

**IN THE UNITED STATES DISTRICT COURT
FOR THE WESTERN DISTRICT OF LOUISIANA**

Talatu Helen Dada, et al,

Petitioners-Plaintiffs,

v.

Dianne Witte, et al,

Respondents-Defendants.

Civil Action No.:

DECLARATION OF Lydia Angela Louise Bazzano, MD, PhD, MPH, FACP

I, Lydia Bazzano, make the following declaration based on my personal knowledge and declare under the penalty of perjury pursuant to 28 U.S.C. § 1746 that the following is true and correct.

I. Background

1. I am Dr. Lydia Angela Louise Bazzano. I am a senior physician and Executive Chair of the Ochsner Institutional Review Board at Ochsner Health System (OHS), and Professor of Epidemiology at the Tulane University School of Public Health and Tropical Medicine, where I direct the Center for Lifespan Epidemiology Research. A fellow of the American College of Physicians and Diplomate of the American Board of Internal Medicine, I did my residency training at the Beth Israel Deaconess Medical Center Internal Medicine Residency program in Boston, Massachusetts associated with the Harvard Medical School. I received my medical degree from Tulane University School of Medicine and a Master of Public Health Degree (MPH) as well as a Doctor of Philosophy (PhD) in Epidemiology from the Tulane University School of Public Health and Tropical Medicine.

2. As a professor of Epidemiology at Tulane University School of Public Health and Tropical Medicine, I teach classes in Clinical Epidemiology, which is a subfield of epidemiology focused on the issues relevant to clinical medicine. Epidemiology is commonly defined as the investigation and control of the distribution and determinants of disease in populations. Clinical epidemiology involves the application of population level principles of epidemiology to the individual care of patient in clinical medicine. In this capacity, I teach medical students in the dual degree MD/MPH and MD/PhD programs in Epidemiology, as well as students of public health in the MPH program.

3. As a Senior Physician in the Department of Internal Medicine at Ochsner Health System, I supervise residents in the Internal Medicine in the ambulatory primary care clinic. Prior to this position, from 2012 to 2014, I served as a physician in the Department of Hospital Medicine, attending patients admitted to medical units at the main campus of Ochsner Hospital, located at 1514 Jefferson Highway in New Orleans, Louisiana. In addition, I currently serve as the Executive Chair of the Ochsner Institutional Review Board, which protects the rights of human participants in clinical research.

4. I have broad expertise in the fields of Epidemiology and Internal Medicine with more than 170 peer-reviewed publications in across a range of health outcomes including but not limited to infectious, cardiovascular and metabolic diseases.

5. My CV is attached as Exhibit A.

II. COVID-19 in Louisiana

6. The novel coronavirus, officially known as SARS-CoV-2 (Coronavirus), causes a disease known as COVID-19. COVID-19 has now reached pandemic status. At the time of this

declaration, 20,595 people have been diagnosed with COVID-19 in Louisiana, 104,045 people have been tested for SARS-CoV-2, 2,084 of those people have been hospitalized with 458 requiring mechanical ventilation, and 840 deaths reported.¹ The numbers of infection and death in the United States as a whole, and in Louisiana specifically, are likely underestimated due to the lack of test kits available.

7. The growth rate of COVID-19 cases in Louisiana has been rapid and is expected to outpace hospital bed capacity and Intensive Care Unit (ICU) capacity across the state in both urban and rural parishes.^{2,3} Even the most conservative epidemiologic models of virus transmission in which only 20% of the population become infected with SARS CoV-2, indicate that the need for hospital beds, ICU beds, and ventilators for mechanical ventilation will far exceed the currently available supply, and even an augmented supply.⁴

8. The population of Louisiana has a high prevalence of co-occurring underlying medical conditions that increase vulnerability to severe disease from the virus. The CDC identified underlying medical conditions that may increase the risk of serious COVID-19 for individuals of any age, including high blood pressure, metabolic disorders (such as diabetes), heart and lung disease, and neurologic conditions. States in the Mississippi Delta region, including Louisiana, and Mississippi, lead the nation in prevalence of chronic diseases such as hypertension with age standardized prevalence of 37.5% and 40.1% of the population of each

¹ Louisiana Department of Public Health Coronavirus (COVID-19) interactive map, available at <http://ldh.la.gov/Coronavirus/>, accessed Mar. 30, 2020 (at noon CDT).

² Flattening the Curve: Taking a Look at Louisiana's Hospital Capacity <https://kadr.com/flattening-the-curve-taking-a-look-at-louisianas-hospital-capacity/>

³ Louisiana governor warns New Orleans could run out of ventilators by early April <https://thehill.com/policy/healthcare/489532-louisiana-governor-warns-new-orleans-could-run-out-of-ventilators-by-early>

⁴ How will hospitals accommodate a growing number of COVID-19 patients? Harvard Global Health Institute COVID-19 Hospital Capacity Estimates 2020 <https://globalepidemics.org/>

state, respectively, self-reporting hypertension compared to 28.9% nationally.⁵ Similarly for diabetes, Louisiana ranks 47th in the nation with prevalence of 14.1% of the population having diabetes compared to a national prevalence of 10.9%; for cardiovascular (heart) disease 6% of the population compared to 4.2% nationally, and 5.1% of Louisiana's population has suffered stroke (neurologic disease) compared to only 3.4% nationally.⁶ The percentage of Medicare enrollees with four or more chronic conditions (multiple chronic conditions) in Louisiana is 43.7% compared to 37.8% nationally. Because of this high prevalence of co-morbid conditions in the population of Louisiana (as well as other states in the Southern Mississippi Delta), vulnerability to severe disease from SARS CoV-2, requiring hospitalization and ICU level of care, as well as mechanical ventilation, is likely to be greater than in other regions or states, diabetes, and cardiovascular diseases, further taxing the limited medical infrastructure.

9. For the aforementioned reasons, the hospitalization rate and requirements for ICU level care due to severe COVID-19 are likely to be higher in Louisiana than in other states where co-occurring underlying conditions are less frequently manifested in the general population.

III. COVID-19 in Rural Louisiana

10. Rural medical infrastructure and capacity has been decreasing over time.⁷ Individuals in rural parishes of Louisiana and neighboring Southern states face more barriers to fast and efficient medical care than those in urban areas due to declining medical infrastructure. Most rural hospitals have very limited ICU capacity and few ventilators as compared to hospitals

⁵ Fang J, Gillespie C, Ayala C, Loustalot F. Prevalence of Self-Reported Hypertension and Antihypertensive Medication Use Among Adults Aged ≥ 18 Years — United States, 2011–2015. MMWR Morb Mortal Wkly Rep 2018;67:219–224 https://www.cdc.gov/mmwr/volumes/67/wr/mm6707a4.htm?s_cid=mm6707a4_w

⁶ Data available at <https://www.americashealthrankings.org/health-topics>, accessed March 30th, 2020

⁷ A Sense of Alarm as Rural Hospitals Keep Closing. New York Times. October 29, 2018. <https://www.nytimes.com/2018/10/29/upshot/a-sense-of-alarm-as-rural-hospitals-keep-closing.html>

and medical facilities in urban areas. Based on regional estimates of hospital capacity in Louisiana, towns in rural parishes such as Lake Charles in Calcasieu Parish and Alexandria in Rapides Parish demand for ICU and hospital beds will far outpace availability. For example, Alexandria has an estimated 20 ICU beds available regionally, however even using the best case scenario estimate of transmission (20% infected) approximately 2,002 individuals would need ICU level care due to infection which would require approximately 133 ICU beds needed in the next 6 months alone.⁸ More realistic models of transmission with a 40% or 60% rate of infection project a severely insufficient hospital and ICU bed capacity in rural areas which has a very strong potential to result in a large number of excess deaths.

11. Severe COVID-19 cases that exceed rural medical capacity will require transfer to urban hospitals where ICU and mechanical ventilation capacity is expected to be higher. However, demand for hospital and ICU beds in urban areas is expected to far exceed supply as well, resulting in delays in transfer of care until beds become available, if at all.

12. Geographic transfer of patients who are infected and exhibiting severe signs of COVID-19, if possible, from rural to urban medical centers may require several days and could be associated with poorer outcomes due to the transfer itself. In addition, transfer of patients with an infectious respiratory organism that can remain airborne for significant lengths of time poses risks for transmission to medical staff and others.

IV. COVID-19 in ICE Detention Centers in Rural Louisiana

13. Community transmission is occurring across the state of Louisiana in all parishes. Staff at detention facilities are likely to become infected and transmit the infection to other staff

⁸ Data available at <https://globalepidemics.org/2020/03/17/2020-03-17-caring-for-covid-19-patients/> Harvard Global Health Institute, COVID-19 Hospital Capacity Estimates, accessed March 30th, 2020

and detainees. Due to the lack of systematic nationwide testing, it is likely that infections will occur and go undetected during several days of incubation, which are typically asymptomatic.

14. After SARS CoV-2 infection has occurred in a facility that is highly unlikely to be contained using the procedures outlined in the Interim Reference Sheet on 2019-Novel Coronavirus (COVID-19). Many aspects of congregative environments such as ICE detainment facilities make it difficult if not impossible to contain transmission. In Louisiana, 28 clusters of two or more linked cases have already occurred in congregative facilities, primarily nursing homes.

15. The protocol for detection and containment of COVID-19 in ICE facilities relies in part on questioning detainees about travel and sick contacts. These questions are likely to be unreliable and provide a false sense of security given the broad community-based transmission occurring in Louisiana. Staff themselves are likely exposed and bring the virus into the congregative environment during the asymptomatic period prior to fever and respiratory symptoms. Efforts to isolate detainees who have become infected are not likely to effectively contain infection because of the characteristics of the SARS CoV-2 virus and its long duration of airborne transmission due to small aerosolized particles. Only specialized negative pressure isolation rooms are documented to be effective against transmission due to small aerosolized particles.

V. Specific Cases

The 16 plaintiffs in this lawsuit present with personal health characteristics that put them at high to very high risk for complications from COVID-19 should they be exposed to the virus in detention.

- a. Ms. Rosabel Carrera (59, F) suffers from Diabetes, hypertension. unspecified heart issues, obesity. This person is at a very high risk for complications related to the novel coronavirus due to her co-occurring multiple chronic conditions (multi-morbidity) and obesity. Her age may increase the risk for complications. This person's age also increases the risk for complications.
- b. Ms. Tatalu Helen Dada (40, F). She suffers from Asthma; Hypothyroidism, Grave's Disease, compromised immune system; Her asthma diagnosis puts her at a high risk for complications from COVID-19. The treatment for her Grave's Disease (an auto-immune condition in which the body attacks itself) may make a person immunocompromised and predispose a person for certain cancers.
- c. Ms. Sonia Lemus Tejada-Dejaso (53, F) suffers from Hypertension, unspecified heart issues. This person is at a very high risk for complications related to the novel coronavirus due to her co-occurring multiple chronic conditions (multi-morbidity).
- d. Ms. Matilde Flores de Saavedra (78, F). She suffers from Diabetes, hypertension. This person is at a very high risk for complications related to the novel coronavirus due to her co-occurring multiple chronic conditions (multi-morbidity). This person is at an extremely high risk for complications due to her age.
- e. Mr. Suresh Kumar (37 M) is malnourished, immunocompromised, and suffers from Hep C, liver infections. This person is at a very high risk for complications related to the novel coronavirus due to his immunocompromised status. Being

malnourished significantly lowers one's immunity and would render one much more susceptible to acquiring an infection and having a harder time fighting it off.

- f. Mr. Pardeep Kumar (28, M). He is malnourished, immunocompromised, and has failing kidneys. This person is at a very high risk for complications related to the novel coronavirus due to his immunocompromised status. Being malnourished lowers one's immunity and would render one much more susceptible to acquiring an infection and having a harder time fighting it off. Kidney failure in and of itself puts a person in the extremely high risk category for morbidity and mortality. Failing kidneys complicate every known medical condition and make it very difficult to treat and manage any/all medical conditions.
- g. Ms. Nadira Sampath Grant (53, F) suffers from Diabetes, diabetic neuropathy. This person is at a very high risk for complications related to the novel coronavirus due to her diabetes and the diabetes complications (neuropathy) which suggest her diabetes is not under good control.
- h. Ms. Griselda del Bosque (F, 59) suffers from asthma. She is at a high risk for complications related to her lung disease. This person is also at a high risk for complications due to her age.
- i. Mr. Sirous Asgari (59, M). He suffers from hypertension and an unspecified respiratory condition with a history of repeat episodes of pulmonary pneumonia. This person is at high risk for complications related to the novel coronavirus due to his high-blood pressure and lung condition.

- j. Mr. Hasan Saleh (62, M). He suffers from diabetes and hypertension. This person is at a very high risk for complications related to the novel coronavirus due to his co-occurring multiple chronic conditions (multi-morbidity). This person is also at a high risk for complications due to his age.
- k. Mr. Rolando Alex Colon (47, M). He suffers from hypertension. This person is at high risk for complications related to the novel coronavirus due to his high-blood pressure.
- l. Mr. Eduardo Devora Espinosa (34, M). He suffers from diabetes and hypertension. This person is at a very high risk for complications related to the novel coronavirus due to his co-occurring multiple chronic conditions (multi-morbidity).
- m. Mr. Desmond Nkobenei (25, M). He suffers from hypertension. This person is at high risk for complications related to the novel coronavirus due to his high-blood pressure.
- n. Mr. Aracelio Rodriguez (61, M) suffers from asthma. He is at a high risk for complications related to his lung disease. This person is also at a high risk for complications due to his age.
- o. Mr. Abraham Gebremedhin Gebremichael, (33, M) suffers from bradycardia. This person is at a very high risk for complications related to the novel coronavirus due to his cardiovascular disease.

- p. Mr. Karthikeyan Ponnusamy (42, M) suffers from diabetes, hypertension, and a blood condition called Low Lactate Dehydrogenase.⁹ This person is at a very high risk for complications related to the novel coronavirus due to his co-occurring multiple chronic conditions (multi-morbidity).

VI. Conclusion and Recommendations

16. For the reasons above, it is my professional judgment that the plaintiffs, currently in ICE's immigration detention centers in rural areas of Louisiana are at high risk of contracting SARS CoV-2 due to living in a congregative environment, and that they are much more likely to experience poor outcomes including multiorgan failure and death if they do become infected because of the shortage of rural hospital infrastructure and capacity.

17. Given transmission rates based on even the most conservative epidemiologic models, bed capacity in urban areas is likely to be far exceeded thus transfer to those hospitals will be improbable or impossible and poses risks to both the patient, health care workers, and others.

18. The recommendations of the ICE Health Service Corps embodied in Interim Reference Sheet on 2019-Novel Coronavirus (COVID-19) will not be sufficient to prevent infection in ICE detainment facilities in Louisiana where community transmission is occurring in nearly all parishes.

VII. Expert Disclosures

None.

⁹ Mardani R, Ahmadi Vasmehjani A, Zali F, et al. Laboratory Parameters in Detection of COVID-19 Patients with Positive RT-PCR; a Diagnostic Accuracy Study. *Arch Acad Emerg Med.* 2020;8(1):e43. Published 2020 Apr 4.

I declare under penalty of perjury that the foregoing is true and correct.

Signature:

Date: April 12, 2020

Location: Metairie, LA

A handwritten signature in black ink, appearing to read "Lydia Bazzano". The signature is written in a cursive, flowing style with a large initial 'L' and 'B'.

Lydia Bazzano

Exhibit A



Lydia Bazzano January 7, 2020

CURRICULUM VITAE

Lydia Angela Louise Bazzano, MD, PhD, MPH
Tulane University School of Public Health and Tropical Medicine
Full Professor of Epidemiology
Ochsner Clinic Foundation
Senior Physician, Internal Medicine

CONTACT INFORMATION

Business Address: Tulane University Health Sciences Center
School of Public Health and Tropical Medicine
Department of Epidemiology
1440 Canal St., Suite 2034
New Orleans, LA 70112

Ochsner Clinic Foundation
Center for Primary Care and Wellness
1401-A Jefferson Hwy, 2nd Floor
New Orleans, LA 70121

Business Telephone and fax: (504) 988-7323 –T office; (504) 842-3535 - O office
(504) 988-1568 - T fax; (504) 842-4248 - O fax
(504) 450-2066 – cell

Business email Address: lbazzano@tulane.edu
lbazzano@ochsner.org

Home Address: 4401 Avron Blvd.
Metairie, LA 70006

Citizenship: USA

Gender: Female

Marital Status: Married

Number of Children: Number of Children: 1

EDUCATION

Bachelor of Science Summa cum Laude (Ecology and Environmental Biology), May 1996
Newcomb College, Tulane University, New Orleans, Louisiana

1/7/2020

Doctor of Philosophy (Epidemiology), December 2000
Tulane University School of Public Health and Tropical Medicine, New Orleans, Louisiana

Doctor of Medicine, May 2002
Tulane University School of Medicine, New Orleans, Louisiana

Master of Public Health (Epidemiology), May 2002
Tulane University School of Public Health and Tropical Medicine, New Orleans, Louisiana

POST-DOCTORAL TRAINING

June, 2002- July, 2003 Internship in Internal Medicine
Department of Medicine
Beth Israel Deaconess Hospital
Harvard School of Medicine
Boston, Massachusetts

June, 2003-July, 2005 Residency in Internal Medicine
Department of Medicine
Beth Israel Deaconess Hospital
Harvard School of Medicine
Boston, Massachusetts

LICENSURE AND CERTIFICATIONS

| | |
|--------------|--|
| 1996-present | Basic Life Support Certification (BLS) |
| 2002-present | Advanced Cardiac Life Support Certification (ACLS) |
| 2003-present | United States Medical Licensure Examination Certification |
| 2002-2009 | Massachusetts Medical Licensure |
| 2005-present | Louisiana Medical Licensure |
| 2005-present | Diplomate, American Board of Internal Medicine Certification |
| 2015-present | Certified Institutional Review Board Professional (CIP) |
| 2017-present | Diplomate, American Board of Obesity Medicine Certification |

1/7/2020

ACADEMIC APPOINTMENTS

| | |
|-----------------|--|
| July, 2019- | Professor of Epidemiology, Tulane University School of Public Health and Tropical Medicine |
| July, 2014- | Lynda B & H Leighton Steward Professorship in Nutrition Research Director, Center for Lifespan Epidemiology Research Department of Epidemiology, Tulane University School of Public Health and Tropical Medicine |
| January, 2013- | Senior Lecturer, University of Queensland School of Medicine Ochsner Clinical School |
| July, 2012 | Associate Professor of Epidemiology (with Tenure), Tulane University School of Public Health and Tropical Medicine |
| July, 2005-2012 | Assistant Professor of Epidemiology, Tulane University School of Public Health and Tropical Medicine |
| July, 2005-2013 | Clinical Assistant Professor of Medicine, Tulane University School of Medicine |
| June, 2007 | Adjunct Assistant Professor, Pennington Biomedical Research Center, Louisiana State University |

CLINICAL PRIVLEDGES AND APPOINTMENTS

| | |
|------------|--|
| 2019- | Senior Staff Physician, Internal Medicine, Ochsner Medical Center, Jefferson, LA |
| 2012 -2019 | Active Staff Physician, Internal Medicine, Ochsner Medical Center, Jefferson, LA |
| 2005-2012 | Active Staff Physician, Internal Medicine, Tulane Lakeside Hospital, Metairie, LA |
| 2005-2012 | Active Staff Physician, Internal Medicine, Tulane HCA Hospital, New Orleans, LA |
| 2006-2012 | Active Staff Physician, Internal Medicine, Medical Center of Louisiana at New Orleans, New Orleans, LA |

HONORS AND AWARDS

| | |
|------|--|
| 1996 | Phi Beta Kappa National Honor Society Newcomb College, Tulane University |
| 1996 | Fred R. Cagel Memorial Award in Biology Newcomb College, Tulane University |
| 2000 | Population Research Award in Epidemiology Tulane University School of Public health and Tropical Medicine |

1/7/2020

- 2002 Jeremiah and Rose Stamler Research Award, Finalist
American Heart Association, Council on Epidemiology and Prevention
- 2002 Janet M. Glasgow Memorial Achievement Citation
American Medical Women's Association
Tulane University School of Medicine
- 2002 Medical Student Award
American Federation for Medical Research
Tulane University School of Medicine
- 2002 Alpha Omega Alpha Medical Honor Society
Tulane University School of Medicine

PUBLIC POLICY ACTIVITY

2020-2025 Dietary Guidelines for Americans Advisory Committee *I have been appointed to the 2020 Committee, <https://www.cnpp.usda.gov/dietary-guidelines>*

2005-2015 Dietary Guidelines for Americans *My work has been cited in the Scientific Report from the Dietary Guidelines Advisory Committee in each year (2005, 2010, 2015) of guidelines over the past 15 years*

- Scientific Report of the 2015 Dietary Guidelines Advisory Committee: Advisory Report to the Secretary of Health and Human Services and the Secretary of Agriculture. U.S. Department of Agriculture, Agricultural Research Service, Washington, DC, Appendix E-2: Supplementary Documentation to the 2015 DGAC Report - Dietary Guidelines Advisory Committee. 2015. Appendix E-2.26, 27, 28: Evidence Portfolio
- Dietary Guidelines Advisory Committee. 2010. Report of the Dietary Guidelines Advisory Committee on the Dietary Guidelines for Americans, 2010, to the Secretary of Agriculture and the Secretary of Health and Human Services. U.S. Department of Agriculture, Agricultural Research Service, Washington, DC.
- Dietary Guidelines Advisory Committee. 2005. Report of the Dietary Guidelines Advisory Committee on the Dietary Guidelines for Americans, 2005, to the Secretary of Agriculture and the Secretary of Health and Human Services. U.S. Department of Agriculture, Agricultural Research Service, Washington, DC. Part D. Science Base Section 6: Selected Food Groups (Fruits and Vegetables, Whole Grains, and Milk Products)

United States Preventive Services Task Force *My work has been referenced in the following.*

- Selph S, Dana T, Blazina I, Bougatsos C, Patel H, Chou R. Screening for type 2 diabetes mellitus: a systematic review for the US Preventive Services Task Force. Annals of Internal Medicine. 2015 Jun 2;162(11):765-76.

1/7/2020

American Heart Association/American College of Cardiology, Guidelines and Statements *My work has been referenced in all of the following guidelines and statements*

- Eckel RH, Jakicic JM, Ard JD, De Jesus JM, Miller NH, Hubbard VS, Lee IM, Lichtenstein AH, Loria CM, Millen BE, Nonas CA. 2013 AHA/ACC guideline on lifestyle management to reduce cardiovascular risk: a report of the American College of Cardiology/American Heart Association Task Force on Practice Guidelines. Journal of the American College of Cardiology. 2014 Jul 1;63(25 Part B):2960-84.
- Smith SC, Benjamin EJ, Bonow RO, Braun LT, Creager MA, Franklin BA, Gibbons RJ, Grundy SM, Hiratzka LF, Jones DW, Lloyd-Jones DM. AHA/ACCF secondary prevention and risk reduction therapy for patients with coronary and other atherosclerotic vascular disease: 2011 update: a guideline from the American Heart Association and American College of Cardiology Foundation endorsed by the World Heart Federation and the Preventive Cardiovascular Nurses Association. Journal of the American College of Cardiology. 2011 Nov 29;58(23):2432-46.
- Goldstein LB, Adams R, Alberts MJ, Appel LJ, Brass LM, Bushnell CD, Culebras A, DeGraba TJ, Gorelick PB, Guyton JR, Hart RG. Primary prevention of ischemic stroke: A guideline from the American heart association/American stroke association stroke council: Cosponsored by the atherosclerotic peripheral vascular disease interdisciplinary working group; cardiovascular nursing council; clinical cardiology council; nutrition, physical activity, and metabolism council; and the quality of care and outcomes research interdisciplinary working group: The American academy of neurology affirms the value of this guideline. Stroke. 2006 Jun 1;37(6):1583-633.
- Hunt SA, Abraham WT, Chin MH, Feldman AM, Francis GS, Ganiats TG, Jessup M, Konstam MA, Mancini DM, Michl K, Oates JA. ACC/AHA 2005 guideline update for the diagnosis and management of chronic heart failure in the adult—summary article: a report of the American College of Cardiology/American Heart Association Task Force on Practice Guidelines (Writing Committee to Update the 2001 Guidelines for the Evaluation and Management of Heart Failure). Journal of the American College of Cardiology. 2005 Sep 20;46(6):1116-43.
- Mosca L, Appel LJ, Benjamin EJ, Berra K, Chandra-Strobos N, Fabunmi RP, Grady D, Haan CK, Hayes SN, Judelson DR, Keenan NL. Evidence-based guidelines for cardiovascular disease prevention in women. Journal of the American College of Cardiology. 2004 Mar 3;43(5):900-21.

World Health Organization *I was invited to give a presentation at a joint conference of the World Health Organization and the food and Agriculture Organization on “Effects of Fruits and Vegetables on Risk of CVD and Diabetes”.*

1/7/2020

- World Health Organization. Fruit and vegetables for health: report of a Joint FAO/WHO Workshop, 1-3 September, 2004, Kobe, Japan. Available at: <http://www.fao.org/3/a-y5861e.pdf> Accessed 10/28/2018

PROFESSIONAL MEMBERSHIPS AND OFFICES

| | |
|--------------|--|
| 1997- | Member of the American Medical Association |
| 2003-2009 | Member of the Massachusetts Medical Society |
| 2005- | Member of the Louisiana State Medical Society |
| 2005- | Member of the Society of General Internal Medicine |
| 2005- | Member of the Nutrition and Epidemiology Councils, American Heart Association |
| 2007 | Fellow, American College of Nutrition |
| 2008-2011 | Elected Member, Evidence Based Medicine Task Force, Society of General Internal Medicine |
| 2012 | Member, Southern Society for Clinical Investigation |
| 2013 | Fellow, American College of Physicians |
| 2016- | Member, American Association of University Professors |
| 2017-2018 | Board Member, American Association of University Professors, Tulane Chapter |
| 2017-present | Elected Councilor, Executive Council, Southern Society for Clinical Investigation |

NATIONAL AND INTERNATIONAL COMMITTEES

Study Section and Scientific Reviews

NIHR-CCF (National Institute for Health Research Central Commissioning Facility for UK Department of Health) Peer review for Department of Health Applied Research Program– “Delivering the Diabetes Prevention Program in a UK Community Setting,” 2006

Member, National Board of Public Health Examiners 2008 Item-Writing Committee, Meetings September 28-29th, 2006 and September 10-11th, 2007

Office of Dietary Supplements, National Institutes of Health, Reviewer for 2007 Annual Bibliography of Significant Advances in Dietary Supplements Research, 2007

1/7/2020

Ad-hoc Member, Health Services Organization and Delivery (HSOD) Study Section, National Institute of Health, Center for Scientific Review, February 5-6th, 2009

Member, External Advisory Panel, Peer review for Dry Grain Pulses Collaborative Research Support Program (CRSP), Office of Agriculture, EGAT, United States Agency for International Development (USAID), October 16th, 2009

Member, Special Emphasis Panel, National Institutes of Health, Center for Scientific Review, Internet Assisted Review, February 16-18th, 2011

Member, Special Emphasis Panel reviewing applications for the RFA HL-12-004 entitled “Maximizing the scientific value of the NHLBI biologic specimen repository: Scientific opportunities (R21)”, National Institutes of Health, Center for Scientific Review, November 7, 2012

Ad-hoc Member, Neurological, Aging and Musculoskeletal Epidemiology Study Section, National Institute of Health, Center for Scientific Review, June 13th-14th, 2013

Ad-hoc Member, Neurological, Aging and Musculoskeletal Epidemiology Study Section, National Institute of Health, Center for Scientific Review, October 15th-16th, 2015

Member, Contract Review Panel, National Institute of Child Health and Human Development, Center for Scientific Review, ZHD1 DSR-K (DD), August 23rd, 2016.

Ad hoc Member, Cancer, Heart, and Sleep Epidemiology Study Section - A (CHSA), National Institute of Health, Center for Scientific Review, October 27th-29th, 2016

Ad hoc Member, Neurological, Aging and Musculoskeletal Epidemiology Study Section, National Institute of Health, Center for Scientific Review, February 5th-6th, 2018

Regular Appointed Member, Neurological, Aging and Musculoskeletal Epidemiology Study Section, National Institute of Health, Center for Scientific Review, July 1, 2018 - 2022

SERVICE

Journal Reviewer

American Journal of Clinical Nutrition
 British Journal of Nutrition
 Nutrition, Metabolism & Cardiovascular Disease
 American Journal of Epidemiology
 Annals of Neurology
 Annals of Internal Medicine
 Canadian Medical Association Journal
 Circulation
 Diabetes Care

1/7/2020

Epidemiology
Hypertension
JAMA (Journal of the American Medical Association)
JAMA Internal Medicine
Journal of the American College of Nutrition
Kidney International
Lancet
Nature
Public Library of Science (PLOS) One
Public Library of Science (PLOS) Medicine
Stroke
Science

Journal Editorial Boards

2011-present Nutrition Metabolism and Cardiovascular Disease

Academic Committees

2005-present Member, Tulane MD/MPH Advisory Committee

2008-2010 Chair, Tulane MD/MPH Advisory Committee

2006-2008 Member, Tulane SPH&TM Culminating Exam Committee

2008, 2017 Chair, Tulane Epidemiology Faculty Search Committee (Cardiovascular Epidemiology)

2009-2012 Member, Program Committee, Tulane Interdisciplinary PhD in Aging Studies

2009-2014 Alternate Member, Tulane University Biomedical Institutional Review Board

2017-2018 Secretary, General Faculty, Tulane School of Public Health & Tropical Medicine

2018-2021 Senator, Tulane University Senate (3 year term)

2012-present Steering Committee Member, Building Interdisciplinary Research Careers in Women's Health (BIRCWH)

2014-present Ochsner Institutional Review Board, Chair Panel A

2014-present Chair, Bogalusa Heart Study Steering Committee, Tulane University

2019-present Advancement, Promotion and Tenure Committee, Tulane School of Public Health & Tropical Medicine

1/7/2020

Other Committees

2011-2012 Alternate Member, New Orleans VA Institutional Review Board

CONSULTANCIES

- 2017-2020 Mizkan Ltd – consultancy to provide scientific and clinical input in the design and operation of a clinical trial examining the effects of a vinegar beverage on blood pressure in black and white men and women with pre-hypertension as defined in the most recent national guidelines.
- 2015-2016 Wellness and Nutrition Advisory Board (WNAB) – consultancy organized by Sabra Dipping Company to advise the company regarding scientific advances in nutrition which provide a strategic opportunity to promote healthy dietary patterns incorporating hummus and other Sabra products.
- 2007-2009 Bean Expert Advisory Panel (BEAN) – consultancy organized by Bush Beans. The Panel is composed of 11 nationally renowned food and nutrition, health, and culinary experts who advise on ways to help Americans achieve the 2005 Dietary Guidelines recommendation to consume 3 cups per week of legumes, such as beans, as part of a healthy diet

TEACHING**Current**

- Course Director EPID 6420 Clinical Epidemiology (Tulane University School of Public Health and Tropical Medicine, 2007-present)
- Course Director EPID 6430 Clinical and Translational Research Methods (Tulane University School of Public Health and Tropical Medicine, 2018-present)
- Lecturer EPID 790 Advanced Epidemiology Methods (Tulane University School of Public Health and Tropical Medicine, 2008-2011)
- Lecturer EPID 6220 Cardiovascular Disease Epidemiology (Tulane University School of Public Health and Tropical Medicine, 2000-2002, 2005-present)
- Lecturer EPID 6500 Nutritional Epidemiology (Tulane University School of Public Health and Tropical Medicine, 2017-present)

1/7/2020

Lecturer SPHU 3200 Nutrition and Chronic Disease (Tulane University School of Public Health and Tropical Medicine, 2015-present)

Past

Course Director EPID 6220 Cardiovascular Disease Epidemiology (Tulane University School of Public Health and Tropical Medicine, 2009-2012)

Lecturer EPID 6430 Clinical and Translational Research Methods (Tulane University School of Public Health and Tropical Medicine, 2015-2017)

Students Advised Each Year by Level of Degree

Master Students (by year of graduation or expected)

| | |
|------|--|
| 2007 | Kristina Lewis (MD/MPH) Jeffrey Wolters (MD/MPH) Hannan Natalia (MD/MPH) Ulana Pogribna (MD/MPH) |
| 2008 | Melissa DeVito (MD/MPH) Kyle Fargen (MD/MPH) Mary McDonald (MD/MPH) Jeannie Rhee (MD/MPH) Ajay Tejwanti (MD/MPH) Michael Tees (MD/MPH) |
| 2009 | Eduardo Castro-Echeverry (MD/MPH) Joseph Prows (MD/MPH) James Lukens (MPH) Margaret Jones (MD/MPH) Katherine Kerisit (MD/MPH) Jason Collins (MPH) Bridgette Collins-Burrow (MPH) Nedret Copur (MPH) Houman Dahi (MPH) Christiane Hadi (MPH) Julie Kumata (MPH) T C Narumanchi (MPH) Supat Thammasitboon (MPH) Aggarwal, Shivang (MPH) |
| 2010 | Jordan Awerbach (MD/MPH) Kelly Lafaro (MD/MPH) Oni Olirunde (MS) Eric Richter (MS-CR) |

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Sindjuja Marupudi (MPH)
Alina D. Fotino (MPH)

2011 Aaron Boojindasum (MD/MPH)
Jordan Hoffman (MD/MPH)
Edward Mannina (MD/MPH)
Ashley Nitschke (MD/MPH)
Snow Petersen (MD/MPH)
Tina Wang (MD)
Brian Zwecker (MD/MPH)
Jerome Crowley (MD/MPH)
Supat Thommasitboon (MPH)

2012 David Bateman (MD/MPH)
Daniel Bourgeois III (MD/MPH)
Joanne So (MD/MPH)
Thomas Jan (MD/MPH)
Kutaiba Al-Shebeeb (MPH)
Palwasha Anwari (MPH)
Cassandra J. Heiselman (MPH)

2013 Kayleen Bailey (MD/MPH)
David German (MD/MPH)
Michael R. Halstead (MD/MPH)
Marsha Smith (MD/MPH)

2014 Mohamed H. Eloustaz (MD/MPH)
Cary T. Grayson (MD/MPH)
Nicole Jackson (MD/MPH)
Erica Jones (MD/MPH)
Jessica Langston (MD/MPH)
Simon Christopher Lim (MD/MPH)
Tianming Liu (MD/MPH)
Daniel Reid (MD/MPH)
Rebecca Reimers (MD/MPH)
Lucy Witt (MD/MPH)
Elliot S. Brannon (MPH/PeaceCorp)
Kenny L. Wang (MPH)
Babalola Olayiwola (MPH)

2015 Maeh Al-Shawaf (MPH)
Nkechi Mbaebie (MPH)
Oduche Igboechi (MD/MPH)
Anita Madison (MD/MPH)
William (Cameron) McGuire (MD/MPH)
Brigid Avendido (MD/MPH)
Ngoc Ly (MD/MPH)

2016 Brian Burkett (MD/MPH)

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| | |
|------|-----------------------------------|
| | Chad Bush (MD/MPH) |
| | Erin Dawson (MD/MPH) |
| | Brian Duffell (MD/MPH) |
| | Michelle Fleshner (MD/MPH) |
| | Emily Harkins (MD/MPH) |
| | Haley Johnson (MD/MPH) |
| | Jason Ohlstein (MD/MPH) |
| | Stacey Ullman (MD/MPH) |
| | Aktar Faisal (MPH) |
| | Sarah Ali (MPH) |
| 2017 | Alexandra Haugh (MD/MPH) |
| | Kelly Jensen (MD/MPH) |
| | Meghan McGwier (MD/MPH) |
| | Shoshana Newman-Gerhardt (MD/MPH) |
| | Hunter Smith (MD/MPH) |
| 2018 | Brigid Adviento (MD/MPH) |
| | Christopher Carr (MD/MPH) |
| | Thomas Flowers (MD/MPH) |
| | Zachary Koretz (MD/MPH) |
| | Gregory Minutillo (MD/MPH) |
| | William Preston (MD/MPH) |
| | Christopher Schmitt (MD/MPH) |
| | David Swift (MD/MPH) |
| | Natalie Fortune (MS) |
| 2019 | Kionna Henderson (MPH) |
| | Peng Cheng (MPH) |
| 2020 | Kyle Arnold (MD/MPH) |
| | Hannah Bernstein (MD/MPH) |

Doctoral Dissertation Committees (Member and Chaired)

Dissertation Committees (Chair)

Angela M. Thompson, MPH
 PhD in Epidemiology 2012
 “Impact of Hurricane Katrina on Medication Adherence and Health Care Facility Utilization among Hypertensive Veterans”
Current Position: Epidemiologist at Centers for Disease Control and Prevention, Atlanta, Georgia

Tian Hu, BM, MPH
 PhD in Epidemiology 2015
 “Nutritional Factors in the Progression of Chronic Kidney Disease”

1/7/2020

Current Position: Post-doctoral fellow at University of Minnesota, School of Public Health, Division of Epidemiology and Community Health, Minneapolis, Minnesota

Ben Pollock, MPH

PhD in Epidemiology 2017

“Cardiovascular Risk Mobility: A Novel Application of Economic Theory to Characterize Life Course Cardiovascular Risk”

Current Position: Epidemiologist, Mayo Clinic, Jacksonville, Florida

Patrick Stuchlik, MS

PhD in Epidemiology 2018

“Childhood and Young Adult Predictors of Cognitive Function in Middle Age: Evidence from the Bogalusa Heart Study”

Current Position: Post-doctoral Fellow, University of California San Francisco, San Francisco, California

Dissertation Committee (Member)

Tanika Kelly, MPH 2008

PhD in Epidemiology: Chair, Jiang He, MD, PhD

“Genetic Variants and the Salt-Sensitivity of Blood Pressure in the Genetic Epidemiology Network of Salt-Sensitivity”

Current Position: Associate Professor of Epidemiology, Tulane University SPHTM

Angela Shen, MPH 2011

Executive ScD in Health Systems Management: Chair, Mahmud Khan, PhD

“An Economic Evaluation for the Introduction of a Future HIV Vaccine”

Current Position: Affiliate Faculty, Drexel University, Dornsife School of Public Health, Consultant - Vaccines and Immunizations, Captain (retired) US Public Health Service

Christopher Anderson, MPH, Expected 2020

PhD in Epidemiology: Chair, Jeanette Gustat, PhD

“The Built Environment, Health Contexts and Health States in the Bogalusa Heart Study Population”

Xiang Li, MPH Expected 2020

PhD in Epidemiology: Chair, Lu Qi, MD, PhD

Jovia Nierenberg, MPH Expected 2020

PhD in Epidemiology: Chair, Tanika Kelly, PhD

PUBLICATIONS

Peer-reviewed Publications

1/7/2020

1. He J, Ogden LG, Vupputuri S, **Bazzano LA**, Loria C, Whelton PK. Dietary sodium intake and subsequent risk of cardiovascular diseases in overweight U.S. men and women. JAMA. 1999; 282:2027-2034.
2. He J, **Bazzano LA**. Effects of lifestyle modification on treatment and prevention of hypertension. Current Opinion in Nephrology and Hypertension. 2000; 9:267-271.
3. He J, Ogden LG, **Bazzano LA**, Vupputuri S, Loria C, Whelton PK. Risk factors for congestive heart failure in US men and women: NHANES I Epidemiologic Follow-up Study. Arch Intern Med. 2001;161:996-1002
4. Butt AA, Dascomb KK, DeSalvo KB, **Bazzano L**, Kissinger PJ, Szerlip HM. Human Immunodeficiency Virus infection in elderly patients. Southern Medical Journal. 2001; 94:397-400.
5. **Bazzano LA**, He J, Ogden LG, Vupputuri S, Loria C, Myers L, Whelton PK. Dietary potassium intake and risk of stroke in US men and women: NHANES I Epidemiologic Follow-up Study. Stroke. 2001; 32:1473-1480.
6. **Bazzano LA**, He J, Ogden LG, Vupputuri S, Loria C, Myers L, Whelton PK. Legume consumption and risk of coronary heart disease in US men and women: NHANES I Epidemiologic Follow-up Study. Arch Intern Med. 2001; 161(21):2573-8.
7. **Bazzano LA**, He J, Ogden LG, Vupputuri S, Loria C, Myers L, Whelton PK. Dietary Intake of folate and risk of stroke in US men and women: NHANES I Epidemiologic Follow-up Study. Stroke. 2002; 33:1183-1189.
8. **Bazzano LA**, He J, Ogden LG, Vupputuri S, Loria C, Myers L, Whelton PK. Fruit and vegetable intake and cardiovascular disease mortality in US adults: the National Health and Nutrition Examination Survey I Epidemiologic Follow-up Study. Am J Clin Nutr. 2002;76:93-9
9. **Bazzano LA**, He J, Ogden LG, Vupputuri S, Loria C, Myers L, Whelton PK. Agreement on nutrient intake between NHANES I and ESHA Food Processor databases. Am J Epidemiol. 2002; 156:78-85.
10. He J, Ogden LG, **Bazzano LA**, Vupputuri S, Loria C, Whelton PK. Dietary sodium intake and incidence of congestive heart failure in overweight US men and women: First National Health and Nutrition Examination Survey Epidemiologic Follow-up Study. Arch Intern Med. 2002; 162:1619-1624.
11. **Bazzano LA**, He J, Muntner P, Vupputuri S, Whelton PK. Relationship between cigarette smoking and novel risk factors for cardiovascular disease in the United States. Ann Intern Med. 2003; 138:891-897.

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12. **Bazzano LA**, Serdula MK, Liu S. Dietary intake of fruits and vegetables and risk of cardiovascular disease. Curr Atheroscler Rep. 2003; 5: 492-499.
13. Vupputuri S, He J, Muntner P, **Bazzano LA**, Whelton PK, Batuman V. B Blood lead level is associated with elevated blood pressure in blacks. Hypertension. 2003;41:463-8.
14. **Bazzano LA**, He J, Ogden LG, Vupputuri S, Loria C, Myers L, Whelton PK. Dietary fiber intake and reduced risk of coronary heart disease in US men and women. Arch Intern Med. 2003; 163:1897-1904.
15. Vupputuri S, Batuman V, Muntner P, **Bazzano LA**, Lefante JJ, Whelton PK, He J. Effect of blood pressure on early decline in kidney function among hypertensive men. Hypertension. 2003; 42:1144-1149.
16. Vupputuri S, Batuman V, Muntner P, **Bazzano LA**, Lefante JJ, Whelton PK, He J. The risk for mild kidney function decline associated with illicit drug use among hypertensive men. Am J Kidney Dis. 2004; 43:629-35.
17. **Bazzano LA**, Serdula MK, Liu S. Prevention of type 2 diabetes by diet and lifestyle modification. J Am Coll Nutr. 2005; 24: 310-319.
18. **Bazzano LA**, Song Y, Bubes V, Good CK, Manson JE, Liu S. Dietary intake of whole and refined grain breakfast cereals and weight gain in men. Obes Res. 2005; 13:1952-1960.
19. **Bazzano LA**, Reynolds K, Holder K, He J. Effect of folate supplementation on risk of cardiovascular diseases: a meta-analysis of randomized controlled trials. JAMA. 2006; 296:2720-2726.
20. **Bazzano LA**, Khan Z, Reynolds K, He J. Effect of nocturnal nasal continuous positive airway pressure on blood pressure in obstructive sleep apnea. Hypertension. 2007; 50: 1-7
21. He J, Reynolds K, Chen J, Chen CS, Duan X, Reynolds R, **Bazzano LA**, Whelton PK, Gu D. Cigarette smoking and erectile dysfunction among Chinese men without clinical vascular disease. Am J Epidemiol. 2007; 166:803-809.
22. **Bazzano LA**, Gu D, Reynolds K, Wu X, Chen CS, Duan X, Wildman RP, Klag MJ, He J. Alcohol consumption and risk of stroke among Chinese men. Annals of Neurology. 2007; 62: 569-578.
23. Reilly KH, Gu D, Duan X, Wu X, Chen CS, Huang J, Kelly TN, Chen J, **Bazzano LA**, He J. Risk factors for chronic obstructive pulmonary disease mortality in Chinese adults. Am J Epidemiol. 2008; 167:998-1004.
24. Wildman RP, Gu D, Muntner P, Wu X, Reynolds K, Duan X, Chen CS, Huang G, **Bazzano LA**, He J. Trends in overweight and obesity in Chinese adults: 1991 to 1999-2000. Obesity. 2008; 16:1448-1453.

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26. Zhang Y, Reilly KH, Tong W, Xu T, Chen J, **Bazzano LA**, Qiao D, Ju Z, Chen CS, He J. Blood pressure and clinical outcome among patients with acute stroke in Inner Mongolia, China. J Hypertens. 2008; 26: 1446-52.
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30. Chen J, Gu D, Jaquish CE, Chen CS, Rao DC, Liu D, Hixson JE, Hamm LL, Gu CC, Whelton PK, He J; **GenSalt Collaborative Research Group**. Association between blood pressure responses to the cold pressor test and dietary sodium intervention in a Chinese population. Arch Intern Med. 2008; 168: 1740-6.
31. Riccioni G, Capra V, D'Orazio N, Bucciarelli T, **Bazzano LA**. Leukotriene modifiers in the treatment of cardiovascular diseases. J Leukoc Biol. 2008; 84:1374-8.
32. Riccioni G, Bucciarelli T, D'Orazio N, Palumbo N, di Illio E, Corradi F, Penneli A, **Bazzano LA**. Plasma antioxidants and asymptomatic carotid atherosclerotic disease. Ann Nutr Metab. 2008; 53:86-90.
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38. Kelly TN, Rice TK, Gu D, Hixson JE, Chen J, Liu D, Jaquish CE, **Bazzano LA**, Hu D, Ma J, Gu CC, Huang J, Hamm LL, He J. Novel genetic variants in the alpha-adducin and guanine nucleotide binding protein beta-polypeptide 3 genes and salt sensitivity of blood pressure. Am J Hypertens. 2009; 22: 985-92.
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43. He J, Gu D, Chen J, Wu X, Kelly TN, Huang JF, Chen JC, Chen CS, **Bazzano LA**, Reynolds K, Whelton PK, Klag MJ. Premature deaths attributable to blood pressure in China: a prospective cohort study. Lancet. 2009; 374:1765-72.
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47. Soliman EZ, Prineas RJ, Go AS, Xie D, Lash JP, Rahman M, Ojo A, Teal VL, Jensvold NG, Robinson NL, Dries DL, **Bazzano L**, Mohler ER, Wright JT, Feldman HI; Chronic Renal Insufficiency Cohort (CRIC) Study Group. Chronic kidney disease and prevalent atrial fibrillation: the Chronic Renal Insufficiency Cohort (CRIC). Am Heart J. 2010;159:1102-7.

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51. **Bazzano LA**, Belame S, Patel DA, Chen W, Srinivasan S, McIlwain E, Berenson GS. Obesity and left ventricular dilatation in young adulthood: The Bogalusa Heart Study. Clin Cardiol. 2011;34:153-9.
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53. Rubinstein AL, Irazola VE, Poggio R, **Bazzano L**, Calandrelli M, Lanas Zanetti FT, Manfredi JA, Olivera H, Seron P, Ponzo J, He J. Detection and follow-up of cardiovascular disease and risk factors in the Southern Cone of Latin America: the CESCAS I study. BMJ Open. 2011 Jan 1;1:e000126.
54. Khan N, Abbas AM, Whang N, Balart LA, **Bazzano LA**, Kelly TN. Incidence of liver toxicity in inflammatory bowel disease patients treated with methotrexate: A meta-analysis of clinical trials. Inflamm Bowel Dis. 2011 Jul 12. doi:10.1002/ibd.21820. [Epub ahead of print]
55. Thompson AM, Zhang Y, Tong W, Xu T, Chen J, Zhao L, Kelly TN, Chen C-S, **Bazzano LA**, He J. Association of inflammation and endothelial dysfunction with metabolic syndrome, prediabetes and diabetes in adults from Inner Mongolia, China. BMC Endocrine Disorders 2011;11:16.
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60. Akkina SK, Ricardo AC, Patel A, Das A, **Bazzano LA**, Brecklin C, Fischer MJ, Lash JP. Illicit drug use, hypertension, and chronic kidney disease in the US adult population. Transl Res. 2012;160:391-8.
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64. Zhao Q, **Bazzano LA**, Cao J, Li J, Chen J, Huang J, Chen J, Kelly TN, Chen CS, Hu D, Ma J, Rice TK, He J, Gu D. Reproducibility of blood pressure response to the cold pressor test: the GenSalt Study. Am J Epidemiol. 2012 Oct 1;176 Suppl 7:S91-8.
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44. Abbas A, Shores NJ, Medvedev SF, **Bazzano L**, Medvedev S, Balart LA. Trends in treatment of hepatocellular carcinoma: Analysis of a nationwide inpatient database. International Liver Congress of the European Association for the Study of the Liver, April 18-22, 2012, Barcelona, Spain.

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45. Abbas A, Shores NJ, Medvedev SF, **Bazzano L**, Medvedev S, Balart LA. Sites and survival of metastatic hepatocellular carcinoma: Analysis of a nationwide inpatient database. International Liver Congress of the European Association for the Study of the Liver, April 18-22, 2012, Barcelona, Spain.
46. Fischer MJ, Ricardo AC, Jordan N, Diamantidis CJ, Xie D, Teal VL, Anderson AH, **Bazzano L**, Chen J, Kusek JW, Yaffe K, Powe NR, and Lash JP, Brown J for the CRIC Study Group. Depressive Symptoms and Health Outcomes among Patients with Chronic Kidney Disease: Findings from the Chronic Renal Insufficiency Cohort (CRIC) Study. Presented at the American Society of Nephrology, Renal Week 2012, October 30-November 4th, San Diego, CA.
47. Bertisch S., Thompson AM, **Bazzano LA**, Patel SR, Kaptchuk TJ, Smetana GW. The placebo effect on sleepiness in obstructive sleep apnea: A meta-analysis of randomized controlled trials. Annual Meeting of the Associated Professional Sleep Societies, June 9-13, 2012, Boston, MA, Poster #0587
48. Jamil I, Baijnath C, **Bazzano L**, Anderson D. Chylous ascites in a patient with autism. 14th Annual Southern Hospital Medicine Conference (2013) Abstract. Ochsner J. Spring 2014;14(1);e11.
49. Jamil I, Lee J, Shaw J, **Bazzano L**. Coma as you are: depression or hypothyroidism? 14th Annual Southern Hospital Medicine Conference (2013) Abstract. Ochsner J. Spring 2014;14(1);e11.
50. Jamil I, **Bazzano L**, Meadows R, An Q. Retrospective analysis of systemic-level factors associated with severe inpatient hypoglycemia. 14th Annual Southern Hospital Medicine Conference (2013) Abstract. Ochsner J. Spring 2014;14(1);e21.
51. Hu T, Jacobs D., Nettleton J, Steffen L, Bertoni A, He J, **Bazzano LA**. Low-carbohydrate diets and incidence, prevalence, and progression of coronary artery calcium in the Multi-Ethnic Study of Atherosclerosis (MESA). American Heart Association Epidemiology and Prevention/Nutrition, Physical Activity and Metabolism 2014 Scientific Sessions, March 20, 2014, San Francisco, California. Poster # P329.
52. Hu T, Bertisch S, Chen W, Gustat J, Webber L, Li S, **Bazzano LA**. Patterns of Childhood Obesity and Relation to Middle-Age Sleep Apnea Risk: The Bogalusa Heart Study. American Heart Association Epidemiology and Prevention/Nutrition, Physical Activity and Metabolism 2014 Scientific Sessions, March 18, 2014, San Francisco, California. Poster # P103.
53. Hu T, Bertisch S, Chen W, Gustat J, Webber L, Li S, **Bazzano LA**. Change in Measures of Adiposity in Young Adulthood and Middle-Age Sleep Apnea Risk: The Bogalusa Heart Study. American Heart Association Epidemiology and Prevention/Nutrition, Physical Activity and Metabolism 2014 Scientific Sessions, March 18, 2014, San Francisco, California. Poster # P104.
54. Breault J, **Bazzano L**, Gaudreau S. IRB Education Using Edward Tufte's Insights. 2014 AAHRPP Conference: Quality Human Research Programs "Leading the Way: From the Essentials to the Cutting Edge", April 23, 2014, Salt Lake City, Utah.

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55. Hu T, Stuchlik P, Yao L, Reynolds K, Whelton P, He J, **Bazzano L**. Adherence to Low Carbohydrate and Low Fat Diets in Relation to Weight Loss and Cardiovascular Risk Factor Reduction. Circulation. 2015;131:AMP26.
56. Hu T, Bertisch S, Chen W, Harville E, Redline S, **Bazzano L**. Duration of Childhood Obesity and Relation to Middle-Age Obstructive Sleep Apnea Risk: The Bogalusa Heart Study. American Heart Association Epidemiology and Prevention/Lifestyles and Cardiometabolic Health 2015 Scientific Sessions, March 3, 2015, Baltimore, Maryland. Poster # P139.
57. Zhao Q, Yang W, **Bazzano L**, Whelton P, Chen C, Xiao J, He J. Potential Impact of the 2014 High Blood Pressure Guideline on Adults in China and the US. American Heart Association Epidemiology and Prevention/Lifestyles and Cardiometabolic Health 2015 Scientific Sessions, March 3, 2015, Baltimore, Maryland. Poster # P205.
58. Hu T, Bertisch S, Chen W, Harville E, Redline S, **Bazzano L**. Risk of Sleep Apnea and Subclinical Cardiovascular Disease in Young-to-Middle Aged Adults: The Bogalusa Heart Study. American Heart Association Epidemiology and Prevention/Lifestyles and Cardiometabolic Health 2015 Scientific Sessions, March 3, 2015, Baltimore, Maryland. Abstract # MP68.
59. Rebholz CM, Anderson CA, Grams ME, **Bazzano LA**, Crews DC, Chang AR, Coresh J, Appel LJ. Abstract 10922: Relationship of the AHA Impact Goals (Life's Simple 7) With Risk of Chronic Kidney Disease: Results From the ARIC Cohort Study. Circulation. 2015;132:A10922.
60. Stuchlik P, Allen N, Harville E, Chen W, **Bazzano L**. Abstract 18557: Cardiovascular Risk Factor Trajectories From Childhood to Adulthood and Depression in Middle Age: The Bogalusa Heart Study. Circulation. 2015;132:A18557.
61. Pollock BD, Chen W, Harville EW, Zhao Q, **Bazzano LA**. Anger during young adulthood increases coronary heart disease risk. Circulation. 2016;133:AP208
62. Pollock BD, Stuchlik P, Fernandez C, Barshop R, Hussain A, Shu T, Guralnik JM, Gustat J, Webber LS, Chen W, Harville EW, **Bazzano LA**. Effect of life-course interactions between sex, age, and lipoprotein profiles on mid-life physical performance. Circulation. 2016;134:A18837
63. Kelly T, Ajami NJ, **Bazzano LA**, Zhao J, Petrosino J, He J. Gut Microbiota Diversity and Specific Microbial Genera Associate with Cardiovascular Disease Risk. Circulation. 2016;133(Suppl_1):AP255
64. Pak KJ, Seoane L, Bakker JP, Bertisch S, Pham C, McNaughton N, Park J, Severensin K, **Bazzano LA**. Effect of Mobile Health Technology on Positive Airway Pressure Adherence in Patients with Sleep Apnea. American Thoracic Society 2016 International Conference. (Thematic Poster Session May 16, 2016). Am J Respir Crit Care Med. 193;2016:A4185.
65. Pollock BD, Stuchlik P, Fernandez C, Barshop R, Hussain A, Shu T, Guralnik JM, Gustat J, Webber LS, Chen W, Harville EW, **Bazzano LA**. Life-course interaction between fasting

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blood glucose and body mass index affects mid-adulthood physical performance. ADA 76th Scientific Sessions 2016. Abstract #198-LB (Late Breaking Poster Session, June 12th, 2016)

66. Williams L, Peacock E, **Bazzano L**, Sarpong D, Krousel-Wood MA. Sex-race differences in correlates of complementary and alternative medicine use among hypertensive older adults. Southern Society for Clinical Investigation Regional Meeting. New Orleans. February 2017.
67. Williams L, Peacock E, **Bazzano L**, Sarpong D, Krousel-Wood MA. Association between antihypertensive medication class and complementary and alternative medicine use among older adults. American Pharmacists Association Annual Meeting. March 2017.
68. Pollock BD, Stuchlik P, Shu T, Guralnik JM, Gustat J, Webber LS, Chen W, Harville EW, **Bazzano LA**. Relationship of global cardiovascular risk and physical performance in a mid-life, bi-racial cohort. Innovation in Aging. 2017; <https://doi.org/10.1093/geroni/igx004.2899> IAGG.
69. Pollock BD, Stuchlik P, Guralnik JM, Bertisch SM, Redline S, Chen W, Harville EW, **Bazzano LA**. Relationship between Daytime Sleepiness and Poor Physical Performance in Middle-aged Adults of the Bogalusa Heart Study. Circulation. 2017;135:AMP088
70. Stuchlik P, Fonesca V, Carmichael OT, Gunn W, **Bazzano L**. Stronger Association Between Type 2 Diabetes and Cognition Over Time. Alzheimer's & Dementia: The Journal of the Alzheimer's Association. Vol 13, Issue 7, July 2017. P1418-P1419.
71. Sun X, Gustat J, Bertisch S, Redline S, **Bazzano L**. Association Between Sleep Chronotype, Duration and Obesity in the Bogalusa Heart Study. 35th Annual Scientific Meeting of the Obesity Society. 2017. Poster: T-P-3135. October 31, 2017.
72. Inge T, Coley RY, **Bazzano L**, Xanthakos S, McTigue K, Arterburn D, Williams N, Wellman R, Coleman K, Courcoulas A, Desai N, Anau J, Pardee R, Toh D, Janning C, Cook A, Sturtevant J, Horgan C, Zebrick A, Michalsky M. Comparative Effectiveness of Bariatric Procedures Among Adolescents: The PCORnet Bariatric Study. 35th Annual Scientific Meeting of the Obesity Society. 2017. Poster: T-P-3220. November 1, 2017.
73. Stuchlik P, Gunn W, Pollock B, Barshop R, Qi L, Chen W, Harville E, **Bazzano L**. Variability in Body Mass Index During Childhood Is Associated With Mid-Life Cognition. 35th Annual Scientific Meeting of the Obesity Society. 2017. Poster: T-P-3407. November 2, 2017.
74. Stuchlik P, Pollack B, Chen W, Harville E, **Bazzano L**. Sleep Duration and Subclinical Measures of Atherosclerosis in a Bi-Racial Cohort. Circulation. 2017 Nov 14;136(Suppl_1): A19286.
75. Zachariah JP, Fernandez C, Barshop R, Harville E, Chen W, Bazzano L. Associations of Childhood Traits to Adult Aortic Stiffness and Left Ventricular Hypertrophy Vary by Race. Circulation. 2017 Nov 14;136(Suppl_1): A21383.

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76. Pollack BD, Hu T, Raitakari OT, Burns TL, Sinaiko AR, Magnussen CG, Urbina EM, Woo JG, Steinberger J, Juonala M, Venn A, Daniela SR, Dwyer T, Jacobs DR, **Bazzano LA**. Life-course Cardiovascular Risk Mobility in the International Childhood Cardiovascular Cohort (i3C) Consortium. Circulation. 2018 March 20;137(Suppl_1):A027.
77. Nierenberg JL, He J, Li C, Li S, **Bazzano LA**, Chen W, Kelly TN. Serum Metabolites Associate with Kidney Function Among Bogalusa Heart Study Participants. Circulation. 2018 March 20;137(Suppl_1):AMP11.
78. Zhang T, Li S, **Bazzano L**, He J, Whelton P, Chen W. Trajectories of Childhood Blood Pressure and Adult Left Ventricular Hypertrophy: The Bogalusa Heart Study. Circulation. 29 Jun 2018;137(Suppl_1): AP097.
79. He W, Li C, Mi X, Li S, **Bazzano L**, Chen W, He J, Kelly T. Serum Metabolites Associate With Blood Pressure Phenotypes in the Bogalusa Heart Study. Circulation. 2018 March 20;137(Suppl_1): AP203.
80. Li S, Li C, Kelly TN, Gu X, Sun X, **Bazzano L**, Chen W, Whelton PK, He J. Non-targeted Metabolomics Study Identify Multiple Metabolites Associated With Body Mass Index. Circulation. 2018 March 20;137(Suppl_1): AP202.
81. Li C, He J, Li S, Chen W, **Bazzano L**, Sun X, Shen L, Gu X, Kelly T. Metabolomics Associated With Augmentation Index and Pulse Wave Velocity: Findings From the Bogalusa Heart Study. Circulation. 2018 March 20;137(Suppl_1): AMP65
82. Ogilvie RP, **Bazzano L**, Gustat J, Harville E, Patel SR. Sleep Duration and Measures of Obesity in a Biracial Cohort: The Bogalusa Heart Study. Am J Respir Crit Care Med. 2018;197: A7289
83. Stuchlik P, Carmichael O, Harville EW, He H, Romero M, Gustat J, Fonseca V, **Bazzano LA**. Life-course glucose trajectory and cognitive function in middle age – evidence from the Bogalusa Heart Study. ADA 78th Scientific Sessions 2018. Abstract #1474-P, June 23, 2018
84. Hu T, Sinaiko A, Woo J, Burns T, Steinberger J, **Bazzano L**, Urbina E, Zhang N, Magnussen C, Venn A, Juonala M. Abstract P207: An Interpretation-Friendly Approach for Model Comparison of Risk Scores for Adult Obesity in the International Childhood Cardiovascular Cohort (I3c) Consortium. AHA Epidemiology Meeting 2018.
85. Khoury M, Khoury P, Hu T, Widome R, **Bazzano LB**, Burns TL, Daniels SR, Dwyer T, Ikonen J, Juonala M, Kähönen M. Abstract P055: Evaluating the Impact of the New Pediatric Clinical Practice Guideline on the Prevalence of Pediatric Hypertension and Associations With Adult Hypertension: The International Childhood Cardiovascular Cohort (i3C) Consortium. Circulation. 2019 Mar 5;139(Suppl_1):AP055.
86. Cleland V, Tian J, Buscot MJ, Magnussen C, **Bazzano LA**, Burns TL, Daniels SR, Dwyer T, Jacobs DR, Juonala M, Prineas RJ. Abstract MP66: Body Mass Index Trajectories From Childhood to Adulthood: Evidence From the International Childhood Cardiovascular Cohort (i3C) Consortium. Circulation. 2019 Mar 5;139(Suppl_1):AMP66.

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87. Shi M, **Bazzano LA**, He J, Gu X, Li C, Li S, Yaffe K, Kinchen JM, Stuchlik P, Mi X, Nierenberg JL. Novel serum metabolites associate with cognition phenotypes among Bogalusa Heart Study participants. Aging (Albany NY). 2019 Jul 31;11(14):5124.
88. Chukwurah QC, **Bazzano L**. Body types and association with depressive symptoms among older adults: Findings from NHANES 2013-2016. Innovation in Aging. 2019 Nov;3(Suppl 1): S270.
89. Razavi AC, Fernandez Alonso C, Kelly TN, He J, Potts KS, Whelton SP, **Bazzano LA**. Pooled Cohort Equations-Derived Heart Failure Risk Score Predicts Cardiovascular and all-cause mortality in US adults: The NHANES III Follow-Up Study. Circulation. 2019 Nov 19; 140 (Suppl_1): A17113-.
90. Razavi AC, Wong ND, Budoff MJ, **Bazzano LA**, Kelly TN, He J, Fernandez Alonso C, Lima JA, Polak JF, Mongraw-Chaffin ML, Szklo M. Predictors of Healthy Arterial Aging in Persons with metabolic syndrome and diabetes: The Multi-Ethnic Study of Atherosclerosis. Circulation. 2019 Nov 19; 140 (Suppl_1): A15034.
91. Fernandez C, Razavi A, Barshop R, Guo Y, **Bazzano LA**. Life course determinants of adult diastolic function: Insights from the Bogalusa Heart Study. Circulation. 2019 Nov 19; 140 (Suppl_1): A17257.
92. Guo Y, Fernandez C, Razavi A, Barshop R, **Bazzano LA**. Impact of excessive birth weight on body Mass Index Growth Trajectories Over the Life Course: The Bogalusa Heart Study. Circulation. 2019 Nov 19;140(Suppl_1): A17241.
93. Razavi AC, Fernandez C, **Bazzano LA**, He J, Krousel-Wood MA, Nierenberg J, Shi M, Li C, Mi X, Li S, Kinchen J. Abstract P1125: Serum Metabolite 1-Methylhistidine, a Marker of Red Meat and Poultry Consumption, Independently Associates With Increases in Systolic and Diastolic Blood Pressure in Middle-Aged Adults. Hypertension. 2019 Sep; 74(Suppl_1): AP1125.

Other - Doctoral Dissertation

Bazzano LA. Diet and the Risk of Cardiovascular Disease among U.S. Adults. Tulane University School of Public Health and Tropical Medicine, New Orleans, LA. Doctor of Philosophy, 2000.

PRESENTATIONS

Invited Presentations and Workshops

1. “A Big-Picture Snapshot of Pasta and its Partners on the Plate”. Invited presentation: Nutrition Science, Pasta Meals, and the Healthy Mediterranean Diet. Oldways Preservation Trust, Rome, Italy. February 16-18, 2004.

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2. "Health Effects of Fruits and Vegetables on Risk of CVD and Diabetes". Invited presentation: Joint World Health Organization-Food and Agriculture Organization Workshop on Fruits and Vegetables, Kobe, Japan. June 23-25, 2004.
3. "Health Aspects of Vegetables and Fruits: Scientific Evidence for 5-a-day". Invited presentation: 10th Annual Karlsruhe Nutrition Congress, Karlsruhe, Germany. October 15-17, 2006.
4. "Micronutrients in Cardiovascular Disease: Current Recommendations". Invited presentation: 48th Annual Meeting of the American College of Nutrition, Orlando, FL. September 27-30, 2007.
5. "Epidemiological Evidence for the Effects of Fruits and Vegetables on Cardiovascular Disease and Diabetes". Seminar presented to faculty and staff of Pennington Biomedical Research Center, Baton Rouge, LA, May 9, 2007.
6. "Folic Acid Supplementation: A Tale of Two Studies" Invited presentation: Internal Medicine Grand Rounds, Tulane University Department of Medicine, New Orleans, LA, January 30th, 2008.
7. "Folic Acid Supplementation and Cardiovascular Disease: State of the Art Update." Invited presentation: Southern Regional Meetings, New Orleans, LA, February 12-14, 2009.
8. "Folic Acid Supplementation in Cardiovascular Disease" Invited presentation: Cardiology Grand Rounds, Tulane University Department of Medicine, Division of Cardiology, New Orleans, LA, March 4, 2009.
9. "What's New in the Art and Science of Teaching Evidence-based Medicine (EBM)?": A 2008 Update for Teachers of EBM". Workshop presented at the 32nd Annual Meeting of the Society of General Internal Medicine, Miami Beach, FL, May 15, 2009. CME Offered
10. "Folic Acid Intervention Studies". Invited Presentation: Max-Rubner Institute Conference, Karlsruhe, Germany. October 11-13, 2009.
11. "Trials of Folic Acid Supplementation in Cardiovascular Disease". Invited Presentation: China Heart Congress and International Heart Forum, Beijing, China. August 12-15, 2010.
12. "Low Carbohydrate Diet and Cardiovascular Disease Risk Factors". Seminar presented to faculty and staff of Pennington Biomedical Research Center, Baton Rouge, LA, May 24, 2012.
13. "Management of Cardiovascular Disease Risk Post-MI and in my Chest Pain (Rule Out) Patients". Invited Presentation: 13th Annual Southern Hospital Medicine Conference, Atlanta, GA. October 24-27, 2012.
14. "Management of Acute Hypertension in the Hospital" Invited Presentation: 14th Annual Southern Hospital Medicine Conference, New Orleans, LA. November 7-9th, 2013.

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15. “Fat Is Not the Enemy: Why High Fat Diets May Be Good for Your Waistline and Your Heart” Invited Presentation: Distinguished Lecture Health Sciences Research Day, Tulane University, New Orleans, LA, March 26th, 2015.
16. “Low Carbohydrate Diets, Weight Loss and Heart Health” Invited Presentation: Rutgers University Department of Nutrition. New Brunswick, NJ. April 16th, 2015.
17. “Overview of the Bogalusa Heart Study and Recent Results” Invited Presentation: University of Alabama Birmingham, Department of Epidemiology. Birmingham, AL. May 6th, 2015.
18. Moderator, American Heart Association Epidemiology Conference, Life-course Epidemiology Session, Thursday, March 22nd, 2018, New Orleans, LA.

CURRENT RESEARCH GRANT PARTICIPATION

| | |
|-------------------------|--|
| Role: | Site PI (Subcontract from Northwestern University at Chicago) |
| Project: | PROMote weight loss in obese PAD patients to preVENT mobility loss: the PROVE Trial |
| Period of Support: | 04/01/2019- 03/31/2024 |
| Funding Source: | NIH/NHLBI (UG3HL141729) |
| Funding Level: | \$3,019,993 |
| Principal Investigator: | Mary McGrae McDermott, MD |
| Objectives: | The proposed study will randomize 212 participants with peripheral arterial disease (PAD) and BMI > 28 kg/m ² to one of two groups: weight loss + exercise (WL+EX) vs. exercise alone (EX). Participants will be randomized at three field centers: Northwestern University, University of Minnesota, and Tulane. Our primary outcome is change in six-minute walk distance at 12-month follow-up. Secondary outcomes are change in six-minute walk distance at 6-month follow-up, walking exercise adherence, and change in physical activity, patient-reported walking ability (measured by the Walking Impairment Questionnaire), and quality of life (measured by the SF12 Physical Component Score). |
| Role: | Principal Investigator |
| Project: | Lifespan Cardiovascular Risk Exposures and Alzheimer-related Brain Health: The Bogalusa Heart Study |
| Period of Support: | 07/01/2019-06/30/2024 |
| Funding Source: | NIH/NIA (2R01AG041200) |
| Funding Level: | \$3,715,021.00 |
| Principal Investigator: | Lydia Bazzano, MD, PhD (contact PI) MPI: Owen Carmichael, PhD |
| Objectives: | The proposed study will examine how cardiovascular risk factors (CVRF) and cumulative exposure to CVRF across the life-course influence Alzheimer-related indicators of brain health including performance on a standardized neurocognitive battery, transcranial doppler ultrasound, cerebral blood flow and oxygenation, 3T brain MRI and, in a subset, amyloid PET scanning, among participants in the Bogalusa Heart Study. |

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Role: Principal Investigator
 Project: **Early Life Glycemic Status and Alzheimer's Disease Neuroimaging Markers in Middle Age: The Bogalusa Heart Study**
 Period of Support: 12/01/2018-11/30/2023
 Funding Source: NIH/NIA (R01AG062309)
 Funding Level: \$3,608,663
 Principal Investigator: Lydia Bazzano, MD, PhD (contact PI) MPI: Owen Carmichael, PhD
 Objectives: This project will use neuroimaging and cognitive testing to explore long-term cognitive outcomes among Bogalusa Heart Study participants associated with high-normal early-life mean fasting plasma glucose, as well as Alzheimer's Disease-related neurobiological substrates for these outcomes in a subset of participants will also undergo 3T brain MRI and amyloid PET.

Role: Principal Investigator

Project: **A Novel Research Infrastructure Enabling Life-course Studies of Healthy Aging**
 Period of Support: 08/15/2018-07/31/2023
 Funding Source: NIH/NIA R21/R33 Phased Innovation Award (R21AG057983)
 Funding Level: \$2,743,499
 Principal Investigator: Lydia Bazzano, MD, PhD (contact PI) MPI: Elaine Urbina, Jessica Woo
 Objectives: The overall objective of this proposal is to develop and enhance a novel research infrastructure that will advance the science of aging in the area of early life and childhood protective factors that contribute to "successful" aging. In the R21 phase, we will catalog and consolidate biorepositories across three cohorts, and in the R33 phase, we will demonstrate the feasibility of remote measurement methods.

Role: Principal Investigator
 Project: **The Role of Vascular Aging in Cognitive and Physical Function**
 Period of Support: 09/01/2012-11/30/2018 No Cost Extension
 Funding Source: NIA (R01AG041200)
 Funding Level: \$ 2,399,927
 Principal Investigator: Lydia A. Bazzano, MD, PhD
 Objectives: This project will examine the role of vascular aging, lifestyle and diet in maintenance of cognitive and physical performance by recruiting 1,257 participants in the Bogalusa Heart Study who will undergo cognitive function, physical function and cardiovascular risk factor examination at baseline and again 2 years later at follow-up.

Role: Principal Investigator
 Project: **A tRial of the ideal protein system versus low fat diet for weight Loss: RENEWAL**
 Period of Support: 01/01/2018-12/31/2019
 Funding Source: Ideal Protein of America, Inc.
 Funding Level: \$432,125

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Principal Investigator: Lydia A. Bazzano, MD, PhD
 Objectives: RENEWAL is a randomized controlled clinical trial examining the effects of a restricted carbohydrate, optimal protein (Ideal Protein) diet as compared to a guideline-based, low-fat, restricted calorie diet on changes in body weight, composition, traditional and CVD risk factors.

Role: Co-Investigator
 Project: **Tulane Building Interdisciplinary Research Careers in Women's Health (BIRCHW)**
 Period of Support: 09/26/2002-07/31/2023
 Funding Source: NIH/ K12HD043451
 Funding Level: \$2,693,710
 Principal Investigator: Marie Krousel-Wood, MD
 Objectives: The Tulane BIRCWH Program provides mentored career development for junior faculty to increase the number of highly trained independent investigators in sex/ gender differences and women's health in the field of cardiovascular and related diseases.

Role: Co-Investigator (Subcontract from Children's Hospital Medical Center)
 Project: **Childhood CV Risk and Adult CVD Outcomes: an International Long-term Follow-up**
 Period of Support: 12/01/2014-11/30/2019
 Funding Source: NIH/NHLBI (R01HL121230)
 Funding Level: \$10,561,912
 Principal Investigator: Jessica Woo, PhD
 Objectives: This research is a multicenter study of international longitudinal cohort studies (Bogalusa, Louisiana; Minneapolis, Minnesota; Muscatine, Iowa; Cincinnati, Ohio; Princeton, Ohio; Australia and Finland). The study leverages the existing collaborative structure to assess the relation of childhood and adolescent cardiovascular risk factors to adult endpoints.

Role: Co-Investigator
 Project: **Tulane COBRE for Clinical and Translational Research in Cardiometabolic Diseases**
 Period of Support: 03/10/2016-02/28/2021
 Funding Source: NIH/NIGM (P20GM109036)
 Funding Level: \$13,330,930
 Principal Investigator: Jiang He, MD, PhD
 Objectives: The overall objective of this COBRE application is to increase the quality and quantity of clinical, translational and implementation research in cardiometabolic diseases at Tulane University. Role:

Role: Site PI (Subcontract from Northwestern University at Chicago)
 Project: **Improve PAD Performance with Metformin: The PERMET Trial**
 Period of Support: 03/01/2018-11/30/2019
 Funding Source: NIH/NHLBI (R01HL131771)
 Funding Level: \$2,974,184

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Principal Investigator: Mary McGrae McDermott
 Objectives: The PERMET trial is a placebo controlled double-blind randomized clinical trial to establish whether metformin (2,000 mgs daily) improves and/or prevents decline in walking performance in people with peripheral artery disease (PAD).

Role: Site PI (Subcontract from Northwestern University at Chicago)
 Project: **TElmisartan plus EXercise to improve functioning in PAD: The TELEX Trial**

Period of Support: 03/01/2018-04/30/2019
 Funding Source: NIH/NHLBI (R01HL126117)
 Funding Level: \$2,933,532
 Principal Investigator: Mary McGrae McDermott
 Objectives: TELEX is a randomized controlled clinical trial designed to establish whether telmisartan improves walking performance in people with peripheral artery disease (PAD). The TELEX trial will also determine whether telmisartan plus supervised exercise improves walking performance more than either therapy alone.

Role: Co-investigator
 Project: **The Roles of the Microbiome and Metabolome in Vascular Aging**
 Period of Support: 09/01/2016-05/31/2019 (NCE)
 Funding Source: NIH/NIA (R21AG051914)
 Funding Level: \$263,375
 Principal Investigator: Tanika Kelly, PhD
 Objectives: To identify gut bacterial communities and metabolites influencing aging among 300 Bogalusa Heart Study participants. These findings may also be used to advance clinical and public health practice through the development of novel therapies for CVD and promotion of healthy aging.

PAST RESEARCH GRANT PARTICIPATION

Role: Principal Investigator
 Project: **Lifespan Cardiovascular Exposures and Risk of Brain Injury in the Bogalusa Heart Study**
 Period of Support: 1/01/2017 – 12/31/2018
 Funding Source: Louisiana Clinical and Translational Science Center - Pilot Project
 Funding Level: \$50,000
 Principal Investigator: Lydia Bazzano, MD, PhD
 Objectives: The goals of this project are to collect 3TMRI measures of brain health from members of the Bogalusa Heart Study, and to assess relationships between lifespan exposures to cardiovascular risk

Role: Co-Investigator

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Project: **Linking Health and Environmental Outcomes to Dietary Behaviours in the United States**
 Period of Support: 10/01/2015-08/31/2017
 Funding Source: Wellcome Trust (106854/Z/15/Z)
 Funding Level: \$624,997
 Principal Investigator: Diego Rose, PhD
 Objectives: The project aims to improve our understanding of how dietary choices influence health and environmental outcomes, and how such choices can be modified through public policy.

Role: Co-Investigator (Subcontract via Louisiana Public Health Institute)
 Project: **PCORnet Bariatric Study**
 Period of Support: 10/01/2015-09/30/2017
 Funding Source: PCORI OBS150530683
 Funding Level: \$4,568,390
 Principal Investigator: David Arterburn, MD, MPH
 Objectives: 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.

Role: Co-Investigator
 Project: **Long-Term Burden of Maternal Cardiovascular Risk Factors and Birth Outcomes**
 Period of Support: 08/05/2012-06/30/2017
 Funding Source: NIH/NICHD (R01HD069587)
 Funding Level: \$1,538,429
 Principal Investigator: Emily Harville, PhD
 Objectives: The overall objective with this project is to determine the relationship between pre-pregnancy cardiovascular risk, from childhood through early adulthood, and birth outcomes.

Role: Co-Investigator
 Project: **Childhood Secondhand Smoke and Longitudinal Cardiovascular Risk Profile**
 Period of Support: 09/17/2012-06/30/2015
 Funding Source: NIEHS (R01ES021724)
 Funding Level: \$1,203,299
 Principal Investigator: Wei Chen, MD, PhD
 Objectives: The major goal is to study childhood secondhand smoke exposure and its impact on cardiovascular disease risk from childhood to adulthood within a black-white population using a longitudinal cohort.

Role: Subcontract, Co-Investigator
 Project: **South American Center of Excellence in Cardiovascular Health**
 Period of Support: 06/08/2009-06/07/2014
 Funding Source: NHLBI (HHSN268200900029C)
 Funding Level: \$5,270,206

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Principal Investigator: Adolpho Rubenstein, MD
 Objectives: The objective of the South American Center of Excellence in Cardiovascular Health (SACECH) is to establish a cohort in the Southern Cone of Latin America in order to (1) estimate the prevalence, distribution, and secular trend of major CVD and risk factors in the Southern Cone, (2) examine the association between traditional and novel CVD risk factors and incidence, (3) assess the burden of CVD, and (4) identify future interventions

Role: Co-Investigator
 Project: **Clinical Center for Prospective Cohort Study of CRI**
 Period of Support: 09/28/2001-04/30/2013
 Funding Source: NIDDK (U01DK060963)
 Funding Level: \$4,402,718
 Principal Investigator: Jiang He, MD, PhD
 Objectives: The major goals of this project are to examine risk factors for the progression of renal disease and development of cardiovascular disease in patients with chronic renal insufficiency.

Role: Co-Investigator
 Project: **Research Training in Gene-Environment Interaction in China**
 Period of support: 07/01/2012—06/30/2017
 Funding source: Fogarty International Center (D43 TW009107)
 Funding level: \$1,343,470
 Principal Investigator: Jiang He, MD, PhD
 Objectives: This joint training program of the Tulane University and Tropical Medicine and the Chinese Academy of Medical Sciences and Peking Union Medical College, and the National Center for Cardiovascular Diseases of China aimed to provide research training in gene-environment interaction in chronic diseases across the lifespan in China.

Role: Co-Investigator
 Project: **Comprehensive Approach for Hypertension Prevention and Control in Argentina**
 Period of support: 04/01/2012 –03/31/2017
 Funding source: NHLBI (1U01HL114197-01)
 Funding level: \$2,218,017
 Principal Investigator: Jiang He, MD, PhD
 Objectives: The overall objectives of the proposed cluster randomized trial are to test whether a comprehensive intervention program within a national public primary care system will improve hypertension prevention and control among uninsured hypertensive patients and their families in Argentina.

Role: Principal Investigator
 Project: **Heritability and Genome-wide Linkage of Lipid Phenotypes**
 Period of Support: 09/15/2008-06/30/2012
 Funding Source: NHLBI (K08HL091108)

1/7/2020

Funding Level: \$458,800
 Principal Investigator: Lydia A. Bazzano, MD, PhD
 Objectives: The overall objectives of the proposed study are to investigate familial correlations, heritability, and major gene effects for serum lipid and lipoprotein phenotypes and investigate the role of quantitative trait loci by conducting genome-wide linkage analyses using 407 microsatellite markers.

Role: Junior Faculty Investigator
 Project: **Tulane COBRE in Hypertension and Renal Biology**
 Period of Support: 09/2007-08/2012
 Funding Source: NCRR (P20RR017659)
 Funding Level: \$12 million
 Principal Investigator: Louis Gabriel Navar, PhD
 Objectives: The objectives are to provide an enriched mentoring environment to junior faculty investigators so that they can achieve independent status and national competitiveness and to augment and strengthen biomedical research capacity at Tulane University Health Sciences Center and the State of Louisiana in hypertension and associated renal and cardiovascular disease.

Role: Co-Investigator
 Project: **Sodium Sensitivity and Risk of Hypertension**
 Period of Support: 07/01/2007-07/31/2012
 Funding Source: NHLBI (R01HL087263)
 Funding Level: \$2,834,971
 Principal Investigator: Jiang He, MD, PhD
 Objectives: The major objectives are to examine the relationship between blood pressure responses to dietary sodium and the risk of hypertension and to examine the association between biological candidate genes and the risk of hypertension.

Role: Principal Investigator
 Project: **Impact of Hurricane Katrina on Medication Adherence and Health Care Facility Utilization among Veterans**
 Period of Support: 11/15/2006-11/15/2011
 Funding Source: Tulane University Research Enhancement Fund-Phase II
 Funding Level: \$45,000
 Principal Investigator: Lydia A. Bazzano, MD, PhD
 Objectives: This project evaluates adherence of hypertensive veterans to medication regimens and use of health care facilities before and after Hurricane Katrina

Role: Primary Care Physician
 Project: **Primary Care Access Stabilization Grant**
 Period of Support: 09/2007-09/2010
 Funding Source: Louisiana Public Health Institute

1/7/2020

Funding Level: \$1,962,232
Principal Investigator: L. Lee Hamm, MD
Objectives: The objective of this project is to restore and expand access to primary care in the greater New Orleans area in the wake of Hurricane Katrina and its aftermath.

Role: Co-Principal Investigator
Project: **Comparison of Efficacy and Safety of NPH Insulin and Glargine Insulin**

Period of Support: 03/15/2007-06/15/2007
Funding Source: Eli Lilly & Co.
Funding Level: \$22,452
Principal Investigator: Lydia A. Bazzano, MD, PhD and Lizheng Shi, PharmD, PhD
Objectives: The major objective of this project is to perform meta-analysis to examine treatment effects, hypoglycemia, glycosylated hemoglobin, weight gain and doses between Neutral Protamine Hagedorn (NPH) insulin and glargine insulin among person with type II diabetes.

Role: Junior Faculty Scholar
Project: **Building Interdisciplinary Research Careers in Women's Health**
Period of Support: 07/01/2005-06/30/2007
Funding Source: ODS/NICHD (K12HD43451)
Funding Level: \$449,993
Principal Investigator: Paul K. Whelton, MD, MSc.
Objectives: This grant is designed to promote research and the transfer of research findings to clinical care that will benefit the health of women.