

EPIDEMIOLOGY, CURRENT RESEARCH GRANTS AND CONTRACTS, DEPARTMENT OF
12/28/2013

NIDDK	Hepatitis B Clinical Research
Network - Data Coordinating Center	
U01 DK082864-06	09/30/2008 t 05/31/2015
\$8,013,431.00	
	06/01/2013 t 05/31/2014
\$1,302,909.00	

PRINCIPAL INVESTIGATOR: STEVEN H. BELLE, PH.D.
This is the Data Coordinating Center for the Hepatitis B Clinical Research Network. The network establishes a database of all patients with hepatitis B followed at ten clinical centers. The Data Coordinating Center supports all aspects of study design and conduct as well as all data analysis of the database and further clinical trials.

NIDDK	Continuation of the Longitudinal
Assessment of Bariatric Surgery	
U01 DK066557-10	08/01/2009 t 06/30/2014
\$6,858,306.00	
	07/01/2013 t 06/30/2014
\$839,658.00	

PRINCIPAL INVESTIGATOR: STEVEN H. BELLE, PH.D.
This renewal of the Data Coordinating Center (DCC) for the Longitudinal Assessment of Bariatric Surgery (LABS) will continue to support a multi-center consortium that was created to facilitate coordinated clinical, epidemiological and behavioral research in bariatric surgery. The DCC developed the core database and provides logistical and scientific support in all aspects of study design, conduct, analysis, and administration. A supplement funds additional central laboratory procedures and activity monitors. Another supplement funds site data reabstraction and reverification.

NICHD	Vitamin D: A Link to Racial
Disparities in Birth Outcomes	
R01 HD056999-05	09/30/2008 t 07/31/2014
\$2,003,759.00	
	08/01/2012 t 07/31/2014
\$388,151.00	

PRINCIPAL INVESTIGATOR: LISA M. BODNAR, PH.D.
The goal of this reproductive epidemiologic study is to elucidate the interplay between maternal vitamin D status,

inflammation, and polymorphisms in genes involved in vitamin D metabolism on the risk of spontaneous preterm birth and preeclampsia. The study hypotheses predict that vitamin D deficiency contributes to the racial disparity in these two adverse pregnancy outcomes associated with significant perinatal morbidity.

RAND Corp	Does a New Supermarket Improve
Dietary Behaviors?	
9920110054	07/01/2010 t 03/31/2015
\$51,453.00	
	04/01/2012 t 03/31/2013
\$5,461.00	

PRINCIPAL INVESTIGATOR: LISA M. BODNAR, PH.D.
This is a subcontract for participation in grant R01 CA149105 designed to investigate if the placement of a full-service grocery store in a predominantly African-American low-income urban neighborhood results in improved food purchasing behaviors and diet, and if this effect can be modified by socio-demographic, cultural and geographic factors.

Thrasher Res Fun	Maternal Obesity, Weight Gain, and
the Black-Weight Disparity	
	09/01/2011 t 08/31/2014
\$322,267.00	
	09/01/2012 t 08/31/2014
\$160,090.00	

PRINCIPAL INVESTIGATOR: LISA M. BODNAR, PH.D.
This project explores separately for black and white obese women total gestational weight gain and the black-white disparity in adverse pregnancy and infant outcomes.

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NICHD Maternal Obesity, Weight Gain, and
the Black-White Disparity
R21 HD067851-02 09/24/2011 t 08/31/2014
\$314,226.00
09/01/2012 t 08/31/2014
\$135,030.00

PRINCIPAL INVESTIGATOR: LISA M. BODNAR, PH.D.
This is a case-cohort study of singleton deliveries at Magee-
Womens Hospital to determine the contribution of prepregnancy
body mass index and weight gain during pregnancy to the risk of
stillbirth and investigate the reasons for the disparity in
stillbirth incidence rates between white and black women.

CDC Maternal Vitamin D Status and
Preterm Birth
U01 DP003177-03 09/30/2011 t 09/29/2014
\$903,310.00
09/30/2013 t 09/29/2014
\$301,018.00

PRINCIPAL INVESTIGATOR: LISA M. BODNAR, PH.D.
This is a nested case-control study using existing banked
maternal serum samples and data from a cohort of white and
black women who received prenatal screening and delivered
singleton, live births with no fetal anomalies at
Magee-Womens Hospital to determine the association between
maternal vitamin D status and the risk of preterm birth, the
contribution of vitamin D status to the racial disparity in
preterm birth, and the effect of maternal genetic variation in the
vitamin D receptor gene on maternal vitamin D status and on the
risk of preterm birth.

NINR Informing Maternal Weight Gain
Guidelines for Twin Pregnancies
R01 NR014245-01 08/01/2013 t 06/30/2017
\$1,362,329.00
08/01/2013 t 06/30/2014
\$367,090.00

PRINCIPAL INVESTIGATOR: LISA M. BODNAR, PH.D.
This study will inform evidence-based gestational weight gain
guidelines for twin gestations by evaluating the total amount
and pattern of weight gain in twin pregnancies that is
associated with optimal health outcomes for mothers and their

children.

NIA	Study of Women's Health Across the
Nation - Coordinating Center	
U01 AG012553-19	06/01/2009 t 04/30/2014
\$8,914,419.00	
	07/01/2013 t 04/30/2014
\$1,266,943.00	

PRINCIPAL INVESTIGATOR: MARIA M. BROOKS, PH.D.

This is the Coordinating Center for the Study of Women's Health Across the Nation, a study of aging in women. The primary objectives of the renewal of the multicenter longitudinal study are to characterize the endocrinology of the post-menopause, ascertain additional health outcomes and understand the relationships between the mid-life and the menopausal transition experience of women and subsequent positive and negative health outcomes. A supplement funds the systematic coding of medication data, both retrospectively and prospectively. A second supplement funds additional statistical staff for analysis of hormonal data. A third supplement funds arterial pulse wave velocity, a measure of vascular aging.

Brigham & Womens	Impact of Glycemic Control on
Markers in Type 2 Diabetes	
	08/30/2013 t 08/29/2014
\$30,114.00	
	08/30/2013 t 08/29/2014
\$30,114.00	

PRINCIPAL INVESTIGATOR: MARIA M. BROOKS, PH.D.

This is a subcontract for participation in an ancillary study to BARI 2D for data management and statistical analyses to investigate the effect of elevated levels of cardiac troponin at baseline on risk of adverse cardiovascular events.

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NHLBI	Treatment & Risk Factor Determinants
of Cardiovascular Outcomes	
R21 HL121495-01	09/19/2013 t 07/31/2015
\$146,400.00	
	09/19/2013 t 07/31/2014
\$71,400.00	

PRINCIPAL INVESTIGATOR: MARIA M. BROOKS, PH.D.
 This project is for analysis of data that was collected for BARI 2D, a clinical trial designed to evaluate treatment strategies for patients with type 2 diabetes and established coronary disease. The goal of this study is to determine the risk of major cardiovascular events for patients with type 2 diabetes and coronary artery disease based on their multifactorial risk factor profile, including HbA1c, severity of coronary disease, fibrinolysis, inflammation, thrombosis and atherosclerosis biomarkers, and treatments over the course of five years of followup.

FirstMark, Inc.	Biomarkers and Risk of Myocardial
Infarction and Death	
	11/15/2013 t 12/31/2014
\$61,349.00	
	11/15/2013 t 06/30/2014
\$31,633.00	

PRINCIPAL INVESTIGATOR: MARIA M. BROOKS, PH.D.
 This is a subcontract for participation in an ancillary study to BARI 2D for data management and statistical analyses to validate if abnormalities in specific biomarkers predict very high risk of myocardial infarction and death.

B&M Gates Fnd	Evaluation of Candidate Vaccine
Technologies Using Comp Models	
49276	04/01/2008 t 10/31/2014
\$11,555,409.00	
	04/01/2011 t 10/31/2014
\$4,616,157.00	

PRINCIPAL INVESTIGATOR: DONALD S. BURKE, M.D.
 The purpose of this grant is to improve decision-making in the selection of new vaccine technologies and epidemic control strategies through development of computational models and simulations, so as to spare children from preventable infectious diseases in poor countries world-wide.

NIA Transition R01 AG026463-05 \$1,755,183.00 \$265,659.00	Hip Strength Across the Menopausal 06/01/2007 t 05/31/2014 06/01/2011 t 05/31/2014
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PRINCIPAL INVESTIGATOR: JANE A. CAULEY, DR.P.H.
 This is an ancillary study to the Study of Women's Health
 Across the Nation (SWAN), a multi-center, multi-ethnic longitudinal
 study designed to characterize the biological and psychosocial
 changes that occur during the menopausal transition. Using
 archived hip DXA scans and data collected annually from the
 SWAN cohort, the study will analyze measures of hip
 geometry and strength.

Cal Pac Med Ctr Men - Pgh Subcontract 2803209-S107 \$843,382.00 \$117,752.00	Outcomes of Sleep Disorders in Older 05/01/2009 t 04/30/2014 05/01/2013 t 04/30/2014
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PRINCIPAL INVESTIGATOR: JANE A. CAULEY, DR.P.H.
 This subcontract is for continuing participation as a
 subcontractor in an ancillary study to the Osteoporotic Fractures in Men
 Study (MROS) investigating the consequences of sleep disorders
 in older men, including possible effects on risk for
 cardiovascular disease, mortality, physical and cognitive
 decline and risk for osteoporosis and fractures.

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Penn 556786 \$1,667,669.00 \$372,140.00	Testosterone Trial 05/15/2009 t 04/30/2015 05/01/2012 t 04/30/2013
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PRINCIPAL INVESTIGATOR: JANE A. CAULEY, DR.P.H.
 This is a subcontract for participation in cooperative agreement AG030644 as a site recruiting, screening and conducting a closely coordinated set of five randomized, placebo-controlled clinical trials to test the hypotheses that testosterone treatment for one year of men over 65 years who have low serum testosterone concentrations and both symptoms and objective evidence of mobility disability, age-associated memory impairment, low vitality, diminished sexual function, and anemia will show more favorable changes in these parameters than placebo treatment.

Boston Univ An Epidemiologic Study 4500001137 \$70,257.00 \$35,218.00	Health Decline in Aged Caregivers: 09/01/2011 t 06/30/2015 09/01/2011 t 06/30/2013
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PRINCIPAL INVESTIGATOR: JANE A. CAULEY, DR.P.H.
 This is the second renewal of a subcontract for participation in an ancillary study to the Study of Osteoporotic Fractures (SOF) comparing change in physical health between caregivers and non-caregivers and comparing the effects of factors directly and indirectly associated with caregiving on change in physical health.

NIA (SOF) - Pittsburgh Clinic R01 AG027576-29 \$1,036,578.00 \$186,007.00	Study of Osteoporotic Fractures 09/01/2011 t 05/31/2016 09/01/2013 t 05/31/2014
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PRINCIPAL INVESTIGATOR: JANE A. CAULEY, DR.P.H.
 This project will continue the prospective Study of Osteoporotic Fractures (SOF) and link the comprehensive SOF database with Medicare claims data to determine if age-related trajectories in cognitive function, physical performance, bone mineral

density, body weight, and positive affect predict phenotypes of optimal aging defined by longevity, active lifespan, exceptional health span, and rates of inpatient and residential health care utilization.

Cal Pac Med Ctr	Changes in Sleep and Cognition in
Older Women	
2803232-S152	09/30/2012 t 06/30/2016
\$57,696.00	
	08/15/2013 t 06/30/2014
\$24,403.00	

PRINCIPAL INVESTIGATOR: JANE A. CAULEY, DR.P.H.

This is an ancillary study to the Study of Osteoporotic Fractures (SOF) for participation in data analysis for a project focusing on the longitudinal relationships of sleep and cognitive function in older women.

NIA	Osteoporotic Fractures in Men
(Mr.OS)	
U01 AG042139-14	08/01/2013 t 07/31/2018
\$2,280,239.00	
	08/01/2013 t 07/31/2014
\$503,745.00	

PRINCIPAL INVESTIGATOR: JANE A. CAULEY, DR.P.H.

This is the second renewal of a study to quantify the determinants of fracture in elderly men. The primary goals of this next phase of MrOS are to identify the determinants and characteristics of musculoskeletal aging trajectories; identify men at increased risk of adverse outcomes; improve understanding of optimal aging; and discover new targets for preventing fractures, declines in activity, disability, increases in health care utilization and placement in long-term care.

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AHA Subclinical Atherosclerosis 12CRP11900031 \$109,327.00 \$54,710.00	Ectopic Cardiovascular Fat and 07/01/2012 t 06/30/2014 07/01/2013 t 06/30/2014
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PRINCIPAL INVESTIGATOR: SAMAR R. ELKHOUDARY,
 PH.D.

The goal of this study is to determine if ectopic cardiovascular fat varies by menopausal status and evaluates associations between ectopic cardiovascular fat, endogenous sex hormones, and subclinical atherosclerosis in women at various stages of the menopausal transition to further the understanding of how changes within the menopausal transition may play a key role in the development of coronary heart disease in postmenopausal women as an ancillary study to the Study of Women Across the Nation (SWAN).

CDC Effects on Violence Patterns U01 CE001630-05 \$684,244.00 \$143,530.00	Community Economic Development: 09/01/2009 t 08/31/2014 09/01/2013 t 08/31/2014
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PRINCIPAL INVESTIGATOR: ANTHONY FABIO, PH.D.

The goal of this project is to assess the effects on community violence of two large scale economic interventions in two historically disadvantaged minority neighborhoods in Pittsburgh including a casino in the North Side and a sports/entertainment arena in the Hill District.

NIAID Inflammatory Disease R01 AI073940-05 \$2,048,530.00 \$257,921.00	Novel Bacterial Pathogens in Pelvic 04/15/2008 t 03/31/2014 04/01/2012 t 03/31/2014
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PRINCIPAL INVESTIGATOR: CATHERINE L. HAGGERTY,
 PH.D.

This study investigates the role of novel pathogens in pelvic inflammatory disease in order to optimize diagnosis and

treatment and prevent reproductive morbidity. Stored specimens are analyzed to examine infertility, chronic pelvic pain and recurrent pelvic inflammatory disease in patients treated with currently recommended anti-microbial regimens.

NIDDK	Diabetes Prevention Translation
Project: the Healty LIFESTYLE	
R18 DK081323-04	03/01/2010 t 02/28/2014
\$1,769,026.00	
	03/01/2013 t 02/28/2014
\$386,346.00	

PRINCIPAL INVESTIGATOR: ANDREA M. KRISKA, PH.D.

This purpose of this project is to test a framework for the translation of the Diabetes Prevention Program that includes a training model for community health care professionals, and evaluation and cost-effectiveness analyses of the intervention program in each of three community settings including a health care practice, a worksite, and local community centers.

U of Washington	CHS Events Followup Renewal
R01 HL080295-08	06/01/2009 t 11/30/2014
\$630,880.00	
	12/01/2012 t 11/30/2013
\$106,692.00	

PRINCIPAL INVESTIGATOR: LEWIS H. KULLER, M.D., DR.P.H.

This is the renewal of a subcontract for participation in cooperative agreement U01 HL080295 designed to continue events follow-up for the Cardiovascular Health Study an NHBLI-funded cohort study of risk factors for coronary heart disease and stroke in adults 65 years or older.

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St. Jude Medical Artificial Valve Endocarditis
Reduction Trial (AVERT)
04/20/1010 t 04/19/2015
\$1,605,070.00
04/20/2013 t 04/19/2014
\$330,356.00

PRINCIPAL INVESTIGATOR: SHARON M. LAWLOR, MBA
The purpose of this contract amendment is continue to serve as
the Data Coordinating Center providing all data management
and data monitoring services for the Artificial Valve
Endocarditis Reduction Trial (AVERT), a randomized trial of 4,400
patients requiring isolated or aortic valve replacement.

Aetna Fnd Neighborhood Environment and Racial
Disparities in Preterm Birth
11-02359 01/01/2013 t 12/31/2014
\$86,957.00
01/01/2014 t 12/31/2014
\$44,115.00

PRINCIPAL INVESTIGATOR: DARA D. MENDEZ, PH.D.
The overall goal of this study is to understand how the
neighborhood environment contributes to racial disparities in
maternal obesity, gestational weight gain, and adverse birth
outcomes.

NIDDK Ectopic Adiposity in Black Men with
High Type 2 Diabetes Risk
R01 DK097084-01 09/19/2013 t 07/31/2017
\$1,384,342.00
09/19/2013 t 07/31/2014
\$365,069.00

PRINCIPAL INVESTIGATOR: IVA MILJKOVIC, M.D.,
PH.D.
The main objective of this study is to use archived CT scan
image files from over 1,500 black men in the Tobago Health
Study to analyze changes in lower leg skeletal muscle adiposity
over time and to obtain new CT measures of visceral, liver,
pericardial and abdominal muscle adiposity in the entire Tobago
Health Study cohort.

Elderly	MMRF	Aspirin in Reducing Events in the	
\$230,608.00	U01AG029824		09/15/2009 t 01/31/2017
\$10,545.00			02/01/2013 t 01/31/2014

PRINCIPAL INVESTIGATOR: ANNE B. NEWMAN, M.D.,
M.P.H.

This project is for participation as a subcontractor in a randomized double-blind placebo-controlled trial of aspirin in primary prevention in healthy people aged 70 years and over to determine whether the potential benefits of low dose aspirin to extend the duration of disability-free life in an aging population will outweigh the risks of severe bleeding in this age group.

	Univ of Florida	The LIFE Study	
\$3,661,753.00	UF13060		09/30/2009 t 11/30/2015
\$740,937.00			12/01/2012 t 11/30/2013

PRINCIPAL INVESTIGATOR: ANNE B. NEWMAN, M.D.,
M.P.H.

This is a subcontract for participation as a field center in a randomized, controlled trial with the primary aim to assess the long-term relative effect of a physical activity intervention in sedentary older persons who are at risk of disability.

	CDC	Health Promotion and Disease	
\$2,720,984.00	Prevention Research Center		03/01/2010 t 02/28/2015
\$297,214.00	U48 DP001918-04		03/01/2013 t 02/28/2014

PRINCIPAL INVESTIGATOR: ANNE B. NEWMAN, M.D.,
M.P.H.

This second renewal will continue and enhance the Center for Healthy Aging focusing on promoting healthy aging within communities and establishing a new core research program to improve mobility and preventive service use in older adults at risk for arthritis disability. A Special Interest Project Competitive Supplement funds a three-year multicenter case-control study to assess the causes of tubal factor infertility and to determine race differences for infertility and on utilization of assisted reproductive technologies.

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NIA Multicenter Study on Exceptional
Survival in Families
U01 AG023744-08S 09/30/2010 t 08/31/2014
\$1,444,344.00
09/30/2013 t 08/31/2014
\$118,635.00

PRINCIPAL INVESTIGATOR: ANNE B. NEWMAN, M.D.,
M.P.H.

This is bridge funding for the renewal of an investigation of the exceptional survival of families in the Long Life Family Study (LLFS) cohort to examine the genetic influences associated with exceptional longevity and healthy aging.

NIA Exceptional Survival: Trajectories
to Functional Aging (CHS)
R01 AG023629-07 09/01/2011 t 05/31/2016
\$4,190,086.00
09/01/2013 t 05/31/2014
\$796,656.00

PRINCIPAL INVESTIGATOR: ANNE B. NEWMAN, M.D.,
M.P.H.

This is the renewal of a study investigating functional aging, or disability-free survival by examining long-term survivors of the Cardiovascular Health Study to determine the likelihood of maintaining function, identify the trajectories that distinguish those destined to do well, and define the importance, independence and interactions of physiologic predictors of function.

UCSF Dynamics of Health, Aging, and Body
Composition Research Study
HHSN271201200008 08/15/2012 t 02/28/2015
\$298,752.00
08/15/2012 t 02/28/2015
\$298,752.00

PRINCIPAL INVESTIGATOR: ANNE B. NEWMAN, M.D.,
M.P.H.

The purpose of this study is continued follow-up of the Health ABC cohort by means of clinic examinations, a targeted collection of muscle tissue, and death records abstraction.

Case Western Interventions and Complications	Epidemiology of Diabetes	
DK094157		03/01/2006 t 06/30/2017
\$974,377.00		
		07/01/2013 t 06/30/2014
\$73,341.00		

PRINCIPAL INVESTIGATOR: TREVOR J. ORCHARD, M.D.
This is the renewal of the long-term followup study of the original DCCT intervention trial population. Followup testing and evaluation of this diabetic population is conducted in the Diabetes Research Center clinical facility.

NIDDK U01 DK048412-20	Diabetes Prevention Program Phase 2	
\$2,584,042.00		04/01/2009 t 01/31/2015
		02/01/2013 t 01/31/2014
\$474,790.00		

PRINCIPAL INVESTIGATOR: TREVOR J. ORCHARD, M.D.
This project continues patient follow-up of the long-term effects of the Diabetes Prevention Program interventions on further diabetes development, microvascular outcomes, and cardiovascular disease and risk factors. The extension also includes epidemiologic analysis of impaired glucose tolerance and new-onset type 2 diabetes and determination of the economic impact of diabetes prevention/delay. Additional funding from NCI investigates the role of metformin in modifying cancer incidence in a non-diabetic population.

NIDDK Complications (EDC) Phase II: Renewal	Epidemiology of Diabetes	
R37 DK034818-29		06/01/2009 t 05/31/2014
\$2,202,443.00		
		06/01/2013 t 05/31/2014
\$365,449.00		

PRINCIPAL INVESTIGATOR: TREVOR J. ORCHARD, M.D.
This renewal will extend the follow-up of diabetes complications to 25 years and will document morbidity risk and estimate life expectancy as well as focus on the roles of glycemic, oxidative and inflammatory stress along with women's health issues.

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NIDDK Imaging Biomarkers of Accelerated
Brain Aging in Type 1 Diabetes
R01 DK089028-04 07/07/2010 t 03/31/2014
\$1,521,727.00
04/01/2013 t 03/31/2014
\$336,676.00

PRINCIPAL INVESTIGATOR: CATERINA ROSANO, M.D.
This research will quantify the nature, severity and risk
factors of brain abnormalities in the ongoing longitudinal
Epidemiology of Diabetes Complications (EDC) cohort study as
adults with Type 1 Diabetes (T1D) are increasingly more
likely to develop brain abnormalities in addition to multiple
micro- and macro-vascular complications.

NIA Resilience to Mobility Impairment:
Neural Correlates
R01 AG037451-03 05/01/2011 t 04/30/2016
\$1,880,905.00
05/15/2013 t 04/30/2014
\$346,421.00

PRINCIPAL INVESTIGATOR: CATERINA ROSANO, M.D.
This is a longitudinal neuroepidemiological study to identify
the brain characteristics and risk factors of older adults who
have maintained good mobility in the face of substantial
structural brain abnormalities.

NHBLI Epidemiology of CHD of Men Aged 40+
in US, Hawaii, Japan
R01 HL068200-09 08/15/2008 t 02/28/2014
\$2,728,659.00
03/01/2012 t 02/28/2014
\$622,610.00

PRINCIPAL INVESTIGATOR: AKIRA SEKIKAWA, M.D.,
PH.D.
This renewal aims to determine the association of baseline
serum marine fatty acids with the progression of subclinical
atherosclerosis in the existing cohort, determine the
association of serum marine fatty acids with subclinical atherosclerosis
and examine the relationship between serum fatty acids and food
intake. It is hypothesized that marine fatty acids have a
strong anti-atherogenic effect, especially at the high levels
observed in Japan.

Case Western in Urban Youth RES508302 \$59,880.00 \$6,823.00	Targeting Obesity and Blood Pressure 05/01/2011 t 04/30/2017 05/01/2013 t 04/30/2014
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PRINCIPAL INVESTIGATOR: THOMAS J. SONGER, PH.D.
This is a subcontract for participation in grant NIH R01 HL103622 which focuses on the treatment of obesity and elevated blood pressure in urban youth. The subcontract work includes development and analysis of the economic assessment measures applied in the study to assess the costs and cost-effectiveness of three different interventions targeting the child-family environment.

Temple Obesity and Type 2 Diabetes 360882-04770-02 \$156,561.00 \$63,747.00	Sleep Disordered Breathing in 09/10/2012 t 06/30/2014 07/01/2013 t 06/30/2014
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PRINCIPAL INVESTIGATOR: ELSA S. STROTMAYER, PH.D.
This is followup to collect repeat sleep studies for a project examining the effects of weight loss on sleep-disordered breathing in obese patients with obstructive sleep apnea within the context of the Look AHEAD study.

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NIA Injurious Falls R01 AG028050-05 \$912,233.00 \$308,232.00	Peripheral Nerve Decline: A Cause of 06/15/2013 t 05/31/2016 06/15/2013 t 05/31/2014
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PRINCIPAL INVESTIGATOR: ELSA S. STROTMAYER,
 PH.D.

The renewal of this ancillary study to the Health Aging Body Composition Study (Health ABC) is designed to determine if poor peripheral sensory and motor nerve function is associated with treated fall injuries, including fractures, and with greater total and fall-related Medicare utilization, Medicare expenditures, and mortality, with the ultimate goal to determine if peripheral nerve testing identifies older adults at higher risk for fall injuries, fractures and death that may benefit from preventive measures for nerve decline.

Heinz Endowments Factors in Childhood Autism \$980,915.00 \$142,600.00	Environmental and Personal Risk 04/01/2010 t 04/30/2014 04/01/2013 t 04/30/2014
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PRINCIPAL INVESTIGATOR: EVELYN O. TALBOTT,
 DR.P.H.

The primary objective of this epidemiological study is to investigate the association of specific environmental factors with the risk of Autism Spectrum Disorders (ASD) by conducting a population based case-control study of ASD in Southwestern Pennsylvania with cases recruited from autism clinics and treatment centers as well as local pediatric and family medicine practices.

CDC Cardiovascular Effects 200-2010-37443 \$388,517.00 \$138,769.00	Air Quality and Biomarkers of 09/30/2010 t 03/29/2014 09/30/2012 t 03/29/2014
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PRINCIPAL INVESTIGATOR: EVELYN O. TALBOTT,
 DR.P.H.

The aim of this project is to advance the understanding of the association of ambient fine particulate air pollution with cardiovascular effects and make recommendations for further data and research needs within the Environmental Public Health Tracking program.

UCSD	The Army Study to Assess Risk and Resilience of Service Members
U01 MH087981-05	01/01/2013 t 06/30/2014
\$54,138.00	
	07/01/2013 t 06/30/2014
\$36,717.00	

PH.D. PRINCIPAL INVESTIGATOR: CHRISTINA L. WASSEL,

This is a subcontract to conduct statistical genetics analyses to determine genetic and biomarker risk factors for suicidality and post-traumatic stress disorder to develop risk profiles with the aim of delineating effective future interventions.

Mayo	Multi-Scale Biology of Atherosclerosis in Cellular Adhesion
R01 HL098077-03	05/01/2013 t 12/31/2014
\$32,030.00	
	05/01/2013 t 12/31/2013
\$12,537.00	

PH.D. PRINCIPAL INVESTIGATOR: CHRISTINA L. WASSEL,

This subcontract is for participation in a project to expand the phenotyping and genotyping of adhesion pathway components in existing stored (Multi-Ethnic Study of Atherosclerosis (MESA) study samples to understand the relationship of adhesion on the pathogenesis of atherosclerosis.

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UNC Genetic Epidemiology of Causal
Variants Across the Life Course
U01 HG007416-01 09/01/2013 t 05/31/2018
\$61,818.00
09/01/2013 t 05/31/2014
\$12,459.00

PRINCIPAL INVESTIGATOR: CHRISTINA L. WASSEL,
PH.D.

This subcontract is for participation in a cooperative agreement whose purpose is to increase the understanding of the health implications of selected genetic variants associated with complex diseases, and to assess their importance in diverse U.S. populations.

NHLBI Femoral Atherosclerosis in
Functional Status and CVD Events
R01 HL110955-02 05/23/2015 t 04/30/2017
\$1,499,441.00
05/23/2013 t 04/30/2014
\$463,013.00

PRINCIPAL INVESTIGATOR: CHRISTINA L. WASSEL,
PH.D.

This is an ancillary study to the San Diego Population Study designed to examine the association of femoral artery atherosclerosis and compliance with measures of functional status, exercise induced leg ischemia and incident cardiovascular disease.

Penn Computer-Assisted Cognitive
Behavioral Therapy for Depression
554970 06/16/2010 t 01/31/2014
\$472,020.00
02/01/2013 t 01/31/2014
\$121,347.00

PRINCIPAL INVESTIGATOR: STEPHEN R. WISNIEWSKI,
PH.D.

This is a subcontract for data management for a randomized controlled trial evaluating the efficacy of computer-assisted cognitive behavioral therapy (CCBT) for outpatients with major depressive disorder, assessing two models of delivery and two doses of therapy at two sites to determine if CCBT is as effective as conventional CBT.

NHLBI	Sarcoidosis and A1AT Genomics &
Informatics Center	
U01 HL112707-02	05/01/2012 t 04/30/2015
\$3,842,823.00	
	05/01/2013 t 04/30/2014
\$2,206,329.00	

PRINCIPAL INVESTIGATOR: STEPHEN R. WISNIEWSKI, PH.D.

This project aims to learn more about the causes and progression of two potentially deadly yet under-studied lung diseases, alpha-1 antitrypsin deficiency and sarcoidosis to help identify new treatments and explore the relationship between the bacteria that live in the lungs, gene activation patterns and disease progression.

ADA-Sanofi	Redesigning Diabetes Care Delivery
in Primary Care	
1-12-SAN-31	01/01/2012 t 12/31/2014
\$597,407.00	
	01/01/2013 t 12/31/2013
\$184,237.00	

PRINCIPAL INVESTIGATOR: JANICE C. ZGIBOR, PH.D.
 This study will evaluate the effectiveness of implementing Nurse Directed Diabetes Management Protocols (NDMP) at the practice level on patient outcomes compared to usual diabetes care in primary care practices using a multi-practice, cluster-design, prospective randomized controlled trial with a total study intervention period of 12 months in 20 primary care practices in urban and suburban communities surrounding Pittsburgh, PA..

Sanofi Aventis	Early Insulin Use and Incidence of
Diabetes Complications	
	06/19/2012 t 12/18/2014
\$191,606.00	
	06/19/2012 t 12/18/2014
\$191,606.00	

PRINCIPAL INVESTIGATOR: JANICE C. ZGIBOR, PH.D.
 The aim of this project is to build a patient profile or phenotype defining which patient subgroups are most likely to benefit

from early insulinization using existing data to quantify the incidence of micro- and macrovascular complications based on early insulin therapy versus late insulin therapy and identify those patients most likely to benefit from early insulin therapy.

EPIDEMIOLOGY, CURRENT RESEARCH GRANTS AND CONTRACTS, DEPARTMENT OF
12/28/2013

NIA Wnt Genes and Skeletal Aging: From
the Population to the Cell
R01 AG033618-03 09/01/2010 t 08/31/2014
\$1,256,732.00
09/01/2012 t 08/31/2014
\$381,290.00

PRINCIPAL INVESTIGATOR: JOSEPH M. ZMUDA, PH.D.
The goal of this project is to advance understanding of the genetic regulation of bone mineral density (BMD) and the loss of BMD with aging among older men by investigating the association of inherited variation in Wnt signaling pathway genes and BMD and the rate of loss in BMD in older men of Caucasian and African Ancestry in the Osteoporotic Fractures in Men (MROS) Study.

NIAMS Epidemiology of Bone Loss in African
Men
R01 AR049747-09 09/10/2010 t 08/31/2015
\$2,103,216.00
09/01/2013 t 08/31/2014
\$397,518.00

PRINCIPAL INVESTIGATOR: JOSEPH M. ZMUDA, PH.D.
This renewal continues a study of the determinants of trabecular and cortical volumetric bone mineral density, bone structural geometry, and the rate of bone loss with aging among men of African descent. The study will continue the Tobago Bone Health Study, a unique-population-based study of bone mineral density in 2,500 men ages 40-92 years who are primarily of African heritage.