

**Curriculum Vitae**  
**William Brett Perkison MD, MPH, FACOEM**

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**I. General Biographical Information**

A. Personal

- a. Full Name: William Brett Perkison
- b. Date of Birth: 04-11-1967 ; Citizenship: United States of America

B. Education

- a. B.A. Biology, Texas A&M University, College Station, 1985-1989
- b. M.D. The University of Texas Medical Branch in Galveston 1989-1994
- c. Postgraduate Training
  - 1. Internship in Family Practice, Baylor College of Medicine, 1994-1995, Family Practice Residency, Baylor College of Medicine, 1998-2000
  - 2. Occupational Medicine Residency, The University of Texas Health Science Center at Houston, School of Public Health, July 2000-August 2003
  - 3. Masters in Public Health, The University of Texas Health Science Center at Houston, School of Public Health, 2000-2003. Thesis: “*Application of the Behavioral Model of Health Service Use to Asthmatic Patients*”, Advisor: Dr. Chip Carson
  - 4. Fellowship in Primary Care Research in conjunction with Occupational Medicine Residency, Baylor College of Medicine, Houston, TX, 2000-2002

C. Academic Appointments

- 1. Assistant Professor, University of Texas Houston, School of Public Health, January 2016
- 2. Assistant Professor, University of Texas Health Science Center, Department of Family and Community Medicine, January 2016
- 3. Assistant Professor, Baylor College of Medicine Department of Family and Community Medicine April 2004-2006, 2011-December 2015

4. Adjunct Faculty, University of Texas Houston, School of Public Health, 2006-December 2015
3. Clinical Instructor Baylor College of Medicine Department of Family and Community Medicine 2000-April 2003

D. Awards and Special Recognition

1. Shell Recognition Vice Presidential Award 2010 – This award recognized a site wide weight loss competition at the Shell Deer Park refinery. I initiated and directed this program in the summer of 2010. Over 200 refinery employees participated in this program that resulted in the cumulative weight loss of 1300 pounds of weight over an 8 week period
2. Outstanding Physician Recognition Award 2005 - awarded by the State Bar of Texas Standing Committee on Disability Issues. This award recognized my development of a specialty clinic in the Harris County Hospital District that medically evaluated patients applying for social security medical disability in order to provide them with objective medical criteria needed for their application. The clinic service also provided advice to patient regarding the eligibility criteria required by the social security administration
3. Association of Teachers of Preventive Medicine practicum fellowship award 2003 - Stipend to study at the National Institute of Occupational Safety and Health, Morgantown West Virginia
4. "Outstanding Resident Paper," 2003 - awarded by the Texas College of Occupational and Environmental Medicine. The paper, "The Use of Nitric Oxide as a Marker in Occupational Asthma", was presented to the Texas College of Occupational and Environmental Medicine at the Texas Medical Association Conference in Austin Texas on May 2004. This paper summarized a pilot project completed during residency in Occupational Medicine at the University of Texas.
5. Navy Achievement Medal July 1998 - awarded by the commanding officer of Naval Hospital Keflavik Iceland for superior performance during a three-year tour of duty at Keflavik Hospital,

E. Board Eligibility

Licensed Physician, Texas State Board of Medical Examiners, 1996-Present

Certified by the American Board of Family Practice, 2000-Present

Certified by the American Board of Occupational and Environmental Medicine, 2005-Present

Fellow of the American Board of Occupational and Environmental Medicine 2009-present

## II. Research Projects

*“Dpp+ - Implementation of a Worksite Diabetes Prevention Program for Employees Utilizing the Counseling Method of Motivational Interviewing” Submitted for Review June 2017.* Primary investigator. This study evaluate the effectiveness of implementing the diabetes prevention program at a worksite setting. The technique uses the counseling technique of motivational interviewing to ensure the sustainable health behavioral changes needed to conduct the program within the time and space confines of a workplace setting. Source of Funding: R-21, National Institutes of Occupational Safety and Health. Grant amount: \$268,074.

*“Diabetes Prevention Culturally Tailored for Mexican Americans “May 2017- present.* Co-primary investigator. This study tests evaluates the effectiveness of the diabetes prevention program specifically tailored for rural Hispanic community along the Rio Grande Valley in Starr County Texas. Source of Funding: R-01: National Institutes of Health. Grant amount: \$1,105,547.

*“The Houston home based integrated intervention targeting better asthma control in African Americans” 2013 – present.* Co-primary investigator. This study tests whether the addition of a holistic, home-based environmental intervention to an enhanced in-clinic asthma protocol will result in statistically significant improvement in key measures of health and quality of life among Houston-area African-America adults with poorly controlled asthma. Source of funding: Patient Centered Outcome Research Institute. Grant amount: \$2.8 million

*“Impact of a Diabetes Management Program on Texas Children’s Hospital Employees with Diabetes”, 2013 - present.* Co-primary investigator. This study is a secondary analysis of the effectiveness of a diabetes management program for employees with Type II diabetes at Texas Children’s Hospital. Master’s thesis project for University of Texas School of Public Health student.

*“Shape Up Houston Texas Medical Center Obesity Prevention Evaluation Study”*, 2/12/2012 – 12/31/2013. Co-Primary Investigator. This is multi-site study of several large institutions in the Texas Medical Center to evaluate the effectiveness of worksite-based wellness initiatives on the prevalence and incidence of obesity among employees in the hospital systems at the Texas Medical Center. Effectiveness is measured in terms of pre and post initiative wellness site employee surveys and biometric screenings. primary investigator for the Texas Children’s Hospital site. Source of funding: University of Texas School of Public Health, Shape up Houston. Grant amount: \$454,494

*“Community Oriented Primary Care Research Project”*, 2004. Primary Investigator. This project involved developing an occupational medicine clinic for the patient population seen in the Harris County Hospital District community clinics. The project was based out of Strawberry community health clinic in Pasadena and involved treating work-related health problems and environmental exposures among employees of nearby petrochemical plants. Source of funding: Department of Family and Community Medicine. Grant amount: \$20,000 annually for administrative research time. Direct and Indirect costs: \$25,000

*“Application of the Behavioral Model of Health Service Use to Asthmatic Patients”*, 2003. Approved for Master’s thesis proposal. Primary investigator. I designed this thesis research project to compare the characteristics of people who visit the Harris County Hospital District emergency room for asthma and keep their subsequent follow-up clinic visit with those patients who do not keep their follow-up visit. The purpose of the study is to identify significant differences in these two groups in order to more aggressively promote clinic management of asthma in those people likely to only use the emergency center for asthma management. Unfunded.

*NIOSH fellowship award*, January – March 2003. This 3 month fellowship was sponsored by the Association of Teachers of Preventive Medicine at the National Institute of Occupational Safety and Health’s Morgantown, West Virginia location. During this fellowship I was able to acquire the skills needed to measure nitric oxide, nitrites, nitrates, and nitrosothiols in breath condensate. I was also able to become familiar with applications for proteomics using surface enhanced laser desorption/ionization technology. Source of funding: National Institute of Occupational Safety and Health: \$3000

*“Oxygenated Air Toxics and Asthma Variability in Middle School Children: A Panel study”*, 2002. Research field team member. This project was funded by a federal research agency, the Mickey Leland National Urban Air Toxics Research Center. The study involved measuring personal exposure aldehyde levels of school children with previously diagnosed asthma for 4 one-week periods. Source of funding: The Mickey Leland National Urban Air Toxics Research Center. EPA 8828678-01/C DFA 66.500. Grant amount \$320,000.

*“Nitric Oxide Catabolism in Irritant and Allergic Induced Asthma”*, 2002. Southwest Center for Occupational and Environmental Health Pilot Projects Research Training Program Fund, Primary Investigator, one year funding for a pilot study project, accepted for funding September 2002. Source of funding: National Institute of Occupational and Environmental Medicine. Grant amount: \$10,000

#### B. National Scientific Participation

2013 -present, Member of the Environmental Health section of the American College of Occupational and Environmental Medicine

2014-2016 Chair of the Environmental Health section of the American College of Occupational and Environmental Medicine

2010 -2011, President of the Texas Chapter of American College of Occupational and Environmental Medicine

2009-2010, Vice President of the Texas Chapter of American College of Occupational and Environmental Medicine

2008-2009, Secretary of the Texas Chapter of American College of Occupational and Environmental Medicine

2009-2013, Chair of the scientific advisory committee for the American College of the Occupational and Environmental Medicine House of Delegates

2008-Present, Member of the Society of Teachers of Family Medicine

2005-Present, Texas Delegate to American College of Occupational and Environmental Medicine House of Delegates

2002-Present, Member of the University of Texas School of Public Health Occupational Medicine Residency Advisory Committee

2000-2003, 2005 Secondary Reviewer, the Southwest Center for Occupational and Environmental Health' annual Pilot Projects Research Training Program

2001-2002, Moderator for conference: Occupational Medicine for Primary Care Physicians sponsored by the Southwest Center for Occupational and Environmental Health

2002-present, Member of American College of Occupational and Environmental Medicine, Texas Occupational and Environmental Medicine State Chapter

2000-present, Member of the American Academy of Family Medicine

### C. Publications

*“Are Hospital Worker’s Healthy A Study of Cardiometabolic, Behavioral and Psychosocial Factors Associated with Obesity Among Hospital Workers”* JOEM 2016; 58(12):1231-123. Sharma, Shreela V. PhD, RD, LD; Upadhyaya, Mudita MPH; Karhade, Mandar MBBS, MPH; Baun, William B. EPD, CWP, FAWHP; Perkison, William B. MD, MPH, FACOEM; Pompeii, Lisa A. PhD; Brown, Henry S. PhD; Hoelscher, Deanna M. PhD, RD, LD

*“Evaluation of worksite policies and practices promoting nutrition and physical activity among hospital workers”*. Shreela V. Sharma, Courtney Winston Paolicelli, Vinu Jyothi, William Baun, Brett Perkison, Mary Phipps, Cathy Montgomery, Michael Feltovich, Julie Griffith, Veronica Alfaro and Lisa A. Pompeii, International Journal of Workplace Health management. 2016; 9(1): 46-62.

*“A Review of Adult Asthma and the Effectiveness of Educational Programs Reducing Symptoms”*. Perkison WB, Sidani M, Family Medicine and Community Health. 2015; 3(2):54-61.

*“Marijuana in the Workplace: guidance for Occupational Health Professionals and Employers: Joint Guidance Statement of the American Association of Occupational Health Nurses and the American college of Occupational and Environmental Medicine”*. Jennan A. Phillips, PhD, MSN, RN, Michael G. Holland, MD, Debra D. Baldwin, NP-C, PhD, Linda Gifford Meuleveld, RN, COHN-S, CCM, CPDM, Kathryn L Mueller, MD, MPH, Brett Perkison, MD, MPH, Mark Upfal, MD, MPH, and Marianne Dreger, Journal of Occupational and Environmental Medicine. 2015; 57(4): 459-75.

*“Application of the Behavioral Model of Health Service Use to Asthmatic Patients”*, Masters in Public Health thesis, 2003, Advisor: Dr. Chip Carson

### **III. Teaching Information**

#### **A. Didactic course work**

2016-2017 Spring, Summer, Fall semester – Occupational Medicine Practice 2171 PH 2265-10. 2 credit hours.

2017 – Spring: Clinical Occupational Medicine Practice 2171 PH 2255-500. 3 credit hours.

2009- 2012, “Health Effects of Particulate Air Pollution”, presented annually at Rice University for the class “Environmental Health” taught Dr. Winnifred Hamilton

#### **B. Curriculum development work**

January 2017 “CEPH” SPH curriculum planning workshop

July 2015 “Evaluation of patients for social security disability insurance “, Valbona Community Health Clinic Faculty rounds

April 2015 “Evaluation of patients for social security disability insurance”, Baylor Family Medicine resident core curriculum

September 2014 “Quality Assurance processes for OSHA, ACGME, AAFP, and JACHO”, Baylor Family Medicine resident core curriculum

October 2011 “What is Occupational Medicine”, Baylor Family Medicine resident core curriculum

August 2011 “Noise Induced Hearing Loss”, UT SPH Occupational Medicine resident core curriculum

#### **C. Non-didactic teaching**

2017 – Spring/ Fall, Preceptor for Second Year Medical Student Clinical Skills class – 2 students per semester rotating at Bayshore Family Medicine clinic with me

2014-2015, Preceptor for Baylor College of Medicine medical students – students rotating at the Baylor Family Medicine clinic

2006-2011, Preceptor for University of Texas School of Public Health Occupational Medicine residents – residents rotated from one to three months at the Shell Deer Park plant site. 5 Residents rotated through our worksite during the this time

William Brett Perkison, MD/Page 8

2005-2006, Preceptor for Baylor College of Medicine medical students – students rotated at the Strawberry Community Health Center

2003-2004, Preceptor for University of Texas Health Science Center nurse practitioner students at Strawberry Community Health Center

#### D. Selected Presentations

September 2017, “Health Effects Associated with Climate Change” presentation to Sierra Club chapter, Houston, Texas

April 2017, “Occupational Health Effects Associated with Climate Change” presentation at the American Occupational Health Conference, Denver Colorado

July 2015, “Diagnosis and Treatment of Asthma” Sanchez Energy Company, Houston Texas

November 2014, “Opportunities for Proactive Healthcare”, Consumer Energy Alliance, Houston Texas

February 2014, “Prevention of Diabetes”, Facilities Texas Children’s Hospital Brown bag lunch

October 2013, “Prevention of Diabetes”, Texas Children’s Hospital Surgery Monthly Wellness Meeting

August 2012, “Importance of Prevention in the Workplace” Texas Children’s Hospital Facilities employees (3 lectures)

August 2010 “Heat Stress”, Deer Park Texas, refinery health lecture

August 2010 - August 2011, 10 presentations of “Prevention of Diabetes”, Deer Park Texas, and refinery health lecture

September 2009 “Occupational Hearing Loss”, Baylor Family Medicine Grand Rounds

June - July 2007 “Ergonomics in the Workplace” 5 presentations to office staff at Shell Oil corporate offices

November 2007 “Leveraging Stress” 4 presentations to office staff at Shell Oil corporate offices



2001-2002, Moderator for the conference: Occupational Medicine for Primary Care Physicians sponsored by the Southwest Center for Occupational and Environmental Health

William Brett Perkison, MD/Page 9

#### **IV. Medical and Service Information**

##### **A. Medical Positions**

1. September 2017 – present. *Civil Surgeon for United State Citizenship and Immigration Services*. Provide full comprehensive medical assessment at Bayshore Family Medicine Clinic for patients who are applying for U.S. citizenship
2. March 2016- present. *Clinician at Bayshore Family Medicine Clinic*. Provide full service continuity practice care in primary care setting one day per week in clinic that is part of the UT Physicians network
3. July 2014 – present. *Medical Director for Baylor College of Medicine’s Environmental Health Section*. Currently assisting with the development of an environmental health clinic for the Houston area. This clinic evaluates refers patients for home environmental exposures which may be causing medical symptoms or exacerbating underlying medical issues
4. July 2014 – December 2015. *Primary provider in the Baylor Family Medicine Department* Providing full continuity primary health care and assisting the department with developing employer based primary health care clinics as well as consultation for occupational health services
5. October 2011 – July 2014. *Medical Director for Texas Children’s Hospital primary care and employee health clinic*.
  - a. Provided direct full patient primary care to employees electing to use the medical clinic for both urgent and continuity care needs. Treat the full spectrum of adult primary care disease
  - b. Developed a specialty referral network to local physicians and develop professional relationships
  - c. Developed a chronic disease management program for Diabetes and HTN which provides a 3 month program to participants on medical evaluation of their disease, nutritional, exercise, and behavioral changes for better management of the disease.

- d. Involved in developing outcomes measurements for TCH to gauge success of these initiatives

William Brett Perkison, MD/Page 10

6. July 2006 – October 2011. *Regional Manager for Shell Health*

Oversaw all aspects of occupational health care for a variety of business areas of Shell Oil. This including taking care of occupational health services in corporate, research, and manufacturing settings. Experiences included but not limited to:

- a. Direct occupational health care involving diagnosis and treatment of related illnesses and injuries
  - b. Implementation and maintenance of OSHA mandated medical surveillance programs
  - c. Implementation of wellness initiatives
  - d. International collaboration on implementation of programs involving travel medicine, stress reduction programs, implementation of pandemic flu prevention programs, disaster preparedness in the context of the oil industry
  - e. Maintenance of site programs including employee drug testing, employee assistance programs, OSHA recordability determinations, FMLA and disability applications, return to work and fitness for duty evaluations
  - f. Direct line management of up to 10 direct reports including nurses, nurse practitioners, industrial hygienists, medical assistants, and administrative support
7. July 2004 – July 2006. *Medical Director for Strawberry Health Center, Harris Health*
- a. Supervised 10 physician primary care practice
  - b. Implemented Epic EMR into the clinic
  - c. Oversaw quality assurance measures as well as productivity indicators for clinic
8. July 2005 – July 2006. *Disability evaluation clinic*. Developed a clinic to assist patients applying for social security disability by providing a comprehensive assessment of their disability in order to better expedite their application process. Processed approximately 200 applications during this time and the clinic continued to function after 2006 as an integral part of the clinic. Accepted referrals from all Harris County community health clinics.

B. Service

1. September 2017, Developed the Hurricane Harvey Resident and Worker relief plan for the Southwest Center of Occupational and Environmental Health. Implemented program to distribute over 2000 N95 respirators and gloves to Houston citizens who were affected by Hurricane Harvey
2. October 2013 – January 2016, NIOSH Southwest Center for Occupational and Environmental Health advisory board

William Brett Perkison, MD/Page 11

3. July 2012-July 2014, Science advisory board for Air Alliance Houston, a not for profit group aimed at improving air quality in the Houston area
4. July 2005- July 2006, Medical Director advisory board for the Harris Health district

#### C. Community Volunteer Positions

1. June 4, 2016 Annual Physical Exams for Boy Scouts of America
2. May 16, 2015 Langston Health Men's Health Fair - Answered general health questions from attendees at the fair and recruited patients for the PCORI funded asthma study
3. July 27, 2015 Juneteenth Celebration - Mickey Leland Memorial Park - Answered general health questions from attendees at the fair and recruited patients for the PCORI funded asthma study