

Generic Information Clearance for CDC/ATSDR

Formative Research and Tool Development

Title: Determination of Attitudes Regarding Noise in Construction

Supporting Statement B

November 15, 2019

Contact Information :

Bryan Beamer
CDC/NIOSH/DFSE/EPHB
513-533-8308
zmy4@cdc.gov

Table of Contents

Collection of Information employing Statistical Methods

1. Respondent Universe and Sampling Methods
2. Procedures for the Collection of Information
3. Methods to Maximize Response Rates and Deal with Nonresponse
4. Tests of Procedures or Methods to be Undertaken
5. Individuals Consulted on Statistical Aspects and Individuals Collecting and/or Analyzing Data

B. Collections of Information Employing Statistical Methods

1. Respondent Universe and Sampling Methods

The respondent universe *Group A*: Construction Company Owners/Senior Executives and Equipment Purchasing Decision-Makers; *Group B*: Construction Supervisor/Foremen; and *Group C*: Construction Workers.

Recruiting will happen in this way:

Group A: Construction Company Owners/Senior Executives and Equipment Purchasing Decision-Makers – These individuals will be recruited from databases belonging to recruiters employed by The Hannon Group. These databases consist of companies, contact names, and/or contact information of potential respondents (Company Owners/Senior Executives and Equipment Purchasing Decision-Makers) across the United States. After contact is made, recruiters will ask them screening questions via telephone in order to ensure that they are qualified to participate in this study. Those who are qualified will be asked to participate in a one-on-one in-depth interview (IDI).

Group B: Construction Supervisor/Foremen – These individuals will be recruited from databases belonging to a focus group facility retained by The Hannon Group to recruit, schedule, and host the Construction Supervisor/Foremen focus group. These databases consist of companies, contact names, and/or contact information of potential respondents (Construction Supervisors and Foremen) in the Greater Baltimore/Washington D.C. area. After contact is made, recruiters will ask them screening questions via telephone in order to ensure that they are qualified to participate in this study. Those who are qualified will be asked to participate in an in-person focus group.

Group C: Construction Workers – These individuals will be recruited from databases belonging to a focus group facility as well as from databases and the network of an independent qualitative researcher retained by The Hannon Group to recruit, schedule, and host the Construction Worker focus groups. These databases and networks consist of companies, contact names, and /or contact information of potential respondents (Construction Workers) in the Greater Baltimore/Washington D.C. area. After contact is made, recruiters will ask them screening questions via telephone or in person in order to ensure that they are qualified to participate in this study. Those who are qualified will be asked to participate in an in-person focus group.

2. Procedures for the Collection of Information

Group A (Construction Company Owners/Senior Executives and Equipment Purchasing Decision-Makers) will be asked questions via web-enabled telephone interview over a 30-minute period.

The web-enabled telephone interviews will be held at the date and time of the respondent's choosing (within the allowable data collection window and providing that the interviewer is available to conduct the interview at that day and time). They will be able to participate in the interview at the place of their choosing.

For the web-enabled telephone interviews, the recruiters will work out dates and times that work for both the respondent and interviewer.

Groups B (Construction Supervisor/Foremen) and C (Construction Workers) will participate in 90-minute focus groups comprised of 12 participants per focus group.

The in-person focus groups will be held in the greater Baltimore – Washington D.C. area. The English-language focus groups will be held at a focus group facility in Catonsville, Maryland. The Spanish-language focus groups will be held at a community center in Prince George’s County, Maryland.

As part of the focus group recruitment process, potential respondents will be notified as to the time, date, and location of the focus groups. Their notice may range from as much as several weeks, depending on the precise start time of the recruitment process to as little as the same day the focus group is held. In most cases, the focus groups are fully recruited at least two or three days prior to the day the focus group is scheduled to be conducted.

This is a qualitative research study, so the data to be evaluated will be, primarily, in the form of the transcripts developed from each of the focus groups as well as in-depth interviews. All discussions will be audio-recorded unless the respondent specifically declines to be recorded, in which case notes will be taken to provide a written record of the interview.

In total, there will be four focus group transcripts developed by The Hannon Group. The two English-language focus groups (one Supervisor/Foremen focus group and one Construction worker focus group) will be in English. For the two Spanish-language focus groups with Construction Workers, those Spanish-language transcripts will be back-translated into English.

There will be a total of 20 In-Depth Interview transcripts, 10 with Construction Company Owners/Senior Executives and 10 with Construction Company Equipment Purchasing Decision-Makers. All of these transcripts will be in English.

The information collected by The Hannon Group will be delivered to NIOSH in the form of the aforementioned written focus group and In-Depth Interview transcripts as well as a written final report and via verbal teleconferences.

3. Methods to Maximize Response Rates and Deal with No Response

Incentives will be used to maximize cooperation and to achieve the desired high response rate. We propose different incentives for volunteers based on whether they are participating in-person in Focus Groups or In-Depth Interviews:

- In-Depth Interview Participants to receive gift certificates for the amount of \$75 per person
- Focus Group Participants to receive gift certificates for the amount of \$75 per person

In order to maximize response rates, the Spanish-language focus groups will be recruited by a figure who is known and trusted in Latino communities in the Greater Baltimore – Washington D.C. area. The focus groups will be held at a local community center, where the respondents will feel comfortable congregating for an in-person discussion.

For the English-language focus groups, The Hannon Group will be working closely with an established Maryland-based focus group facility with extensive recruitment capabilities.

For the In-Depth Interviews, The Hannon Group’s recruiters will reach out to our nationwide database with those in the construction industry. We would email them, then follow up with a phone call, and if needed email again and also place two additional follow-up calls (for a maximum of three phone calls). We would also cold call companies if our database was not achieving the recruiting needs. We would fax, email, and call, potential respondents 2 – 3 times using each method of contact. If necessary, we would post on social media as well as request to post a paid ad on social media to see if that bolstered response rates, or offer referral incentives to gatekeepers or employees that could get the owner/senior

executive/decision-maker to participate, with referral incentives (if necessary) of up to \$75 apiece. Our database is quite responsive, with a 75% response rate. Should we be compelled to include cold calling as part of our recruitment process, we estimate a 10% response rate among the population that is cold called.

For the focus groups, we would utilize our proprietary databases to identify potential respondents for both the English-language (Construction Worker and Construction Supervisor/Foremen) and Spanish-language (Construction Worker) in-person focus groups. Our focus group facility has hundreds of tradespeople and contractors who have opted into our system. In a typical recruitment process, our facility typically makes up to 3 phone calls and two email attempts to reach respondents. From their databases, we typically obtain response rates in the 65% - 75% range. Similarly, our Spanish-language recruiter will utilize her databases and network of potential respondents in order to recruit for the Spanish-language Construction Worker focus groups. Her primary method of contact will be telephone, with up to 3 phone calls per respondent, augmented with email contacts when that information is available/a preferred contact method. Response rates should be in the 65% - 75% range when using her databases/network resources. For both the focus group facility and the Spanish-language recruiter, cold calls would likely witness a response rate around 10%.

The content of the contacts will center on the opportunity for the potential respondent to share their thoughts on important health and safety issues. Other salient information, such as incentive amounts and the day and time of the focus groups will also be imparted to the potential respondents. For the In-Depth Interviews (IDIs), our content will include messaging that notes our flexibility in scheduling their interviews in order to make their participation as convenient as possible for the potential IDI respondent.

4. Test of Procedures or Methods to Be Undertaken

Data will be analyzed using narrative and thematic content analysis.

5. Individuals Consulted on Statistical Aspects and Individuals Collecting and/or Analyzing Data

Contractors from Hannon Group LLC will be collecting and analyzing data these persons include the following:

Hannon Group, LLC personnel who designed the data collection: Jason Booms and Dr. Everly Macario

Hannon Group, LLC personnel who will collect the data: Jason Booms

Hannon Group LLC personnel who will analyze the data: Jason Booms

The NIOSH Project Officer responsible for receiving and approving all contract deliverables is Dr. Bryan Beamer of the Division of Field Studies and Engineering.