Demographic Questions

Title of Research Project: Perspectives on Non-medical DNA Applications

Principal Investigator:

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- A. **Purpose of Study:** This study aims to understand: (1) general views and attitudes toward genetic testing, (2) perspectives on the use of DNA in law enforcement, and (3) perspectives on the use of DNA in missing persons and human trafficking contexts. We are surveying 360 individuals.
- B. **Procedures to be Followed:** You will be asked to answer a series of questions on an online survey. For each question, you should select the option that best reflects your opinion or answer. Space will be provided for you to share additional information.
- C. **Duration/Time:** This online survey should take approximately 30-50 minutes to complete.
- D. **Foreseeable Risks:** This research poses a minimal risk to you. The probability and magnitude of physical or psychological harm or discomfort anticipated in this research are not greater than those ordinarily encountered in daily life or during the performance of routine physical or psychological examinations or tests.
- E. Compensation for your Contribution to Research: You will not receive compensation for participating in the survey. However, you may opt to enter a drawing for a Target gift card of \$50. If you are selected for the gift card (odds are 1:60), you will be asked to provide your contact information and social security number to receive the gift card.
- F. Statement of Confidentiality: This survey is confidential and does not collect

your name, Internet address or contact information. The limited demographic information that is requested is for study purposes and will not be used to identify you or your responses. In the event of any publication or presentation resulting from this research, no personally identifiable information will be published. Survey responses are collected, encrypted for security, and stored via Qualtrics software. Your confidentiality will be kept to the degree permitted by the technology used. No guarantees can be made regarding the interception of data sent via the Internet by any third parties.

- G. **Right to Ask Questions:** Please contact the principal investigator, Sara Katsanis, with any questions or concerns about this study.
- H. **Voluntary Participation:** Your decision to be in this research study is voluntary. You can stop at any time. You do not have to answer questions you do not want to answer. You are not required to enter the gift card drawing.
- I. Eligibility Criteria: You must be at least 18 years of age to participate in this study.
- J. Implied Consent and Waiver of Signed Documentation of Consent: Your completion of this online survey implies that you have read the information in this form and that you have had the right and opportunity to ask the investigators any questions or discuss any concerns about participation in this research study. Your completion of this online survey also indicates you agree to waive signed documentation of your voluntary consent to participate in this research study. Please print this page and keep it for your records.

Do you agree	to	participate	in	this	study?
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have hof age	have read the information on this page, I am familiar with its contents, and had the opportunity to ask any questions. I attest that I am at least 18 years. I agree to participate in this survey research and understand that I may be survey at any time. I agree to waive my right to signed documentation of the needs and understand I should print a copy of this page for my records.
□ No	
First we	will ask for some information about you.
How old	are you? (in years)

What is your sex?
○ Male
○ Female
O Decline to respond
With which group do you most closely identify?
O American Indian or Native Alaskan
O Black, African, or African American
O East Asian
O Hispanic or Latino
Native Hawaiian or other Pacific Islander
O South Asian
O Southeast Asian
O White, European, or European American
O Decline to respond
Other
Which description best identifies you?
O U.S. citizen
O Legal U.S. resident
O Undocumented immigrant in the U.S.
O Non-U.S. resident
O Decline to respond

What is your native language?
O English
○ Spanish
Other
O Decline to record
O Decline to respond
What language do you usually speak with your friends?
O English
O Spanish
Other
O Decline to respond
Decime to respond
What is your highest level of education?
O Some elementary school
○ Some middle school
O Some high school
O Completed high school
O Some college
O Completed college
Graduate or professional school
O Decline to respond
/ictims Advocates Questions vs. Students
Are you currently a student?
Are you currently a student?

ics Survey Software	6/16/14, 4:3
Yes	
○ No	
Please indicate your current level in scho	ool
Undergraduate	
O Master's student	
O Doctoral student	
Other	
○ Yes ○ No	
Which position best describes your role a	as a victims' advocate?
O Volunteer	
O Lawyer	
O Social worker	
O Psychologist	
O Sociologist	
O Historian	
O Basic scientist	
Health care provider	
○ Translator	
O Other	
Decline to respond	

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How would you b	est describe your role as a victims' advocate?
O Full-time career	
O Part-time career	
O Mostly volunteer	
 Entirely voluntee 	r
In your education DNA?	, did you have any college-level (or higher) lessons on genetics or
	, did you have any college-level (or higher) lessons on genetics or
DNA?	, did you have any college-level (or higher) lessons on genetics or
DNA? O Yes	, did you have any college-level (or higher) lessons on genetics or
ONA? Yes No I don't know	een a genetics specialist, such as a genetic counselor or medical
DNA? Yes No I don't know Have you ever se	
O Yes O No O I don't know Have you ever segeneticist?	
ONA? Yes No I don't know Have you ever segeneticist? Yes	

https://duke.qualtrics.com/ControlPanel/Ajax.php?action=GetSurveyPrintPreview&T=1KC7gQ

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Next we will ask for your opinion on some aspects of human trafficking, sex work, law enforcement, and uses of DNA.									
Do you or does your victims' advocacy organization work directly with human trafficking victims?									
O Yes									
○ No									
O I don't know									
Have you ever worked directly with hi	uman trat	fficking	victims?						
O Yes									
○ No									
O I don't know									
O Decline to respond									
Which of the following do you conside	er to be e	xample	es of humar	n traffick	ing?				
		Most of the				I don't			
	Always	Time	Sometimes	Rarely	Never	know			
Child prostitution	\circ	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc			
Sex work through a third party (such as a pimp)	\circ	\circ	\circ	\circ	\circ	\circ			
Child pornography	\circ	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc			
Consensual sex work	\circ	\circ	\circ	\circ	\circ	\circ			
Which of the following do you conside	er to be e	xamnl	es of humar	n traffick	ina?				
		Most of the				I don't			

	Always	Time	Sometimes	Rarely	Never	know
Child labor		\circ		\circ		
Payment for smuggling a person across borders	0	\circ	0	\bigcirc	\circ	\circ
Debt bondage for smuggling a person across borders for exploitation	0	0	0	\circ	0	0
Forced or coerced use of a child for military service	0	0	\circ	0	0	0
Forced or bonded labor	\circ	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc

Which of the following do you consider to be examples of human trafficking?

	Always	Most of the Time	Sometimes	Rarely	Never	l don't know
Paying or coercing a parent to give up a child for adoption	0	\circ	\circ	\bigcirc	\circ	\circ
Paying or coercing a woman to have a child to sell for adoption (e.g., baby farms)	0	0	\circ	0	\circ	0
Selling a child for adoption		\bigcirc	\circ	\bigcirc	\bigcirc	\bigcirc

Which of the following do you consider to be examples of human trafficking?

	Always	Most of the Time	Sometimes	Rarely	Never	l don't know
Selling another person's organs or body parts	0	\circ	\circ	\circ	\circ	\circ
Selling a person's own organs or body parts	0	\circ	0	\circ	\circ	\circ
Forced or coerced collection of a person's biological specimens for government use	0	0	\circ	\circ	\circ	\circ
Forced or coerced collection of a person's biological specimens for profit	0	\circ	0	\circ	\circ	\circ
Selling a person's own reproductive samples (eggs, sperm) across borders	\circ	\circ	\circ	\bigcirc	\circ	\circ

Do you or does your victims' advocacy	organizati	on work	with inter	national a	doptions?
O Yes					
○ No					
O I don't know					
O Decline to respond					
Agree or disagree with the following sta	tements:				
	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree
International adoption is good for families	0	\circ	\circ	\circ	\circ
Children sold for adoption are victims of human trafficking	0	\circ	0	\circ	0
International adoption is good for the originating country	0	\circ	\circ	\circ	\circ
International adoption is good for the adopted child	0	\bigcirc	\circ	\bigcirc	\circ
Do you or does your victims' advocacy trafficking victims or sex workers?	organizati	on work	with rehal	bilitation o	f sex
O Yes					
○ No					
O I don't know					
O Decline to respond					
Agree or disagree with the following sta	tements:				
	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly disagree

Sex workers feel pressured to continue as a sex worker	0	0	\circ	\circ	\circ
Working in the sex trade can be a choice		\bigcirc	\bigcirc	\bigcirc	\bigcirc
Sex workers want to continue to work in the sex industry	0	\bigcirc	\circ	\circ	\circ
Sex workers want to pursue a career outside of sex trade	0	0	0	0	0
Agree of disagree with the following s	tatements:				
	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree
Adult sex workers are victims of human trafficking	0	\circ	\circ	\circ	\circ
			_		
Minor sex workers are victims of human trafficking	\circ	\circ	\circ		
	0	0	0	0	0
trafficking Consensual sex workers are victims of human trafficking	0	0	0		0
trafficking Consensual sex workers are victims of human trafficking	0	Agree	Neither Agree nor Disagree		Strongly
trafficking Consensual sex workers are victims of	tatements:		Neither Agree nor	0	
trafficking Consensual sex workers are victims of human trafficking Agree or disagree with the following s Most people would date a person who has	tatements: Strongly Agree		Neither Agree nor	0	
Consensual sex workers are victims of human trafficking Agree or disagree with the following sometimes Most people would date a person who has been a sex worker Most people would willingly accept a sex	tatements: Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	
Consensual sex workers are victims of human trafficking Agree or disagree with the following seem a sex worker Most people would date a person who has been a sex worker Most people would willingly accept a sex worker as a close friend Most employers will hire a sex worker if he	tatements: Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	

Agree or disagree with the following statements:

	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree
I trust the police to protect sex workers that are not in police custody	0	0	\circ	0	0
I trust social workers to assist sex workers		\bigcirc	\bigcirc		
I trust a lawyer to assist sex workers		\bigcirc	\bigcirc		
I trust the police to protect sex workers when they are in custody	0	\circ	\circ	\circ	0
I trust a health care provider to assist sex workers	0	\circ	\circ	\circ	0

Agree or disagree with the following statements:

	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree
I trust social workers to assist sex trafficking victims	0	\circ	\circ	\circ	0
I trust a health care provider to assist sex trafficking victims	0	\circ	\circ	\circ	\circ
I trust the police to protect sex trafficking victims that are not in police custody	0	\circ	\circ	\circ	0
I trust a lawyer to assist sex trafficking victims	0	\circ	0	\circ	0
I trust the police to protect sex trafficking victims when they are in custody	0	0	\circ	\circ	0

Questions about DNA & Privacy

DNA is often used by officials as an identity tool.

A DNA specimen may be collected by a person and a "DNA profile" created from that sample, which consists of data points that describe molecular traits that are unique to a person (except for identical twins).

A DNA profile does not relay medical information.

Are you familiar with law enforcement's use of DNA to investigate crimes in the U.S.?

	Very familiar	Somewhat familiar	Not at all familiar
I am familiar with law enforcement use of DNA	0	\circ	0
I am familiar with the U.S. law enforcement DNA database CODIS (COmbined DNA Index System)	0	0	0

Agree or disagree with the following statements:

	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree
DNA is a valuable law enforcement tool to identify victims	0	0	\circ	\circ	\circ
With more people in CODIS, more crimes will be solved	\circ	\circ	\circ	\circ	\circ
DNA is a valuable law enforcement tool to solve crimes	0	\circ	\circ	\circ	\circ

Agree or disagree with the following statements:

	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree
I trust law enforcement to keep my DNA profile private	0	\circ	\circ	\circ	\circ
If I were asked to participate in a law enforcement DNA database, I would fear someone will plant my DNA at a crime scene	0	0	0	0	0
I do not worry about giving my DNA to law enforcement since I will not commit a crime	\circ	\circ	\bigcirc	\circ	\circ
I trust a non-governmental organization (NGO) to keep my DNA profile private	\circ	\circ	\circ	\circ	\circ

Agree or disagree with the following statements:

	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree
DNA identity profiles (without any medical implications) should be subject to privacy protections	0	0	0	0	0
Genetic information is inherently private	\circ	\bigcirc			\bigcirc
DNA samples should be subject to privacy protections	0	\circ	\circ	\circ	\circ

Scenario Query

Finally, we would like to present scenarios where DNA could be used to address human trafficking.

Please indicate which scenarios you would like to consider:

- Use of DNA in international adoptions contexts
- Use of DNA in child soldier contexts
- Use of DNA for identifying sex trafficking victims

Adoption Scenario

In Guatemala, children have been sold for purposes of international adoption, prompting closure of several adoption programs and resulting in an abundance of orphans. DNA samples from children being considered for adoption and residing in orphanages may be collected for comparison to samples collected from families in villages with reported missing children.

The program would be intended to assist with identification of stolen children before they are placed for international adoption.

If such a program were to be offered to a child in a Guatemalan orphanage, would you recommend s/he provide DNA?
O Definitely yes
O Probably yes
O Probably not
O Definitely not
If such a program were to be offered to a family from a Guatemalan village with missing children, would you recommend a family member provide DNA?
O Definitely yes
O Probably yes
O Probably not
O Definitely not
Who do you see as the primary intended beneficiary of this program?
The Guatemalan government
○ U.S. or other governments
The village in Guatemala
O Families in Guatemala
O Families adopting from Guatemala
O Children from Guatemala
O Other
What concerns would you have about participation?

What would motivate you to encourage or discourage participation?	
	lo

If such a program were to be offered, who would you trust to **HOLD** the DNA specimens and **USE** the DNA profiles (only relaying identity)?

	HOLD the DNA specimens			US	NA	
	Yes	Maybe	No	Yes	Maybe	No
Law enforcement in Guatemala (e.g., police, crime laboratory)	0	\circ	\circ	0	0	\circ
Government organization outside of Guatemala (e.g., US-based authority)	\circ	\circ	\bigcirc	0	\circ	\bigcirc
Non-Governmental Organization (NGO, e.g., victims' advocacy group, charity)	\circ	\circ	\bigcirc	0	\circ	\circ
Academic center (university laboratory, hospital)	\circ		\bigcirc	\circ	\bigcirc	\bigcirc
Government organization in Guatemala (e.g., national missing persons database)	\circ	\circ	\bigcirc	0	\circ	\bigcirc

To what extent do you agree or disagree with the following statements with regard to the discussed DNA program?

	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree
I trust that a child's DNA would be protected from misuse	0	\circ	0	\circ	0
DNA would be used to reunite children with families who offered those children up for adoption in the first place	0	\circ	0	0	0
It is my duty to encourage participation in order for human trafficking victims to be identified	0	\circ	0	0	0
I fear that the DNA would be used against the victim or family	0	\circ	\circ	\circ	0

Child Soldier Scenario

In Sierra Leone, victims' advocates are recovering groups of trafficked child soldiers and attempting to identify the children and their families for reunification. DNA samples from children may be collected for comparison to samples collected from families in villages with missing children.

The program would be intended to assist with rapid and reliable identification of human trafficking victims.

If such a program were to be offered to a recovered child soldier in Sierra Leone, would you recommend s/he provide DNA?
O Definitely yes
O Probably yes
O Probably not
O Definitely not
If such a program were to be offered to a family from a village in Sierra Leone with reported missing children, would you recommend a family member provide DNA?
O Definitely yes
O Probably yes
O Probably not
O Definitely not
Who do you see as the primary intended beneficiary of this program?
O The government in Sierra Leone
O U.S. or other governments
The village in Sierra Leone

Children from Sierra Leone						
Other						
Vhat concerns would you have about partic	cipation?					
						h
Vhat would motivate you to encourage or d	iscourage	e participa	tion?			
vitat would inotivate you to cheodrage of d						
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such a program were to be offered, who w	•		OLD the	e DNA		le
	relaying i	dentity)?		ı	ξ the C) NA
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such a program were to be offered, who were the constant of the beautiful to be offered	HOLD t	dentity)? he DNA spe Maybe	cimens No	USE Yes	E the D	3
such a program were to be offered, who we pecimens and USE the DNA profiles (only Law enforcement in Sierra Leone (e.g., police, crime laboratory) Government organization in Sierra Leone (e.g., national missing persons database) Government organization outside of Sierra	HOLD t	dentity)? he DNA spe Maybe	No	USE Yes	E the D	3
Esuch a program were to be offered, who we pecimens and USE the DNA profiles (only Law enforcement in Sierra Leone (e.g., police, crime laboratory) Government organization in Sierra Leone (e.g., national missing persons database) Government organization outside of Sierra Leone (e.g., US-based authority) Non-Governmental Organization (NGO, e.g.,	relaying i	he DNA spe Maybe	No	USE Yes	E the D	3

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the discussed DNA program?

	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree
It is my duty to encourage participation in order for human trafficking victims to be identified	0	0	0	0	0
I fear that the DNA would be used against the victim or family	0	\circ	\circ	\circ	\circ
I trust that a child's DNA would be protected from misuse	0	\circ	\circ	\circ	\circ

Sex Trafficking Scenario

In Texas, the High Risk Potential Victims DNA Database is a voluntary DNA collection program for sex workers completing a prostitute diversion program run by the local police department in partnership with social services. DNA samples from consenting individuals are collected and stored in a repository at a local university.

The program is intended to assist with post-mortem identification of sex workers likely to be victims of serial crime in Texas. Samples remain unprocessed until law enforcement suspects that a violent crime, homicide, or missing persons case may be connected to an individual sampled.

A database of DNA profiles from sex workers also could be useful for identifying missing persons and victims of human trafficking if a second sample were collected for comparison to the nation-wide missing persons database.

If such a program were to be offered to a sex worker in your care, would you recommend he or she provide DNA?

	Definitely yes	Probably yes	Probably not	Definitely not
DNA sample collection for post-mortem identification	0	0	\circ	0
DNA profiling and databasing for post-mortem identification	0	\circ	\circ	\circ
DNA profiling and databasing for comparison to missing persons database	0	\circ	\circ	\circ

Who do you see as the primary intended benefic						
O Texas-based law enforcement						
O Families of sex workers in Texas						
O Sex workers in Texas						
Other						
What concerns would you have about participation	n?					
What would motivate you to encourage or discou	rage pa	articipatio	on?			
What would motivate you to encourage or discou	rage pa	articipatio	on?			
What would motivate you to encourage or discou	rage pa	articipatio	on?			6
				e DNA	Δ	lo
What would motivate you to encourage or discount of such a program were to be offered, who would specimens and USE the DNA profiles (only relay)	you tru	st to HO		e DNA	A	lo
f such a program were to be offered, who would	you tru ng ider	st to HO	DLD the	US	L E the D profiles	
f such a program were to be offered, who would	you tru ng ider	st to HO ntity)?	DLD the	US	E the D	3
f such a program were to be offered, who would	you tru ng ider	st to HO ntity)? oLD the DI specimens	O LD the	US	E the D	3
f such a program were to be offered, who would specimens and USE the DNA profiles (only relay	you tru ng ider HC Yes	st to HO ntity)? oLD the DI specimens	OLD the	US	E the D	3
f such a program were to be offered, who would specimens and USE the DNA profiles (only relay) Academic center (university laboratory, hospital) US-based government organization (e.g., national	you tru ng ider HC Yes	st to HO ntity)? LD the Dispecimens Maybe	NA S	US Yes	E the D	3

To what extent do you agree or disagree with the following statements with regard to the discussed DNA program?

	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree
I trust that the DNA would be protected from misuse	\circ	\circ	\bigcirc	\circ	\circ
Law enforcement is using this program to gain access to victims' DNA	\circ	\circ	\bigcirc	\bigcirc	\circ
It is my duty to encourage participation in order for human trafficking victims to be identified	0	0	0	0	0
Law enforcement is finally treating sex workers as victims rather than criminals	\circ	\circ	\circ	\circ	\circ
I fear that the DNA would be used against the victim or family	0	0	0	0	0

Final

What concerns do you have about the use of DNA for law e and/or human trafficking?	nforcement, immigration
	la de la companya de
Mark housefite and thouse to using DNM for law enforcement.	
What benefits are there to using DNA for law enforcement, trafficking?	immigration and/or human

We thank you for your thoughtful contribution to this research and your time to complete this survey.

On the next screen you will be redirected to a separate site where you may opt to provide your contact information for inclusion in a drawing for a Target gift card.

You may address any questions or thoughts to the principal investigator, Sara Katsanis, at sara.katsanis@duke.edu