

QSF18 Introductory and Background Surveys, and Reminder Confirmation

Table of Contents

QSF18 Introductory and Background Surveys, and Reminder Confirmation.....	1
Introductory page, implied informed consent and eligibility.....	1
Implied consent.....	2
Eligibility to participate.....	3
Background Survey.....	6
Social and demographics questions.....	8
Education.....	8
Self-assessment of hearing ability.....	9
House construction and home noise environment.....	10
Attitudes and experience with neighborhood noises.....	11
Length of time in current home; Single Event and Daily Summary instructions.....	12
End of Background Survey Thank You.....	13
Enrollment Reminder Message.....	13
Receipt of Reminder Confirmation.....	13
Reminder Confirmation Thank You.....	14

Introductory page, implied informed consent and eligibility

The QSF 18 survey link is: <http://src.survey.psu.edu/qsf18/>

QSF 18 Introductory page is shown at the top of the screen. Links to surveys are provided at bottom. The links will not be on the introductory page, as each participant will be sent a unique personal access link. All surveys are timed stamped, both start and finish.

QSF18 Study

You are invited to participate in a NASA sponsored research survey about the sounds of supersonic flight. You must be at least 18 years of age to participate. To register as a participant, click the button

[\(button here\)](#)

To read about the study on nasa.gov, go to:
[Quiet Supersonic Flight Community Response](#)

The survey is being conducted by the [Penn State Survey Research Center](#)

The following are the links for the single event, daily and post feedback surveys. These links will not appear to respondents during the flights, as the respondents will receive personal links to each survey.

Single Event Survey:

[\(single event\)](#)

Daily Summary Survey:

[\(daily summary\)](#)

Post Feedback Survey:

[\(post feedback\)](#)

Hit Click to Begin.

Implied consent

Online Survey Software | X

s://pennstate.qualtrics.com/jfe/form/SV_eEWeMqcOveKIGTH

PennState

This information collection meets the requirements of 44 U.S.C. § 3507 as amended by section 2 of the Paperwork Reduction Act of 1995. The OMB control number for this collection is 2700-XXXX, which expires on MM/DD/YYYY. We estimate that it will take 15 minutes to read the instructions and answer the questions. Send any comments relating to our time estimate to psr18@psu.edu.

QSF18 Implied Consent and Background Survey

Smart phone/web based implementation

Thank you for volunteering to participate in this NASA research study to gather opinions about the perception of sonic thumps. We appreciate your participation, which is voluntary and confidential. You will receive compensation of \$25 per week for the two weeks of the survey for a total amount of \$50 as an expression of appreciation. If there is a question you do not want to answer, you may skip that question and move on to the next question. Your responses will be associated with your participant number and summarized so that the answers you provide cannot be associated with you or your household. You must be 18 years of age or older to consent to participate in this research. *Responding to the survey questions implies your consent to participate in this background survey, and in the upcoming two week research study.*

During the research study you will go about your normal activities, and there will be supersonic flights in your area. The flights will produce audible sounds called sonic thumps. This muffled sound is very different from the sonic booms you have heard about – or may actually have heard – in the past. In fact, you may not even hear the sonic thumps at all. When a sonic thump occurs, you will be asked to provide information about your location and your perception of the sound.

You will be randomly assigned into one of two groups, one that receives reminders to listen for sonic thumps, and one that does not. The “no reminder” participants will simply respond when they hear a sonic thump. If you are in the reminder group, you will be sent reminders throughout the day. The message will read: “Did you just hear a sonic thump? Please click on the survey link, indicate your location, and answer yes or no. If your answer is yes, please complete the survey questions”. This message will sometimes be sent after a sonic thump and sometimes just as a reminder to listen. For all participants, please provide your responses as soon as possible after hearing each sonic thump. You will also be asked to complete a short daily survey at the end of each day, providing a rating of your perception of the sounds overall during that particular day. At the end of the research study we will provide the opportunity for your feedback on the surveys.

Participants have the option to use their own smart phones or other mobile devices to respond using the Qualtrics app, a mobile survey tool. Alternatively, you may choose to complete the surveys on the web. If you use your mobile device, we ask that you have location services activated on the mobile device you use to complete the survey. Your response location is required so that we can associate your location with the sound measured at the nearest noise monitor. You will need either Wi-Fi or Cellular connection access in order for your device to respond. ***Please ensure that location services is turned on when you respond to the surveys.***

To turn on location services for iPhone:

1. Go to Location in your iPhone's Settings by tapping: Settings > Privacy > Location Services.
2. Agree to allow location access always or while using the Survey application.

To turn on location services for Android:

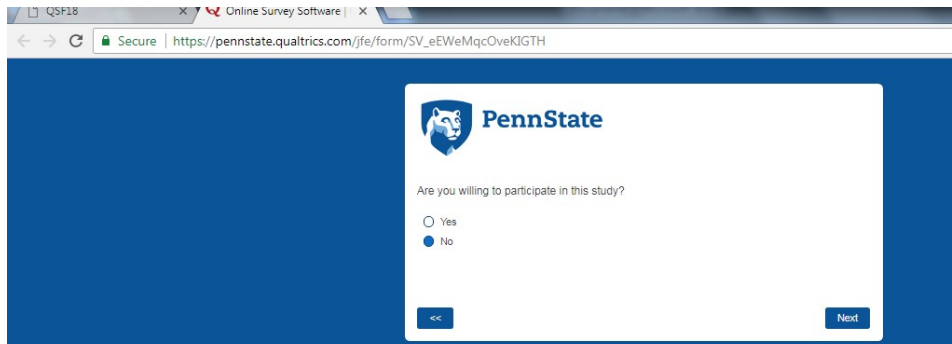
1. Go to Location in Settings by Tapping Settings > Personal>Location.
2. Agree to allow location access always or while using the Survey application.

Every effort will be made to ensure the confidentiality of your identity and the data that you provide. Your participation is voluntary, so you may stop at any time, but your payment will be pro-rated for the time of participation. Please notify the researchers if you decide to withdraw from the study. Ethical review of this research study was provided by the NASA Institutional Review Board. If you have any questions regarding your rights as a research subject, how to volunteer or exactly what is expected of you, feel free to email the investigators at QSF18@nasa.gov. If you have technical difficulties with the survey applications please contact the Penn State Survey Research Center at 1-800-648-3617.

Next


Eligibility to participate

Willing to participate:



QSF18 Online Survey Software | X

Secure | https://pennstate.qualtrics.com/jfe/form/SV_eEWemqcOveKIGTH

 **PennState**

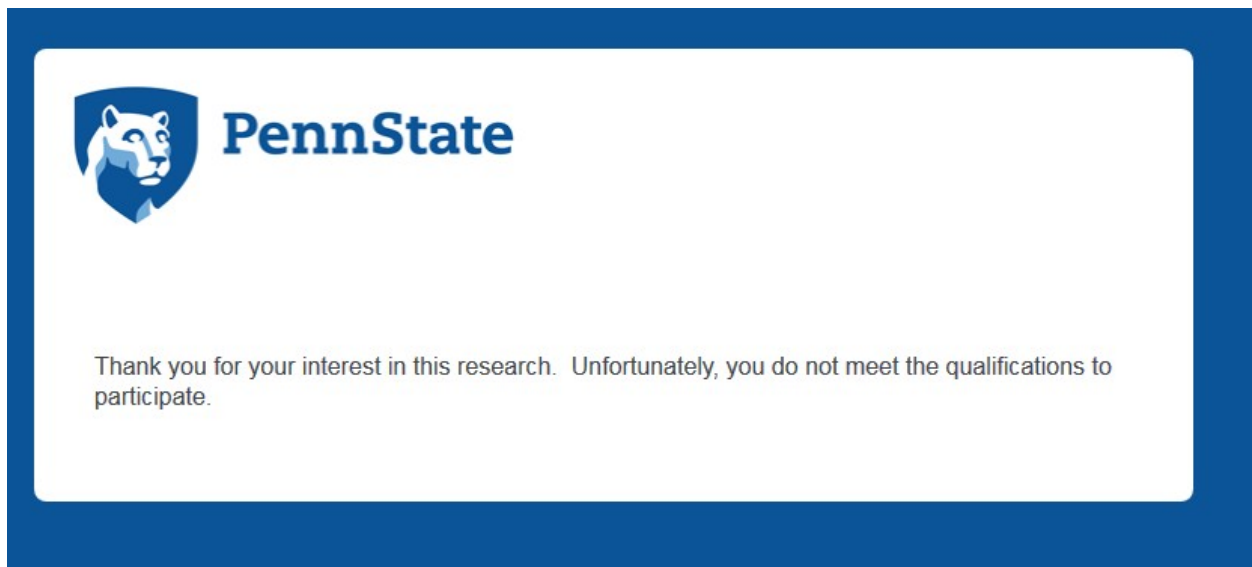
Are you willing to participate in this study?


Yes

No

<< Next

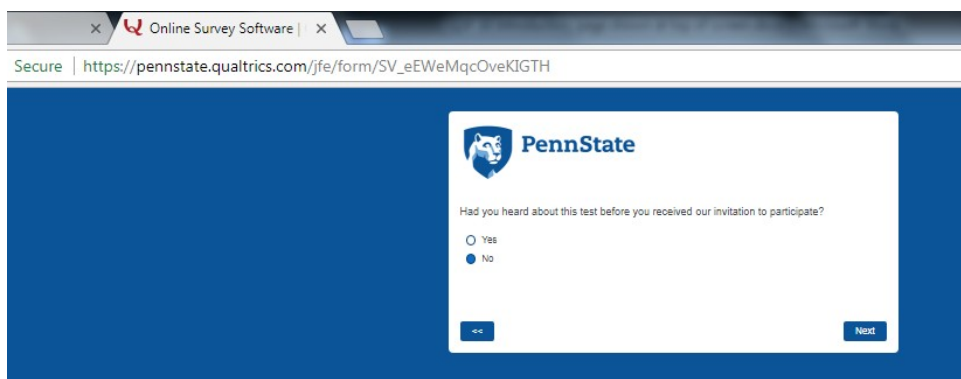
If answer to willing to participate is No:



 **PennState**


Thank you for your interest in this research. Unfortunately, you do not meet the qualifications to participate.

If answer to willing to participate is Yes, inquire about prior media exposure:



Online Survey Software | X

Secure | https://pennstate.qualtrics.com/jfe/form/SV_eEWemqcOveKIGTH

 **PennState**

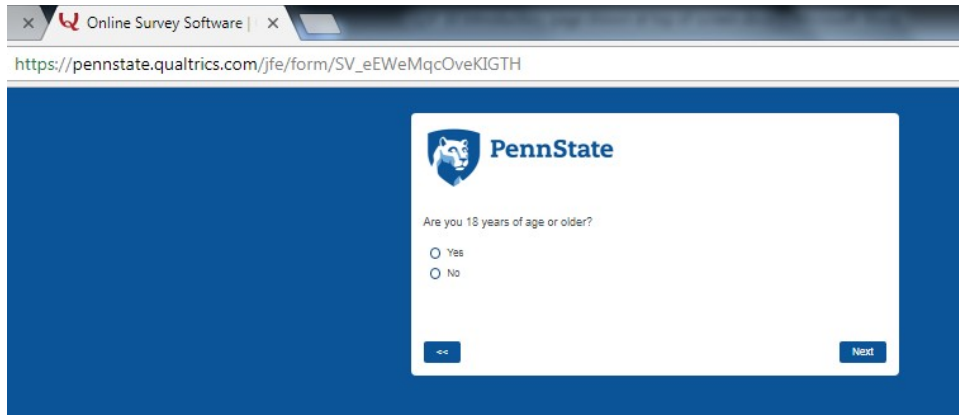
Had you heard about this test before you received our invitation to participate?

Yes

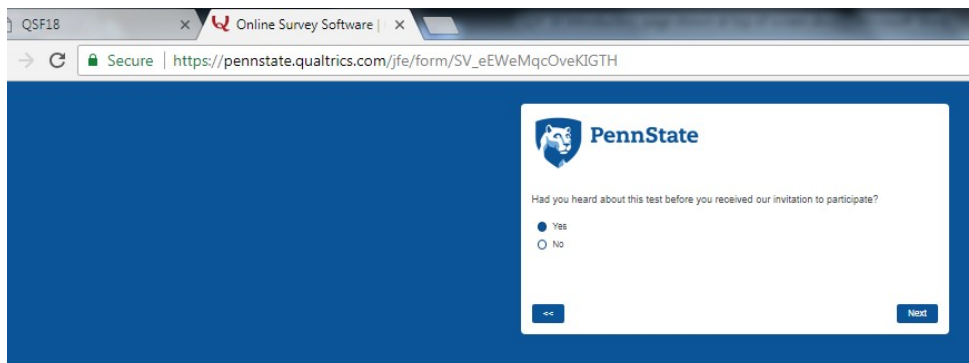
No

<< Next

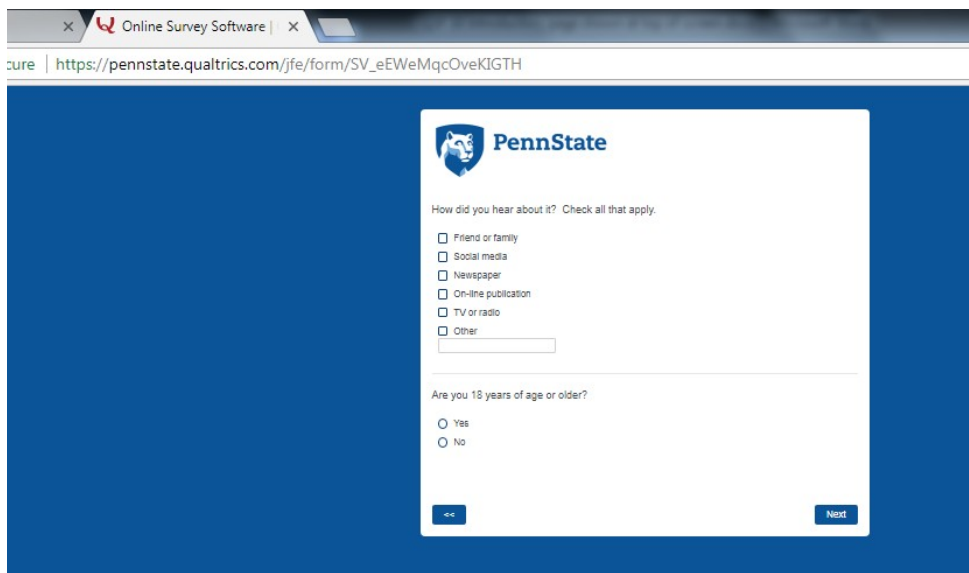
If answer to prior media exposure to test is No, inquire about age:



If answer to prior media exposure to test is Yes:



Inquire about media sources and age:



If answer to 18 years of age or older is No:



PennState

Thank you for your interest in this research. Unfortunately, you do not meet the qualifications to participate.

If answer to 18 years of age or older is Yes:

Online Survey Software | X

ure | https://pennstate.qualtrics.com/jfe/form/SV_eEWemqcOveKIGTH

PennState

Are you 18 years of age or older?

Yes
 No

<< Next

If answer to 18 years of age is Yes, inquire about locations:

Online Survey Software | X

| https://pennstate.qualtrics.com/jfe/form/SV_eEWemqcOveKIGTH

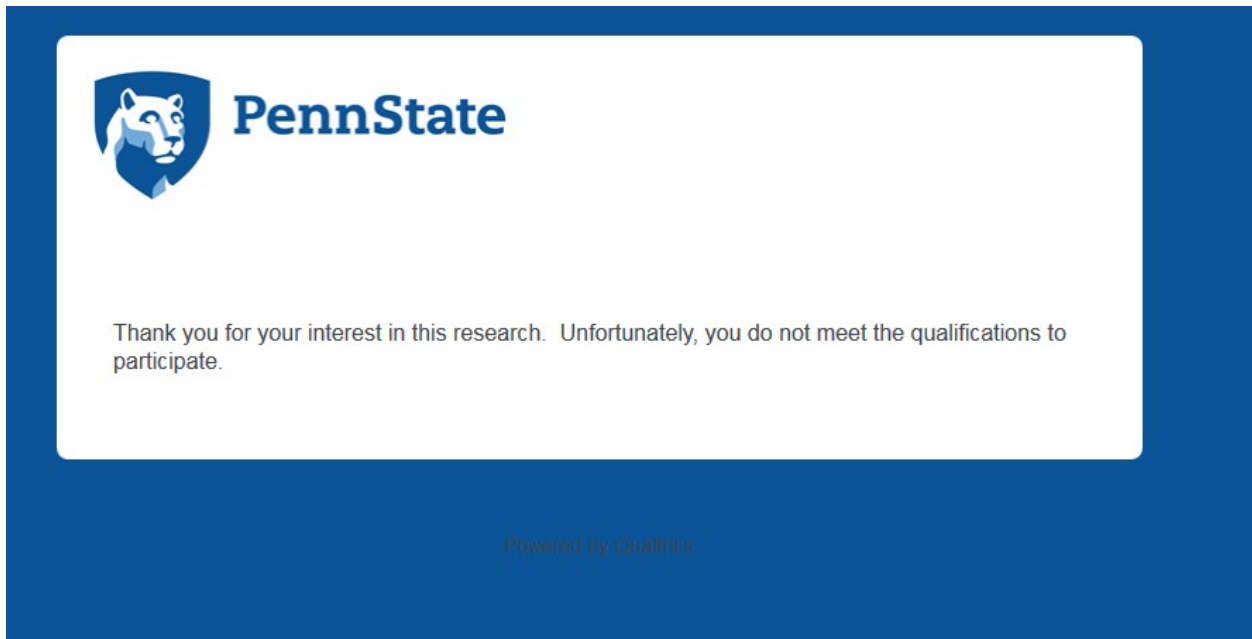
PennState

Are both your home and work addresses within the area of Hitchcock, Port Bolivar, Texas City, Tiki Island or Galveston?

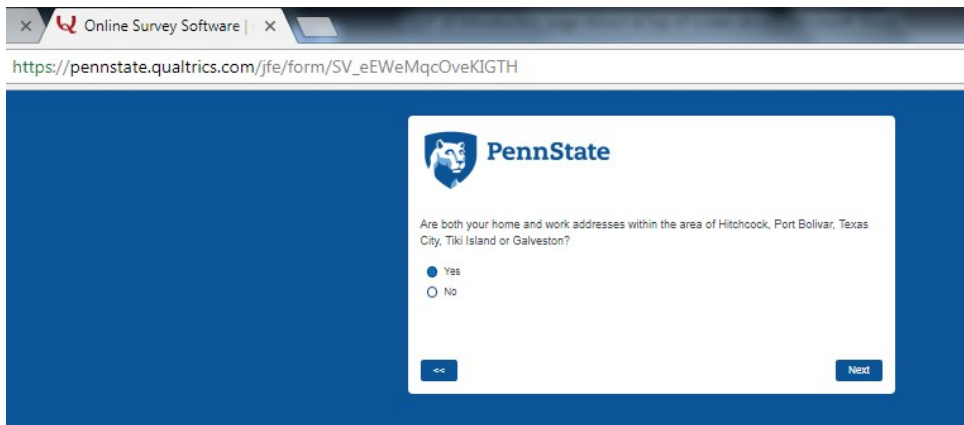
Yes
 No

<< Next

If locations answer is No:



If locations answer is Yes:



END of Informed Consent and Participation Eligibility Questions. Begin with Background Survey.

Background Survey

New Survey. No back button to eligibility questions.



PennState

Please provide your name.

Please provide the street address and or building where you are during most of the work day.

Street address

City

Zip

Please provide your home address.

Street address

City

Zip

Please provide your cell phone number and email address. Providing this information implies your consent for us to contact you by cell phone, text message or email.

Cell phone number

Email address

Can you receive text messages throughout the day?


Yes

No

Next

You must provide cell phone or email to proceed.

Social and demographics questions

**PennState**

Social and Demographic Characteristics

What is your gender?

Male

Female

In what year were you born? [Enter 4 - digit year]

Including yourself, how many people live in your household?

[<<](#) [Next](#)

**PennState**

Do any children under the age 6 live in your household?

Yes

No

[<<](#) [Next](#)

Powered by Qualtrics



PennState

Including yourself, how many adults (age 18 or older) live in your household?

<<

Next

Powered by Qualtrics

Education



PennState

What is the highest grade or year of schooling that you completed?

- Grades 1 to 11
- 12th Grade No Diploma
- High School Graduate or Equivalent (GED)
- Some college, technical school, or 2-year degree
- Bachelor's Degree (BA, AB, BS)
- Some graduate work (no degree)
- Masters, Doctoral, or Professional degree

<<

Next

Self-assessment of hearing ability



PennState

Do you believe that your hearing is normal? How would you characterize your hearing ability?

Normal

Somewhat diminished

Severely diminished

<< Next >>

If hearing ability is diminished, inquire about hearing aids.



PennState

Do you have and wear a hearing aid, or hearing aids?

I wear a single hearing aid

I wear two hearing aids

I have hearing aids that I don't wear

I don't have and do not wear hearing aids

<< Next >>



PennState

Do you believe that your hearing is normal? How would you characterize your hearing ability?

- Normal
- Somewhat diminished
- Severely diminished

<<

Next

If hearing ability is normal, proceed with House construction questions.

House construction and home noise environment



PennState

Which of the following best describes the type of *home* in which you live?

- Single-family detached (no common walls)
- Duplex or single-family attached (at least one common wall)
- Apartment building/condominium or dormitory
- Other

Which of the following best describes the construction type of the building in which you work?

- Single residence type
- Warehouse or flat box store
- Single level office/school/commercial
- Multi-floored office/school/commercial (2-3 floors)
- Mid-rise multi-story (4 -11 floors)
- High-rise multi-story (12 - 39 floors)
- Skyscraper multi-story (40+ floors)

How quiet or loud do you expect it to be in your home?

- Very quiet
- Somewhat quiet
- Neither quiet nor loud
- Somewhat loud
- Very loud

The research team may need to put noise monitoring equipment in residents' yards for the duration of the test. Would you be willing to have noise monitoring equipment located outdoors on your property?


- Yes
- No
- Depends (Please contact us with questions or for additional information)

<<

Next

Attitudes and experience with neighborhood noises

'SV_eEWeMqcOveKIGTH


**PennState**
Attitudes and Experience with Neighborhood Noises

We're interested in the noises that people hear in their neighborhood. Do you think your neighborhood is quiet or noisy or about average?

Quiet
 Noisy
 Average

<< Next >>

orm/SV_eEWeMqcOveKIGTH

**PennState**

For each statement, please indicate if you strongly disagree, moderately disagree, neither agree nor disagree, moderately agree or strongly agree.

	Strongly disagree	Moderately disagree	Neither agree nor disagree	Moderately agree	Strongly agree
I believe that people have a hard time getting used to noise.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I believe that with time most people adapt to noise.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I believe that with time I can adapt to noise.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I believe that with time I can get used to even the loudest noise.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

<< Next >>



PennState

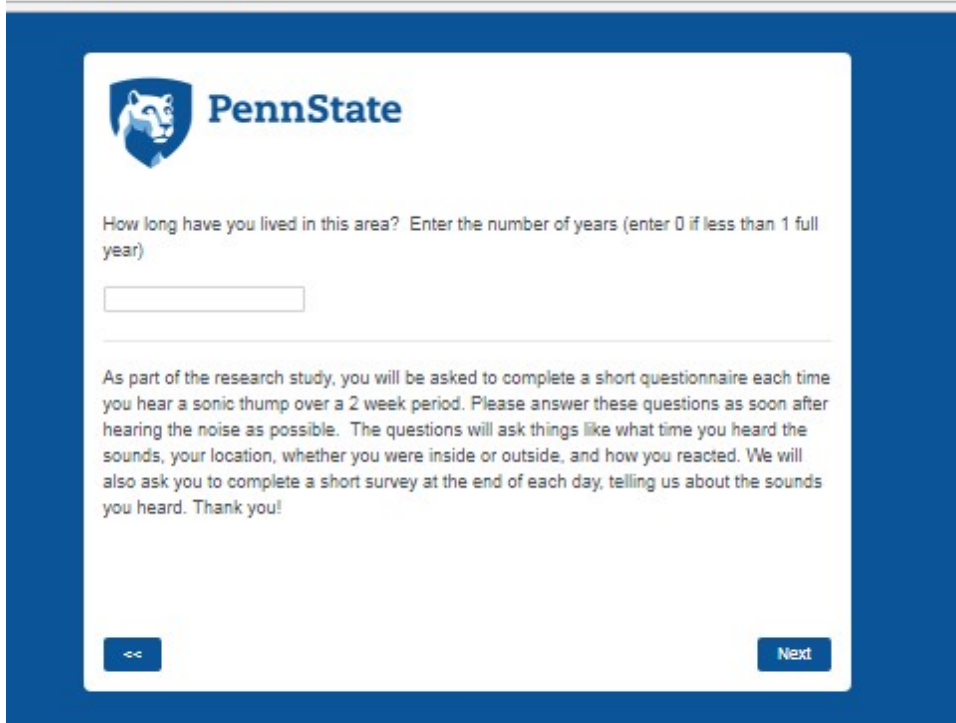
Next is a list of noises that might occur in your neighborhood. Please indicate how much each noise bothers, disturbs or annoys you. When you are at home, how much does noise from the indicated noise source bother, disturb, or annoy you?

	Not heard/ Not at annoyed	Slightly annoyed	Moderately annoyed	Very Annoyed	Extremely annoyed
Barking dogs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Thunder	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Street traffic such as cars, trucks or motorcycles	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Commercial aircraft noise	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Military aircraft noise	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

<<

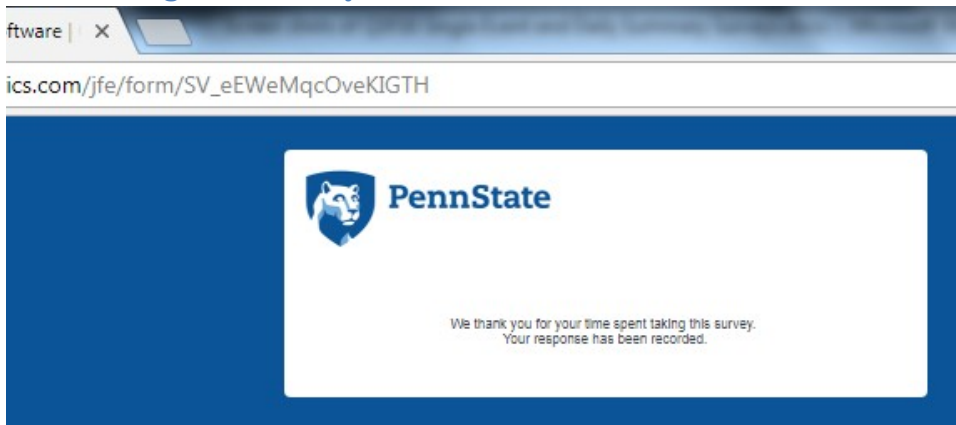
Next

Length of time in current home; Single Event and Daily Summary instructions



The screenshot shows a survey form with the PennState logo at the top left. The main heading is "Length of time in current home; Single Event and Daily Summary instructions". Below the heading, there is a question: "How long have you lived in this area? Enter the number of years (enter 0 if less than 1 full year)". A text input field is provided for the answer. Below the input field, there is a paragraph of text explaining the research study: "As part of the research study, you will be asked to complete a short questionnaire each time you hear a sonic thump over a 2 week period. Please answer these questions as soon after hearing the noise as possible. The questions will ask things like what time you heard the sounds, your location, whether you were inside or outside, and how you reacted. We will also ask you to complete a short survey at the end of each day, telling us about the sounds you heard. Thank you!". At the bottom left, there is a blue button with a double left arrow "<<". At the bottom right, there is a blue button labeled "Next".

End of Background Survey Thank You




The screenshot shows a survey form with the PennState logo at the top left. The main heading is "End of Background Survey Thank You". Below the heading, there is a paragraph of text: "We thank you for your time spent taking this survey. Your response has been recorded." The form is set against a blue background.

Enrollment Reminder Message

Qualtrics will generate a unique link for each respondent. The reminder message will read: You recently volunteered for a NASA sponsored study. You are in the reminder message group, so please click the link to verify: (Qualtrics generated small link).

Receipt of Reminder Confirmation

**PennState**

This information collection meets the requirements of 44 U.S.C § 3507 as amended by section 2 of the Paperwork Reduction Act of 1995. The OMB control number for this collection is 2700-xxxX, which expires on MM/DD/YYYY. We estimate that it will take 1 minute to read the instructions and answer the questions. Send any comments relating to our time estimate to qi18@nasa.gov.

This question is for confirmation that you received the text message reminder. Please select: "I received the text message" and press "submit"

I received the text message

Submit

Reminder Confirmation Thank You

**PennState**

We thank you for your time spent taking this survey.
Your response has been recorded.