

CURRICULUM VITAE

NAME: William Owen Cooper, M.D., M.P.H.

CURRENT TITLE: Cornelius Vanderbilt Professor and Vice Chair, Department of Pediatrics

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(b) (6)

(b) (6)

EDUCATION:

1997 M.P.H. Vanderbilt University School of Medicine, Nashville, Tennessee

1991 M.D. Vanderbilt University School of Medicine, Nashville, Tennessee

1987 B.A. Transylvania University, Lexington, Kentucky
Chemistry (major), English (minor)
Magna cum laude

POSTGRADUATE TRAINING:

1995-1997 Academic General Pediatrics Fellow, Division of General Pediatrics
Department of Pediatrics
Vanderbilt University School of Medicine
Nashville, Tennessee

1994-1995 Chief Resident
University of Cincinnati College of Medicine
Cincinnati, Ohio

1991-1994 Pediatric Intern/Resident
University of Cincinnati College of Medicine
Cincinnati, Ohio

LICENSURE:

1992 State Medical Board of Ohio ((b) (6))

1992 State Medical Board of Tennessee ((b) (6))

CERTIFICATIONS:

1995 American Board of Pediatrics (currently in Maintenance of Certification)

1992 Neonatal Advanced Life Support

1992 Pediatric Advanced Life Support (renewed 2010)

WILLIAM OWEN COOPER (continued)

ACADEMIC APPOINTMENTS:

- 2012- Cornelius Vanderbilt Professor of Pediatrics
Vanderbilt University School of Medicine
- 2010- Vice Chair for Faculty Affairs
Department of Pediatrics
Vanderbilt University School of Medicine
- 2008- Director, Office of Faculty Development
Department of Pediatrics
Vanderbilt University School of Medicine
- 2008- Professor of Pediatrics and Preventive Medicine (with tenure)
Departments of Pediatrics and Preventive Medicine
Vanderbilt University School of Medicine
- 2006- Director of Research, Division of General Pediatrics, Vanderbilt University
School of Medicine
- 2003-2008 Associate Professor of Pediatrics (with tenure)
Division of General Pediatrics/Department of Pediatrics
Vanderbilt University School of Medicine
- 1997-2003 Assistant Professor of Pediatrics
Division of General Pediatrics/Department of Pediatrics
Vanderbilt University School of Medicine
- 2000- Master of Public Health Program
Vanderbilt University School of Medicine
Director, 2010-
Associate Director, 2000-2010

HOSPITAL APPOINTMENTS:

- 1995- Attending Physician, Vanderbilt University
Medical Center, Nashville, Tennessee
- 1994-1995 Instructor, Cincinnati Children's Hospital
Medical Center, Cincinnati, Ohio

HONORS:

- 2012 Chancellor's Award for Research, Vanderbilt University
- 2010 Vanderbilt Academy for Excellence in Teaching

WILLIAM OWEN COOPER (continued)

- 2003 Highly Effective Teacher Award, Department of Pediatrics,
Vanderbilt University School of Medicine
- 2001 HSC Foundation Child Health Services Research Award
(National Child Health Services Research meeting, June 2001)
- 2000 Didactic Professor of the Year, Physician Assistant Program
Trevecca Nazarene University, Nashville, Tennessee
- 1991 Award of Distinction in Medical Education
Vanderbilt University School of Medicine

SELECTIVE PROFESSIONAL ORGANIZATIONS (By Election):

- 2010- American Pediatric Society
- 2001- Society for Pediatric Research

OTHER PROFESSIONAL ORGANIZATIONS:

- 2004- International Society for Pharmacoepidemiology
- 2001-2010 AcademyHealth
*Chair of Steering Committee Child Health Services Research
National Meeting (2004-2005); Member (2003-2007)
Child Health Services Research Special Interest Group, 2004-2005
Co-chair, 2004-2005; Chair, 2005-2007*
- 1995- Academic Pediatric Association
*Steering Committee, Research Scholars Program (2012-)
Executive Committee of the Research Committee (2003-)
Chair, Child Health Services Research Group (2002-2005)
Research Committee (Region VIII representative) (2001-2005)*
- 1991- American Academy of Pediatrics, Fellow

PROFESSIONAL ACTIVITIES:

Vanderbilt University Medical Center:

- 2012- Chair, Task Force for Faculty Promotion Standards, Vanderbilt University School
of Medicine
- 2011 - Steering Committee, Hazinski Society Faculty Development Program
- 2011 - 2012 Academic Leadership Program, Vanderbilt University School of Medicine
- 2010- Office for Inclusion and Health Equity, Steering Committee

WILLIAM OWEN COOPER (continued)

- 2010 - Co-Director, Garrod Society (Resident Research Career Development)
- 2010-2011 Search Committee for Pediatric Critical Care Division Director, Department of Pediatrics (recruitment of (b) (6), MD, PhD)
- 2010-2011 Chair, Search Committee for Burry Family Chair in Autism Genetics, Department of Pediatrics (awarding of chair to (b) (6) MD, MS)
- 2010-2011 Chair, Core Clinical Year Working Group, School of Medicine Curriculum Design
- 2010-2011 Search Committee for Child Psychiatry Division Chief, Department of Psychiatry
- 2009 - David Satcher Public Health Scholars Program (founded and direct scholars program designed to enhance the diversity of the public health workforce)
- 2009 - Director, Katherine Dodd Faculty Scholars Program (founded and direct faculty development program for clinician educator faculty in Pediatrics)
- 2009 - Patient Complaint Monitoring Committee, Vanderbilt University
- 2009- Hazinski Scholars Program Selection Committee
- 2008 - Advisory Committee, Vanderbilt Medical Scholars Program
- 2008-2010 Chair, Accreditation Steering Committee, Vanderbilt MPH Program
- 2006-2007 Masters of Science in Clinical Investigation Curriculum Committee
- 2004-2008 Medical School Admissions Interviewer (interview 18-20 applicants per year)
- 2001- Master of Public Health Program Curriculum Committee
Chair, 2001-2007
- 2001-2003 Search Committee for Biostatistics Department Chair
(Resulted in hiring of Frank Harrell, Ph.D. as Chair of Biostatistics)
- 2000- Master of Public Health Program Admissions Committee
Chair, 2000-
- 2000- Department of Pediatrics Appointments & Promotions Committee
Vice chair, 2006-2007; Chair, 2007-
- 1997-1998 Chair, Breastfeeding Curriculum Committee
Pediatric Residency Program

WILLIAM OWEN COOPER (continued)

1997-2012 Child Abuse Review (CARE) Team

1996-1999 Medical Director, Newborn Nursery
Vanderbilt University Hospital

University Committees:

2012- Faculty Appointments and Promotions Committee
School of Medicine

2009 - 2011 Vanderbilt Master of Science in Global Health Advisory Committee

1999-2009 Vanderbilt Institutional Review Board, Health Sciences Committee
Chair, Health Sciences Committee #1 (2000-2001)
Optimization Committee (2000-2001)

Local/Regional Committees:

2010- Nashville Public Health Learning Collaborative (founding member and steering committee member for a collaboration of Vanderbilt, Meharry Medical College, Tennessee State University, and Metropolitan Nashville Public Health Department to provide workforce development for the health department)

2004-2005 Governor's EPSDT Screening and Referral Committee, State of Tennessee

2000 Governor's TennCare Task Force
Subcommittee on Health Information Systems

Scientific Reviewer for Study Sections:

2010 National Institutes of Health, Biobehavioral and Behavioral Processes IRG

2009-2010 National Institutes of Mental Health, Mental Health Services in Non-Specialty Settings (SRNS) study section, standing member

2009 National Institutes of Health, Healthcare Delivery and Population Sciences Fellowship Special Emphasis Panel

2007, 2008 National Institutes of Mental Health, Mental Health Services in Non-Specialty Settings (SRNS) study section, October 2007, October 2008

2001- Young Investigator Grant Study Section
Academic Pediatric Association, Chair 2004-2012; 2012

WILLIAM OWEN COOPER (continued)

Scientific Reviewer for Peer-Reviewed Journals:

Editorial Boards:

2005-2010 *Academic Pediatrics*

Reviewer:

2012-- *BMJ*
2008-- *Pediatric Blood and Cancer*
2008-- *Pharmacoepidemiology and Drug Safety (exceptional reviewer 2008)*
2008-- *Drug Safety*
2005-- *JAMA*
2005-- *Journal of General Internal Medicine*
2004-- *American Journal of Obstetrics & Gynecology*
2003-- *Teratology*
2003-- *Clinical Therapeutics*
2000-- *Journal of Clinical Oncology*
2000-- *American Journal of Preventive Medicine*
2000-- *Archives of Pediatrics & Adolescent Medicine*
1999-- *Academic Pediatrics*
1999-- *The Journal of Pediatrics*
1998-- *Journal of Health Care for Poor & Underserved*
1998-- *Medical Care (cited as Exceptional Reviewer (top 5%) 2007, 2008, 2009)*
1996-- *Pediatrics*

Advisory Activities, Government Agencies:

2008-2013 Drug Safety and Risk Management Advisory Committee, US Food and Drug Administration, Center for Drug Evaluation and Research

Advisory Activities, Organizations:

2011 Pharmacoepidemiology Planning Group, Queen's University Belfast, Belfast, Northern Ireland, United Kingdom

2009 Scientific Advisory Committee, Children's Hospital Research Foundation, Cincinnati, Ohio

2008-2011 Society for Pediatric Research Student & House Officer Research Awards Committee

2006 AcademyHealth Best Abstracts Review Committee

2003-04, 2007 Nemours Child Health Services Research Award Selection Committee

WILLIAM OWEN COOPER (continued)

Abstract Reviewer:

- 2006, 2008 AcademyHealth Abstract Reviewer
2004-2006 AcademyHealth Child Health Services Research Meeting,
Chair, Original Science Poster Session Review Committee, 2004-2006
- 2004-2012 Pediatric Academic Societies National Meeting
- 2001, 2002 Pediatric Academic Societies Southern Regional Meeting, New Orleans

Named Invited Lectures:

- 2011 Dean's Distinguished Lecture, University of Kentucky College of Medicine,
Lexington, Kentucky, December 12, 2011.
- 2008 Edward L. Pratt Lectures, Keynote Speaker, Cincinnati Children's Hospital
Medical Center, Cincinnati, Ohio, May 22, 2008

TEACHING ACTIVITIES:

Medical Students:

- 2000-2002 Invited Unit Leader, Young Adulthood Unit
Ecology of Medicine Course
- 1999-2006 Discussion leader, Preventive Medicine
Course, Vanderbilt School of Medicine
Topic "Case Control and Cohort Studies"
- 1997-2002 Lecturer to 3rd year medical students on
Pediatrics Clerkship (1 hour lecture/month);
Topic: "Health Supervision and Growth"
- 1997- Clinical Preceptor to 3rd and 4th year medical
Students in Newborn Nursery, Pediatric Wards,
Pediatric Primary Care Clinic

Physician Assistant Students:

- 1996-2007 Lecturer to Physician Assistant Students in
Pediatrics course, Trevecca Nazarene University (5 one hour lectures/year)

Nurse Practitioner Students:

- 1998-2008 Lecturer to Vanderbilt University School of Nursing
Nurse Practitioner Students (1 two hour lecture/year)
Topic "Pediatric Neurological Problems"
- 1997- Preceptor to Vanderbilt University School of Nursing
Nurse Practitioner Students in Pediatric Clinic, Vanderbilt

WILLIAM OWEN COOPER (continued)

Pediatric and Emergency Medicine House Officers:

- 2000-2008 Lecturer, House Staff Conference Series
Topic "Over-the-Counter Medications" (1 session/year)
- 1998 Pediatric Residency Training Program
(Developed teaching module checklists based on
Medical Student Curriculum, Residency Review Committee
on topics for Newborn Nursery rotations and Ward Rotations)
- 1998 Pediatric Residency Training Program
(Developed on-line evaluation database encompassing
Residency Review Committee Evaluation Components
and ability to track residents over time as they rotate through
General Pediatrics Rotations)
- 1997- Ward attending, General Pediatric Wards
(1 month/year) (Cited in 1998-1999 Student Curriculum
Committee Survey for "high marks" in teaching.
Cited in 2001-2002 Pediatric House Staff Evaluations for
having more than 75% "Excellent" scores on monthly evaluations)
- 1996-2000 Lecturer to Emergency Medicine Residents,
Pediatric Residents, and Students in Pediatric
Emergency Medicine Conference (1 hour lecture/year)
- 1995-2000 Lecturer to pediatric residents and students in
Pediatric Ambulatory Clinic Rotation (1/2 hour lecture/month);
Topic: "Teaching Residents to Teach"
- 1995-1997 Faculty preceptor, Resident Continuity Clinic
- 1995- Faculty attending, Newborn Nursery
(1 month per year)
- 1995- Faculty preceptor, Pediatric Acute
Care Clinic (1-2 half day sessions/week)

Clinical Fellows and Graduate Students:

- 2012 - Epidemiology Doctoral Program, Measurements Course
- 2005- Course Director, Protocol Development Course
Master of Public Health Program

WILLIAM OWEN COOPER (continued)

- 2004- Course Director, Research Seminar Course
Master of Public Health Program
- 2002- Course Director, Research Ethics Course
Master of Public Health Program
(Direct course and developed on-line curriculum)
- 2000- Lecturer, Master of Public Health
Grant Writing course Topic "Career development awards" (1 session/year)
- 2000- Discussion leader, Master of Public Health
Epidemiology I course
Topic "Research Design Issues" (1 session/year)

Faculty Development:

- 2008- Director, Department of Pediatrics Transitions Group
Direct quarterly sessions for skills building of new faculty

Continuing Medical Education/Grand Rounds:

- 2012 Keynote Address, Vanderbilt Department of Pediatrics Research Retreat,
Nashville, Tennessee, "3D Vision for Research Careers".
- 2011 Clinical Pharmacology Grand Rounds, Vanderbilt University School of Medicine,
Nashville, Tennessee, "Pregnancy Related Drug Exposures".
- 2005 Pediatric Grand Rounds, Vanderbilt University School of Medicine,
Nashville, Tennessee, "Thalidomide: Avoiding the Failures of the Past".
- 2004 Ethics Grand Rounds, Vanderbilt University School of Medicine, Nashville,
Tennessee, "Access to Care for Children Under TennCare".
- 2004 Department of Psychiatry Grand Rounds, Vanderbilt University School of
Medicine, Nashville, Tennessee, "Increasing Use of Antipsychotic Medications in
Children".
- 2003 Clinical Pharmacology Grand Rounds, Vanderbilt University School of Medicine,
Nashville, Tennessee, "Increasing Use of Antipsychotic Medications in
Children".
- 2003 Pediatric Grand Rounds, Meharry Medical College, Nashville, Tennessee,
Disparities in Health Care Delivery in Asthma".
- 2002 Child Psychiatry Grand Rounds, Department of Psychiatry, Vanderbilt
University, Nashville, Tennessee, "Antipsychotic Medication Use in Children".

WILLIAM OWEN COOPER (continued)

- 2000 Child Psychiatry Grand Rounds, Department of Psychiatry, Vanderbilt University School of Medicine, Nashville, Tennessee, "Applying Research Methodologies to Community Youth Violence Prevention".
- 1999 Pediatric Grand Rounds, Vanderbilt University School of Medicine, Nashville, Tennessee, "Febrile Infants: Clinical Decision Making".
- 1998 Infectious Diseases Grand Rounds, Vanderbilt University School of Medicine, Nashville, Tennessee, "Mortality from Infections in Young Children".

Research supervision:

Research Mentor for Faculty:

- 2010-2012 William Bobo, M.D., M.P.H., Department of Psychiatry
Current position: Assistant Professor of Psychiatry, Vanderbilt (K23 from NIMH)
"Fetal outcomes following pregnancy exposures to mood-stabilizing drugs"
- 2010- Richard Epstein, Ph.D., Department of Psychiatry
Current position: Assistant Professor of Psychiatry, Vanderbilt (Building Interdisciplinary Research Careers in Women's Health K12 Scholar)
"Sudden cardiac death associated with psychotropic drug use in young women"
- 2003- Kecia Carroll, M.D., M.P.H. Division of General Pediatrics
Current position: Assistant Professor of Pediatrics, Vanderbilt (Ambulatory Pediatric Association Young Investigator Award; Parker B. Frances Foundation Fellow; K01 from NIAID; R01 from NICHD)
"Medically treated hypothyroidism among children with Down Syndrome"
- 2002-2008 Veronica Gunn, M.D., M.P.H., Division of General Pediatrics
Current position: Medical Director Community Services, Children's Hospital of Wisconsin
"Injury prevention and efforts to reduce disparities"
- 2002- Todd Callahan, M.D., M.P.H., Division of Adolescent Medicine
Current position: Associate Professor of Pediatrics, Vanderbilt (Finalist, Society for Adolescent Medicine Young Investigator Award, 2004)
"Access to healthcare for young adults with chronic illnesses"
- 2001-2003 Jayant Deshpande, M.D., M.P.H., Pediatric Critical Care
Current position: Senior Vice President/Chief Quality Officer, Arkansas Children's Hospital; Professor of Pediatrics and Anesthesiology, University of Arkansas for Medical Sciences
"Effects of county on access to specialized emergency services"

Research Mentor for Postdoctoral Fellows:

- 2011-pres. Candice Williams, M.D., Division of General Pediatrics

WILLIAM OWEN COOPER (continued)

- Current position: Fellow, Division of General Pediatrics, Vanderbilt
"Disparities in follow-up care after suicide attempts for children and adolescents"
- 2008-2010 Michael Eckrich, M.D., Division of Pediatric Hematology/Oncology
Current position: Fellow, University of Wisconsin
"Adherence to transcranial Doppler screening in children with sickle cell disease"
- 2010-2012 Derek Williams, M.D., Division of General Pediatrics
Current position: Instructor, Division of Pediatric Hospital Medicine, Vanderbilt
"U.S. Trends in antidepressant prescribing following regulatory warnings"
- 2007 -2009 Astride Jules, M.D., Fogarty Scholar, Vanderbilt University
Current position, Research Fellow, Vanderbilt University
"Pregnancy-related drug exposures among urban women in Haiti"
- 2007-2009 Michael D. Warren, M.D., Division of General Pediatrics
Current position, Director, Maternal and Child Health, Tennessee Department of Health
(Manuscript published, *Archives of Pediatrics and Adolescent Medicine*)
"Use of guideline recommended care in children with sickle cell disease"
- 2005-2008 Stephen Pont, M.D., M.P.H., Division of General Pediatrics
Current position, Assistant Professor of Pediatrics, University of Texas
(Received Ambulatory Pediatric Association Young Investigator Award, 2007)
"National trends in diarrhea-related illnesses, 1995-2004"
- 2001-2004 Kelly Butler, M.D., M.P.H., Division of Pediatric Emergency Medicine
Current position: Attending physician, East Tennessee Children's Hospital
(Manuscript published, *Pediatric Emergency Care*)
"Corticosteroid filling following pediatric emergency department visits"

Research Mentor for Pediatric House Officers:

- 2001-2002 (b) (6), M.D., Resident in Pediatrics
Current position: (b) (6)

Research Mentor for Medical Students:

- 2010-2012 (b) (6), Research Elective
(b) (6)
- 2006-2007 (b) (6), Emphasis student
(b) (6)

WILLIAM OWEN COOPER (continued)

2004-2005 (b) (6), 6 month research elective (b) (6)

2004-2005 (b) (6), 6 month research elective (b) (6)

2003-2005 (b) (6), Primary Mentor for (b) (6) (b) (6)

2001-2004 (b) (6), 6 month research elective and Summer Research Program
Current position: (b) (6)

2001-2004 (b) (6), 6 month research elective and Summer Research Program
Current position: (b) (6)

Master of Public Health Thesis Committees:

- 2011 - (b) (6), MD
- 2009-2011 (b) (6), PhD
- 2008-2010 (b) (6), M.D.
- 2008-2010 (b) (6), M.D.
- 2008-2010 (b) (6), M.D.
- 2007-2009 (b) (6), M.D.
- 2007-2009 (b) (6), M.D.
- 2005-2007 (b) (6), M.D.
- 2005-2007 (b) (6), M.D.
- 2004-2006 (b) (6), M.D.
- 2003-2005 (b) (6), M.D.
- 2003-2005 (b) (6), M.D.
- 2003-2005 (b) (6), M.D.
- 2002-2004 (b) (6), M.D.

Doctoral Committees:

2008-2010 (b) (6), RN (PhD Doctoral Committee)

Mentor on Vanderbilt Training Programs:

WILLIAM OWEN COOPER (continued)

NICHD Institutional Training for Pediatricians, T32 HD044328

PI Kathryn Edwards, M.D. (Member, Executive Committee, 2003-2007; Associate Director of Training Program 2007- 2009)

Health Services Research Training Program, T32 HS013833

PI Marie R. Griffin, M.D., M.P.H. (Member, Executive Committee)

Training Program in Pediatric Cardiopulmonary Research, T32 HL 007256

PI Scott Baldwin, M.D.

RESEARCH PROGRAM:

Active:

FDA HHSF223200910061, Food and Drug Administration

“Detection and Analysis of Adverse Events related to Regulated Products in Automated Healthcare Data, Efforts to Develop the Sentinel Initiative”

PI: Richard Platt, Harvard Medical School

Role on project: Vanderbilt PI

Year 1 support (Direct Cost) \$26,718

Year 2 support (Direct Cost)-subcontract pending signature \$572,368

10/1/2009-9/30/2014

The Mini-Sentinel is a collaboration among multiple data partners to provide surveillance for important issues of drug safety across large populations.

HHSA290-2005-0042, Agency for Healthcare Research and Quality

“Developing Evidence to Inform Decisions about Effectiveness: The DECIDE Network”

PI: Marie R. Griffin

Role on project: Project manager for pediatric studies/Principal Investigator for ADHD study

9/1/05-6/30/14

The DECIDE network conducts accelerated practical studies about the outcomes, comparative clinical effectiveness, safety, and appropriateness of health care items and services.

223-2002-100-10C, Food and Drug Administration

“Postmarketing Safety Evaluations Using Large Automated Healthcare Data Systems”

PI: Wayne A. Ray

Role on project: Co-investigator, Principal Investigator for these projects:

ADHD exposure and cardiovascular outcomes feasibility

SSRI exposures during pregnancy

Oral contraceptives and cardiovascular risk

Yearly Support (Direct Costs) \$294,640

Total Award Amount (Direct and Indirect) \$1,353,343

10/1/05-9/30/14

This contract provides a mechanism for investigation of postmarketing safety questions relevant to evaluating medication safety in large automated healthcare data systems.

P60 AR07001, National Institute of Arthritis & Musculoskeletal & Skin Disorders

WILLIAM OWEN COOPER (continued)

“Vanderbilt Multidisciplinary Clinical Research Center”

PI: Charles M. Stein

Role on project: PI for Project 3: “Fetal outcomes following rheumatologic drug exposures in pregnancy”

Annual costs for Project 3 (Direct Costs) \$178,473

Total costs for Project 3 (Direct and Indirect Costs) \$1,311,884

10/1/08-9/30/13

The purpose of the Multidisciplinary Clinical Research Center is to perform research to utilize an extensive research base to improve outcomes for patients with rheumatologic diseases.

T32 HD060554, National Institute of Child Health and Human Development

“Conducting Child Health Care Research in Vulnerable Populations”

Program Director: William O. Cooper

Principal Investigator: William O. Cooper

Role on project: Principal Investigator /Program Director

Annual costs (Direct Costs) \$400,970

Total Award Amount (Direct and Indirect) \$2,135,397

5/1/09-4/30/14

The purpose of this T32 training program is to train pediatricians to conduct research addressing the needs of vulnerable children.

Completed:

(b) (4)

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(b) (4)

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036816, Robert Wood Johnson Foundation Generalist Physician Faculty Scholars Program

“Effect of Medicaid Policies on Health Care Utilization and Health Outcomes for Children”

PI: William Cooper

Total costs (Direct Costs) \$ (b) (4)

7/1/99-6/30/04

This project, conducted as a part of Dr. Cooper’s participation in the Generalist Physician Faculty Scholars Program, focused on the role of Medicaid policies and use of preventer medications for children with asthma enrolled in the TennCare program.

WILLIAM OWEN COOPER (continued)

R01 HS 10249, Agency for Health Care Research and Quality

“TennCare Gaps for Children: Asthma Clinical Outcomes”

PI: William Cooper

9/1/00-2/28/03

Total Costs (Direct Costs) \$159,286

This project assessed the effects of gaps in health insurance coverage on emergency department utilization and hospitalizations for a cohort of children with asthma enrolled in TennCare.

U18 HS10384, Agency for Health Care Research and Quality

“Vanderbilt Center for Education and Research in Therapeutics”

PI: Wayne A. Ray

Role on project: CERT Associate Director

Yearly support (Direct Cost) \$627,011

Total Award Amount (Direct and Indirect) \$3,854,810

9/1/02-8/31/12

The CERT is an interdisciplinary center designed to fill critical gaps in the knowledge base about medication use for vulnerable populations served by Medicaid and the Veterans' Health Administration.

223-02-3003, Food and Drug Administration

“Infant Outcomes Following Prenatal Drug Exposure”

PI: William Cooper

Total Project Costs (Direct and Indirect Costs) \$731,953

9/30/02-6/1/05

This project assessed the effects of prenatal drug exposures to antibiotics likely to be used in the event of a bioterrorism attack.

U01 HL 072471, National Heart, Lung, and Blood Institute

“Asthma Disparities in Cohorts at Risk for Morbidity”

PI: James Sheller

Role on project: Investigator

4/1/02-3/31/07

Total costs (Direct Costs) \$2,886,694

This multidisciplinary project assessed asthma outcomes for children and adults at risk for morbidity using a variety of epidemiologic techniques.

K02 HS 013076, Agency for Health Care Research and Quality

“Medicaid MCOs and Suboptimal Pediatric Care”

PI: William Cooper

Total Costs (Direct Costs) \$286,277

8/15/03-7/31/06

This Independent Investigator Award from AHRQ facilitated career development activities and research assessing the effect of Medicaid MCO practices on asthma outcomes for children with moderate to severe asthma.

2232-002-100-10C, Food and Drug Administration

“ADHD Medications and Cardiovascular Outcomes”

WILLIAM OWEN COOPER (continued)

PI: William Cooper (also Chair of Multi-site Steering Committee)

Total Vanderbilt Costs (Direct Costs) \$225,000

4/1/06-3/31/07

The goal of this project was to identify a cohort of children with exposure to ADHD medications as a first step to identifying the risk for serious cardiovascular outcomes for children with exposures to these medications.

HHSA290-2005-0042-I-TO2-WA2, Agency for Healthcare Research and Quality

“ADHD Medications and Adverse Cardiovascular Outcomes”

PI: William O. Cooper (Lead PI, Steering Committee Chair, Coordinating Center Director)

Yearly support (Direct Cost) \$317,439

Total Award Amount (Direct and Indirect) \$923,374

9/3/07-3/21/11

This study is funded through the Vanderbilt DECIDE network (Marie Griffin, DECIDE PI) and is designed to assess the relationship between ADHD medication exposures and cardiovascular outcomes.

HD-056940, National Institute of Child Health and Human Development

“Assessment of Infant Outcomes Following in Utero Exposure to Antiretroviral Therapy”

Principal Investigator: Sonia Hernandez-Diaz, MD, DrPH (Harvard University)

Role on project: co-investigator

Annual costs (Direct Vanderbilt costs) \$187,925

Total Award Amount (Vanderbilt Direct and Indirect) \$588,904

7/1/09-5/31/12

The purpose of this project is to assess the rate of infant adverse outcomes related to maternal use of antiretroviral medications during pregnancy.

R01 MH79903, National Institutes of Mental Health

“Antidepressants and Suicidality in Children and Adolescents in TennCare”

PI: William O. Cooper

Yearly support (Direct Cost) \$225,000

Total Award Amount (Direct and Indirect) \$1,381,500

1/1/08-12/31/2012

This project investigates the relationship between antidepressants and suicide-related healthcare outcomes in children and adolescents enrolled in TennCare.

Funding Awarded for Trainees Working with Dr. Cooper:

2011 - National Research Service Award Conducting Child Health Research in Vulnerable Populations Training Program for support of (b) (6), MD.

2010 – 2013 Building Interdisciplinary Research Careers in Women’s Health Scholar (K12) for support of (b) (6), PhD

2009-2010 National Research Service Award Conducting Child Health Research in Vulnerable Populations Training Program for support of (b) (6), M.D.

2008-2010 National Research Service Award Health Services Research Training Program for support of (b) (6), M.D.

WILLIAM OWEN COOPER (continued)

- 2007-2008 National Research Service Award Translational Child Health Training Program for support of [REDACTED]^{(b) (6)}, M.D.
- 2007-2009 Ambulatory Pediatric Association Young Investigators Awards Program For [REDACTED]^{(b) (6)}, MD, MPH, [REDACTED]^{(b) (4)}
- 2005-2007 National Research Service Award Health Services Research Training Program for support of [REDACTED]^{(b) (6)} M.D.
- 2005-2006 Ambulatory Pediatric Association Young Investigators Awards Program For [REDACTED]^{(b) (6)}, MD, MPH, [REDACTED]^{(b) (4)}
- 2003-2004 Diabetes Medical Scholars Program, for support of [REDACTED]^{(b) (6)}, \$ [REDACTED]^{(b) (4)}
- 2003-2005 Diabetes Medical Scholars Program, for support of [REDACTED]^{(b) (6)}, \$ [REDACTED]^{(b) (4)}
- 2001 Diabetes Summer Research Training Program, for support of [REDACTED]^{(b) (6)}, [REDACTED]^{(b) (4)}
- 2001 Diabetes Summer Research Training Program, for support of [REDACTED]^{(b) (6)}, \$ [REDACTED]^{(b) (4)}

PUBLICATIONS & PRESENTATIONS:

Peer-Reviewed Articles:

1. Cooper WO, Fava RA, Gates CA, Cremer MA, Townes AS. Acceleration of onset and increase in incidence of collagen-induced arthritis by intra-articular injection of tumor necrosis factor-alpha and transforming growth factor/beta-1. *Clin Exp Immunol* 1992; 89:244-250.
2. Cooper WO, Atherton HD, Kahana M, Kotagal UR. Increased incidence of severe breastfeeding malnutrition in a metropolitan area. *Pediatrics* 1995; 96:957-960.
3. Cooper WO, Kotagal UR, Atherton HD, Lippert CA, Bragg E, Donovan EF, Perlstein PH. Use of health care services by inner city infants in an early discharge program. *Pediatrics* 1996;98:686-691.
4. Cooper WO, Federspiel CF, Griffin MR, Hickson GB. New use of anticonvulsants among children enrolled in Tennessee Medicaid. *Archives of Pediatrics & Adolescent Medicine* 1997;151:1242-1246.
5. Hickson GB, Cooper WO, Campbell PW, Altemeier WA. The effect of individual characteristics on management decisions. *Archives of Pediatrics & Adolescent Medicine* 1998;152:383-387.
6. Cooper WO, Daniels SR, Loggie JMH. Prevalence and correlates of blood pressure elevation in children with Guillain-Barre' syndrome. *Clinical Pediatrics* 1998; 10:621-624.

WILLIAM OWEN COOPER (continued)

7. Cooper WO, Hickson GB, Mitchel EF, Edwards KM, Thapa PB, Ray WA. Early childhood mortality from community-acquired infections. *American Journal of Epidemiology* 1999;150:517-527.
8. Cooper WO, Hickson GB, Mitchel EF, Ray WA. Comparison of perinatal outcomes among TennCare managed care organizations. *Pediatrics* 1999;104:525-529.
9. Cooper WO, Hickson GB, Gray CL, Ray WA. Continuity of enrollment for infants in the first year of life and children with chronic health conditions following implementation of TennCare. *Archives of Pediatrics & Adolescent Medicine* 1999;153:1145-1149.
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Book Chapters and Reviews

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80. Cooper WO, Gitlin JD. Charting a course for success: excellence in clinical care and discovery in academic departments. *Academic Medicine* 2011;86:544-545.
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Invited Speaker at International Meetings/Symposia:

1. "Detecting Pregnancy Outcomes Using Electronic Healthcare Databases", International Society for Pharmacoepidemiology, Barcelona, Spain, August 25, 2012.
2. "ADHD medications: Revisiting Risks and Benefits", Plenary Session, International Society for Pharmacoepidemiology, Barcelona, Spain, August 24, 2012.
3. "One to a Million: Pharmacoepidemiology and Policy", Pharmacoepidemiology: Spanning the Spectrum from Research to Policy, Belfast, Northern Ireland, United Kingdom. October 25, 2011.
4. "Assessing effects of maternal medications on cardiac development". International Society for Pharmacoepidemiology, Chicago, IL, August 22, 2011.
5. "Risks of antihypertensive medication exposures during pregnancy", International Society for Pharmacoepidemiology Meeting, Copenhagen, Denmark, August 21, 2008.
6. "Congenital malformations following ACE inhibitor exposures during pregnancy", International Pediatric Hypertension Association Annual Meeting, May 2008.
7. "Do Vaccines Have Non-Specific Effects on Childhood Mortality?" Invited speaker, World Health Organization Measles Vaccine Steering Committee, Geneva, Switzerland, April 29, 2003.

Invited Speaker at National Meetings:

1. "Using automated databases to assess fetal safety of maternal medication use during pregnancy." Prescription Drugs in Pregnancy Symposium, Food and Drug Administration, Silver Spring, Maryland, May 19, 2011.

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2. "Use of linked data sets to assess pregnancy drug exposures". Invited Speaker, Food and Drug Administration conference on Evaluating the Teratogenic Potential of Pharmaceutical Products Used at Clinical Doses, Washington, D.C., May 24-25, 2004.
3. "How to Make Interdisciplinary Research Work". Invited speaker, Academy for Health Services Research and Health Policy 2001 Annual Meeting, Atlanta, Georgia, June 11, 2001.
4. "Health Services Research in Medicaid Managed Care". Invited speaker, Child Health Services Research Symposium, Ambulatory Pediatric Association, New Orleans, LA, May 1, 1998.
5. "Use of Administrative Records in Child Health Services Research". Invited speaker, Child Health Services Research Symposium, Ambulatory Pediatric Association, New Orleans, May 1, 1998.

Invited Speaker at Other Institutions:

1. [REDACTED] (b) (4)
2. [REDACTED] (b) (4)
3. "Pediatric Pharmacoepidemiology: Evaluating Risks and Benefits of Medications." National Institutes of Child Health and Human Development Pediatric Clinical Pharmacology Research Seminar Series (presented as webinar), Bethesda, Maryland, November 7, 2012.
4. "Immunosuppressive medications and risk for congenital malformations." Food and Drug Administration, Silver Spring, Maryland, March 5, 2012.
5. "Propoxyphene and Mortality." Office for Surveillance and Epidemiology, Food and Drug Administration, Silver Spring, Maryland, March 1, 2011.
6. "Pregnancy-related Prescribing of Anticonvulsants." Medication Exposures in Pregnancy Seminar, Food and Drug Administration, Silver Spring, Maryland, February 28, 2011.
7. "Characteristics of Users and Nonusers of ADHD medications." Food and Drug Administration Epidemiology Group, Food and Drug Administration, Silver Spring, Maryland, December 3, 2009.
8. "ADHD medications and risk of cardiovascular events in children and adults." Agency for Healthcare Research and Quality, Rockville, Maryland, April 9, 2009.
9. "Methodological considerations when conducting pharmacoepidemiologic studies using computerized databases." Agency for Healthcare Research and Quality, Rockville, Maryland, April 9, 2009.

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10. "ADHD medications and risk of cardiovascular events in children and adults" Food and Drug Administration Epidemiology Group, Food and Drug Administration, Silver Spring Maryland, December 17, 2008.
11. "Assessing the Fetal Risks of Pregnancy-Related Drug Exposures" University of Washington Department of Pediatrics Grand Rounds, Seattle, Washington, April 17, 2008.
12. "Antibiotics Used in Response to Bioterrorism and Congenital Malformations" Food and Drug Administration Epidemiology Group, Food and Drug Administration, Silver Spring Maryland, December 2, 2006.
13. "Thalidomide: Avoiding the Failures of the Past" Grand Rounds, State University of New York Upstate Medical Center Department of Pediatrics, Syracuse, New York, December 7, 2005.
14. "Fetal Effects of Maternal Smoking" Smoking Cessation Conference, University of Louisville/Kentucky Cancer Center, July 20, 2005.
15. "Disparities in Asthma-Related Care" Pediatric Grand Rounds, Meharry Medical College, Nashville, Tennessee, September 24, 2003.
16. "Evaluating Child Health Outcomes Using Administrative Data" Child Health Evaluation and Research Unit Research Conference, University of Michigan, May 13, 2003.

Invited Moderator at International Meetings:

1. Moderator for Pediatrics Plenary Session. International Society for Pharmacoepidemiology Annual Meeting, Quebec, Canada, August 21, 2007.
2. Moderator for CNS Drugs Plenary Session. International Society for Pharmacoepidemiology Annual Meeting, Nashville, Tennessee, August 24, 2005.