

Curriculum Vitae

David E. Arterburn, MD, MPH, FACP, FTOS, FASMBS (Hon)

I am a general internist and a health services researcher whose primary focus is on identifying safe, effective, and affordable interventions to reduce the medical and psychosocial burden of obesity.

Current Position and Academic Appointment

Senior Investigator
Kaiser Permanente Washington Health Research Institute*
Consultative Internal Medicine Physician
Washington Permanente Medical Group
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Affiliate Professor
Division of General Internal Medicine
Department of Medicine
University of Washington

**formerly the Group Health Research Institute*

Education

M.P.H., Health Services, University of Washington, School of Public Health and Community Medicine, June 2003

M.D., University of Kentucky College of Medicine, May 1997

B.S., Biology, *cum laude*, Murray State University, May 1993

Postgraduate Training

Internship in Internal Medicine
The University of Texas Health Science Center at San Antonio
July 1997 – June 1998

Residency in Internal Medicine
The University of Texas Health Science Center at San Antonio
July 1998 – June 2000

Chief Residency in Internal Medicine
The University of Texas Health Science Center at San Antonio
July 2000 – June 2001

Ambulatory Care/Health Services Research and Development Fellow
Northwest Veterans Affairs Health Services Research and Development Field Program
Veterans Affairs Puget Sound Health Care System, Seattle, WA
July 2001 – June 2003

Board Certification

American Board of Internal Medicine, No. 202557; Certification valid through 12/31/23

Medical Licensure

State of Washington Medical License, 025209 MD00039925

Drug Enforcement Administration Registration Number BA6948181

State Medical Board of Ohio License No. 82827 (inactive)

State of Texas Medical License, K6438 (inactive)

Leadership Training

Group Health Facilitative Leadership Program, Nov-Dec 2014

Previous Academic Appointments and Positions

Assistant Professor of Medicine, Department of Medicine, University of Cincinnati College of Medicine, Cincinnati, OH; July 2003 – January 2006

Investigator, Health Services Research and Development, Cincinnati VA Medical Center, Cincinnati, OH; July 2003 – January 2006

Assistant Scientific Investigator, Group Health Research Institute, Seattle, Washington; 2/2006-4/2010

Affiliate Assistant Professor, University of Washington, Department of Medicine, Division of General Internal Medicine, Seattle, Washington; 2007-2011

Associate Scientific Investigator, Group Health Research Institute, Seattle, Washington; 4/2010-8/2015

Affiliate Associate Professor, University of Washington, Department of Medicine, Division of General Internal Medicine, Seattle, Washington; 2011-2016

Honors and Awards

Beta Beta Beta Biological Honor Society, Murray State University, 1991

Order of Omega, Murray State University, 1992

Beale Senior Scholarship, University of Kentucky College of Medicine, 1996

Milton W. Hamolsky Junior Faculty Research Award *Recipient*, Society of General Internal Medicine, 2004

Milton W. Hamolsky Junior Faculty Research Award *Finalist*, Society of General Internal Medicine, 2005

Visiting Professor Program in Geriatrics & Gerontology Awards Best Paper/Poster, *First Runner-up*, Society of General Internal Medicine, 2005

2007 National Health Information Merit Award, Patient Education Information category, "Weight Loss Surgery: Is It Right for You?" D. Arterburn, Medical Editor

Bronze Plaque, 2007 Columbus International Film and Video Festival, "Weight Loss Surgery: Is It Right for You?" The Film Council of Greater Columbus; D. Arterburn, Medical Editor

Platinum EMPixx Award, 2010, Corporate Videos and Films, "Weight Loss Surgery: Is It Right for You?" D. Arterburn, Medical Editor

One of the 2011 Best Abstracts, AcademyHealth, 2011

Finalist, Group Health Physicians Innovation/Research Award, 2012

Nominee, Group Health Research Institute, Faculty Mentoring Award, 2013

Elected a Fellow of The Obesity Society (FTOS), 2013

Most downloaded manuscript for the journal *Obesity Surgery*, 2013 and 2014

Elected a Fellow of the American College of Physicians (FACP), 2014

Nominee, Group Health Research Institute, Staff Mentoring Award, 2014

Most Grants Submitted (13) in 2015, Group Health Research Institute, 2016

Extraordinary Principal Investigator Award, Kaiser Permanente WA Health Research Institute, 2017

Nominee, Kaiser Permanente Washington Health Research Institute, Faculty Mentoring Award, 2017

Elected an Honorary Fellow of the American Society of Metabolic and Bariatric Surgery, 2018

Memberships in Professional Organizations (and service positions)

American College of Physicians-American Society of Internal Medicine, 1998 – present

Fellow, American College of Physicians (FACP), 2014

Member, ACP Technical Expert Panel, systematic review on management of obesity in adult primary care patients, 2016-2017

The Obesity Society/North American Association for the Study of Obesity, 2003 – present

Fellow, The Obesity Society (FTOS), 2013

Founding Chair, Health Services Research Section, 2008 – 2011

Member, TOS Early-Career Grant Review Program, 2010 – 2013

Scientific abstract reviewer, 2013, 2016

Obesity Action Coalition, 2013, 2016-2017

Society for Medical Decision Making, 2003 – 2010

Co-Chair, SMDM Clinical Strategies and Guidelines Abstract Committee, 2005

Chair, SMDM Clinical Strategies and Guidelines Abstract Session, 2005

Society of General Internal Medicine, 1998 – 2010

Member, SGIM Prevention Scientific Abstract Review Committee, 2004, 2007

Member, SGIM UpToDate Leadership Group, 2004 – 2009

Professional Service

Committee Involvement

Member, University of Cincinnati College of Medicine, Biostatistics/Evidence-based Medicine Curriculum Development Taskforce, January 2005 – January 2006

Member, Department of Veterans Affairs Surgical Service, Bariatric Surgery Workgroup, January 2005 – January 2006

Member, Guideline Development Committee, Department of Veterans Affairs/Department of Defense

Member, Clinical Practice Guideline Committee for the Management of Obesity and Overweight, Group Health Cooperative, January 2005 – July 2006

Member, Healthy Lifestyle Population committee, Group Health Cooperative, February 2006 – 2007

Member, Workgroup on Bariatric Surgery, Center for Medical Technology Policy, 2006 – 2007

Co-Clinical Lead, Weight Management Guideline, Group Health Cooperative, July 2006 – 2008

Member, Strategic Growth Committee, Group Health Research Institute, 2010 – 2011

Co-Clinical Lead, Content of Care Shared Decision Making Implementation Team, Group Health Cooperative, December 2007 – Present

Member, Director Search Committee, MacColl Center, Group Health Research Institute, 2011

Member, Faculty Mentoring Award Selection Committee, Group Health Research Institute, 2012

Member, Weight Management Guideline Committee, Group Health Cooperative, 2012 – 2013

Standing Member, Human Subjects Review Committee / Institutional Review Board, Group Health Cooperative, 2012 – Present

Member, Grants and Contracts Manager Search Committee, Group Health Research Institute, 2013

Member, Group Health Research Institute-Group Health Physicians Workgroup on Building Capacity in GHP for Specialty Research, 2013-2014

Member, Survey Research Program Manager Search Committee, Group Health Research Institute, 2014

Member, Accountable Payment Models for Bariatric Surgery Workgroup, Dr. Robert Bree Collaborative, 2016

Interim Chair, Human Subjects Review Committee / Institutional Review Board, Group Health Cooperative, 2016

Chair, Evaluation Committee for Opportunistic Hire (Carrell), Group Health Research Institute, 2016

Member, KPWA Weight Management Guideline Committee, 2018

Member, KPWA VP of Research & Healthcare Innovation Academic Search Committee, 2018

Member, KP National Guideline Development Team for Obesity, 2019

Scientific Review Activities

Ad hoc reviewer, U.S. Preventive Services Task Force, Screening for Obesity and Adults: Summary of the Evidence for the U.S. Preventive Services Task Force, 2003

Ad hoc reviewer, Agency for Healthcare Research and Quality, Evidence Report/ Technology Assessment, Diagnosis and Treatment of Obesity in the Elderly, 2003

Ad hoc reviewer, Agency for Healthcare Research and Quality, Evidence Report/ Technology Assessment, Pharmacological and Surgical Treatment of Obesity, 2003

Ad hoc Study Section Panel Member; AHRQ Special Peer Review Panel for Comparative Effectiveness Research, RFA-HS-10-004, Agency for Healthcare Research & Quality; Apr 2010

Ad hoc reviewer, U.S. Preventive Services Task Force, Screening and Management of Obesity and Overweight in Adults; 2010

Ad hoc reviewer, Agency for Healthcare Research and Quality, Effective Healthcare Program, Report on Comparative Effectiveness of Bariatric Surgery and Non-Surgical Therapy in Adults with Metabolic Conditions and Body Mass Index of 30 to 34.9; 2011

Invited ad hoc study section member, Kidney Nutrition Obesity and Diabetes Study Section, Center for Scientific Review, National Institutes of Health, 2013

Independent Safety Monitor, Dose Response Evaluation and Analysis of Massage study, Group Health Research Institute, 2009-2011

Independent Safety Monitor, Vaccine Trials Evaluation Unit, Group Health Research Institute, 2008-present

Ad hoc study section member, Psychosocial Risk and Disease Prevention (PRDP) Study Section, National Institutes of Health, 2014

Member, American College of Physicians Technical Expert Panel, systematic review on management of obesity in adult primary care patients, 2016-2017

Ad hoc study section member, Kidney Nutrition Obesity and Diabetes (KNOD) Study Section, Center for Scientific Review, National Institutes of Health, 2017

Ad hoc study section member, Health Services Organization and Delivery (HSOD) Section, Center for Scientific Review, National Institutes of Health, 2018

National/International Distinguished Activities

Expert panel member, Safety Issues in Bariatric Surgery: Expert Panel Meeting, Agency for Healthcare Research and Quality, Rockville, MD, 14 October 2004

Expert panel member, AHIP Panel on Obesity Screening, America's Health Insurance Plans, 2006-2007

Chair, NCQA Adult Obesity Measurement Advisory Panel, National Committee for Quality Assurance, 2006-2009

Symposium Chair, The Obesity Society 2007 Annual Meeting, Addressing Quality in Obesity Care, New Orleans, LA, 24 October 2007

Co-Chair, Education and Implementation Session, International Shared Decision Making Conference, Boston, MA, 15 June 2009

Founding Chair, Health Services Research Section, The Obesity Society, 2008 – 2011

Chair, Obesity Special Interest Group, Health Maintenance Organization Research Network, April 2009-2012

Co-Chair, National Institutes of Health, NIDDK/NHLBI, Conference on the Long-Term Outcomes of Bariatric Surgery, 2012-2013

Co-Chair, Implementation Theme, International Shared Decision Making Conference, Lima, Peru, June 17-19, 2013

Scientific Advisory Board Member, Healthwise Incorporated, 2016 – 2018

Co-Chair, Scientific Session: Clinical Pearls in the Medical Management of Bariatric Patients, ObesityWeek 2017, Washington, DC, October 31, 2017

Editorial Service

Medical Editor, Informed Medical Decisions Foundation (formerly the Foundation for Informed Medical Decision Making); 2004 – 2016

Manuscripts Reviewer

JAMA

British Medical Journal

Obesity

American Journal of Medicine

Archives of Internal Medicine (JAMA Medicine)

American Journal of Cardiology

Diabetes Care

Annals of Internal Medicine

Medical Care

Health Affairs

Journal of the American Geriatrics Society

American Journal of Preventive Medicine

Obesity Research and Clinical Practice

Surgery for Obesity and Related Diseases

Funding History (45 total grants: 19 grants as Principal Investigator; total over \$17 million as PI)

Ongoing research support

Grant #45: Grant # pending (Arterburn)

Dates: July 2019-June 2022

Agency: PCORI

Title: Shared Decision Making for Bariatric Surgery in Patients with Severe Obesity

Goals: To incorporate new PCORI comparative effectiveness research evidence on bariatric surgery from PBS into a decision aid and SDM approach, and then implement and rigorously evaluate the updated strategy at two large healthcare systems: Kaiser Permanente Washington (KPWA) and UPMC in Pennsylvania.

Role: Principal Investigator

Funding: \$2.1 million

Grant #44: 1R01DK115408 (Dimick)

Dates: Aug 2018-Apr 2022

Agency: NIDDK

Title: Long-term comparative safety and economic outcomes of sleeve gastrectomy.

Goals: To compare the long-term safety of sleeve gastrectomy vs. gastric bypass. To evaluate

long-term health care use and expenditures of sleeve gastrectomy vs. gastric bypass. And to evaluate heterogeneity in safety, health care use, and expenditures for sleeve gastrectomy vs. gastric bypass.

Role: Co-investigator

Grant #43: R01HL132880 (Rosenberg)

Dates: June 2018-Mar 2023

Agency: NHLBI

Title: Randomized trial to reduce sitting time and improve cardiometabolic health in obese older adults

Goals: The proposed randomized trial will allow us to test an innovative, scalable intervention to reduce sedentary behavior and increase standing and light activity to determine if health improves.

Role: Co-investigator

Grant #42: R01 DK112750 (Lewis)

Dates: Sept 2017-June 2022

Agency: NIDDK

Title: Clinical and Health Care Use Outcomes for Vertical Sleeve Gastrectomy vs. Roux-en-Y Gastric Bypass Using a National Commercial Insurance Claims Dataset

Goals: The proposed study will use a nationwide commercial insurance claims dataset to evaluate clinical and health care use outcomes among over 10,000 patients undergoing VSG, compared to 10,000 patients undergoing RYGB, between 2005 and 2017, with up to 8 years of follow-up.

Role: Consultant

Grant #41: R01 DK114196 (Arterburn, Drewnowski)

Dates: Sept 2017- June 2022

Agency: NIDDK

Title: *Moving to Health: How Changing Built Environments Impact Weight and Glycemic Control*

Goals: To determine whether measures of the built environment can predict changes in body weight and HbA1c among adults and children during 12 years follow-up; and to determine whether immediate, moving-induced changes in BE variables and more gradual, secular changes in BE can predict changes in body weight and HbA1c, independent of changes in SES and other covariates

Role: Co-Principal Investigator with Dr. Adam Drewnowski

Funding: \$2.7 million

Grant #40: U01 DK114156 (Kirwan, Schauer)

Dates: July 2017 – June 2022

Agency: NIDDK

Title: *Alliance of Randomized Trials of Medicine versus Metabolic Surgery in Type 2 Diabetes Consortium (ARMMS-T2D)*

Goals: To determine the long-term durability of diabetes remission after randomization to intensive medical/weight management (IMWM) or bariatric surgery; to assess the long-term (7 year) efficacy and safety of bariatric surgery compared to IMWM; and to identify clinical predictors of diabetes remission and relapse.

Role: Co-Investigator

Grant #39: R01 DA040056 (Maciejewski)

Dates: Sept 2016 – Apr 2021

Agency: NIDA

Title: *Long-term Mental Health Outcomes of Bariatric Surgery*

Goals: This study will use novel data in longitudinal matched cohorts of bariatric and non-surgical patients with severe obesity from the Department of Veterans Affairs to understand the incidence and persistence of post-operative alcohol misuse, chronic prescription opioid use, and major depression.

Role: Co-Investigator

Grant #38: R01 HL130462-01 (Coleman)

Dates: July 2016 – Apr 2020

Agency: NHLBI

Title: *Effectiveness of Gastric Sleeve vs. Gastric Bypass for Cardiovascular Disease*

Goals: 1. To compare the effectiveness of VSG and RYGB in remission of CVD risk factors and reduction in overall CVD risk; 2. To compare VSG and RYGB surgical safety; and 3. To understand the treatment effect heterogeneity in remission of CVD risk factors, reduction in overall CVD risk, and

safety outcomes.

Role: Co-Investigator

Grant #37: R01 DK108522-01 (Coleman) Dates: Sept 2015 – July 2020

Agency: NIDDK

Title: *Predictors of Weight Loss Failure and Regain in Bariatric Patients*

Goal: Aim 1. The goal of the project is to a) determine how demographic, behavioral, psychosocial, and perceived environmental pre-surgical factors, and post-surgical behavioral and psychosocial factors predict weight loss; b) understand the variability in weight loss using qualitative methods and c) study the development of adverse psychosocial consequences and determine how they relate to overall weight loss.

Role: Co-Investigator

Grant #36: R01 DK105960-01 (Arterburn, Coleman) Dates: September 2015 – July 2020

Agency: NIDDK

Title: *Long-term Benefits and Risks of Bariatric Surgery in Integrated Care Systems*

Goal: The proposed project will be the largest study to date to investigate the long-term relationship between bariatric surgery and durable improvements in body weight, hypertension, and renal disease, as well as the association with surgical reintervention and long-term survival.

Role: Co-Principal Investigator (Coleman Co-PI)

Funding: \$2.7 million

Completed Research Support:

Grant #35: R21 AG052758 (Rosenberg) Dates: Sept 2016 – August 2018

Agency: National Institute on Aging (NIA)

Title: *Take Active Breaks from Sitting (TABS) Study: Reducing Sedentary Time in Obese Older Adults*

Goals: To conduct a randomized pilot study to formally assess the feasibility, acceptability, and impact of a phone-based intervention designed to decrease sitting time and increase light intensity physical activity among sedentary obese older adults.

Role: Co-Investigator

Grant #34: (McGlynn) Dates: Oct 2015 – Apr 2019

Agency: Patient-Centered Outcomes Research Institute (PCORI)

Title: *Kaiser Permanente & Strategic Partners Patient Outcomes Research to Advance Learning (PORTAL) Phase II*

Goal: The PORTAL Phase II proposes to expand cohorts of: (1) patients with a diagnosis of colorectal cancer; (2) adolescents and adults with severe congenital heart disease (CHD); and (3) adults who are overweight or obese, including those who have prediabetes or diabetes. Further, PORTAL will continue to develop and expand the PCORnet CDM infrastructure for observational studies and clinical trials.

Role: Co-Investigator

Grant #33: OBS-1505-30683 (Arterburn, McTigue, Williams) Dates: Feb 2016 – Feb 2019

Agency: Patient-Centered Outcomes Research Institute (PCORI)

Title: *PCORnet Bariatric Study*

Goals: The main goal of this comparative effectiveness research study is to provide accurate estimates of the 1-, 3-, and 5-year benefits and risks of the three main surgical treatment options for severe obesity – Roux-en-Y gastric bypass (RYGB), adjustable gastric banding (AGB), and sleeve gastrectomy (SG) – with a focus on the outcomes that have been shown to be most important to adults and adolescents with severe obesity: 1) weight loss, 2) improvement in diabetes, and 3) risk of adverse events.

Role: Co-Principal Investigator (Prime-site PI)

Funding: \$4.5 million

Grant #32: R01 CA175346-01 (Schauer) Dates: 03/1/14 - 2/28/18
 Agency: NCI
 Title: *Impact of Bariatric Surgery on Cancer Incidence in Severely Obese Adults*
 Goals: The primary goal of this study is to examine the association between weight reduction and cancer risk, and if associated, to establish the degree of intentional weight loss needed to impact cancer risk. Aim 1: Estimate the impact of bariatric surgery versus routine non-surgical care on the incidence of cancer (all types) in all severely obese patients (men and women). Aim 2: Assess the degree to which the reduction in cancer risk is mediated by weight loss versus other metabolic changes induced by bariatric surgery. Aim 3: Determine which patient characteristics are most strongly associated with a reduction in cancer incidence in severely obese patients.
 Role: Co-Investigator

Grant #31: 1U34DK107917-01 (Kirwan) Dates: Aug 2015 – June 2017
 Agency: NIDDK
 Title: *Alliance of Randomized Trials of Medicine versus Metabolic Surgery in Type 2 Diabetes Consortium (ARMMS-T2D)*
 Goals: Investigators from four RCTs have unified with the intent of developing a cohesive U01 application to support the long-term (7 years) follow-up of 302 patients who were randomized to surgical or non-surgical diabetes management approaches.
 Role: Co-Investigator

Grant #30: SC14-1403-11305 (Toh) Dates: 12/1/14 – 11/30/17
 Agency: PCORI
 Title: *Privacy-Preserving Analytic and Data-Sharing Methods for Clinical and Patient-Powered Data Networks*
 Goals: This is the first study to systematically assess privacy-preserving analytic and data-sharing methods for PCOR. Aim 1: Assess stakeholders' understanding of privacy-preserving methods, and the benefits and limitations of using them in multisite PCOR studies; Aim 2: Develop a suite of analytic tools to perform rigorous PCOR analysis without sharing potentially identifiable data; Aim 3: Create freely available analytic tools and educational materials for these methods
 Role: Site-PI and Co-Investigator

Grant #29: R01 DK092317-01 (Arterburn) Dates: 07/13/12 - 5/30/16
 Agency: NIDDK
 Title: *Impact of Bariatric Surgery on Long-term Diabetes Remission and Complications*
 Goals: Our primary goal will be to explore the legacy effect of RYGB through a series of analyses that characterize long-term micro- and macrovascular outcomes across three patient groups: those who do not remit their T2DM after RYGB; those who experience durable T2DM remission after RYGB; and those who relapse their T2DM after an initial remission. Aim 1: Examine the relationship between T2DM remission and relapse after RYGB on the development of microvascular complications among severely obese adults. Aim 2: Examine the relationship between T2DM remission and relapse after RYGB on the development of macrovascular complications among severely obese adults.
 Role: Principal Investigator
 Funding: \$2.3 million

Grant #32: R21 AA023037-01A1 (Bradley) Dates: 9/20/14 – 3/19/16
 Agency: NIAAA
 Title: *A Novel Patient-centered Decision Aid to Inform Alcohol Treatment Choices*
 Goals: The proposed rigorous 18-month study will develop a high quality decision aid for patients with AUD consistent with international standards. Specific aims are: 1) to understand the needs of patients, family members, and clinicians regarding shared decision making for AUD; 2) to synthesize the available evidence on treatment options that should be offered to adult patients with AUD; and 3) to develop and conduct initial field tests of a decision aid for patients with AUD.

Role: Co-Investigator

Grant #28: GHF #1096 (Arterburn and Dimer) Dates: 1/1/2015 - 12/31/2015
Agency: Group Health Foundation
Title: *Shared Decision Making for Maternity Care*
Major Goals: The overall goal of this project is to implement web-based decision aids into routine care at maternity visits to help patients discuss treatment options with their maternity providers. We will also develop and implement metrics to track process measures and standards of care.
Role: Co-Principal Investigator
Funding: \$111,000

Grant #27: (Arterburn) Dates: 7/1/2004 - 12/31/2015
Agency: Informed Medical Decisions Foundation, a division of Healthwise, Inc.
Title: *Medical Editor, Informed Medical Decisions Foundation*
Major Goals: 1) To develop and maintain an evidence-based patient decision aid for morbidly obese patients considering bariatric surgery as a method of promoting weight loss. 2) To develop an evidence-based decision support tool for health coaches to promote weight loss and weight maintenance in overweight and obese adults. 3) To conduct a systematic review of the effectiveness of worksite wellness programs to improve body weight, nutrition, physical activity, stress, and to promote smoking cessation. 4) To support implementation and evaluation of a system-wide effort to develop shared decision making processes and decision aid delivery at Group Health.
Role: Principal Investigator

Grant #26: (McGlynn) Dates: 3/18/14 – 9/17/15
Agency: PCORI
Title: *Kaiser Permanente & Strategic Partners Patient Outcomes Research to Advance Learning (PORTAL) Network*
Goals: This project will develop the infrastructure necessary to create a Clinical Data Research Network (CDRN) for conducting comparative effectiveness research. Our network includes 11 research centers at four health care delivery systems: Kaiser Permanente, Group Health Cooperative, HealthPartners, and Denver Health. The PORTAL network will construct cohorts of: (1) Patients with a diagnosis of colorectal cancer, (2) Adolescents and adults with severe congenital heart disease, (3) Adults who are overweight or obese, including those who have pre-diabetes or diabetes.
Role: Site-PI and Co-Investigator

Grant #25: R01 DK089528–01 (Cummings) Dates: 7/1/10 – 6/30/15
Agency: NIDDK
Title: *Feasibility, Efficacy, and Mechanisms of Surgical vs. Medical Diabetes Treatment*
Major Goals: The goal of this feasibility RCT will be to demonstrate the utility of this novel cohort generation scheme, to determine the number needed to approach to accomplish appropriate sample sizes, to assess the reliability of passive and active data collection mechanisms in this network, to determine the accuracy of assignment of concurrent healthcare utilization (HCU) measurements, and determine the resources required for eventual full scale study execution and retention.
Role: Co-Investigator; Site-PI

Grant #24: (Arterburn) Dates: 8/1/2014-3/31/2015
Agency: Group Health Cooperative
Title: *Major Taylor Program Evaluation*
Major Goals: To assess and demonstrate the value of the Major Taylor bicycling Program to various stakeholders to help increase future student/school participation and improve funding /support. The program's goal is to empower under-served youth through cycling by promoting positive physical, emotional and social development.
Role: Principal Investigator

Grant #23: IIR 10-159 (Maciejewski) Dates: 9/11 – 8/14
Agency: Department of Veterans Affairs, Health Services Research & Development
Title: *Bariatric Surgery's Return on Investment for Veterans and VHA*
Goal: This is a population-based, retrospective two-cohort study to compare weight change and resolution of diabetes, hypertension, and hyperlipidemia between veterans who had bariatric surgery and a matched cohort of severely obese veterans who did not have bariatric surgery in 2000-2012; we will also examine differences in survival, health care use and medical expenditures.
Role: Co-Investigator

Grant #22: R206015001 (Arterburn) Dates: 7/1/2004 - 6/30/2014
Agency: Informed Medical Decisions Foundation Inc.
Title: *Medical Editor, Informed Medical Decisions Foundation*
Major Goals: 1) To develop and maintain an evidence-based patient decision aid for morbidly obese patients considering bariatric surgery as a method of promoting weight loss. 2) To develop an evidence-based decision support tool for health coaches to promote weight loss and weight maintenance in overweight and obese adults. 3) To conduct a systematic review of the effectiveness of worksite wellness programs to improve body weight, nutrition, physical activity, stress, and to promote smoking cessation.
Role: Principal Investigator

Grant #21: 0103-1-5 (Arterburn) Dates: 3/1/2008 - 6/30/2014
Agency: Informed Medical Decisions Foundation.
Title: *Shared Decision Making Pilot*
Major Goals: Analysis of existing CHS databases to identify variations in preference-sensitive care at Group Health; Conduct in-depth interviews with key stakeholders in Group Health to identify opportunities to implement shared decision making; and piloting implementation of patient decision aids in a multispecialty group practice setting.
Role: Principal Investigator

Grant #20: (Arterburn) Dates: 1/1/13 - 12/31/13
Agency: Group Health Development Fund
Title: *Making Bariatric and Shared Decision Making (SDM) Research More Patient-Centered*
Goals: The purpose of this GHRI Development Fund proposal is to create two high-functioning Patient-Centered Stakeholder panels to advise on future PCORI funding in the areas of bariatric surgery and shared decision making.

Grant #19: iSAEC (Arterburn) Dates: 05/13 – 12/13
Agency: International Serious Adverse Events Consortium
Title: *A Feasibility Research Pilot to Determine the Practicality of Using the HMO Research Network to Research the Genetics of Drug Induced Serious Adverse Events - Phase II*
Goals: The study will utilize data from EMR's, other patient records, and administrative files to efficiently identify and recruit 100 cases of extreme weight gain due to antipsychotic medication use for pharmacogenetics research.
Role: Principal Investigator
Funding: \$247,000

Grant #18: R01 HS019912-01 (Steiner) Dates: 09/10 – 09/13
Agency: Agency for Healthcare Research & Quality
Title: *SPAN: Scalable PARTnering Network for CER: Across Lifespan, Conditions, and Settings*
Goals: Build population-based cohorts suitable for conducting CER that increase in complexity as the network develops, and ultimately incorporate clinical and patient-reported outcomes; illustrate the capacity for these cohorts to serve as a basis for CER. Develop a cohort of adults with obesity who have and have not undergone weight loss surgery. Stratify the obesity cohort into additional cohorts of

adults with and without depression to facilitate CER of both weight and depression management in the face of the comorbid condition.

Role: Co-investigator

Grant #17: DEcIDE HHS290201000008I (Platt) Dates: 07/10 – 07/13
Agency: Agency for Healthcare Research & Quality
Title: *The Developing Evidence to Inform Decisions about Effectiveness-2 (DEcIDE-2) Network*

Goals: The DEcIDE-2 network supports AHRQ's response to the Medicare Modernization Act's mandates for comparative effectiveness and safety research. The Network develops scientific evidence and methodologies about the outcomes, comparative clinical effectiveness, safety, and appropriateness of health care items and services for improving the quality, effectiveness, and efficiency of healthcare.

Role: Co-Investigator; Site-PI

Grant #16: R01 MH083671 (Arterburn) Dates: 7/1/09 – 6/30/13
Agency: National Institute of Mental Health
Title: *Antidepressant Treatment and Risk of Obesity*

Major Goals: This retrospective study will describe the natural history of body weight change among adults with a new diagnosis of depression, examine the association between obesity and processes of depression care among adults with a new diagnosis of depression, and assess for differences in the trajectory of body weight change across individual antidepressants in a cohort of antidepressant users.

Role: Principal Investigator

Funding: \$1.2 million

Grant #15: iSAEC (Davis) Dates: 03/11 – 02/13
Agency: International Serious Adverse Events Consortium
Title: *A Feasibility Research Pilot to Determine the Practicality of Using the HMO Research Network to Research the Genetics of Drug Induced Serious Adverse Events - Phase II*

Goals: The study will utilize data from EMR's, other patient records, and administrative files to efficiently identify and recruit 100 cases of extreme weight gain due to antipsychotic medication use for pharmacogenetics research.

Role: Co-Investigator and Site-PI

Funding: \$93,000 (Arterburn/Group Health)

Grant #14: CMWF 20080479 (Arterburn) Dates: 4/1/09-3/31/12
Agency: The Commonwealth Fund
Title: *Assessing the Impact of Patient Decision Aids on Health Care Utilization and Costs of Care*

Goals: To assess the impact of implementing as suite of 12 video-based patient decision aids related to elective surgical procedures in Group Health. To assess the impact of the decision aids on surgical procedure rates, costs of care, and to calculate return on investment. To assess the process, barriers, and facilitators for implementing decision aids with physicians in various practice settings in Group Health.

Role: Principal Investigator

Funding: \$400,000

Grant #13: HHS29020050033I (Platt) Dates: 12/15/09 – 12/31/11
Agency: AHRQ
Title: *Expansion of the DEcIDE DRN Infrastructure to Support Studies of Comparative Effectiveness*

Major Goals: Make operational a scalable data network that supports secure analyses of electronic information across multiple organizations. Build on the prototype and distributed research dataset developed during prior work to expand the network's technical capabilities, develop governance policies, demonstrate the capability of external investigators to use the network, create an array of

partnerships to stimulate use of the network, and collaborate with AHRQ to disseminate the findings.

Role: Co-Investigator; Site-PI

Grant #12: FA7014-08-2-0002 (Carr) Dates 10/1/2008 – 9/30/2011

Agency: U.S. Department of Defense

Title: *Data Investigation of Bariatric Surgery Outcomes and Economic Savings*

Major Goals: The study will test the hypotheses that surgical interventions for extreme obesity are more cost effective than non-operative approaches. That in certain subgroups of patients and procedures, operative approaches represent dominant technology compared to non-operative approaches; and that a health care strategy that directs more patients with extreme obesity to bariatric surgery will decrease healthcare expenditures by a single-payer over five and ten-year timelines with increasing savings identified over longer timelines.

Role: Co-Investigator

Grant #11: R01 DK076608-01 (Drewnowski) Dates: Mar 2008 – Feb 2011

Agency: National Institute of Diabetes, Digestive, and Kidney Diseases

Title: *Food environment, diet quality, and disparities in obesity*

Goal: To test the hypothesis that access to foods, defined in terms of availability and monetary and time cost, affects diet quality at the individual level, after adjusting for demographic and socioeconomic measures. To test the hypothesis that lower-cost, energy-dense diets are associated with higher rates of obesity and diabetes at the individual level, after adjusting for demographic, SEP and physical activity measures.

Role: Co-Investigator

Grant #10: SAEC (Davis) Dates: 9/09 – 08/10

Agency: International Serious Adverse Events Consortium

Title: *A Feasibility Research Pilot to Determine the Practicality of Using the HMO Research Network to Research the Genetics of Drug-Induced Serious Adverse Events*

Goals: The study will utilize data from EMR's, other patient records, and administrative files to determine the feasibility of efficiently identifying SAE cases and related controls for pharmacogenetics research.

Role: Co-Investigator and Site-PI

Grant #9: DEcIDE 35-HMN-1 (Selby) Dates: 2/1/09 – 1/31/10

Agency: AHRQ

Title: *Health outcomes of bariatric surgery in individuals with type 2 diabetes*

Major Goals: This retrospective study of patients at four Health Maintenance Organizations will examine the health outcomes of diabetic patients who undergo bariatric surgery, including: 1) resolution of diabetes, 2) changes in medication use, 3) changes in diabetes-related outcomes, 4) incident micro and macrovascular disease, and 5) harms, including complications and death.

Role: Principal Investigator of the Work Assignment (Joe Selby is PI for DEcIDE)

Funding: \$168,000

Grant #8: IIR 05-201-1 (Arterburn/Maciejewski) Dates: Oct 2007 – Sept 2009

Agency: Department of Veterans Affairs

Title: *The Long-Term Outcomes of Bariatric Surgery in the VA*

Goal: This is a population-based, retrospective two-cohort study to compare the survival rates, health care use, and medical expenditures of 1200+ morbidly obese veterans who had bariatric surgery in VA medical centers from 2000 to 2006 with those of 60,000+ morbidly obese veterans who did not have surgery. Additional goals are to compare the preoperative and postoperative health care use and expenditures and to identify patient-level predictors of survival and adverse events among morbidly obese veterans who had bariatric surgery in VA medical centers from 2000 to 2005.

Role: PI then Co-Investigator; originally PI before leaving Cincinnati VA Medical Center '06

Funding: \$423,000

Grant #7: FDN341F1-603411 (Arterburn) Dates: 1/1/2008 - 6/30/2009
Agency: Foundation for Informed Medical Decision Making Inc.
Title: *Randomized Trial of a Patient Decision Aid for Bariatric Surgery*
Major Goals: Conduct a randomized controlled trial to assess the effect of a video-based decision aid for bariatric surgery on bariatric-specific measures of patient knowledge, values, and the choice of weight management strategy.
Role: Principal Investigator
Funding: \$100,000

Grant #6: R207-093.001 (Arterburn) Dates: 1/1/2008 - 1/14/2009
Agency: Group Health Community Foundation
Title: *Family-based weight obesity treatment for high-risk parents and their children*
Major Goals: The primary objectives are to convene a multidisciplinary team of clinical and research experts in weight management to develop and refine the intervention protocol, test our intervention among 12 households, and work with the Group Health Department of Preventive Care to develop a plan to translate our findings into practical weight management tools and programs for clinicians and patients in Group Health.
Role: Principal Investigator

Grant #5: R01 MH068127 (Simon) Dates: Sept 2002 – Aug 2008
Agency: National Institute of Mental Health
Title: *Epidemiology and Care of Comorbid Obesity and Depression*
Goal: A population based epidemiologic study of the association between obesity and depression among women and a randomized, longitudinal study of obesity treatment among two cohorts (one with comorbid obesity and depression; one with obesity only) identified by the epidemiologic study.
Role: Co-investigator

Grant #3: P20 RR020774 (Drewnowski) Dates: Aug 2006 – June 2007
Agency: National Institutes of Health (Roadmap Initiative)
Title: *An Exploratory Center for Obesity Research (RMI)*
Goals: 1) A population based study of the geographic distribution of obesity and associated diseases among adults in Western Washington using spatial informatics to examine relationships with the built environment, access to food sources, socio-demographic characteristics, and geography. 2) A pilot survey of the acceptability of financial incentives and health plan benefit options for obesity treatment among adults.
Role: Dr. Arterburn was the Principal Investigator on this pilot and feasibility study funded by the Exploratory Center for Obesity Research

Grant #3: R206037001 (Arterburn) Dates: 5/15/2006 - 6/30/2007
Agency: Foundation for Informed Medical Decision Making Inc.
Title: *Worksite Wellness Reviews*
Major Goals: 1) Identify all English-language systematic reviews and controlled trials of worksite wellness programs that address smoking cessation, physical activity, diet, substance abuse, stress, hypertension, hyperlipidemia, and the primary prevention of cardiovascular disease, and cancer, 2) to assess the quality of the published evidence in this area, and 3) to summarize the evidence of effectiveness and cost-effectiveness of worksite wellness interventions.
Role: Principal Investigator

Grant #2: NA (Arterburn) Dates: July 2004 – June 2005
Source: Rehn Family Research Award, University of Cincinnati Department of Internal Medicine
Title: *Effect of Roux-en-Y Gastric Bypass Surgery on Cardiovascular Risk in Morbid Obesity*
Goals: 1) To examine the effect of Roux-en-Y gastric bypass (RYGB) surgery on levels of established

cardiovascular risk factors, including blood pressure, serum cholesterol, fasting blood sugar, and glycosylated hemoglobin, and on the severity of obstructive sleep apnea. 2) To examine the impact of RYGB on 10-year cardiovascular risk, as measured by the Framingham risk equation.

Role: Principal Investigator

Training Grants:

Grant #1: RCD 04-112-1 (Arterburn)

Dates: Oct 2004 – January 2006

Source: Department of Veterans Affairs

Title: *Understanding Preferences and Costs of Care for Veterans with Obesity*

Goals: This VA Career Development Award involved a 1) systematic review the efficacy and safety of bariatric surgery for weight loss, 2) an analysis of utilities for current body weight among adults with obesity, and 3) and evaluation of the relationship between body weight and health services use and health care costs

Role: Principal Investigator

Publications

Link to all publications on PubMed: <https://www.ncbi.nlm.nih.gov/pubmed/?term=arterburn+d>

Link to all citations: <https://scholar.google.com/citations?user=j1MrmFUAAA&hl=en>

Peer-Reviewed Publications

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4. **Arterburn D**, McDonnell MB, Hedrick SC, Diehr P, Fihn SD. Association of body weight with perceived health and severity of symptoms from chronic conditions. *American Journal of Medicine*, 2004; 117(10): 738-746.
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cumulative geographic residuals. *Biometrics* 2009 Biometrics. 2009 Sep 14. [Epub ahead of print].

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- the BMI-mortality relationship using fractional polynomials. *BMC Medical Research Methodology*. 2011 Dec 28;11(1):175.
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89. Inge TH, Coley RY, Bazzano LA, Xanthakos SA, McTigue K, **Arterburn D**, Williams N, Wellman R, Coleman KJ, Courcoulas A, Desai NK, Anau J, Pardee R, Toh S, Janning C, Cook A, Sturtevant J, Horgan C, Zebrick AJ, Michalsky M; PCORnet Bariatric Study Collaborative. Comparative effectiveness of bariatric procedures among adolescents: the PCORnet bariatric study. *Surg Obes Relat Dis*. 2018 Sep;14(9):1374-1386.
90. McMullen C, Bulkley J, Corley DA, Madrid S, Davis AQ, Hesselbrock R, Kurtilla F, Anderson CK, **Arterburn D**, Somkin CP, Pawloski PA, Ghai NR, Feigelson HS. Health Care Improvement and Survivorship Priorities of Colorectal Cancer Survivors: Findings from the PORTAL Colorectal Cancer Cohort Survey. *Journal of Supportive Care in Cancer*. 2019 Jan;27(1):147-156.
91. Littman AJ, Haselkorn J, **Arterburn D**, Boyko E. Pilot randomized trial of a telephone-delivered physical activity and weight management intervention for individuals with lower extremity amputation. *Disability and Health Journal*. 2018 Aug 10 [Epub ahead of print]
92. Maciejewski ML, **Arterburn DE**, Berkowitz TS, Wiedebacher WJ, Liu C, Olsen MK, Funk LM, Mitchell JE, Smith V. Geographic Variation in Obesity, Behavioral Treatment, and Bariatric Surgery for Veterans. *Obesity*. 2018 Nov 13 [Epub ahead of print]
93. Fisher DP, Johnson E, Haneuse S, **Arterburn D**, Coleman KJ, O'Connor PJ, O'Brien R, Bogart A, Theis MK, Anau J, Schroeder EB, Sidney S. Association between Bariatric Surgery and Macrovascular Disease Outcomes in Patients with Type 2 Diabetes and Severe Obesity. *JAMA*. 2018 Oct 16;320(15):1570-1582
94. O'Brien R, Johnson E, Haneuse S, Coleman KJ, O'Connor PJ, Fisher DP, Sidney S, Bogart A, Theis MK, Anau J, Schroeder EB, **Arterburn D**. Microvascular Outcomes in Patients With Diabetes After Bariatric Surgery Versus Usual Care: A Matched Cohort Study. *Ann Intern Med*. 2018 Sep 4;169(5):300-310.
95. **Arterburn D**, Wellman R, Emiliano A, Smith SR, Odegaard Ao, Murali S, Williams N, Coleman KJ, Courcoulas A, Coley Y, Anau J, Pardee R, Toh S, Janning C, Cook A, Sturtevant J, Horgan C, McTigue KM, for the PCORnet Bariatric Study Collaborative. Comparative Effectiveness of Bariatric Procedures for Weight Loss and Safety: A PCORnet Cohort Study. *Annals of Internal Medicine*. 2018 Dec 4;169(11):741-750.
96. Li X, Fireman BH, Curtis JR, **Arterburn DE**, Fisher DP, Moyneur E, Gallagher M, Raebel RA,

- Nowell, WB, Lagreid L, Toh S. Protecting Analytical Methods Using Only Aggregate-Level Information to Conduct Multivariable-Adjusted Analysis in Distributed Data Networks. *American Journal of Epidemiology*. 2019 Apr 1;188(4):709-723.
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 99. Haneuse S, VanderWeele TJ, **Arterburn D**. Using the E-Value to Assess the Potential Effect of Unmeasured Confounding in Observational Studies. *JAMA*. 2019 Feb 12;321(6):602-603.
 100. Callegari LS, Tartaglione EV, Magnusson SL, Nelson KM, **Arterburn DE**, Szarka J, Zephyrin L, Borrero S. Understanding Women Veterans' Family Planning Counseling Experiences and Preferences to Inform Patient-Centered Care. *Women's Health Issues*. 2019. 29(3); 283-289.
 101. Feigelson HS, Caan B, Weinmann S, Leonard AC, Powers JD, Yenumula PR, **Arterburn D**, Koebnick C, Altaye M, Schauer DP. Bariatric Surgery is Associated with Reduced Risk of Breast Cancer in Both Premenopausal and Postmenopausal Women. *Annals of Surgery* (in press 2019)
 102. Toh S, Wellman R, Coley RY, Horgan C, Sturtevant J, Moyneur E, Janning C, Pardee R, Coleman KJ, **Arterburn D**, McTigue K, Anau J, Cook AJ. Combining distributed regression and propensity scores: a doubly privacy-protecting analytic method for multicenter research. *Clin Epidemiol*. 2018 Nov 27;10:1773-1786.
 103. Li RA, Liu L, **Arterburn D**, Coleman KJ, Coucoulas AP, Fisher D, Haneuse S, Johnson E, Theis MK, Yoon TK, Fisher H, Fraser JR, Herrinton LJ. Five-year longitudinal cohort study of reinterventions after sleeve gastrectomy and Roux-en-Y gastric bypass. *Annals of Surgery*. June 7, 2019 (epub ahead of print).
 104. Lewis KH, **Arterburn DE**, Zhang F, Callaway K, Wallace J, Fernandez A, Ross-Degnan D, Wharam JF. Comparative Effectiveness of Vertical Sleeve Gastrectomy vs. Roux en Y Gastric Bypass for Diabetes Treatment: A Claims-Based Cohort Study. *Annals of Surgery*. June 12, 2019 (epub ahead of print)
 105. Saxon DR, Iwamoto SJ, Mettenbrink CJ, McCormick E, **Arterburn D**, Daley MF, Oshiro CE, Koebnick C, Horberg M, Young DR, Bessesen DH. Anti-Obesity Medication Use in 2.2 Million Adults Across 8 Large Healthcare Organizations: 2009-2015. *Obesity*. (in press 2019)

Invited Editorials, Manuscripts, Book Chapters, and Reports

1. Noël P, **Arterburn D**, Mulrow C. Obesity. In: Clinical evidence: a compendium of the best available evidence for effective health care (4th issue). London: BMJ Publishing Group and American College of Physicians-American Society of Internal Medicine; 2000.
2. **Arterburn D**, Noël P. Obesity. In: *Clinical evidence: a compendium of the best available evidence for effective health care* (5th & 6th issues; serial publication). London: BMJ Publishing Group and American College of Physicians-American Society of Internal Medicine; 2001.
3. **Arterburn, DE**. Sloma D. Access to critical health services, Phase II (2001-2003): A status report for the Washington State Board of Health. Approved, December 10, 2002. Available at: <http://www.doh.wa.gov/sboh/Pubs/pubs.htm>. (Last accessed: January 24, 2005)
4. **Arterburn D**, Noël P. Extracts from Clinical Evidence: Obesity. *British Medical Journal (BMJ)*. 2001; 322:1406-9.
5. **Arterburn D**. Obesity. In: *Clinical evidence: a compendium of the best available evidence for effective health care* (7th – 11th issues; serial publication). London: BMJ Publishing Group and American College of Physicians-American Society of Internal Medicine; 2002-2004.
6. **Arterburn D**. Obesity. *American Family Physician*. 2002; 66(7):1279-80.

7. Jain A, **Arterburn DE**, Nash B, Rader T, Hilton J. What works for obesity: A summary of research behind obesity interventions. London: BMJ Publishing Group; 30 April 2004.
8. **Arterburn DE**, DeLaet DE, Flum DR. Obesity. In: *Clinical evidence: a compendium of the best available evidence for effective health care* (12th issue; serial publication). London: BMJ Publishing Group and American College of Physicians-American Society of Internal Medicine; Jun 2005.
9. ***Arterburn D**. The BBC Diet Trials. *British Medical Journal (BMJ)*. 2006 Jun 3;332(7553):1284-5.
10. **Arterburn D**. Obesity in Children. *Clinical Evidence*. 2007;05:325; 1-8.
11. ***Arterburn D**. Bariatric Surgery. *British Medical Journal (BMJ)*. 2008 Jul 31;337:a755.
12. Simon G, **Arterburn D**. Does comorbid psychiatric disorder argue for or against surgical treatment of obesity? *General Hospital Psychiatry*. 2009 Sep-Oct;31(5):401-2. Epub 2009 Jul 3.
13. ***Arterburn DE**, O'Connor PJ. A look ahead at the future of diabetes prevention and treatment. *Journal of the American Medical Association (JAMA)*. 2012 Dec 19;308(23):2517-8.
14. **Arterburn D**, Maggard MA. Revisiting the 2011 FDA Decision on Laparoscopic Adjustable Gastric Banding. *Obesity*. 2013 Nov;21(11):2204. doi: 10.1002/oby.20476. Epub 2013 Jul 5.
15. *Maciejewski M, **Arterburn D**. Cost-effectiveness of Bariatric Surgery. *Journal of the American Medical Association (JAMA)*. 2013 Aug 21;310(7):742-3. doi: 10.1001/jama.2013.276131.
16. **Arterburn DE**, Fisher DP. The current state of the evidence for bariatric surgery. *Journal of the American Medical Association (JAMA)*. 2014 Sep 3;312(9):898-9.
17. **Arterburn D**, McCulloch D. Bariatric surgery for type 2 diabetes: Getting closer to the long-term goal. *Journal of the American Medical Association (JAMA)*. 2016 Mar 22-29;315(12):1276-7
18. **Arterburn D**, Gupta A. Comparing the outcomes of gastric sleeve resection and Roux-en-Y gastric bypass for severe obesity. *JAMA*. 2018 Jan 16;319(3):235-237.
19. Kyle T, **Arterburn D**. Using Medicine to Manage a Chronic Disease. *Obesity*. (in press 2019)

Published Abstracts and Letters

1. **Arterburn DE**. Damaging words: telling bad news and recognizing distress [clinical vignette]. *Journal of General Internal Medicine*, April 1999; 14(Supp. 2):166.
2. Lawrence VA, Richardson WS, Henderson M, Wathen P, Williams JW Jr., Mulrow CD (**Arterburn DE**: article review group member). The best evidence from ACP Journal Club for general internal medicine, 1999 [editorial]. *ACP Journal Club* 1999; 131:A13-6.
3. Crane PK, **Arterburn DE**. The coming epidemic of obesity in elderly Americans. *Journal of General Internal Medicine*, April 2002; 17(Supp. 1): 177.
4. **Arterburn DE**, Crane PK, Sullivan SD. The coming epidemic of obesity in elderly Americans. *Journal of General Internal Medicine*, April 2003; 18(Supp. 1): 140.
5. **Arterburn DE**, Crane PK, Veenstra DL. The Efficacy and Safety of Sibutramine for Weight Loss: A Systematic Review. *Journal of General Internal Medicine*, April 2003; 18(Supp. 1): 140.
6. **Arterburn DE**, McDonnell MB, Hedrick SC, Diehr P, Fihn SD. Association of body weight with perceived health and severity of symptoms from chronic conditions. *Journal of General Internal Medicine*, April 2004; 19(Supp. 1): 123.
7. **Arterburn DE**, Maciejewski ML, Tsevat J. The impact of morbid obesity on medical expenditures in adults. *Journal of General Internal Medicine*, April 2004; 19(Supp. 1): 226.
8. **Arterburn DE**, Maciejewski ML, Lawson L, Chen L, Tsevat J. The Impact of Obesity on Health Care Expenditures in Elderly Americans, *Journal of General Internal Medicine*, April 2005; 20(Supp. 1): 59.
9. **Arterburn DE**, Lawson L, Chen L, Tsevat J. Association of Body Weight with Preference-Based Quality of Life in U.S. Adults, *Journal of General Internal Medicine*, April 2005; 20(Supp. 1): 75.
10. Schauer D, Selwyn C, **Arterburn D**, Eckman M. Decisional Conflict in Morbidly Obese Patients Considering Bariatric Surgery. *Obesity*, 2006; 14(Sept Supplement): A152.
11. Benedict M, **Arterburn D**. Effectiveness of Worksite Weight-Loss Programs: A Systematic Review. *Obesity*, 2006; 14(Sept Supplement): A109.
12. **Arterburn D**, Benedict M, Maciejewski M. Web-based Weight Loss: Effectiveness of a Real World Application. *Obesity*, 2006; 14(Sept Supplement): A48.

13. Coleman K, Huang Y, Liu J, Xie B, **Arterburn D**, Beech B, Taveras E, Koebnick C. The Kaiser Permanente Southern California bariatric surgery family cohort. *Int J Behav Med*. 2012; 19(suppl. 1):S159.
14. Westbrook E, **Arterburn D**, Fuller S, Shea M, Kowalski K, Turnbull E.; Ps2-26: Using shared decision making to ensure equipoise in a randomized trial of bariatric surgery versus behavioral treatment for obesity and diabetes. *Clin Med Res*. 2012;10(3):185-6.
15. Theis K, Anau J, Westbrook E, **Arterburn D**. A Visual Method to Rapidly Facilitate Case Identification Among a Medically Complex Cohort; *Clin Med Res*. 2012;10(3).
16. **Arterburn DE**, Campos GM, Haneuse S, Sherwood NE, Bogart A, Sidney S, Coleman KJ, Theis MK, O'Connor P, Fisher D. The authors respond: a multisite study of long-term remission and relapse of type 2 diabetes mellitus following gastric bypass. *Obes Surg*. 2013 Sep;23(9):1456-7. doi: 10.1007/s11695-013-0960-9
17. Bayliss E, Powers JD, Donahoo WT, Toh D, Polsky S, Herrinton L, Butler M, Portz J, Williams R, Vijayadeva V, **Arterburn D**. A Multi-Site Comparison of Laparoscopic Gastric Band vs. Laparoscopic Gastric Bypass Bariatric Surgical Procedures. *Clin Med Res*. 2013 Sep;11(3):175.
18. **Arterburn D**, Courcoulas A. Authors' reply to Laurent. *BMJ*. 2014 Oct 14;349:g6190 PMID: 25315506
19. **Arterburn DE**, Eid G, Maciejewski ML. Long-term survival following bariatric surgery in the VA health system--reply. *JAMA*. 2015 Apr 14;313(14):1474-5.
20. **Arterburn D**, Gupta A. Surgical Procedures for Patients With Severe Obesity-Reply *JAMA*. 2018 May 22;319(20):2137.
21. **Arterburn D**. Microvascular Outcomes in Patients With Diabetes After Bariatric Surgery. *Ann Intern Med*. 2019 Apr 2;170(7):507-508.

Conference Presentations and Symposia

Invited Speaker: "Long-term results of bariatric surgery in patients with type 2 diabetes compared to medical treatment" International Federation for Surgery of Obesity and Metabolic Disorders Latin America Congress, Buenos Aires, Argentina, April 24, 2019.

Invited Speaker: "Effect of Metabolic Surgery on Microvascular and Macrovascular Complications of Diabetes and Long-term Survival" 4th World Congress on Interventional Therapy for Diabetes. New York, NY. April 8, 2019.

Invited Speaker: "The PCORnet Bariatric Study." PCORnet Research Forum, January 24, 2019

Invited Speaker: "The Kindest Cut: Is RYGB Still the Gold Standard?" Key Lecture, ObesityWeek 2018, Nashville, TN, November 13, 2018

Grand Rounds Speaker: "The PCORnet Bariatric Study: Preliminary Results from a Large PCORnet Demonstration Project," Grand Rounds: A Shared Forum of the NIH HCS Collaboratory and PCORnet, August 17, 2018

Invited Plenary Speaker: "Implementing Shared Decision Making to Improve Patient Satisfaction and Quality of Care," Washington Health Care Risk Management Society 34th Annual Conference, Seattle, WA, June 1, 2018

Oral Abstract Presentation: "Comparative Effectiveness of Bariatric Procedures Among 46,510 Adults in the PCORnet Bariatric Study," ObesityWeek 2017, Washington, DC, October 31, 2017

Invited Speaker: "Bariatric surgery and cancer risk reduction: Human studies," ObesityWeek 2017, Washington, DC, October 31, 2017

Keynote Speaker, “Investigating Long-term Bariatric Outcomes using Large Health Care Databases: Successes, Challenges, and Lessons Learned,” Michigan Bariatric Surgery Collaborative Meeting, Novi, Michigan, October 6, 2017

Invited Speaker, “Patient-Centered Outcomes After Bariatric Surgical Therapies”, Centers for Medicare & Medicaid Services (CMS) Medicare Evidence Development & Coverage Advisory Committee (MEDCAC) Meeting - Health Outcomes After Bariatric Surgical Therapies in the Medicare Population, August 30, 2017

Invited Speaker, “The Physician’s Role in Shared Decision Making.” Coverys Learning Collaborative on Shared Decision Making Education, Webinar, Seattle, WA, March 8, 2017

Symposium Presenter, “Has the era of big data arrived? EHRs and Population Health Research: Short- and Long-term Outcomes of Bariatric Surgery” ObesityWeek 2016, New Orleans, Louisiana, 11/4/16

Invited Plenary Speaker, Shared Decision Making and the Use of Patient Decision Aids in Integrated Care Settings, Bill Aston Quality Summit at Baylor Scott and White Health, Dallas, TX, 10/11/16

Invited Speaker, “PCORnet Obesity Demonstration Projects: The PCORnet Bariatric Project” with Neely Williams, MDiv, PCORI Annual Meeting, PCORnet Summit, October 8th, 2015, Crystal City, Virginia.

Invited Plenary Speaker, “Investigating Long-term Bariatric Outcomes using Large Health Care Databases” Inauguration of the CHUV’s Obesity Center, Fourth LIMNA Symposium, Tuesday 22nd September 2015, CHUV, César Roux Auditorium, Lausanne, Switzerland

Invited Speaker, “Implementing Shared Decision Making in Specialty Care Settings: Challenges and Solutions.” AHRQ National Webinar on Implementation of Shared Decision Making, July 15, 2015

Invited Speaker, “Moving from Decision Aids to Shared Decision Making” with Matthew Handley, MD. Washington State Health Care Authority Meeting: Shared Decision Making: Translating Research into Policy, Kent, WA, May 18, 2015

Invited Speaker, “How Group Health is Shaping the Future of Shared Decision Making in the United States.” Group Health Research Institute, Research Advisory Board Meeting, April 10, 2015

CME Presenter, “Shared Decision Making 101: Six Steps for Best Practices in Shared Decision Making” with Matt Handley, Quality vs. Quantity: A Rational Approach to Health Care in the Era of Health Care Reform, Waikoloa Beach Marriott Resort & Spa, Kohala Coast, Big Island, Hawaii, March 3, 2015

Invited Speaker, “Shared Decision Making at Group Health.” Washington Healthcare Forum, Seattle, WA, December 5, 2014

Invited Speaker, “A review of the long-term benefits and risks of bariatric surgery.” Group Health Research Institute T-32 Fellow’s Seminar Series, Seattle, WA, December 2, 2014

Invited Speaker, “Shared decision making with patient decision aids.” Spokane County Medical Society Meeting, Spokane, WA, September 26, 2014

Invited Speaker, “Shared decision making with patient decision aids.” Washington Healthcare Improvement Network conference, Bellingham, WA, March 19th, 2014

Invited Speaker, “Type 2 diabetes recurrence after metabolic surgery: Truth or myth?” 15th Brazilian Congress on Bariatric and Metabolic Surgery, Brasilia, Brazil, October 5nd, 2013

Invited Speaker, “Why should the state pay for bariatric surgery?” 15th Brazilian Congress on Bariatric and Metabolic Surgery. Brasilia, Brazil, October 2nd, 2013

Invited Speaker, “Success in Washington State: A Look at Group Health's Shared Decision Making Program” World Congress 3rd Annual Leadership Summit on Shared Decision Making, Boston, MA, Sept 19, 2013

Invited Speaker, “Implementing Patient Decision Aids to Support Shared Decision Making in Elective Surgery” University of Washington, Department of Anesthesia, Grand Rounds, Seattle, WA, Aug 28, 2013

**Co-Chair and Speaker*, “How can we leverage existing studies to address key questions in bariatric surgery.” National Institutes of Health, NIDDK/NHLBI, Conference on the Long-Term Outcomes of Bariatric Surgery, Bethesda, MD, May 23, 2013

**Co-Chair and Speaker*, “Quality of life; functional life status; health care use and costs, and productivity effects of bariatric surgery.” National Institutes of Health, NIDDK/NHLBI, Conference on the Long-Term Outcomes of Bariatric Surgery, Bethesda, MD, May 22, 2013

Invited Speaker, “Aligning Incentives for Patient Engagement: Enabling Widespread Implementation of Shared Decision Making” Informed Medical Decisions Foundation, Washington, DC, May 23-24, 2013

**Invited Speaker*, Institute of Medicine Workshop, “Partnering with Patients to Drive Shared Decisions, Better Value, and Care Improvement”, Institute of Medicine at the National Academy of Sciences, Washington, DC, February 25-26, 2013

Invited Speaker: Epidemiology of Bariatric Surgery in Obesity. The American Heart Association Conference. Los Angeles, CA. November 4, 2012.

Invited Speaker: Group Health’s Shared Decision Making Experience. Kaiser Permanente Shared Decision Making Summit. Oakland, CA. September 25, 2012.

Invited Speaker: Implementing Patient Decision Aids to Optimize Shared Decision Making: The Group Health Experience. Providence Portland Medical Center Grand Rounds. Portland, OR, May 9, 2012.

Invited Speaker: Government legislation as a strategy to improve uptake of decision support interventions: The Washington State Experience. Canadian Institute for Health Research meeting on Treatment Decisions in Oncology. Toronto, ON, Canada. April 27, 2012

**Invited Speaker*: The HMO Research Network: a national resource for comparative effectiveness and epidemiological research in the area of obesity. The National Institutes of Health, Obesity Research Task Force Meeting, Bethesda, MD, January 19, 2012

Invited Speaker: Implementing Patient Decision Aids to Optimize Shared Decision Making: The Group Health Experience. NYU Second Annual Innovations in Healthcare Symposium, New York, NY, December 12, 2011

Invited Speaker: An Update on Shared Decision-Making. A Meeting of the Reforming States Group Steering Committee, Sponsored by the Milbank Memorial Fund, Seattle, Washington, August 29–31, 2011

Invited Speaker: AHRQ Shared Decision Making as a Consumer-focused Value Strategy: Key Lessons from Early CVE Implementers. Webinar, June 1, 2011

Invited Speaker: Implementing Patient Decision Aids to Optimize Shared Decision Making: The Group Health Experience. Annual Spring CME Weekend, Stevenson, Washington, April 7-9, 2011.

Invited Speaker: Lessons Learned from Washington State; Foundation for Informed Medical Decision Making, Research and Policy Forum 2010; January 28, 2010

Organizer and Presenter, Shared Decision Making Implementation Continuing Medical Education Conference; Group Health Cooperative, October 9, 2009

Poster Presenter: Randomized Trial of Two Patient Decision Aids for Bariatric Surgery. The Obesity Society's 2009 Annual Scientific Meeting, Washington DC.

Invited Speaker: From Evidence to Accountability in Obesity Practice, The Obesity Society 2007 Annual Meeting, Symposium: Addressing Quality in Obesity Care, New Orleans, LA, 24 October 2007

**Invited Speaker:* The Evidence-base for Obesity Interventions. National Committee on Quality Assurance Obesity Measurement Advisory Panel, Washington, DC, November 30, 2006

Oral Presentation: Web-based Weight Loss: Effectiveness of a Real World Application. The Obesity Society Annual Scientific Meeting, Boston, MA, October 24, 2006

Invited Speaker: Clinical Workshop: Use of Pharmacologic Agents for the Treatment of Obesity—Selecting the Right Drug for the Right Patient. The Obesity Society Annual Scientific Meeting, Boston, MA, October 21, 2006

Plenary Presenter, Joint Meeting of the Society for Medical Decision Making and the International Society for Quality of Life Research, Preference-Based Quality of Life in U.S. Adults: Association with Body Weight, San Francisco, CA, 22 October 2005

Oral Presentation: Association of Body Weight with Preference-Based Quality of Life in U.S. Adults Milton W. Hamolsky Junior Faculty Award Finalist Presentation, Society of General Internal Medicine 28th Annual Meeting, New Orleans, LA, 12 May 2005

Poster Presentation, The Impact of Obesity on Health Care Expenditures in Elderly Americans Society of General Internal Medicine 28th Annual Meeting, New Orleans, LA, 12 May 2005

Plenary Presenter, Central Society for Clinical Research/Midwestern Section American Federation for Medical Research Combined Annual Meeting, The Impact of Obesity on Health Care Expenditures and Quality of Life, Chicago, IL, 15 April 2005

Oral Presentation: Obesity Health Services Research University of Cincinnati Obesity Research Collaboration Workshop Presentation, Cincinnati, OH, 6 August 2004

Oral Presentation: The Economic Impact of Morbid Obesity in Adults; Milton W. Hamolsky Junior Faculty Award Finalist Presentation, Society of General Internal Medicine 27th Annual Meeting, Chicago, IL, 13 May 2004

Poster Presentation: Association of Body Weight with Perceived Health and Severity of Symptoms from Chronic Conditions; Society of General Internal Medicine 27th Annual Meeting, Chicago, IL, 15 May 2004

Oral Presentation: Association of Body Weight with Disease-Specific Quality of Life
Veterans Affairs Health Services Research and Development National Meeting, Washington, DC, 10
March 2004

Poster Presentation: The Efficacy and Safety of Sibutramine for Weight Loss: A Systematic Review
Society of General Internal Medicine 26th Annual Meeting, Vancouver, British Columbia, 2 May 2003

Poster Presentation: The Coming Epidemic of Obesity in Elderly Americans, Society of General Internal
Medicine 26th Annual Meeting; Vancouver, British Columbia, 3 May 2003

Teaching History

Veterans Affairs Internal Medicine Ward Attending
Cincinnati Veterans Affairs Medical Center, Cincinnati, Ohio
June 2004 & April 2005

General Internal Medicine Clinic Attending
Hoxworth Internal Medicine Resident Clinic, University of Cincinnati, Cincinnati, Ohio
July 2003 – October 2004

Veterans Affairs Internal Medicine Clinic Attending
Audie L. Murphy Memorial Veterans Hospital, San Antonio, Texas
July 2000 – June 2001

Veterans Affairs General Medicine Ward Attending
Audie L. Murphy Memorial Veterans Hospital, San Antonio, Texas
November 2000

Hospitalist/Medicine Ward Attending
The University of Texas Health Science Center at San Antonio, Texas
July 2000

Chief Resident/Instructor
The University of Texas Health Science Center at San Antonio and Audie L. Murphy Memorial Veterans
Hospital, San Antonio, Texas, July 2000 – June 2001

Preceptor, Advanced Clinical Evaluation Skills, 2nd-year medical students
The University of Texas Health Science Center at San Antonio, Texas
Fall 1998 – June 2001

Student Preceptor, MD 811 Physical Exam and Diagnosis
University of Kentucky College of Medicine; Preceptor: Steven Haist, MD, MS
Fall 1996 – Spring 1997

Advising and Formal Mentoring

**resulted in published manuscripts*

†resulted in career development grant funding

‡resulted in graduate degree

***resulted in NIH R01 grant funding*

*Mike Benedict, MD, MS – UC General Medicine Fellow Project; primary mentor; 2005 – 2007

*Alicia Ruelaz, MD, MPH – RWJ Fellow Project; co-mentor; 2005 – 2007

*Bill Weppner, MD, MPH – UW NRSA Fellow Project; co-mentor; 2007 – 2009

*Janice Bell, PhD – UW Postdoctoral Project; co-mentor; 2007 – 2010

*Mollie Greves Grow, MD, MPH – UW NRSA Fellow Project; co-mentor; 2007 – 2010

**^{*}Daniel Schauer, MD, MS – NIH K23 Career Development Award; co-mentor; 2007 – 2012

Yvonne Lin, PhD – UW Master's Thesis Committee; member; 2008 – 2010

^{*}Alyson Littman, PhD – VA RCD Career Development Award; co-mentor; 2009 – 2014

[#]Hajar Kadivar, MD, MPH – UW NRSA Fellow Project; MPH Thesis; primary mentor; thesis committee member; 2010 – 2011

[#]Rafael Alfonso, MD, MS – PhD Doctoral Supervisory Committee; member; 2010 – 2013

*Edwin Wong, PhD – VA HSR&D Fellowship Project, primary mentor, 2011-2012

*Kristina Lewis, MD, MPH – GIM fellow; Harvard Medical School; co-mentor; 2011 – 2013; Assistant Professor, Wake Forest University; 2016

*Jason Deen, MD – Fellow, Pediatric Cardiology, Seattle Children's Hospital, Fellowship project, co-mentor, 2012-2014

^{*}[#]Andrew Terrell, BA – Summer Internship, Whitman College, Research Project, primary mentor; 2012-2013; Andrew accepted into WSU medical school in 2018

[#]Kelsey Pullar – MPH Student, UW Thesis Project; co-mentor; thesis committee member; 2014 – 2015

^{*}Dori Rosenberg, PhD – GHRI Assistant Investigator; NIH K award, Co-mentor; GH Development Fund, Primary Mentor; 2011 – present

^{*}Lisa Callegari, MD – VA HSR&D Fellow, Career Development Award, co-mentor; 2013 – present

[#]David Kim, MS, PhD – PhD Candidate, Health Services, University of Washington; Assistant Professor, Tufts Medical Center; dissertation committee member and co-mentor, 2014 – 2017

Pedja Klasnja, PhD – GHRI Assistant Investigator; mentor and Co-I on GHF Partnership for Innovation project; 2016-present

Lorella Palazzo, PhD – GHRI Research Associate; primary mentor; 2016-present

Kai Yeung, Pharm D, PhD – GHRI Assistant Investigator; co-mentor; 2016-present

*Josh Zane – UW Pre-Med Student, primary mentor, 2016-2017

^{*}Steve Mooney, PhD – UW Epidemiology Post-Doc; co-mentor; NLM K award, 2017-present

David Carrell, PhD – KPWHRI Assistant Investigator; faculty orientation mentor, 2017

Aruna Kamineni, PhD – KPWHRI Assistant Investigator; faculty orientation mentor, 2018

Laura Harrington, PhD – KPWHRI Assistant Investigator; project mentor, 2019

Other Clinical Practice Experience

Consultative Internal Medicine, Locum Tenens Provider
Group Health Permanente, Seattle, Washington
February 2002 – June 2003

Conflicts of Interest Disclosure:

Bariatric Surgery: I have received institutional research grants related to bariatric surgery from the National Institutes of Health, the Patient-Centered Outcomes Research Institute, the Department of Veterans Affairs, the Agency for Healthcare Research and Quality, the Department of Defense, the Group Health Foundation, and the Informed Medical Decisions Foundation (now a division of Healthwise). I have received payments for travel expenses related to speaking/presentations on bariatric surgery research from the National Institutes of Health, the Patient-Centered Outcomes Research Institute, the Department of Veterans Affairs, Informed Medical Decisions Foundation (now a division of Healthwise), the American Heart Association (2012), the Brazilian Society for Metabolic and Bariatric Surgery (2013), the Lausanne Integrative Metabolism and Nutrition Alliance (2015), the Michigan Bariatric Surgery Collaborative (2017), the World Congress for Interventional Therapy for Diabetes (2019), and the IFSO Latin American Chapter (2019). I received a speaking honorarium of \$1500 from the Michigan Bariatric Surgery Collaborative (2017). I received payment as a consultant on a NIDDK grant related to bariatric surgery with Dr. Kristina Lewis as PI (2017-2022).

Obesity Research (outside of bariatric surgery): I have received institutional research grants related to obesity research from the National Institutes of Health, the Group Health Foundation, and the Informed Medical Decisions Foundation (now a division of Healthwise). I have received payments for travel expenses related to speaking/presentations on obesity research from the National Institutes of Health, the Department of Veterans Affairs, the Informed Medical Decisions Foundation (now a division of Healthwise). In 2014, I briefly served as a paid consultant (one face-to-face meeting in Minneapolis, MN) on a clinical advisory board during the development of the *Real Appeal* behavioral weight loss program, which was being developed by the United Health Group.

Shared Decision Making: I have received institutional research grants related to shared decision making from the National Institutes of Health, the Commonwealth Fund, the Group Health Foundation, and the Informed Medical Decisions Foundation (now a division of Healthwise). I have received payments for travel expenses related to speaking, presentations, and meetings on shared decision making from the Institute of Medicine, the Commonwealth Fund, the Informed Medical Decisions Foundation (now a division of Healthwise), The Dartmouth Institute (2010), the Oregon Academy of Family Physicians (2011), New York University (2011), Providence Health System of Portland (2012), The Everett Clinic (2013), the Washington Healthcare Improvement Network (2014), the Spokane County Medical Society (2014), and Baylor Scott and White Health (2016). I have received personal payments ≤ \$1000 from the Agency for Healthcare Research and Quality, the Spokane County Medical Society (2014), and Physicians Insurance (2015) for developing/teaching Continuing Medical Education (CME) programs on shared decision making. I received \$2,400 consulting payment from Healthwise as a medical editor and I received a \$10,000 honorarium from the Baylor Scott & White Health, Office of the Chief Quality Officer for presenting on SDM at the Bill Aston Quality Improvement Summit in Dallas, TX (2016). I received payment as a consultant on a NIH grant related to shared decision making with female sterilization procedures with Sonya Borrero as PI (2019-2023).