Practitioner Survey Screen Shots

Information Page

Information Sheet

OMB Control #0693-0043 06/30/2025

NIST Human-Centered Security Survey

You are invited to participate in a research study. Your participation is voluntary. You should read the information below and ask questions about anything that you do not understand. A researcher will be able and available to answer your questions.

<u>PURPOSE</u>

The purpose of this study is to understand current human-centered security researcher-practitioner interaction points and associated challenges throughout the entire research lifecycle. Study insights can inform the creation of bridges between human-centered security researchers and cybersecurity practitioners. We are conducting an online, anonymous survey of practitioners. We are asking you to take part in this research study because you are an adult (18+ years of age) who has a job that involves developing, administering, implementing, or overseeing security-related technologies, systems, processes, training, policies, services, programs or the security components of those.

PARTICIPANT INVOLVEMENT

If you decide to take part in this study you will be asked to complete an online, anonymous survey. The survey has an expected completion time of seven (7) minutes. During the survey, you will be asked about your professional experience, your current organization, and your familiarity with and consideration of human-centered security in your work. You will not be compensated for your participation.

CONFIDENTIALITY

The members of the research team, NIST Research Protections Office (RPO) to include the Institutional Review Board (IRB), and the Office for Human Research Protections (OHRP) may access the data. The IRB reviews and monitors research studies to protect the rights and welfare of you, the research subject.

Your information is strictly anonymous. No identifiers, data, or information are collected that can be traced back to you. The data provided is not associated or linked back to you by anyone, including the researchers.

When the results of the research are published or discussed in conferences or journals, no identifiable information will be used. Results will be reported in aggregate.

POSSIBLE RISKS

This research is considered to beminimal risk. That means that the risks associated with this study are the same as what you face every day. There are no known additional risks to those who take part in this study. There is a very small risk that someone who is not authorized could get access to the data. However, data will be anonymized and not linked back to you. Data will be stored on protected NIST computers and servers requiring multi-factor authentication. Data will be retained per NIST record-keeping requirements for five (5) years after the study is closed.

INVESTIGATOR CONTACT INFORMATION

If you have any questions about this study, please contact Julie Haney at julie.haney@nist.gov.

RPO/ IRB CONTACT INFORMATION

If you have any questions about your rights as a research participant, please contact the NIST Research Protections Office and/or Institutional Review Board at 301-975-5445or email rpoffice@nist.gov.

You should only decide to participate if the following is true for you:

I understand the above description of the research and the risks and benefits associated with my participation as a research subject. I understand that by proceeding to the next page, I am choosing to take part in this research voluntarily with this survey.

You may download a copy of this of this information sheet here.

Terminology Page

Page Header	
<u>Terminology</u>	

Term

The following terms are used throughout the survey:

Security will be used as shorthand for "cybersecurity."

Human-centered security (sometimes called "usable security") considers the human, social, and organizational factors related to security processes, technologies, products, policies, etc. It involves the relationships and interactions between people and cybersecurity, including people's perceptions, the challenges they encounter, and designing usable systems, products, and services that also result in improved security outcomes.

Information About You and Your Job

Page Header
Information about You and Your Job
Q1
Which of the following best describes your current position as a practitioner? Select all that apply. If you are also a researcher, you will have an opportunity to indicate that later in the survey
Security practitioner
□ IT practitioner
☐ Software or hardware developer
Manager or executive
□ Policy maker
□ Educator/trainer
Other
Q2
How many years have you worked in a job involving security?
O Less than 1
O 1-5
O 6-10
O 11-15
O 16-20
O More than 20 years
Q3
Which of the following best describes your current, primary organization/institution?
○ Academic
O Private industry
○ Non-profit
O Government
O_Other

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Operations stores Operations	○ Europe
Outstand horizon	O North America
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Pacific stands	O South America
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Associated Spare categororisation degree	High school or equivalent
Status degree requirement	○ Some college/university
Mount or degree or equivalent	Associates (2 year college/university) degree
Page Header Involvement with Research	○ Bachelor's degree
Involvement with Research Page Header Involvement with Research	Master's degree or equivalent
Involvement with Research Fage Header Involvement with Research	O PhD, JD, or other professional degree
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	☐ Yes — from a practitioner perspective
□ * No	☐ Yes — from a researcher perspective
	□ ※ No

Human-Centered Security

<u>Human-Centered Security</u>					
Context Please answer the following questions	from your practitioner pe	erspective (even if you h	ave been or are current	ily a researcher).	
Q10					:ģ:
How familiar are you with human-centered	d security?				9
-	Not at all Familiar	A Little Familiar	Somewhat Familiar	Moderately Familiar	Very Familiar
Familiarity	0	0	0	0	0
Q11 What do you think is the level of importan Level of importance	ce of considering human-c	entered security in your w Slightly Important	Somewhat Important	Moderately Important	Extremely Important
Q12 How often do you consider aspects of hun	nan-centered security in yo	uir work?			
		ul Work:			
	Never	Rarely	Sometimes	Often	Always
Frequency	Never		Sometimes	Often	Always
	0	Rarely	0		-
Q13	0	Rarely ong human-centered securi	0	0	◇
Q13	oxperienced when considering	Rarely O Ing human-centered securi	o ty in your work?	0	◇
Q13 What is the level of challenge you have ex Level of challenge	O xperienced when considerin Not Challenging	Rarely ong human-centered securi Slightly Challenging Somewi	ty in your work? hat Challenging Moderately Ct	Extremely Challenging	∵ ∴ No Experience to Judge
Q13 What is the level of challenge you have ex	O xperienced when considerin Not Challenging	Rarely ong human-centered securi Slightly Challenging Somewi	ty in your work? hat Challenging Moderately Ct	Extremely Challenging	○ · · · · · · · · · · · · · · · · · · ·

Q	15
If Or	Display this question Rate your level of agreement with the following statement: "Information about human-centered secu Strongly Disagree Is Selected Rate your level of agreement with the following statement: "Information about human-centered secu Disagree Is Selected or What reasons do you disagree that human-centered security has made a positive impact on your work?
Q	16
Ti	brough what means, if any, have you become aware of human-centered security topics and insights? Select all that apply.
	Discussions with colleagues
	Discussions with researchers
	Papers/articles in practitioner-focused publications
	Papers/articles in research-focused publications
	Presentations at practitioner-focused conferences, meetings, or other events
	Presentations at research-focused conferences, meetings, or other events
	Podcasts
	News media
	Videos
0	Websites, blogs, other online forums
	Social media
	Mailing lists
	Tools or other software or hardware
	Knowledge and data repositories
	Government publications
	Standards documents
	Other
	at I am not aware of these topics

Q19 In your opinion, what is the extent to which h	uman-centered security	researchers would be in	nterested in producin	g research	outputs for practitione	·Ç· ers like you?	
						42.4	
Interest	Not Interested at all	Slightly Interested	Somewhat Interest	ea N	Moderately Interested	Extremely Interested	
low interested are you in receiving informati	on about human-centere	d security research?	Somewhat Interest	ed 1	Moderately Interested	Extremely Interested	
218						-ζ ⁰ .	
organization	0	0					
Defendable to peers and leadership within my	0	0	0	0	0	0	
Up-to-date with current issues and technologies	0	0	0	0	0	0	
Relevant to my organization or situation	0	0	0	0	0	0	
Something I can take and put into action Easy to find and access	0	0	0	0	0	0	
Understandable	0	0	0	0	0	0	
Understandable	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree	No Experience to Judge	
study) to explore the human, social, and orga				_			
	Through what means, if any, have you become aware of human-centered security topics and insights? Other Is Selected s question is about your opinions related to formal human-centered security research, which is a systematic investigation (e.g., a survey, interview, or experimental						
or Through what means, if any, have you become aware of huma			lected				
	Through what means, if any, have you become aware of human-centered security topics and insights? Knowledge and data repositories Is Selected Through what means, if any, have you become aware of human-centered security topics and insights? Government publications Is Selected						
or Through what means, if any, have you become aware of huma or Through what means, if any, have you become aware of huma							
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or Through what means, if any, have you become aware of huma	n-centered security topics and insight	s? Websites, blogs, other online	forums Is Selected				
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Or Through what means, if any, have you become aware of human-centered security topics and insights? Presentations at practitioner-focused conferences, meetings, or other events Is Selected Or Through what means, if any, have you become aware of human-centered security topics and insights? Presentations at research-focused conferences, meetings, or other events Is Selected							
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or Through what means, if any, have you become aware of huma							
Through what means, if any, have you become aware of human	-centered security topics and insights	? Discussions with colleagues	Is Selected				
Display this question							
						A	
217						. Ω.	

Q20	
Through what means, if any, would you prefer to receive information about human-centered security topics and insights in the	e future? Select all that a
☐ Discussions with colleagues	
☐ Discussions with researchers	
Papers/articles in practitioner-focused publications	
Papers/articles in research-focused publications	
Presentations at practitioner-focused conferences, meetings, or other events	
Presentations at research-focused conferences, meetings, or other events	
□ Podcasts	
☐ News media	
□ Videos	
☐ Websites, blogs, other online forums	
☐ Social media	
☐ Mailing lists	
☐ Tools or other software or hardware	
☐ Knowledge and data repositories	
Government publications	
☐ Standards documents	
Other	
☐ ※ I don't care to learn about these topics	
221 What are the harries to you are a prostitioner being able to integrate human contared acquire into your world?	
What are the barriers to you, as a practitioner, being able to integrate human-centered security into your work?	
<u>^</u> 7/2	
322	.'ϕ'.
What human-centered security topics do you think are most important for researchers to focus on right now (for example, how people respond	
cybersecurity workforce development, usable authentication mechanisms, phishing, security policy compliance, secure development, threat de awareness training)?	etection tools, security
<u>*</u>	

Conclusion

Conclusion

Thank you for participating in our survey!

A Federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with an information collection subject to the requirements of the Paperwork Reduction Act of 1995 unless the information collection has a currently valid OMB Control Number. The approved OMB Control Number for this information collection is 0693-0043. Without this approval, we could not conduct this survey/information collection. Public reporting for this information collection is estimated to be approximately 7 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information collection. All responses to this information collection are voluntary. Send comments regarding this burden estimate or any other aspect of this information collection, including suggestions for reducing this burden to the National Institute of Standards and Technology: 100 Bureau Drive, Gaithersburg, MD 20899, Attn: Dr. Julie Haney, julie haney@nist.gov.