

CURRICULUM VITAE

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University of Minnesota School of Public Health
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Education:

1989: MPH, University of Minnesota School of Public Health, Minneapolis, MN
1987-1989: Occupational Medicine Residency, St. Paul Ramsey Medical Center
(HealthPartners), St. Paul, MN
1981-1984: Internal Medicine Residency, Rush Presbyterian St. Luke's Medical Center,
Chicago, IL
1981: MD, University of Minnesota Medical School, Minneapolis, MN
1977: BS, University of Minnesota College of Biological Sciences, Minneapolis, MN

Current Title/Position

Adjunct Professor, University of Minnesota School of Public Health, Minneapolis, MN
Academic OEM Director, OEM Residency Program, Midwest Center for Occupational Health,
and Safety/HealthPartners. Minneapolis, MN

Past Professional Experience:

State Fund Mutual Insurance Company, Bloomington, MN	
Physician Advisor	2001-2022
Specialists in OEM, St. Paul, MN	
Occupational Medicine Physician	2015-2018 2008-2013
Canadian Pacific- US, St. Paul, MN	
Chief Medical Officer	2013-2018
Associate Chief Medical Officer	2002-2013
Medical Consultant	1998-2001
Occupational and Environmental Medicine Residency Program HealthPartners/ University of Minnesota, St. Paul, MN	
Faculty	2000-2009 1994-1998

Residency Program Director	2004-2006
Employee Health Services, Regions Hospital, St. Paul, MN Medical Director	2001-2007
3M Medical Department, St. Paul, MN Contract Physician	1999-2007
Employee Health Services, Fairview Health Systems, Minneapolis, MN Medical Director	2001-2004
Occupational and Environmental Medicine, Hennepin County Medical Center, Minneapolis, MN Medical Director	1998-2000
United Occupational Health, St. Paul, MN Lead Clinic Physician	1992-1994
Occupational Health, Multicare Associates, Roseville, MN Medical Director	1990-1992
Aspen Medical Group, Minneapolis, MN Internal Medicine Staff Physician	1984-1986
Consultant:	
Minnesota Counties Interdepartmental Trust, St. Paul, MN Medical Consultant	2018-2022 2006-2013
Pediatric Environmental Health Specialty Unit, EPA Region 5, Chicago, IL Consultant	2015-2019
Minnesota Mercury Research Project, Minnesota Department of Health, St. Paul, MN Consultant	2013-2016
Minnesota Poison Control System/Hennepin Poison Center, Minneapolis, MN Medical Toxicologist Consultant	1994-2016
University of Minnesota, Minneapolis, MN Occupational Health Consultant	2007-2010
Continuum Healthcare/Caresys, Wilton, CT. Medical Consultant	1998-2005
Institute for Health Care Policy, Minneapolis, MN Consultant	1995-2001

Alliant Techsystems Ammunition Systems, Arden Hills, MN
Medical Consultant 1990-2005

Academic Appointment:

Environmental Health Sciences
School of Public Health
University of Minnesota
Minneapolis, MN
Adjunct Professor 2022- present
Affiliate Assistant Professor 2005-2019

Department of Internal Medicine
University of Minnesota Medical School
Minneapolis, MN
Assistant Professor 2001-2009

Medical Licenses

Minnesota

Board Certification:

American Board of Internal Medicine 1984-2023

Occupational Medicine 1991-Indefinite
American Board of Preventive Medicine

Medical Toxicology 1997-2016
American Board of Preventive Medicine

Honors:

Exemplary Service Award, Central States Occupational
and Environmental Medicine Association 2022
National Leadership Award, Central States Occupational
and Environmental Medicine Association 2018
Top Doctors, Minneapolis/St. Paul Magazine 2016, 2009-2011
President's Award, Minnesota Medical Association 2014
Fellow, American College of Occupation and
Environmental Medicine Association 2003-present
Fellow, American College of Medical Toxicology 2001-present
Delta Omega Public Health Honorary Society 1988
Alpha Omega Alpha Honor Medical Society 1980

Committees:

American Board of Preventive Medicine

Director	2016- present
Chair, Examination Committee	2021- present
Chair, Certification Committee	2016- 2021
American College of Occupational and Environmental Medicine (ACOEM)	
CMSS/CDC Vaccine Collaborative Agreement Work Group	
Chair	2021- present
Maintenance of Certification Committee	
Vice-Chair	2022-present
Council on External Relations and Communications	
Member	2022-present
Fellowship Examiner Committee	
Member	2022- present
ACOEM Board of Directors	
Past President	2021- 2022
President	2020- 2021
President-Elect	2019- 2020
Vice-President	2018-2019
Secretary-Treasurer	2016- 2018
Member	2016- 2022
	2007- 2012
Council on Scientific Affairs, Chair	2016- 2018
InterCouncil Task Force on Education, Co-Chair	2011- 2012
Task Force on Advances in OEM Education	
Chair	2008- 2009
Council on OEM Practice, Chair	2007- 2009
Academic Section, Chair	2006- 2009
Minnesota Department of Labor and Industry	
Medical Services Review Board	
Chair	2017- 2022
	2003- 2012
Member	2001- present
Accreditation Council for Graduate Medical Education (ACGME)	
Residency Review Committee for Preventive Medicine	
Chair	2014- 2017
Member	2012- 2018
Minnesota Medical Association (MMA)	
MMA Prescription Opioid Management Advisory Task Force	
Chair	2016- 2018
Public Health Committee, Chair	2002- 2004
MMA Board of Trustees	
Trustee	2005- 2014
Governance Committee, Chair	2013- 2014

Toxicology Subboard, American Board of Emergency Medicine		
Chair		2011-2012
Chair Elect		2010-2011
Member		2006-2012
University of Minnesota Medical School		
Medical School Admissions Committee		2011- 2013
Minnesota Department of Health		
Environmental Health Tracking and Biomonitoring Advisory Panel		
Chair		2007- 2010
State of Minnesota Harmful Substance Compensation Board		
Board Member		1991- 1995
North Central Occupational and Environmental Medicine Association		
Executive Committee Member		1992- 1994
Treasurer		1994- 1995
Recorder		1995- 1996
Vice-President		1996- 1997
President		1997- 1998
Past President		1998- 1999

Other Professional Organizations:

American College of Occupational and Environmental Medicine
 American College of Medical Toxicology
 American Medical Association
 Central States Occupational and Environmental Medicine Association

Publications:

Hartenbaum, NP, **Baker BA**, Levin JL, Saito K et al. ACOEM OEM Core Competencies. *JOEM* 2021; 63(7): e445-e461. PMID: 34184662.

Baker B, Kesler D, Guidotti T. Occupational and Environmental Medicine: Public Health and Medicine in the Workplace. *AJPH* 2020; 110(5): 636-637. PMID: PMC 7144442.

Baker, BA, Cassano VA, Murray C. Arsenic Exposure, Assessment, Toxicity, Diagnosis and Management. *JOEM* 2018; 60(12) e634-e639. PMID: 30358658.

Meyer JD, McDiarmid M, Diaz JH, **Baker BA**, Hieb M. Reproductive and Developmental Hazard Management. *JOEM* 2016; 58(3): e94-2104. PMID: 2694989.

Nelson LS, **Baker BA**, Osterhoudt KC, Snook CP. The 2012 Core Content of Medical Toxicology. *Journal of Medical Toxicology* 2012; 8(2): 183-191. PMID: PMC3550233.

Luderer U, Hieb M, Diaz J, **Baker BA**. ACOEM Guidance Statement: Reproductive and Developmental Hazard Management Guidance. *JOEM* 2011; 53(8): 941-948.

White SR, **Baker B**, Baum CR, Harvey A, Horte R, Avery AN, Nelson L, Osterhoudt K, Snook C, Williams S. 2007 Survey of Medical Toxicology Practice Improvement Activities. *J Med Toxicol* 2010; 6(3): 285-293. PMID: PMC35504887.

White SR, **Baker B**, Baum CR, Harvey A, Korte R, Avery AN, Nelson L, Osterhoudt K, Snook C, Williams S. 2007 Survey of Medical Toxicology Practice. *J Med Toxicol* 2010; 6(3): 281-285. PMID: PMC3550496.

Anderson PJ, **Baker B**. Succimer Chelation vs. Removal from Lead Exposure in Three Symptomatic Phone Cable Recycling Workers: A Case Series. *Clin Tox* 2009; 47(7): 730.

Roeber-Rice H, Baker BA. Workplace Hazards to Women's Reproductive Health. *Minn Medicine* 2007; 90: 40-47. PMID: 17966264.

Nachreiner NM, Dagher R, McGovern PM. **Baker BA**, Alexander BH, Geberich SG. Successful Return to Work in Cancer Survivors. *AAOHN* 2007; 55:7: 290-295. PMID: 17665826.

Baker BA, Katyal S, Roeber Rice H, Greaves I, Emmett EA, Meyer JD. Occupational Medicine Residency Graduate Survey: Assessment of Training Programs and Core Competencies. *J Occup Environ Med* 2004; 49(12): 1325-1338. PMID: 18231080.

Baker BA, Dodd K, Greaves I, Zheng CJ, Brosseau, L, Guidotti T. Occupational Medicine Physicians in the United States: Demographic and Core Competencies. *J Occup Environ Med* 2007; 49(4): 388-400. PMID: 17426522.

Alexander BH, Mandel JS, **Baker BA**, Burns C, Bartles M, Acquavella JF, Gustin C. Biomonitoring of 2,4-D Exposure and Dose in Farm Families. *Environ Health Perspect* 2007; 115:370-376. PMID: PMC1849924.

Lee DH, Lee IK, Song K, Steffes M, Toscano W, **Baker BA**, Jacobs DR Jr. A strong dose-response relationship between serum concentrations of persistent organic pollutants and diabetes: results from the National Health and Examination Survey 199-2002. *Diabetes Care* 2006; 29(7): 1638-44. PMID: 16801591.

Abrar F, **Baker B**, Brodehl M. Medicine du travail des Personnels de Sante aux Etats Unis. *Bulletin d'Information de Association Nationale de Medicine du Travail et d'Ergonomie du Personnel des Hopitaux*. Dec. 15, 2005,18-24.

Alexander BH, Burns C, Bartles M, Mandel JS, **Baker BA**. Chlorpyrifos Exposure In Farm Families Results from the Farm Family Exposure Study. *J Expo Anal Environ Epidemiol* 2006; 16(5): 447-456. PMID: 1670094.

Baker BA, Topliff A, Messing RB, Small Johnson J. Persistent Arsenic Neuropathy after Distant Arsenic Exposure. *J Agromed* 2005; 10 (4): 43-54.

Baker BA, Alexander BH, Mandel JS, Acquavella JF Honeycutt R, Chapman P. Farm Family Exposure Study: Methods and Recruitment Practices for a Biomonitoring Study of Pesticide Exposure. *J Expo Anal Environ Epidemiol* 2005; 15(6): 491-9. PMID: 15900312.

Mandel JS, Alexander BH, **Baker B**, Honeycutt R, Chapman P, Acquavella JF. Biomonitoring for Farm Families in the Farm Family Exposure Study. *Scand J Work Environ Health* 2005; 31 (suppl 1): 98-104. PMID: 16190155.

Baker BA, Herbrandson C, Eshenaur T, Messing RB. Measuring Exposure to an Elemental Mercury Spill- Dakota County, Minnesota, 2004. *MMWR* 2005. 54(06): 146-149. PMID: 15716806.

Gray T, Baker B, Lintner C, Wells S, Gray K. Chronic consumption of fish associated with Mercury Toxicity. *Clin Tox* 2004; 42(5): 807-808.

Acquavella JF, Alexander BH, Mandel JS, Gustin C, **Baker B**, Chapman P, Bleeker M. Glyphosate Biomonitoring for Farmers and Their Families: Results from the Farm Family Exposure Study. *Environ Health Perspect* 2004; 112:321-326. PMCID: PMC1241861.

Baker BA, Alexander BH, Mandel JS, Acquavella JF Honeycutt R, Chapman P. Pesticide Exposure in Spouses from the Farm Family Exposure Study. *Clin Tox* 2004; 42(5): 802.

Messing RB, Johnson J, Soule R, Durkin D, Salisbury M, Souther L, Cuffel B, **Baker B**, Connett JE, Berndt M, VanHorne D. The Minnesota Arsenic Study (MARS). Phase I: Arsenic occurrence in drinking water. Phase II: Biomarkers of arsenic exposure and effect. ATSDR Cooperative Agreement and Grant Series; PB2001-101514. Springfield, VA: National Technical Information Service.

Baker BA, Topliff A. Can pesticide contaminated soil cause health effects? *Clin Tox* 2000; 38(5): 513-514.

Baker, B. Topliff A. A sick building? Indoor-air quality and problem buildings. *Minnesota Physician* 1999; 13(3): 28-29

Topliff A, **Baker B.** Elemental mercury injected at multiple sites. *Clin Tox* 1999; 37(5): 624.

Baker, B., Gregor, G., Praver, S. Ethylenediamine: a possible cause of airborne urticaria and indoor air complaints. *Contact Dermatitis* 1998; 39 (1): 280-282. PMID: 9686974.

Mandel J, Baker B. Recognizing Occupational Lung Disease. *Postgraduate Medicine* 1991; 24 (1A): 21-3

Textbook Chapters:

Baker BA. Metals: Arsenic and mercury. In: Wolfson AB et al. (eds.) *Harwood-Nuss' Clinical Practice of Emergency Medicine*. 6th ed. Philadelphia. Wolters Kluwer/Lippincott Williams and Wilkins, 2015. E1412.

Baker BA, Roeber Rice H, Bartels M. Phenoxyacetic acid herbicides. In: Hofman HE et al. (eds). *Clinical Practice of Biological Monitoring*. Beverly Farms. OEM Press, 2012. 179-185.

Baker BA. Metals: Arsenic and mercury. In: Wolfson AB et al (eds). *Harwood-Nuss' Clinical Practice of Emergency Medicine*, 5th ed. Philadelphia, PA Lippincott Williams and Wilkins, 2009. 1462-1464.

Baker BA, McGrail M. Metals: Arsenic, lead, mercury and metal fume fever. In: Harris C (eds). *The Toxicology Handbook for Clinicians*. Philadelphia, PA. Elsevier. 2006.

Baker, B. Metal fume fever. In: Ford M et al (eds). *Clinical Toxicology*. Philadelphia, PA W.B. Saunders. 2001: pages 699-704.

Mandel J, Baker B. Occupational lung disease In Conn RB (eds). *Current Diagnosis*. 8th ed. Philadelphia, PA. W.B. Saunders. 1991.

Textbooks:

Harber P, **Baker BA,** Russi M (eds). *Occupational Health for Higher Education and Research Institutions*. Beverly Farms, MA. OEM Press. 2022.

Teaching:

PubH 6130: Occupational and Environmental Medicine: Principles and Practices. University of Minnesota School of Public Health. Minneapolis, MN
Course Co-Director, 2022- present, 2006-2017
Lecturer: 2006- present.

Workers Compensation. PubH 6170. Introduction to Occupational Health & Safety. University of Minnesota. Minneapolis, MN.
Lecturer: 2009-2020.

Invited Presentations:

Best Practices to Increase Vaccination Rates Among Workers. Moderator. American Occupational Health Conference. Philadelphia, PA. April 2023.

Environmental Medicine. Central States Occupational and Environmental Medicine Association. Spring Conference, Virtual presentation. March 2022.

The Future of Occupational and Environmental Medicine. University of Texas Health Sciences at Tyler Occupational Medicine residency program. Tyler TX. June 26. 2020.

Arsenic Exposure and Toxicity. American Occupational Health Conference. New Orleans, LA. May 1, 2018.

Chemical Hazards in Laboratory and Health Care Workers. Central States Occupational and Environmental Medicine Association Spring Conference. Lisle, IL. March 9, 2018.

Reproductive Hazards. Central States Occupational and Environmental Medicine Association Spring Conference. Lisle, IL. March 17, 2017.

Moderator, Reproductive and Developmental Hazard Management. American Occupational Health Conference. Chicago, IL. April 2016.

Neurotoxicology and Neurologic RTW Issues. Central States Occupational and Environmental Medicine Association. Minneapolis, MN. September 2012.

OEM Physician and Resident Surveys. American Occupational Health Conference. American College of Occupational and Environmental Medicine. Washington, DC. Mar 2011.

Mold and Damp Spaces: Patient and Environmental Evaluation. American Occupational Health Conference. American College of Occupational and Environmental Medicine. Washington DC. Mar 2011.

Healthcare workers exposed to hazardous drugs. Occupational health Issues Among Special Populations. American Occupational Health Conference. San Diego, CA 2009.

Session Co-Director, Emerging Infections. American Occupational Health Conference. AOHC, New York, NY. Apr 2008.

Session Co-Director, Current Research. ACOEM AOHC, New York, NY. Apr 2008.

Course Director, American College of Medical Toxicology Spring Course. Miami, Florida. Mar 2007.

Are Hospital prepared for Pandemic Flu? Upper Midwest Section- American Industrial Hygiene Association Professional Development Conference. St. Paul, MN. Nov 2006

Trichloroethylene Chronic Case. State of the Arts Conference. American College of Occupational and Environmental Medicine. Chicago, IL. Oct 2005.

Pesticide Exposure in Spouses from the Farm Family Exposure Study. North American Congress of Clinical Toxicology. Seattle, WA. Sept 2004.

Chronic Consumption of Fish Associate with Mercury Toxicity. North American Congress of Clinical Toxicology. Seattle WA. Sept 2004.

Can Pesticide Contaminated Soil Cause Health Effects? North American Congress of Clinical Toxicology. Tucson, Arizona. Sept 2000.

Farm Family Exposure Study. National Institute of Health. Bethesda, MD. Sept 2000.

Indoor Air Quality Complaints. 25th Annual Physician Assistant Conference. Minneapolis, MN. May 1997.

Reproductive Toxicology. Region V, Chapter 11 Meeting. American College of Nurse-Midwives. Minneapolis, MN. Nov 1992.

Magnetic Resonance Imaging Findings in Acute Low Back Pain Patients: A Descriptive Study. American Occupational Health Conference, Boston, MA. May 1989.