Protocol Details

Basic Info

Confirmation Number:	**dgigjgfc**
Protocol Number:	**851979**
Created By:	**ARIAS, SABRINA B**
Principal Investigator:	**SIMMONS, BETH A**
Protocol Title:	**Public Attitudes Toward Climate Migration**
Short Title:	**Public Attitudes Toward Climate Migration**
Protocol Description:	**This is a study about mass attitudes toward climate-driven migrants. Specifically, we aim to provide the first evidence on how people view climate migrants focusing on the American southeast, a particularly vulnerable area to the effects of climate disasters and sea-level rise. We will run survey in Florida, Louisiana, and Texas to estimate how individuals perceive migrants driven by climate change and related policies. The study will employ a volunteer/opt-in panel of 2800 respondents.**
Application Type:	**EXEMPT Category 2**

Resubmission*
No

Hospital Sites
Will any research activities and/or services be conducted at a Penn Medicine affiliated hospital site?
No

Study Personnel

Principal Investigator

Name:	**SIMMONS, BETH A**
Dept / School / Div:	**5600 - Law**
Campus Address Mail Code	**6204**
Address:	**LAW/LEWIS HALL** **3400 CHESTNUT ST**
City State Zip:	**PHILADELPHIA PA 19104-6204**
Phone:	**215-573-8018**
Fax:	
Pager:	
Email:	**simmons3@law.upenn.edu**
HS Training Completed:	**Yes**
Training Expiration Date:	
Name of course completed :	**CITI Protection of Human Subjects Research Training - ORA**
GCP Training Completed:	**No**
Training Expiration Date:	
Name of course completed :	

Study Contacts

Name:	**ARIAS, SABRINA B**
Dept / School / Div:	**119 - Political Science**
Campus Address Mail Code	
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Phone:	**609-651-1651**
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Pager:	
Email:	**sarias@sas.upenn.edu**
HS Training Completed:	**Yes**
Training Expiration Date:	
Name of course completed :	**CITI Protection of Human Subjects Research Training - ORA**
GCP Training Completed:	**No**
Training Expiration Date:	
Name of course completed :	

Other Investigator

Name:	**BLAIR, CHRISTOPHER W**
Dept / School / Div:	**200 - School of Arts and Sciences**
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Pager:	
Email:	**cwblair@sas.upenn.edu**
HS Training Completed:	**Yes**
Training Expiration Date:	
Name of course completed :	**CITI Protection of Human Subjects Research Training - ORA**
GCP Training Completed:	**No**
Training Expiration Date:	
Name of course completed :	

Responsible Org (Department/School/Division):

5600 - Law

Key Study Personnel

None

Disclosure of Significant Financial Interests*
Does any person who is responsible for the design, conduct, or reporting of this research protocol have a **FINANCIAL INTEREST**?
No

Penn Intellectual Property*
To the best of the Principal Investigator's knowledge, does this protocol involve the testing, development or evaluation of a drug, device, product, or other type of intellectual property (IP) that is owned by or assigned to the University of Pennsylvania?
No

Certification
I have reviewed the *Financial Disclosure and Presumptively Prohibited Conflicts for Faculty Participating in Clinical Trials* and the *Financial Disclosure Policy for Research and Sponsored Projects* with all persons who are responsible for the design, conduct, or reporting of this research; and all required Disclosures have been attached to this application.
Yes

HRPP

Human Source Material*
Does this research include collection or use of human source material (i.e., human blood, blood products, tissues or body fluids)? IF YES, consult the EHRS web site: www.ehrs.upenn.edu/programs/bio/bbpathogens.html for information on OSHA Bloodborne Pathogens requirements (training, vaccination, work practices and Exposure Control Plan). If you have questions, call 215-898-4453.
No

Image Guided Biopsies*
Does the research involve imaging guided biopsy? IF YES, please contact the Clinical Imaging Core. See https://www.med.upenn.edu/cbi for more details. Any questions should be directed to the Director of Research Operations, Dept of Radiology, Kathleen Thomas.
No

HIPAA / Protected Health Information
Does the research proposal involve accessing (viewing / using), collecting, or disclosing of protected health information (PHI) directly from participants or their medical or dental record for research purposes?
No

HIPAA / Protected Health Information
Does the research proposal involve accessing (viewing / using), collecting, or disclosing of protected health information (PHI) directly from participants or their medical or dental record for research purposes?
No

Remote Study Visits
Does the research proposal involve conducting research visits remotely via any type of video conferencing software?
No

Remote Study Visits
Does the research proposal involve conducting research visits remotely via any type of video conferencing software?
No

CHPS Resources*
Does the research involve CHPS resources?
No

HUP Inpatient Nursing Resources
Does this research include an inpatient admission at HUP?
No

Pathology and Laboratory Medicine Resources*
Will samples be collected by hospital phlebotomy and/or processed or analyzed by any of the clinical laboratories of the University of Pennsylvania Health System?
No

Research Involves Apheresis, Cell Collection, and/or Blood Product Collection*
Does this research involve collection of blood products in the Penn Donor Center and/or the use of apheresis for treatment or collection of cells or other blood components?
No

Research involving blood transfusion or drug infusions*
Will your research involve blood transfusion or infusion of study drug in 3 Ravdin Apheresis Unit for research purposes?
No

Trial in Radiation Oncology
Is this research a prospective trial being done in Radiation Oncology, and if so, has this protocol been approved by the Radiation Oncology Protocol committee?
N/A

Study in Radiation Oncology
Is this research a retrospective study being done in Radiation Oncology, and if so, has this project been reviewed by the Radiation Oncology Clinical Research Group?
N/A

Use of UPHS services*
Does your study require the use of University of Pennsylvania Health System (UPHS) services, tests or procedures , whether considered routine care or strictly for research purposes? (UPHS includes all Penn hospitals and clinical practices, including the Clinical Care Associates network of community practices). Examples of UPHS services/tests/procedures includes the Clinical Translational Research Center (CTRC), laboratory tests, use of the pathology lab, cardiovascular imaging tests or radiology imaging tests (whether being billed via the Service Center or through UPHS), other diagnostic tests & procedures and associated professional services, etc.
No

Veteran's Affairs (VA) Patients or Subjects
Does your study involve data from Veteran's Affairs (VA) patients or subjects?
No

If yes, was this approved by the Philadelphia VA?

No

Out of State Research
Will any Penn personnel conduct any research activities outside of the State of Pennsylvania?
No

Research involving Virtua Health
Will any Penn personnel conduct any research activities at a Virtua Health site location, OR in collaboration with Virtua Health System personnel, OR using any Virtua Health System resources (e.g., medical records)?
No

Primary Focus*
Survey research (the main focus of the research is administration of a survey to research subjects)

Protocol Interventions

	Sociobehavioral (i.e. cognitive or behavioral therapy)
	Drug
	Device - therapeutic
	Device - diagnostic (assessing a device for sensitivity or specificity in disease diagnosis)
	Surgical
	Diagnostic test/procedure (research-related diagnostic test or procedure)
	Obtaining human tissue for basic research or biospecimen bank
x	**Survey instrument**
	None of the above

The following documents are currently attached to this item:

There are no documents attached for this item.

Sponsors

Business Administrator

Name:	**THOMAS, PHILIP P**
Dept / School / Div:	**10358 - Business Operations**
Phone:	**215-898-7700**
Fax:	
Pager:	
Email:	**philipth@sas.upenn.edu**

Department budget code

000 - 000 - 0 - 000000 - 0000 - 0000 - 0000

Funding Sponsors

Funding sponsors billing address
If you have selected a commercial or industry sponsor, please provide the appropriate address and contact information for the Sponsor for the purposes of billing for IRB review fees (initial review, continuing review and convened modification fees apply here). If the Sponsor is not industry/ commercial, this information is not necessary to provide with your application.

Funding sponsors gift
Is this research being funded by a philanthropic gift?

Project Funding*
Is this project funded by or associated with a grant or contract?
No

Sponsor Funding
Is this study funded by an industry sponsor?

Status of contract

The following documents are currently attached to this item:

There are no documents attached for this item.

Protocol

Objectives

Overall objectives
Little academic work has examined public perceptions of the causes and consequences of climate migration. Our project seeks to redress this gap in the literature linking climate change and migration by investigating the determinants of public attitudes toward climate migrants. Attitudes toward immigrants are central to migrant integration, so understanding how the general public perceives climate migrants is a critical step, particularly in regions---such as the American southeast---that are highly vulnerable to the effects of sea-level rise and extreme weather, which are key causes of climate-driven migration. According to Miller (2017), ``[in] low-elevation areas most vulnerable to rising seas, that means close to 700 million people are at risk... ."

Background
A host of studies have evaluated mass attitudes toward climate change (Bernauer and McGrath 2016; Hornsey et. al. 2016; Brulle, Carmichael, and Jenkins 2012), but little existing work examines climate-driven migration, or connections between climate attitudes and migration attitudes. Nevertheless, ample evidence suggests the importance of studying the climate-migration nexus. Javeline (2014) calls it "the most important topic political scientists are not studying." Previous work has found mixed evidence for the influence of exposure to climatic events on support for policies to support climate migrants and climate change mitigation. While some studies show exposure to climatic events increases belief in climate change and support for mitigation (Egan and Mullin, 2012, 2014), other evidence s weak or mixed (Hazlett and Mildenberger, 2020). Further, while existing research has shown that the public views climate-driven migrants as distinct from either economic migrants or refugees, it has yet to explore the mechanisms behind this association (Arias and Blair, 2022), or to consider how changing climatic conditions might raise the salience of climate migration. We theorize that prior exposure to the effects of climate change and to climate migration increase future support for polcies in these areas, and also increase willingness to move in the face of a future climatological disaster.

Study Design

Design
We use a survey design. Respondents are recruited via opt-in panels in the U.S. states of Florida, Louisiana, and Texas, which have faced and will likely continue to face the greatest exposure to climate-related natural disasters such as hurricanes. We will enroll approximately 2,800 subjects in total in a rolling study, sampling roughly 200 individuals per week between August and November 2022, to capture the season during which hurricane activity is the most prevalent. Respondents are asked a series of demographic questions to gather data on relevant moderators for climate change and climate migration attitudes, as well as core demographics like gender, education, ideology, partisanship, religiosity, native born status, employment, age, trust in government, political interest, and empathy. To mitigate the negative effects of respondent inattention, we include a pre-treatment attention screener that doubles as a `bot' filter (Berinsky, Margolis and Sances, 2014). Subsequently, the values of the outcome variables are measured and manipulation checks are conducted. We employ three sets of outcome measures. The first variable measures respondent support for policies to combat climate-driven migration, as well as climate change generally. Respondents are also asked about belief in anthropogenic causes of climate change. The second set of outcome variables measures the importance respondents assign to climate-driven migration, climate change, and to other policy areas, as well as the cost the respondent would be willing to pay to address these policy issues. The third set of dependent variables are behavioral measures, which track whether respondents follow a link to obtain additional information on climate migration.

Study duration
sampling roughly 200 individuals per week between August and November 2022, to capture the season during which hurricane activity is the most prevalent, working in cooperation with our survey partner--Lucid. Each subject should take 9-10 minutes to complete the survey.

Characteristics of the Study Population

Target population
General population samples of adults 18 years old or older in the U.S states of Florida, Louisiana, and Texas.

Subjects enrolled by Penn Researchers
0

Subjects enrolled by Collaborating Researchers
0

Vulnerable Populations

	Children Form
	Pregnant women (if the study procedures may affect the condition of the pregnant woman or fetus) Form
	Fetuses and/or Neonates Form
	Prisoners Form
	Other
x	**None of the above populations are included in the research study**

The following documents are currently attached to this item:

There are no documents attached for this item.

Participant recruitment
Please describe the plan to equitably identify and recruit a diverse group of participants that is reflective of the population under study. If this is a multicenter protocol, the recruitment plan should describe the local (Penn) site's plan. Describe:how potential participants may be identified (review of medical records, Slicer Dicer, DAC reports including referrals from physician offices and clinics);who may approach potential participants;methods to achieve sample diversity and inclusiveness;what information may be presented to or discussed with them; andthe context and setting in which recruitment will happen.
We will recruit approximately 2,800 subjects through opt-in survey panels maintained by Lucid, a survey company.

Recruitment Materials
Is the research team using any recruitment materials? These may include but are not limited to: phone call scripts, radio/video scripts, flyers/brochures, internet postings, email, letters to potential participants, letters to patient physicians, My Penn Medicine (MPM), other direct messaging, etc. For guidance regarding recruitment materials, please review the IRB's guidance on Participant Recruitment Materials online:https://irb.upenn.edu/recruitment
No

Use of Penn Media & Social Media Services
Will the recruitment plan propose to use any Penn media services (communications, marketing, etc.) for outreach via social media avenues (examples include: Facebook, Twitter, blogging, texting, etc.) or does the study team plan to directly use social media to recruit for the research?
No

The following documents are currently attached to this item:

There are no documents attached for this item.

Subject compensation*
Will subjects be financially compensated for their participation?
Yes

The following documents are currently attached to this item:

There are no documents attached for this item.

If there is subject compensation, provide the schedule for compensation per study visit or session and total amount for entire participation, either as text or separate document

Subjects are paid by Lucid, the survey firm we use to administer the surveys. Compensation varies based on demographic requirements for the sample, but is between $0.50 and $1.25 (we anticipate a cost per respondent of $1.00). Compensation is a cash payment to respondents.

Study Procedures

Suicidal Ideation and Behavior
Does this research qualify as a clinical investigation that will utilize a test article (ie- drug or biological) which may carry a potential for central nervous system (CNS) effect(s)? Centeral nervous system(CNS) effect: the ability of a test article to enter into and potentially interact with the central nervoous system (brain and spinal cord). Clinical Investigation: Any experiment that involves a test article and one or more human subjects that either is subject to requirements for prior submission to the Food and Drug Adminstration (FDA) under section 505(i) or 520(g) of the Federal Food, Drug, and Cosmetic Act, or is not subject to the requirements for prior submission to the FDA under these sections of the act, but, the results of which are intended to be submitted later to, or held for inspection by, the FDA as part of an application for a research or marketing permit.
No

Procedures
Respondents are contacted by Lucid, which maintains national panels, with an option to take our survey. If respondents opt-in, they take the 9-10 minute long survey, and are paid. There is no follow up.

The following documents are currently attached to this item:

There are no documents attached for this item.

Deception
Does your project use deception? Deception could be considered any direct misinformation presented to the subject or omission of key information pertaining to the design or nature of the project.
No

International Research
Are you conducting research outside of the United States?
No

Analysis Plan
We will use regression analysis to estimate relationship between demographic features and atittudes on climate and climate migration policies, and to compare differences between relevant groups.

The following documents are currently attached to this item:

There are no documents attached for this item.

Subject Confidentiality
We are not collecting identifying information. All potentially identifiable information, like worker IDs and IP addresses, will be deleted after we clean and process data, and before we run analyses. Data files will only be shared within the research team.

Sensitive Research Information*
Does this research involve collection of sensitive information about the subjects that should be excluded from the electronic medical record? [NOTE: This does not apply to: 1) research information that would not normally be included in the electronic medical record or 2) information that is in the electronic medical record as part of clinical care.]
No

Disclosures
Will any data or specimens from Penn participants OR other research generated work product (e.g., intellectual property) be disclosed to any individuals, entities, or vendors, etc. outside of Penn?
No

*Data Protection**

	Name
	Street address, city, county, precinct, zip code, and equivalent geocodes
	All elements of dates (except year) for dates directly related to an individual and all ages over 89
	Telephone and fax number
	Electronic mail addresses
	Social security numbers
	Medical record numbers
	Health plan ID numbers
	Account numbers
	Certificate/license numbers
	Vehicle identifiers and serial numbers, including license plate numbers
	Device identifiers/serial numbers
	Web addresses (URLs)
	Internet IP addresses
	Biometric identifiers, incl. finger and voice prints
	Full face photographic images and any comparable images
	Any other unique identifying number, characteristic, or code
x	**None**

Does your research request both a waiver of HIPAA authorization for collection of patient information and involve providing Protected Health Information ("PHI") that is classified as a "limited data set" (city/town/state/zip code, dates except year, ages less than 90 or aggregate report for over 90) to a recipient outside of the University of Pennsylvania covered entity?
No

Consent

1. Consent Process

Overview
We utilize an opt-in panel of respondents. All respondents are told at the start of the study that they may stop participating at any time. To minimize coercion, we remind potential respondents that they can stop any time. A full copy the informed consent form shown to participants is attached at the end of this application.

Risk / Benefit

Potential Study Risks
We foresee no risks.

Potential Study Benefits
The benefits of this study are high. Above all, achieving a better understanding of mass attitudes toward migration, climate change, and climate migration will help design policy interventions to inform constructive outreach on these topics. Ideally, we will identify ways to increase popular beliefs in anthropogenic climate change and support for relevant policies.

Risk / Benefit Assessment
This study is minimal risk with high benefits, outlined above. In particular, our survey choice poses a straightforward, unobtrusive task to respondents. There are no foreseen risks to participation.

General Attachments

The following documents are currently attached to this item:

There are no documents attached for this item.