1/91) to USPHS rank O-6 (Medical Director) 3 years prior to the date on which I would otherwise have been eligible based on longevity. This is a rare honor in the PHS, awarded to about 2 to 3 officers per year in a Corps of about 5,500.

Member, American Epidemiological Society (3/25/93)

U.S. Government Top Secret Security Clearance (inactive)

Award in Communication Services (6/26/96), for development of the Internet-Accessible Electronic Version of CDC's *Morbidity and Mortality Weekly Report* Series.

CDC & ATSDR Group Honor Award in Collaborative Success (6/23/99)
Y2K Compliance Project

The **FBI Assistant Director for Science** presented a special award to agencies I serve (ATSDR/CDC) for PHS deployment I led to anthrax-contaminated building in Boca Raton, Florida. Deployment was for scientific, logistical, and medical support of FBI forensic operation

Fellow, American College of Medical Toxicology

U.S. Public Health Service Decorations & Awards**(reverse chronological order)**

09/06/02	Outstanding Unit Citation		DHHS Terrorist Response Team
06/26/00	Outstanding Unit Citation		Operation Provided Refuge for Kosovars
07/23/99	Crisis Response Service Award	B	Medical Care for Kosovar Refugees
01/01/98	Bicentennial Unit Commendation		USPHS Bicentennial ribbon
12/09/97	Outstanding Unit Citation		For achieving the Childhood Immunization Initiative of 1996 vaccine coverage objectives and the highest immunization levels ever recorded in the United States
08/14/97	Outstanding Service Medal		For improving science and advancing the use of technology in the CDC=s Epidemiology Program Office
08/27/96	Outstanding Unit Citation		For providing effective electronic communication of vital public health information to the international public health community.
12/14/96	Outstanding Unit Citation	--	For work done investigating epidemic optic neuritis and peripheral neuropathy in Cuba.
02/02/93	Regular Corps Ribbon	--	Confirmed as regular officer by the Senate
04/11/91	Outstanding Unit Citation	--	For work done on the epidemic of eosinophilia-myalgia syndrome (EMS) related to L-tryptophan ingestion.
12/18/90	Unit Commendation	--	For work done on the development of the Year 2000 Health Objectives for the Nation.
03/27/90	Unit Commendation	--	For work to elucidate the role of soybean dust in causing asthma epidemics in the City of Barcelona, Spain.
12/26/89	Unit Commendation	--	For work done in response to the Hurricane Hugo disaster
04/08/88	Commendation Medal	--	For "sustained high quality performance in investigation of the Toxic Oil Syndrome."
05/29/85	Foreign Duty Award	--	For service in Spain 2/85 - 6/87

04/01/85 Unit Commendation --

For outstanding work in implementing Superfund legislation.

Review Consultant

- American Journal of Epidemiology
- American Journal of Medicine
- American Journal of Public Health
- American Journal of Preventive Medicine
- Annals of Internal Medicine
- Archives of Internal Medicine
- Archives of Environmental Contamination and Toxicology
- Bulletin of the American Meteorological Society
- Chest
- Climate Research
- Environmental Research
- Food and Chemical Toxicology
- Hepatology
- International Journal of Epidemiology
- Journal of the American Academy of Dermatology
- JAMA
- Kidney International
- Lancet
- Mayo Clinic Proceedings
- Medicine
- Medicine and Science in Sports and Exercise
- Medical Letter
- Nature
- Western Journal of Medicine
- Gaceta Sanitaria (In Spanish, published in Spain)

Review consultant to the following organizations:

- U.S. Environmental Protection Agency
- World Health Organization, Regional Office for Europe
- National Evaluation Agency, Interministerial Commission for Science and Technology, Government of Spain

MEMBERSHIPS

- American College of Physicians (Fellow)
- American College of Preventive Medicine (Fellow)
- American College of Medical Toxicology
- American Epidemiological Society

Bibliography

Peer-Reviewed Articles

- (1) **Kilbourne EM**, Hageman GR, James TN, Urthaler F. Post-excitatory depression in thoracic sympathetic efferent neural traffic during a cardiogenic hypertensive chemoreflex. *Basic Research in Cardiology* 1982;77:423-430.
- (2) Jones TS, Liang AP, **Kilbourne EM**, et al. Morbidity and mortality associated with the July 1980 heat-wave in St. Louis and Kansas City, Missouri. *Journal of the American Medical Association* 1982;247:3327-3331.
- (3) **Kilbourne EM**, Choi K, Jones TS, Thacker SB, and The Field Investigation Team. Risk factors for heatstroke. A case-control study. *Journal of the American Medical Association* 1982;247:3332-3336.
- (4) **Kilbourne EM**, Rigau-Perez JG, Heath CW Jr, Zack MM, Falk H, Martin-Marcos M, de Carlos A. Clinical epidemiology of toxic-oil syndrome. Manifestations of a new illness. *New England Journal of Medicine* 1983;309:1408-1414.
- (5) Turner WE, Hill RH Jr, Hannon WH, Bernert JT Jr, **Kilbourne EM**, Bayse DD. Bioassay Screening for toxicants in oil samples from the toxic-oil syndrome outbreak in Spain. *Archives of Environmental Contamination and Toxicology* 1985;14:261-271.
- (6) Posada M, Castro M, **Kilbourne EM**, et al. Toxic-oil syndrome case reports associated with the ITH Oil Refinery in Sevilla. *Food and Chemical Toxicology* 1987;25:87-90.
- (7) Cañas R, **Kilbourne EM**. Oil ingestion and the toxic-oil syndrome. Results of a survey of residents of the Orcasur neighborhood in Madrid, Spain. *International Journal of Epidemiology* 1987;16:3-6.
- (8) Díaz de Rojas F, Castro García M, Abaitua Borda I, Alonso Gordo JM, Posada de la Paz M, **Kilbourne EM**, Tabuenca Oliver JM. The association of oil ingestion with toxic-oil syndrome in two convents. *American Journal of Epidemiology* 1987;125:907-911.

Peer-Reviewed Articles (cont.)

- (9) Hill RH Jr, Todd GD, **Kilbourne EM**, Cline RE, McGraw J, Orti DL, Bailey SL, Needham LL. Gas chromatographic/mass spectrometric determination of aniline in food oils associated with the Spanish toxic-oil syndrome. *Bulletin of Environmental Contamination and Toxicology* 1987;39:511-515.
- (10) Bernert JT Jr, **Kilbourne EM**, Akins JR, Posada de la Paz M, Meredith NK, Abaitua Borda I, Wages S. Compositional analysis of oil samples implicated in the Spanish toxic oil syndrome. *Journal of Food Science* 1987;52:1562-1569.
- (11) **Kilbourne EM**, Bernert JT Jr., Posada de la Paz M, Hill RH Jr., Abaitua Borda I, Kilbourne BW, Zack MM, and The Toxic-Epidemiologic Study Group. Chemical correlates of pathogenicity of oils related to the toxic-oil syndrome epidemic in Spain. *American Journal of Epidemiology* 1988;127:1210-1227.
- (12) Bernert JT Jr, Pendergrast AH, Ashley DL, Patterson DG Jr, **Kilbourne EM**, Alexander LR, Posada de la Paz M, Abaitua Borda I. Synthesis of N-(5-Vinyl-1,3-Thiazolidin-2-Yliden)phenylamine and analysis of oils implicated in the Spanish toxic-oil syndrome for its presence. *Food and Chemical Toxicology* 1989;27:159-64.
- (13) Martinez BF, Annet JL, **Kilbourne EM**, Kirk ML, Lui K-J, Smith SM. Geographic distribution of heat-related deaths among elderly persons. Use of county-level dot maps for injury surveillance and epidemiologic research. *JAMA* 1989;262:2246-2250.
- (14) Posada de la Paz M, Abaitua Borda I, **Kilbourne EM**, Tabuenca Oliver JM, Díaz de Rojas F, Castro García M. Late cases of toxic oil syndrome. Evidence that the aetiological agent persisted in oil stored for up to one year. *Food and Chemical Toxicology* 1989;27:517-521.
- (15) Philen RM, **Kilbourne EM**, McKinley TW, Parrish RG. A parentally reported epidemic in an elementary school. Mass sociogenic illness by proxy. *Lancet* 1989;2:1372-6.
- (16) Eidson M, Philen RM, Sewell CM, Voorhees R, **Kilbourne EM**. L-tryptophan and eosinophilia-myalgia syndrome in New Mexico. *Lancet* 1990;335:645-8.

Peer-Reviewed Articles (cont.)

- (17) Rodrigue DC, Etzel RA, Hall S, de Porras E, Velasquez OH, Tauxe RV, **Kilbourne EM**, Blake PA. Outbreak of lethal paralytic shellfish poisoning in Guatemala. *Am J Trop Med Hyg* 1990;42:267-71.
- (18) Ten RM, Kephart GM, Posada M, Abaitua I, Soldevilla L, **Kilbourne EM**, Dunnette SL, Gleich GJ. The participation of eosinophils in the toxic oil syndrome. *Clin Exp Immunol* 1990;82:313-7.
- (19) Agocs MM, Etzel RA, Parrish RG, Paschal DC, Campagna PR, Cohen DS, **Kilbourne EM**, Hesse JL. Mercury exposure from interior latex paint. *New Engl J Med* 1990;323:1096-1101.
- (20) Swygert LA, Maes EF, Sewell LE, Miller L, Falk H, **Kilbourne EM**. Eosinophilia-myalgia syndrome: Results of national surveillance. *JAMA* 1990;264:1698-1703.
- (21) Philen RM, Eidson M, **Kilbourne EM**, Sewell CM, Voorhees R, the New Mexico Eosinophilia-Myalgia Syndrome Study Group. Eosinophilia-myalgia syndrome. A clinical case series of twenty-one patients. *Archives of Internal Medicine* 1991;151:533-7.
- (22) **Kilbourne EM**, Posada de la Paz M, Abaitua Borda I, Diez Ruiz-Navarro M, Philen RM, Falk H. Toxic oil syndrome: A current clinical and epidemiologic summary. *J Am Coll Cardiol* 1991;18:711-7.
- (23) Hertzman PA, Falk H, **Kilbourne EM**, Page S, Shulman LE. The eosinophilia myalgia syndrome: The Los Alamos Conference. *J Rheumatol* 1991;18:867-73.
- (24) James TN, Kamb ML, Sandberg GA, Silver RM, **Kilbourne EM**. Postmortem studies of the coronary arteries, conduction system and neural structures of the heart in three fatal cases of the eosinophilia-myalgia syndrome. *Annals of Internal Medicine* 1991;115:102-110.
- (25) Posada de la Paz M, Philen RM, Abaitua Borda I, Bernert JT, Jr., Bada Gancedo JC, DuClos PJ, **Kilbourne EM**. Manufacturing processes at two French rapeseed oil companies: Possible relationships to toxic oil syndrome in Spain. *Food Chem Toxicol* 1991;29:797-803.

Peer-Reviewed Articles (cont.)

- (26) Kamb ML, Murphy JJ, Jones JL, Nederlof KP, Horney LS, Swygert LA, Falk H, **Kilbourne EM**. Eosinophilia-myalgia syndrome in L-tryptophan-exposed patients. *JAMA* 1992;267:77-82.
- (27) **Kilbourne EM**. Eosinophilia-myalgia syndrome: Coming to grips with a new illness. *Epidemiologic Reviews* 1992;14:16-36.
- (28) **Kilbourne EM**. Informatics in public health surveillance: Current issues and future perspectives. In: Proceedings of the 1992 International Symposium on Public Health Surveillance. *MMWR* 1992;41(Suppl):91-99.
- (29) Philen RM, Hill RH, Flanders WD, Caudill SP, Needham L, Sewell L, Sampson EJ, Falk H, **Kilbourne EM**. Tryptophan contaminants associated with eosinophilia-myalgia syndrome. *Am J Epidemiol* 1993;138:154-9.
- (30) Abaitua Borda I, **Kilbourne EM**, Posada de la Paz M, Diez Ruiz-Navarro M, Gabriel Sánchez R, Falk H. Mortality among persons affected by toxic oil syndrome: Pilot study for retrospective follow-up of the cohort by mailed questionnaire. *Int J Epidemiol* 1993;22:1077-84.
- (31) Posada de la Paz M, Philen RM, Abaitua Borda I, Diez Ruiz-Navarro M, Abaira Santos V, Pozo Rodríguez F, Pla Mestre R, Pollán Santamaría M, Sicilia Socias JM, Azpeitia Gamazo P, Dyer RW, **Kilbourne EM**. Factors associated with pathogenicity of oils related to the toxic oil syndrome epidemic in Spain. *Epidemiol* 1994;5:404-409.
- (32) Hill RH Jr, Schurz HH, Posada de la Paz M, Abaitua Borda I, Philen RM, **Kilbourne EM**, Head SL, Bailey SL, Driskell WJ, Barr JR, Needham LL. Possible etiologic agents for toxic oil syndrome: fatty acid esters of 3-(N-phenylamino)-1,2-propanediol. *Arch Environ Contam Toxicol* 1995;28:259-64.
- (33) The Cuba Neuropathy Field Investigation Team.* Epidemic optic neuropathy in Cuba--clinical characterization and risk factors. *N Engl J Med* 1995;333:1176-1182.

* **Kilbourne EM**, member.

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- (34) **Kilbourne EM**, Philen RM, Kamb ML, Falk H. Tryptophan produced by Showa Denko and epidemic eosinophilia-myalgia syndrome. *J Rheumatol* 1996;(suppl 46)23:81-8.
- (35) Schurz HH, Hill RH Jr, Philen RM, Posada de la Paz M, Abaitua Borda I, **Kilbourne EM**, Bernert T, Needham LL. Analytical measurements of products of aniline and triglycerides in oil samples associated with the toxic oil syndrome. *Arch Toxicol Suppl* 1997;19:53-64.
- (36) Philen RM, Posada de la Paz M, Hill RH, Schurz HH, Abaitua Borda I, Gómez de la Cámara A; **Kilbourne EM**. Epidemiology of the toxic oil syndrome. *Arch Toxicol Suppl* 1997;19:41-52.
- (37) Posada de la Paz M, Philen RM, Abaitua Borda I, Sicilia Socias JM, Gómez de la Cámara A, **Kilbourne EM**. Toxic oil syndrome: traceback of the toxic oil and evidence for a point source epidemic. *Food Chem Toxicol* 1996;34:251-7.
- (38) Posada de la Paz M, Philen RM, Schurz H, Hill RH Jr, Giménez Ribota O, Gómez de la Cámara A, **Kilbourne EM**, Abaitua I. Epidemiologic evidence for a new class of compounds associated with Toxic Oil Syndrome. *Epidemiology* 1999 Mar;10:130-4.
- (39) Yasnoff WA, O=Carroll PW, Koo D, Linkins RW, **Kilbourne EM**. Public health informatics. Improving and transforming public health in the information age. *J Public Health Manag Pract*, 2000;6:67-75.
- (40) Gelpi E, de la Paz MP, Terracini B, Abaitua I, de la Camara AG, **Kilbourne EM**, Lahoz C, Nemery B, Philen RM, Soldevilla L, Tarkowski S; WHO/CISAT Scientific Committee for the Toxic Oil Syndrome. The Spanish toxic oil syndrome 20 years after its onset: a multidisciplinary review of scientific knowledge. *Environ Health Perspect*. 2002;110(5):457-64
- (41) Wolkin AF, Patel M, Watson W, Belson M, Rubin C, Schier J, **Kilbourne EM**, Crawford CG, Wattigney W, Litovitz T. Early detection of illness associated with poisonings of public health significance. *Ann Emerg Med*. 2006 Feb;47(2):170-6.

- (42) Paulozzi LJ, **Kilbourne EM**, Desai HJ. Prescription Drug Monitoring Programs and Death Rates from Opioid Overdose. (Submitted to JAMA, March 2009).
- (43) Paulozzi LJ, Kilbourne EM, Shah N, Landen M, Nolte K, Desai HJ. Risk factors for drug overdose death: A case-control study based on data from the Prescription Drug Monitoring Program in New Mexico. (In preparation.)

Invited Editorials

- (44) **Kilbourne EM**. Toxic-oil syndrome. Epidemic with an elusive etiology. Chest 1985;88:324-325.
- (45) **Kilbourne EM**, Swygert LA, Philen RM, Sun RK, Auerbach SB, Miller L, Nelson DE, Falk H. Interim guidance on eosinophilia-myalgia syndrome. Annals of Internal Medicine 1990;112:85-7.
- (46) **Kilbourne EM**. Cocaine use and death during heat waves. JAMA 1998;279:1828-9.
- (47) **Kilbourne EM**. The spectrum of illness during heat waves. Am J Prev Med 1999 May;16(4):359-60
- (48) **Kilbourne EM**. Heat-related illness: Current status of prevention efforts. Am J Prev Med Am J Prev Med. 2002 May;22(4):328-9.

Book Chapters/Printed Proceedings

- (49) **Kilbourne EM**. Climate and human health. Uses and limitations of meteorologic data with special mention of heat-related illness. In: Proceedings of the First Meeting of the Climate Information User's Group and Conference on the Economic Value of Climate Information. National Oceanic and Atmospheric Administration: Washington D.C., 1981, pp 17-1 to 17-5.
- (50) **Kilbourne EM**. Illness due to thermal extremes. In: Last JM, ed., Maxcy-Rosenau - Public Health and Preventive Medicine, 12th edition, Appleton-Century-Crofts: New York, 1986, pp 703-714.
- (51) **Kilbourne EM**. Tainted oil: A medical mystery in Spain. In: Medical

- and Health Annual (1986), Encyclopedia Britannica, Inc., Chicago, 1986, pp 225-228.
- (52) Lybarger JA, **Kilbourne EM**. Hyperthermia and hypothermia in the elderly. An epidemiologic review. In: Davis BB, Wood WG eds. Homeostatic Function and Aging, Raven Press, New York, 1985, pp 149-156.
- (53) **Kilbourne EM**. Heat Waves. In: Gregg MB, French J, eds. The Public Health Consequences of Disasters. Centers for Disease Control, Atlanta, Georgia, 1986, Chapter 8, pp 8-1 through 8-25.*
- (54) **Kilbourne EM**. Cold Waves. In: Gregg MB, French J, eds. The Public Health Consequences of Disasters. Centers for Disease Control, Atlanta, Georgia, 1986, Chapter 9, pp 9-1 through 9-15.*
- (55) **Kilbourne EM**. Heat Waves. In: Gregg MB, French J, Binder S, Sanderson LM eds. The Public Health Consequences of Disasters 1989. Centers for Disease Control, Atlanta, Georgia, 1989, pp 51-61.*
- (56) **Kilbourne EM**. Cold Environments. In: Gregg MB, French J, Binder S, Sanderson LM eds. The Public Health Consequences of Disasters 1989. Centers for Disease Control, Atlanta, Georgia, 1989, pp 63-68.*
- (57) **Kilbourne EM**. Illness due to thermal extremes. In: Last JM, Wallace RB, eds., Maxcy-Rosenau-Last -- Public Health and Preventive Medicine, 13th edition, Appleton & Lange: Norwalk, Connecticut, 1991, pp 491-501.
- (58) **Kilbourne EM**. Atmospheric change and temperature-related health effects. In: White JC, ed., Global Atmospheric Change and Public Health. Elsevier: New York, 1990.
- (59) Philen RM, **Kilbourne EM**, Falk H. Eosinophilia-myalgia syndrome. In: Rom WN, ed. Environmental and Occupational Medicine (2nd

* Portions of this chapter were excerpted or adapted from: Kilbourne EM. "Illness due to thermal extremes." pp 703-714 In: Last JM (ed). *Maxcy-Rosenau Public Health & Preventive Medicine*. 12th ed. Norwalk, Connecticut: Appleton-Century-Crofts, 1986. Used with permission.

- edition). Little Brown: Boston, 1992, pp 1063-70.
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