



# **Critical Infrastructure Protection in the National Capital Region**

**Risk-Based Foundations for Resilience and  
Sustainability**

**Final Report, Volume 16:  
Community Shielding in the National Capital  
Region: A Survey of Citizen Response to  
Potential Critical Incidents**

**September 2005**

**University Consortium for Infrastructure Protection**

Managed by the  
Critical Infrastructure Protection Program  
School of Law  
George Mason University

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## Risk-Based Foundations for Resilience and Sustainability

### Final Report, Volume 16: Community Shielding in the National Capital Region: A Survey of Citizen Response to Potential Critical Incidents

Submitted in fulfillment of:

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University Consortium for Infrastructure Protection

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**-- Notice --**

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# Community Shielding in the National Capital Region

## *A Survey of Citizen Response to Potential Critical Incidents*

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June 2005



# **Community Shielding in the National Capital Region**

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## ***A Survey of Citizen Response to Potential Critical Incidents***

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## Executive Summary

When a terrorist attack or another disaster occurs, individual and community responses will be the most important predictors of survival. How can a community ‘contain contagion’ after an attack with a dirty bomb or a biological agent? Although highways leading from an attacked metropolitan area may be seductive, they may be roads to nowhere, leaving citizens trapped and vulnerable.

In most cases, remaining at home or other safe havens in the community will provide the greatest personal security. This is true in terms of physical and emotional safety, since people make their best decisions when they are in stable, familiar environments, and make their worst decisions when in unstable, unfamiliar environments. This study explores how places of refuge may be supported through “community shielding,” a wider form of shelter-in-place.

When communities are deployed to provide support for shelter-in-place, there is less chance for first responders to be overwhelmed by unnecessary and dangerous evacuation attempts. Government, medical disaster response, faith-based, private sector, and other groups are freed up to offer critical services to persons with unique needs, such as the homeless and persons with physical limitations. Additionally, responders can target shielded communities for delivery of essential supplies.

The community shielding concept was endorsed in a recently released report entitled *Public Preparedness: A National Imperative Symposium* (2005). This report was a collaboration between the Homeland Security Policy Institute of GWU, Department of Homeland Security, the Council for Excellence in Government and the American Red Cross.

This report describes the results of a telephone survey of 1,071 households within the National Capital Region, conducted in March of 2005 to investigate attitudes toward public preparedness consistent with a community shielding approach. The survey was conducted by the Center for Survey Research at the University of Virginia. This survey specifically assesses emergency

preparedness, public knowledge of biological and nuclear threats, finding safety in an emergency, obstacles to sheltering in place, sources of information in an emergency, and attitudes toward anti-terrorism policies.

## Key Findings

Many National Capital Region residents have prepared themselves for an emergency by storing food, water, and other essentials in their homes. However,

- Over a quarter have no food available in the event of an emergency,
- Forty percent have no water stored away,
- About half of residents do not feel they would be able to shelter at home for more than a week, and
- Only 23.2 percent of respondents have a designated emergency meeting place.

The survey asked about preferred destinations when an evacuation is warranted.

- Over half said they would go to a friend or relative’s home;
- Only about ten percent would go to a shelter.

In terms of distance from the hazard,

- Two thirds would travel over 20 miles away,
- About twelve percent would stay less than 20 miles away, but not near the affected area, and
- One fifth would stay just outside the affected area

Lower Socio-economic status (SES) households and people more attached to their communities are more likely to stay nearby.

When asked about notifying residents who should evacuate, respondents were split evenly on whether they wanted to be notified by distance from the hazard or by zip code. Fewer than a third of residents know their 9-digit zip codes.

The majority of respondents would follow authoritative advice to shelter in place in the event of a terrorist emergency.

- Eighty-four percent would be willing to shelter at home for 48 hours in the event of a dirty bomb attack.

- Three-quarters were willing to shelter at work for 48 hours in the event of a dirty bomb attack.
- Over half were willing to shelter at home for two weeks in the event of a smallpox attack.

Although most would comply, there remain sizable portions of the NCR population that are unwilling or unable to shelter. Residents who are more strongly attached to their community are more willing to shelter at home. Nonetheless, residents need to know that loved ones are being cared for if families are separated, as many would face danger to be with family and friends. Bringing food, water, and needed supplies directly to confined residents would significantly increase cooperation. The need for information about the crisis and communication with loved ones is also a priority during any shelter-in-place scenario. For situations in which residents must be confined at home for a long period, most do not feel that boredom or restlessness would be a serious problem.

Respondents said local television news, local radio, and national television news were the preferred sources for information about what to do in the event of a terrorist attack. National news programs and personal physicians were seen as the most reliable sources, whereas local religious leaders and the city mayor were seen as the least reliable. Respondents also identified shopping centers as locations where they would be comfortable receiving specific security education about their area.

Respondents showed varying levels of confidence that different services would be available in an emergency. They felt that radio and health care facilities would still be functioning, but only half felt public transportation, cell phone, cable TV, and internet access would be.

Respondents' opinions were mixed as to how prior local emergencies had affected their confidence in the ability of local government to manage emergencies.

- Almost half said that prior experience had made them more confident, but

- More than a third said that it had made them less confident.
- Virginia and Maryland residents were over twice as confident as those in DC.
- The overwhelming majority, 85 percent, said they would strictly follow local government instructions in the event of an emergency.

When asked who should keep the United States safe from terrorism,

- Over half said the federal government, and
- Slightly less than a third said federal government, local government, and the individual all share equally.

The majority said they would be willing to undergo increased inconveniences if it would help the government protect them, but opinions were mixed when asked if the government had taken away too many individual rights in its efforts to combat terrorism, or if they would be willing to pay more taxes for more protections. Most respondents who were familiar with the Patriot Act said that it should be revised.

## Recommendations

In the event of a biological or radiological attack, simply telling NCR residents to shelter in place would not be effective for everyone. Most residents are willing to shelter in place and follow the advice of authorities in an emergency, but many do not have the resources to do so.

If plans were made by localities to bring food, water, medications, and other needed supplies directly to residents' homes or businesses, residents would respond favorably. To be most successful, such an approach must also attempt to keep families together, or at the very least have a way to let residents know their loved ones are safe.

Educational efforts are warranted to ensure the public is prepared for a crisis of this nature. Further study is recommended to develop a community shielding and emergency preparedness plan for the NCR. Additional surveys are warranted to assess community response to this concept in other areas of the United States.

## Acknowledgements

This report details the citizen response to potential critical incidents conducted for the Critical Incident Analysis Group, under contract with the Center for Survey Research of the University of Virginia. All those connected with this project are grateful to the hundreds of National Capital Region residents who have given of their time to answer many detailed questions in order to help their government better serve them.

Thomas M. Guterbock, Ph.D, Director of the Center and Associate Professor of Sociology, has been the principal investigator from the commencement of these studies, and has been involved in all phases of the project, including budgeting, questionnaire drafting, focus groups, logistical planning, data analysis, and editing this report.

Gregory B. Saathoff, M.D., Executive Director of the Critical Incident Analysis Group at the University of Virginia School of Medicine, served as principal investigator and as primary point of contact between CSR and the CIAG on all aspects of the project. He participated actively in the design of the questionnaire, development of the research questions, and in guiding the development of this report.

Monnica Williams, M.A., Research Analyst, was the project coordinator for this study. Ms. Williams developed the questionnaire, assisted with the focus groups, was responsible for writing and debugging of the computer-assisted telephone script, supervised the data analysis and data coding, and drafted most of the text of this report, which was then edited jointly with Dr. Guterbock.

John Lee Holmes, M.A., Acting Senior Research Analyst, managed the operation of the CATI laboratory during the interviewing phase of this study, acquired the sample used, and wrote the methods report.

Anna MacIntosh, M.A., Senior Research Analyst, performed most of the statistical analyses for this report and wrote three chapters.

Robin Bebel, Assistant Director, was involved with the project from the beginning and was instrumental in the development of the questionnaire. She also wrote initial drafts of two chapters of this report and assisted with the editing and proofreading.

Paul Miller, Ph.D., drafted the analysis plan and worked on much of the initial analysis. Ms. Deborah Rexrode assisted with the analysis and compiled most of the figures and tables. Ms. Tatiana Omeltchenko, proofread the report, edited many of the figures and tables, and assisted with the table of contents. Mr. Greg Clumpner worked on the advanced stages of the CATI programming to ensure proper question rationing and a problem-free instrument.

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*The Center for Survey Research is responsible for any errors or omissions in this report. Questions may be directed to the Center for Survey Research, P.O. Box 400767, Charlottesville Virginia 22904-4767. CSR also may be reached by telephone at 434-243-5222; by electronic mail at [surveys@virginia.edu](mailto:surveys@virginia.edu), or via the World Wide Web at: <http://www.virginia.edu/surveys>.*

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## Chapter 1: Introduction

The survey of Citizen Response to Potential Critical Incidents was conducted by the University of Virginia's Center for Survey Research (CSR) in the spring of 2005. The survey was commissioned by the university's Critical Incident Analysis Group (CIAG) on behalf of a consortium of universities in the Washington, D.C. area. This consortium forms the National Capital Region Project, which includes Washington, D.C. and adjoining parts of Virginia and Maryland. Funding for this research was provided by the US Department of Homeland Security.

This introduction will serve to establish and define the key elements of this study. A brief description of questions asked and analysis done will be provided, as well as a summary of the methods used to collect the data. Finally, there will be a description of the demographics of the sample of residents interviewed.

### Research Questions

When a terrorist attack or another localized disaster occurs, individual and community responses will be the most important predictors of survival. Preparation for disaster is a key component.

As defined by CIAG, a critical incident is an event that threatens a significant risk of injury, loss, or destructive conflict that has the potential to significantly change or conform our culture. This covers a lot of possibilities; this survey limits itself to terrorism and focuses on two types of events, biological and radiological terrorism. These two types of terrorism are represented by two hypothetical scenarios: a potential release of smallpox and the possibility of a "dirty bomb" explosion. Both scenarios require a significant amount of time before the community is safe again.

One of the goals of this survey is to examine how to best 'contain contagion' after such an attack. The concept of "community shielding" proposes that citizens remain in a safe place, with necessities provided by community or government resources, until the threat abates

(Saathoff and Everly, 2002; CIAG 2002). This involves more than just asking citizens to "shelter in place" until safe. To be successful, community shielding requires tailoring to community-specific special needs.

This initial telephone survey of 1,071 randomly selected residents of the National Capital Region (NCR) was designed to form the basis of more extensive research into issues raised by the possibility of some future incident. While the results of this study may be limited, they provide a starting place for further discussion and research into the following critical questions:

- To what extent have residents prepared their households for an emergency situation?
- How familiar is the public with specific terrorist threats, such as a dirty bomb or smallpox?
- Would residents respond to an attack by staying at home or evacuating spontaneously?
- How would this change if authorities instructed them to evacuate? To stay in place?
- How do evacuation intentions vary in relation to a resident's degree of community attachment?
- Where, specifically, would residents go to find a "safe haven," a place to be safe and stay put?
- What features of a location lead to it being perceived as a "safe haven?"
- What proportion of residents would be willing to shelter in place for specific, defined periods?
- What can localities provide to meet the public's needs while sheltering in place?
- What are the obstacles to sheltering in place?
- How do the specific obstacles vary in relation to demographics and the degree of community attachment?
- What sources of aid and information are trusted by residents?
- How much confidence do residents have in specific infrastructure sectors in case of attack?
- Do experiences in prior, real local emergencies make NCR residents more

- or less confident in the ability to manage an attack?
- How do residents feel about current government efforts to fight terrorism?

Many of these concepts are relatively new and efforts to implement them are in preliminary stages. This survey will provide information that will better inform the government's ability to effectively anticipate, prevent, and manage critical incidents.

Each chapter in this report provides a descriptive summary of a different aspect of the concept of community shielding. Chapter 2 begins by addressing emergency preparedness and the extent to which citizens are ready to withstand some potential event. Chapter 3 continues this line of inquiry by examining how likely citizens are to heed emergency instructions, where they would choose to go and how likely they are to suffer from the confinement. Chapter 4 looks specifically at biological and radiological terrorism, public needs in the face of these disasters and what obstacles would need to be overcome for larger numbers of people to shelter in place. Sources of information, the trust placed in them and the potential for shopping centers to serve as sources of emergency information are detailed in Chapter 5. Chapter 6 examines public trust in critical infrastructure. Chapter 7 looks at public attitudes toward policy issues, including the fiscal and legal responsibilities in the prevention of terrorism. Finally, Chapter 8 will provide a summary of survey findings.

The complete 2005 interview script is found in Appendix A of this report. Appendix B details survey methodology. Appendix C provides information on the demographic characteristics of the sample, Appendix D includes the weighted frequency distributions for all substantive questions, and Appendix E contains a full variable list.

### Subgroup Analysis

Question responses were broken out and analyzed by several demographic categories. Results are only reported for instances where analysis provides relevant and *statistically significant* differences between subgroups. (Statistically significant differences are those

that probably did not result from sampling variability, but instead reflect real differences of opinion within the region's adult population.) The demographic variables listed below were those principally used in subgroup analysis. In some cases, categories were combined to facilitate comparison.

- Age. Age was divided into five categories for most analyses: 18-25, 26-37, 38-49, 50-64, and over 64.
- Education level. Persons with some high school, high school graduates, some college, four-year degrees, some graduate work, and those with professional and graduate degrees, were compared.
- Marital status. Respondents presently married were compared with those in other categories (separated, divorced, widowed, or never married).
- Work status. Persons in the labor force working full-time or part-time were compared with those not in the labor force: retirees, homemakers, students, and those looking for work.
- Military status. We compared persons in the armed forces — serving currently, on reserve, and veterans — to those who have never served.
- Household income. Several categories of self-reported annual household incomes were compared: Less than \$15,000; \$15,000 to \$34,999; \$35,000 to \$49,999; \$50,000 to \$74,999; \$75,000 to \$99,999; \$100,000 to \$149,999; \$150,000 to \$250,000; and more than \$250,000. For most analyses, these were collapsed into four categories.
- Homeowner status. We also compared homeowners with renters.
- Race/ethnicity. Whites, African-Americans, and "Others" were compared. Hispanic respondents were also compared with non-Hispanic respondents. Middle Eastern / Arab Americans were compared with others.
- Gender. Women were compared with men.
- Religious participation. We asked respondents if they attended services weekly, monthly, annually, or not at all.
- Geographic area. The study areas in the National Capital Region include:

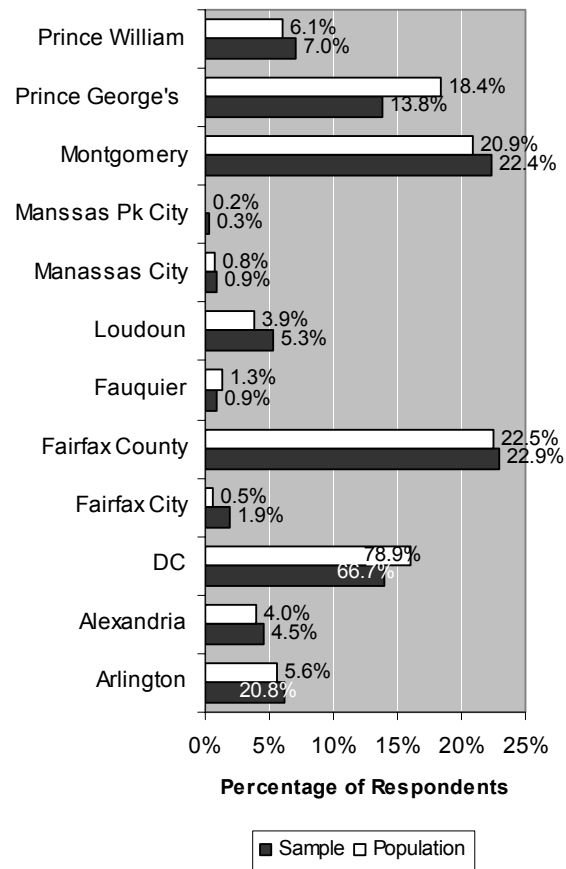
- District of Columbia.
- Virginia: Arlington County, Alexandria City, Fairfax City, Fairfax County, Fauquier County, Loudoun County, Manassas City, Manassas Park City, Prince William County.
- Maryland: Montgomery County, Prince George's County.
- Type of area. People who lived in rural areas were compared with people who lived in urban or suburban areas.
- Community attachment. Several items were combined to create an index of community attachment, including five items from a published measure of community attachment (Chavis & Wandersman, 1990), as well as the length of time the person has lived in the NCR, distance from nearest close relative, how many neighbors are known by the respondent, and if the respondent would like to live in the same place five years from now.

### Demographic Profile

Respondents were asked some questions about themselves and their households to allow for analysis of the data by social and personal characteristics. It is an indicator of the validity of a survey to test the representativeness of the sample by comparing it to the population from which it was drawn. CSR has used Census estimates available for 2004 to compare with the raw numbers obtained from the survey sample. As is often the case in telephone surveys, women were somewhat overrepresented at 60.3 percent compared to a natural occurrence in the population of 52.3 percent.

It was also important to assure that responses were obtained from representatives of all communities in the sample. As is detailed in the following graph, CSR completions follow census estimates fairly closely. The most notable deviation was in Prince George's County where the census would forecast 18.42 percent of the total completions. In reality, only 13.8 percent of the total said they were from that county. See Figure 1-1 for details.

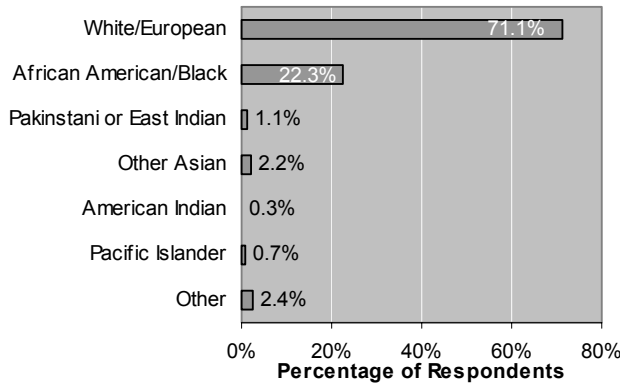
**Figure 1-1: Respondents by County**



Although specific racial data was requested of all respondents, the number of responses obtained for some categories precluded meaningful analysis. Most responses were therefore reported in aggregate form. As can be seen from Figure 1-2, whites or European-Americans comprised 71.1 percent of the completed cases where a response could be obtained, and blacks or African-Americans formed 22.3 percent, with the rest of the cases representing other categories.

In addition to racial information, we also asked about ethnic identification separately for two groups. Not shown in Figure 1-2 are Middle East and Arab respondents, representing 1.1 percent, and Hispanics representing 2.2 percent.

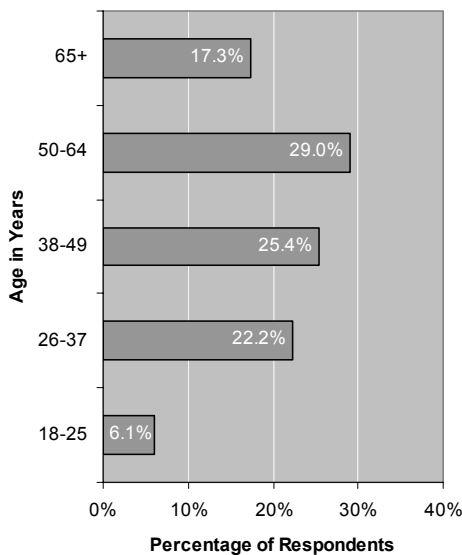
**Figure 1-2: Racial Breakup of Respondents**



When asked if anyone in the home had difficulty communicating in English, only 3.9 percent said yes. The most common language spoken by these non-English speaking members of the household was Spanish (37.5%), followed by French (9.4%); the rest were an assortment of other languages.

In terms of age, 6.1 percent of our sample was between the ages of 18-25, 22.2 percent was 26-37, 25.4 percent was 38-49, 29.0 percent was 50-64 and 17.3 percent were 65 and older.

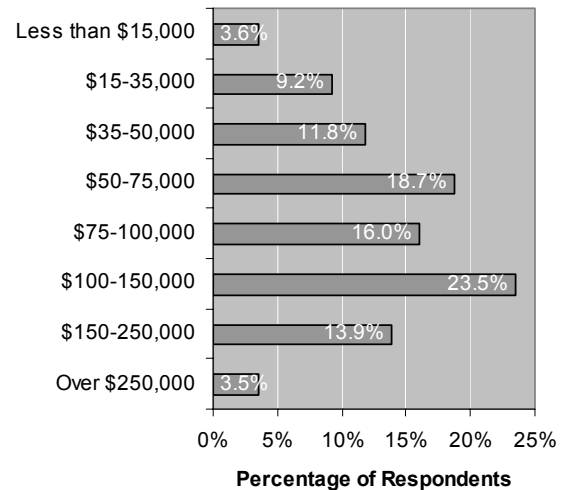
**Figure 1-3: Age of Respondents**



When asked about children, 33.8 percent of respondents had one or more children in the home. Specifically, 13.6 percent had children age five or under in the household, 17.1 percent had children between six and twelve and 14.0 percent reported teen-agers between thirteen and seventeen.

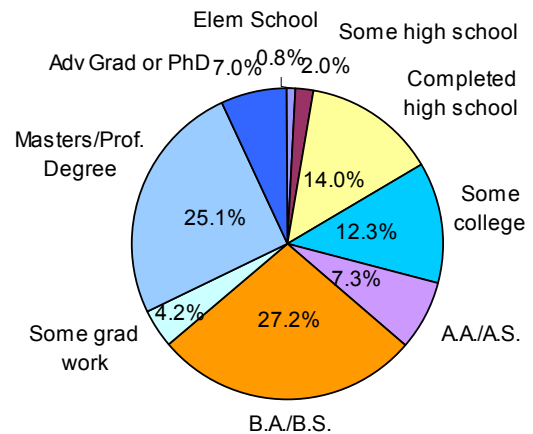
Figure 1-4 illustrates the household income of our sample. The largest group in the sample, at 17.8 percent, was respondents with a household income between one hundred and one hundred and fifty thousand. The most and least affluent households were almost identically represented at 3.5 percent and 3.6 percent respectively.

**Figure 1-4: Household Income**



Respondents to this survey were very well educated with 28 percent having at least a Bachelor's degree and 32 percent with a Master's Degree or Advanced Graduate or PhD. A total of 71 percent of the respondents had some level of college education.

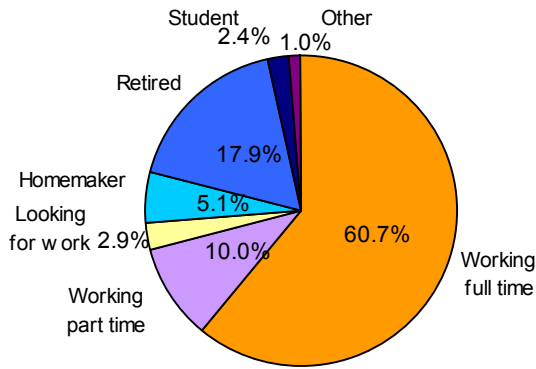
**Figure 1-5: Education of Respondents**



Sixty-one percent of the respondents indicated they were employed full-time; with 10% working part-time. One-third of the respondents

are not currently employed, which includes full-time students, homemakers, retired people, and others. This is shown in Figure 1-6.

**Figure 1-6: Employment Status**



To compensate for areas in which the census data did not match our sample, the numbers for each county were weighted to match the actual population of residents in those areas. The sample was also weighted for race, gender, and homeownership. For more about the weighting procedure, see the Methodology Report in Appendix B.

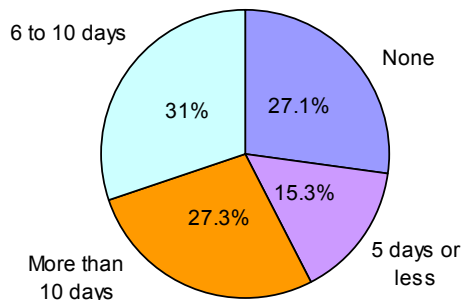
## Chapter 2: Emergency Preparedness

One purpose of the survey is to evaluate how well residents have prepared themselves for an emergency. To this end, residents were asked if they had various types of supplies on hand in the event of an emergency that might help them stay inside their homes for an extended period.

### Stored Food and Supplies

When asked “Do you have non-perishable food stored away in your home?” 73.0 percent said they did. Those who did have food stored away were asked how long they thought the food would last. The mean number of days was 16.8, with 21.0 percent of those having enough for 5 days or less, 37.5 percent having enough for 6-10 days, and 41.6 having stored food for 10 days or more. Figure 2-1 shows the percentage of respondents with and without stored food.

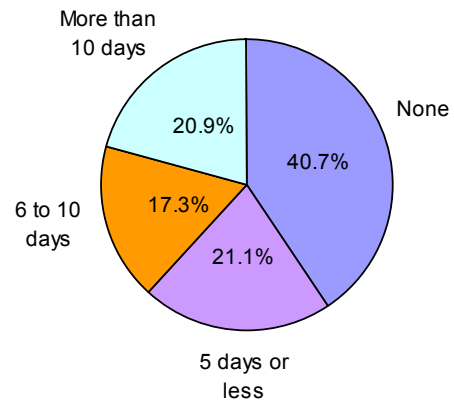
**Figure 2-1: Percentage of Respondents with Non-Perishable Food Stored Away**



Responses to this item varied significantly by age, with persons aged 26-37 least likely to have food stored away (62.3%) and those age 63 and older most likely to report having food stored away (82.9%). Persons living in the NCR area longer, suburbanites, homeowners, and people in single-family homes were more likely to report having food stored away. Pet owners were also more likely to have food stored away (81.4%), as well as veterans and those serving in the military (84.1%). People living in Maryland were more likely to report having stored food than people in Virginia or DC. Only about half of students and people looking for work were likely to have food stored away.

When asked a similar question about whether they had water stored away in the event that tap water became unavailable, 59.6 percent of residents said they did. Of those who did, 35.5 percent had enough for 5 days or less, 29.2 percent had enough for 6-10 days, and 35.3 percent had enough for 10 days or more. On average, those with water stored away said it would last for almost two weeks (13.0 days). However, if those with no stored water are included, the average drops to just over a week (7.7 days). Figure 2-2 shows the percentage of respondents with and without stored water.

**Figure 2-2: Percentage of Respondents with Water Stored Away**



Similarly, responses to this item varied significantly by age, with persons aged 26-37 least likely to have water stored away (47.1%) and those age 63 and older most likely to have water stored away (72.4%). As with stored food, homeowners, pet owners, veterans and those who were serving in the military, and suburbanites were most likely to have stored water. People reporting Middle Eastern/Arab ethnicity were also more likely to report having stored water in their homes.

Respondents were asked if they had an emergency supply of medication. Almost half (48.2%) said yes, 37.8 percent said no, and 14.0 percent said they did not take medication. People living in Virginia were somewhat more likely to have an emergency supply of medication than those in DC or Maryland. This was also true of retired people and those over age 65. Blacks were less likely to have emergency medication compared to whites or others.

The majority, 81.6 percent, did have a first aid kit. Newcomers to the NCR were more likely to have a first aid kit, as were people living in rural areas, people living in single family homes, and those with military experience. Students, single people, females, and low income households were least likely to have a first aid kit.

Only 33.6 percent had a complete emergency preparedness kit, with another 29.0 reporting an incomplete kit, and 37.5 reporting no kit at all. It was explained to respondents that an emergency preparedness kit is a container with supplies that can be used during an emergency, like a flashlight with extra batteries, a battery powered radio, non-perishable food, water, medications, and other supplies like blankets and warm clothing.

### Emergency Meeting Place

Residents were asked if they had a designated meeting place to meet in the event of an emergency. Only 23.2 percent of respondents said they had designated such a place. This does not include the 4 percent who said this question was not applicable to them.

People with children in the home, people living in single family homes, pet owners, people who were more strongly attached to their communities, full-time workers, higher income household, African-Americans, and those age 50-64 were more likely to have a designated meeting place than others.

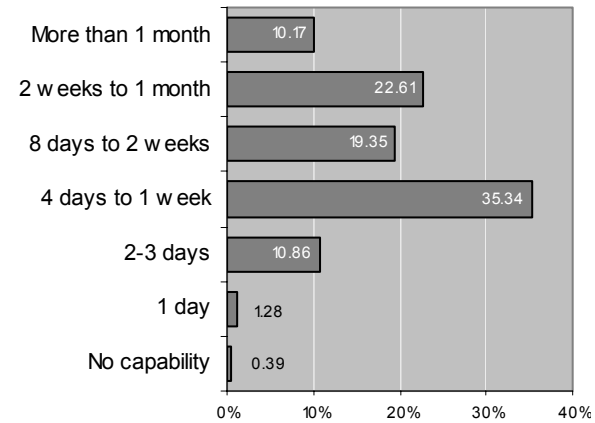
### Capacity to Shelter at Home

Finally, residents were asked directly about their capacity for sheltering in their homes, or how long they could stay at home without leaving. Eleven percent were able to shelter in place for less than 3 days, 35.3 percent said they could shelter in place for 4-7 days, 19.3 percent said they could stay for 1-2 weeks, and almost a third were able to shelter in place for over two weeks.

To examine group differences in response to this item, we divided participants into those who could stay at home for one week or less (47.9%) and those who could stay at home for over a week (52.1%). Not surprisingly, those living in single-family homes were able to shelter longer

than people in apartments or townhouses. This may be related to the finding that people living with others could stay longer than those living alone.

**Figure 2-3: Capacity for Sheltering at Home**



People aged 65 and older could shelter at home for longer than younger people; 64.9 percent of those 65 and over versus 44.4 percent of those age 26-37 were able to shelter for more than a week. People who reported living in the National Capital Region for all their lives were best able to shelter at home for over a week (59.6%), and those living in NCR for 6-10 years were least able (37.3%). Students and people looking for work were not able to shelter as long as people working full-time, part-time, or retirees. Women reported being able to shelter at home longer than men.

### Summary

Many NCR residents have prepared themselves for an emergency by storing away food, water, and other essentials. However, about a third have no food or water available in the event of an emergency. Over a third lack an emergency supply of medication, and one in five lack even a first aid kit.

About half of residents do not feel they would be able to shelter at home for more than a week. In general, older people are better prepared than younger residents, students, or people looking for work. Education and income were not consistent predictors of preparedness.

## Chapter 3: Finding Safety in an Emergency

This chapter explores where NCR residents would find safety in the event of an emergency that would drive them from their homes. We examine where and how far residents would travel to feel safe, how they would like to be notified of a threat, and public perception of difficulties posed by boredom or restlessness on confinement.

### Evacuation

When asked, only 9 percent of our sample did not have a car. Looking at income, we find that most of these people have an income of less than \$50,000. Based on this finding and the findings of our pretest, for this report we will assume that all evacuees are in a personal vehicle.

To determine an understanding of the realities of distance, respondents were posed the following question *“If your local leadership recommended an evacuation of your community, where would you go?”*

The following response options were provided:

- 1 a friend or relative’s home just outside of the evacuated area
- 2 a public shelter just outside of the evacuated area
- 3 a friend or relative’s home within twenty miles of the evacuated area
- 4 a public shelter within twenty miles of the evacuated area
- 5 a friend or relative’s home beyond 20 miles of the evacuated area
- 6 a public shelter beyond 20 miles of the evacuated area

They were also permitted to give other responses if they desired.

Over half (54.2%) said they would go to a friend or relative’s home over 20 miles away from the affected area. 14.4 percent said they would go to a friend or relative’s home just outside the affected area, 8.5 percent said a friend or relative’s home within 20 miles of the affected

area, 6.0 percent said a public shelter over 20 miles away, 4.7 percent said a public shelter within 20 miles of the area, and 4.3 percent said some other remote location, like a hotel or vacation home. Less than one percent said they would not evacuate.

Dividing respondents by evacuation destination, 57.5 percent said they would go to a friend or relative’s home versus 9.6 percent who would go to a shelter. Dividing respondents by evacuation distance, 19.8 percent would stay just outside the affected area, 11.8 percent would stay within 20 miles of the evacuated area, and 68.4 percent would travel beyond 20 miles.

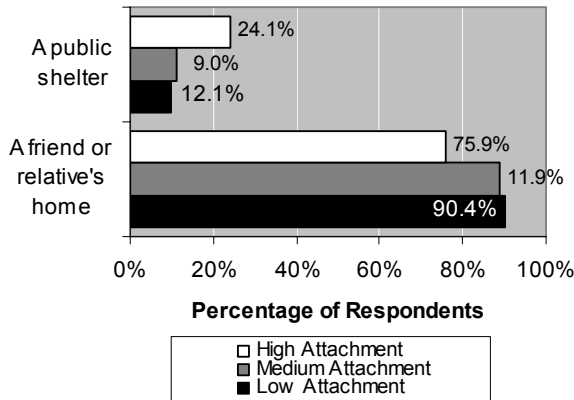
**Table 3-1: Evacuation Location by Area**

Evacuation Location	Urban	Rural	All
Friend/relative +20 miles away	53.3%	62.0%	54.2%
Friend/relative’s home nearby	15.2%	8.5%	14.4%
Friend/relative within 20 miles	9.2%	2.8%	8.5%
Public shelter +20 miles away	5.5%	11.3%	6.0%
Public shelter nearby	4.8%	2.8%	4.7%
Another remote location (vol.)	4.5%	1.4%	4.3%
Public shelter within 20 miles	2.5%	5.6%	2.9%
Other	2.5%	2.8%	2.6%
As far away as possible (vol.)	1.7%	1.4%	1.7%
Would not evacuate (vol.)	0.7%	1.4%	0.8%

A cross-tabulation of that question with a respondent characterization of their own residence as urban or rural shows that, at 77.7 percent (urban) and 73.3 percent (rural), the majority would prefer a friend or relative. A significantly higher percentage of rural dwellers chose the options that required the most driving more frequently than urbanites.

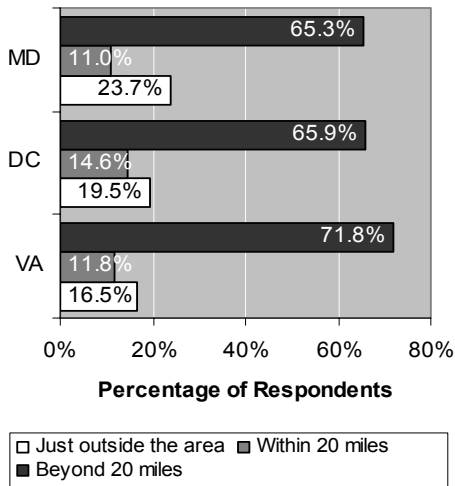
This variable was also strongly related to the respondents’ degree of community attachment. Those with high attachment were much more likely to say they would go to a public shelter, whereas those with low attachment were less willing to go to a shelter, as shown in Figure 3-1.

**Figure 3-1: Evacuation Destination by Community Attachment**



As shown in Figure 3-2, more Virginians (71.8%) choose to go beyond twenty miles than do either Marylanders (65.3%) or those from Washington D.C. (65.9%). More of those from Maryland (23.7%) would stay just outside the evacuated area, perhaps a reflection of their understanding of local geography.

**Figure 3-2: Evacuation Destination Distance by Place of Residence**



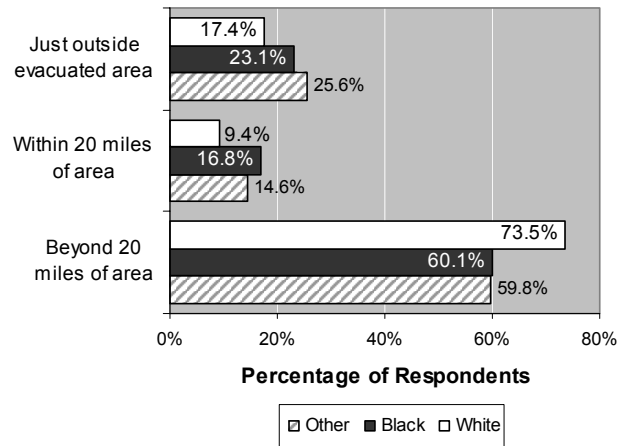
Those who are serving or who have served in the military are also more likely to travel more than twenty miles (78.9%) compared to civilians (66.7%) seeking refuge.

In addition, men are more likely, at 73.1 percent, to drive more than twenty miles past the evacuation zone than women (63.8%). They are

also more likely to head for a public shelter (17.4%) than women (11.5%).

Looking at these same location issues by race of the respondent shows some significant differences. Blacks are less likely (45.9%) than whites (58.5%) to travel to a friend or relative more than twenty miles away. In general, blacks are more likely to stay closer to home. One big difference shows up in looking at the willingness to go to a shelter. Blacks indicate some willingness in 16.9 percent of cases, where whites only chose the shelter 10.6 percent of the time.

**Figure 3-3: Evacuation Distance by Race**



If household income and level of education are used as indicators of socio-economic status, then those of less advantaged backgrounds are more likely to seek shelter in a public place and more likely to stay closer to home. In fact, the willingness to travel jumps from the mid-sixties to 77.5 percent at the more than \$100,000 income level. The likelihood of staying in a public shelter is significantly higher for the less well educated and for those who make less than \$35,000.

Having a relative close by increases the chances that a respondent will remain just outside the evacuated area, the choice of 29.3 percent of people with a relative within walking or driving distance versus 14.6 percent of people with no close relative.

When analysis is done based on years spent in the Washington D.C. area, most people are

strongly inclined to leave the D.C. area in the event of an emergency, with a high of 77.5 percent at three to five years of residency. The exception is during that first year, when more than a third, or 35.5 percent of respondents, would stay just outside the area.

**Table 3-2: Evacuation Distance by Length of Residence**

Length of Time	Nearby	<20 mi.	>20 mi.
Less than 1 year	35.5%	12.9%	51.6%
1 to 2 years	10.9%	13.0%	76.1%
3 to 5 years	12.5%	10.0%	77.5%
6 to 10 years	16.7%	15.5%	67.9%
11 to 19 years	14.1%	9.8%	76.1%
20 years or more	20.9%	11.3%	67.8%
All my life	27.1%	13.2%	59.7%

Evacuation distance was also strongly related to the respondents’ degree of community attachment. Those with high attachment were more likely than others to say they would stay just outside the affected area, whereas those with low attachment were more likely to travel beyond 20 miles of the evacuated area.

**Evacuation Notification**

To determine the best way to notify residents of a localized disaster, we posed the following question: *“Imagine there was an airborne release of a hazardous material, and officials are asking people to evacuate based on where they live. Which would you be more likely to respond to: If they asked everyone to evacuate who lives within a certain distance from the hazard, or if they ordered evacuation according to the ZIP codes in which people live?”*

Residents were split on their response to this question – 48.5 percent said they would like to be notified by distance from the hazard whereas 51.5 percent wanted to be notified by zip code.

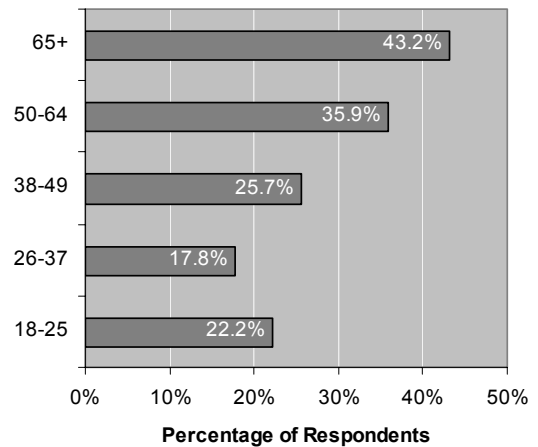
To best notify residents by zip code, it would be important for residents to know their complete 9-digit zip code. Therefore, we first asked people if they knew their 9-digit zip code. The majority of residents (71.2%) acknowledged that they did not know their more specific 9-digit code. This reflects significantly on government’s ability to notify residents in the event of a localized emergency. For this reason, it is worth

examining the differences between groups to better forecast who would be likely to miss an evacuation notice based on 9-digit zip code.

As expected, there is a linear relationship between lack of knowledge of the 9-digit zip code and length of capitol region residence, with a high of 94.1 percent for new residents down to 64.1 percent for those living there for more than 20 years. At almost 77 percent, renters are more likely than homeowners (67.7%) not to know their entire code.

Perhaps not as apparent are the differences in knowledge between the working and non-working. Those not working full-time (34.6%) have a better than average chance of saying they can recall their zip code. Rural dwellers are more likely (39.8%) than urban dwellers (27.8%) to say they can recall their entire code. This question had a definite age influence. Older residents were significantly more likely to say they could recall all nine digits of their zip code, as shown in Figure 3-4.

**Figure 3-4: Respondents who Know Nine Digit Zip Code by Age**

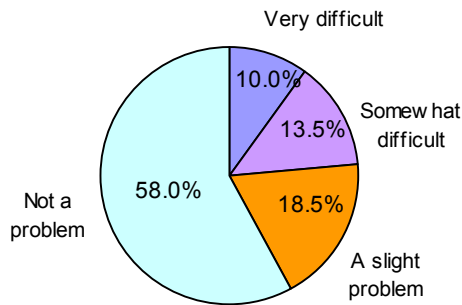


**Boredom and Restlessness**

One potential problem with an evacuation situation or any situation where residents are confined for an extended period is boredom and restlessness. We specifically asked residents if they thought these would be a problem in a situation where they may have to be confined at home for several weeks.

Overall, most people do not see the possibility of boredom as a big problem. Of those answering, 76.5 percent consider it to be either not a problem at all or only a slight one.

**Figure 3-5: Problem of Boredom on Confinement**

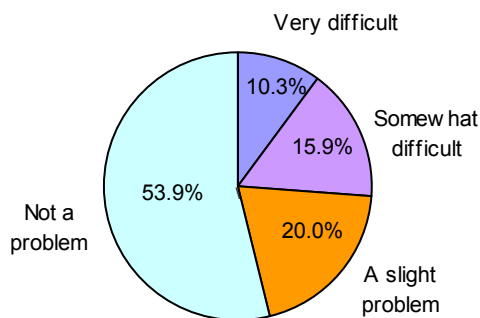


Rural respondents report even less anticipated boredom, with only 19.7 percent feeling it would be a somewhat or very difficult problem.

Some significant difference is seen in reported employment. While those who work full-time are close to the reported average, those who work part-time (28.2%), those who are looking for work (34.5%), homemakers (30.0%) and especially students (41.5%) are significantly more likely to anticipate that boredom will be a problem.

Restlessness appears anticipated as somewhat more of a problem. Those seeing it as a somewhat or very difficult problem are at 26.1 percent, with those foreseeing either no problem or only a slight one at 73.9 percent.

**Figure 3-6: Problem of Restlessness on Confinement**



Those who have served or are currently serving in the military report significantly less of a problem. Almost 85 percent feel it would be a slight problem or none at all.

There is a definite increase in those perceiving restlessness as at least a somewhat difficult problem as the level of education increases. Only 18.5 percent of those with less than a high school education see it as difficult, where 29.3 percent of those with a graduate degree or some graduate work think it will be somewhat or very difficult. Just over 74 percent of those with less than a high school education do not consider restlessness a problem at all.

**Summary**

In the event of a required evacuation, most people would travel over 20 miles away from the affected area. Most of these would be going to stay with family or friends, although some are willing to stay in public shelters. Lower Socio-economic status (SES) households and people more attached to their communities are more likely to stay nearby.

In terms of notifying residents who should evacuate, respondents were split evenly on whether they wanted to be notified by distance from the hazard or by zip code. Since fewer than 30 percent of residents know their 9-digit zip codes, notification by distance may be more practical.

For situations in which residents must be confined at home for a long period, most do not feel that boredom or restlessness would be a serious problem.

## Chapter 4: Public Response to Terrorist Emergency

Although there are many types of emergencies that may warrant an evacuation, some sorts of disasters are most safely managed when residents remain where they are, or shelter in place. This chapter examines the public response to specific terrorist threats, namely the possibility of a biological attack involving smallpox or another type of attack involving a “dirty bomb” radiological dispersal device. This chapter examines specifically where residents would go, how long they would stay, and what things they would need to shelter in place for the necessary length of time. Many of these questions are similar to those from a related study done by R.D. Lasker (2004).

Questions were approached by asking respondents what they would do in the hypothetical event of each of these attacks. A detailed scenario was constructed for each situation, followed by a series of questions. All residents were posed a question about what they would do in the event of a dirty bomb attack while they were at home. To keep the length of the survey manageable, the two remaining scenarios were each given to half of the respondents, a scenario involving a dirty bomb attack while the respondent was at work and a scenario involving a community-wide smallpox epidemic.

### Public Knowledge of a Dirty Bomb

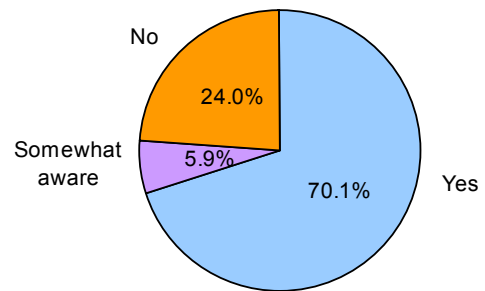
The term dirty bomb is used to refer to a radiological weapon that combines radioactive material with conventional explosives. The bomb is designed to disperse radioactive material over a large area, so clean up of the affected area might require considerable time and expense. Affected areas may be contaminated for some time, causing health concerns to residents and extensive economic damage. Additionally, the terrorist detonation of a dirty bomb would create psychological harm through mass panic and terror.

NCR residents were presented with the following scenario: “Please imagine that one

*afternoon, when you are at home, you hear on the news that a bomb has just exploded in a building a mile away. Authorities believe it was a ‘dirty bomb.’ A dirty bomb is not an atomic bomb, but an ordinary bomb that has radioactive material mixed in it, so the explosion spreads radioactive material on the ground and into the air. Before today, did you know the difference between a ‘dirty bomb’ and an atomic bomb?”*

In response to this question, 70.1 percent of NCR resident said they did know the difference between a dirty bomb and an atomic bomb, and another 5.9 percent said they were somewhat aware. Almost a quarter did not know what a dirty bomb was.

**Figure 4-1: Percentage of Residents Who Knew What a Dirty Bomb Was**



There were some group differences in knowledge about a dirty bomb. People who did not work full time and unmarried people were less aware of this threat (61.2% and 64.7%, respectively). As expected, awareness increased with age, with the 50-64 year group reporting the most knowledge (80.4%) and the 18-25 year old group the least (47.9%). Those with military experience had more knowledge, as did those who were married and those with more education and income. Members of ethnic minorities were less aware than whites, as only about half of non-whites knew what a dirty bomb was. Males were more aware than females (82.2% versus 60.1%, respectively).

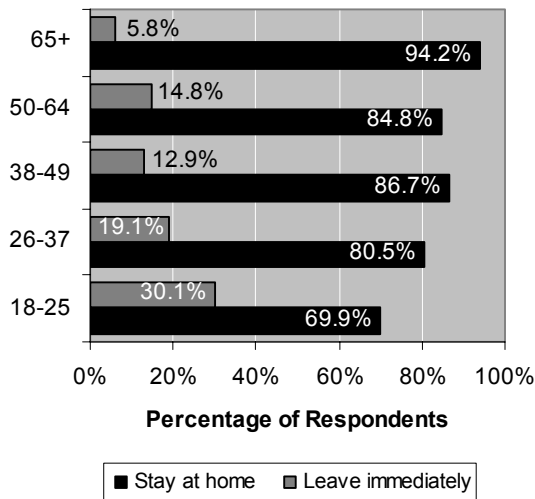
### Public Response to a Dirty Bomb Attack at Home

Respondents were then asked to imagine they were at home and provided with the following information: “Residents in the area are instructed to take shelter at home or in some type of building, since this will provide

*significant protection from radioactive dust created by the blast. They want everyone in your community to stay in their place of shelter for 48 hours or until an ‘all clear’ is given. Based on this information, would you stay at home or would you leave immediately to go somewhere else?”*

The great majority, 84.1 percent, would follow the advice provided and stay at home. However, 15.5 percent said they would leave immediately, and another 0.4 percent said they would do something else. Not included in these figures are 3.0 percent who said they were not sure what they would do. Of those who said they would stay at home, the vast majority (97.5%) said they would stay the full 48 hours or longer, if necessary.

**Figure 4-2: Percentage of Residents Who Would Shelter at Home Based on Age**

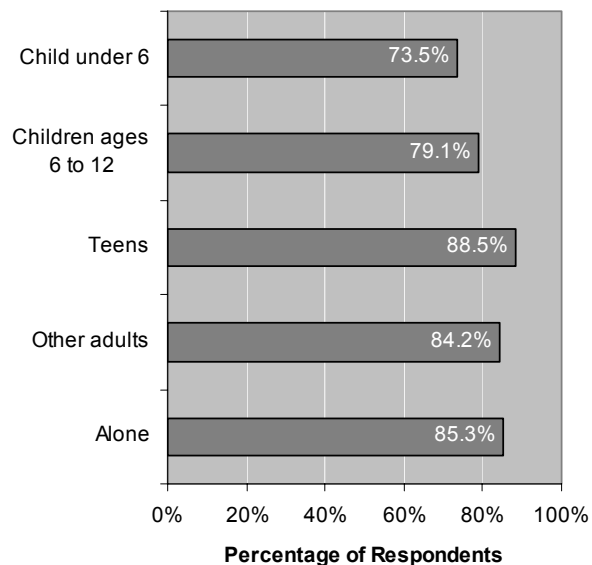


There were some significant group differences between those who said they would stay and those who would not. Those living in the NCR for 1-2 years were least likely to stay at home (68.8%), while those who had lived in the area for longer periods were more likely to stay at home. Suburbanites and those living in rural areas were more willing to shelter at home than those in urban areas. As shown in Figure 4-2, age was a significant factor, with younger people less likely to stay and older people more likely to stay at home. Seventy percent of 18-25 year olds said they would stay compared to 94.2 percent of those 65 and older. Students and those looking for work were less willing to shelter at home than working or retired people.

Females were somewhat more likely to stay than males. Blacks were more likely to agree to shelter at home than whites, and whites were more willing to shelter at home than people who indicated a different racial identification.

Those with children under the age of six in the home were more likely to flee than those without – 25.8 percent said they would leave immediately compared to 10.7 percent without small children. Interestingly, those with teens in the home were more likely to stay, with only 10.7 percent fleeing immediately. Figure 4-3 depicts the percentage in each group that were willing to shelter at home.

**Figure 4-3: Percentage of Residents Who Would Shelter at Home Based on Family Composition**



Finally, those who indicated a high level of community attachment were much more willing to stay at home (90.7%) than those reporting a low level of community attachment (78.5%). In fact, those with a low level of community attachment were twice as likely to leave immediately than those more strongly attached.

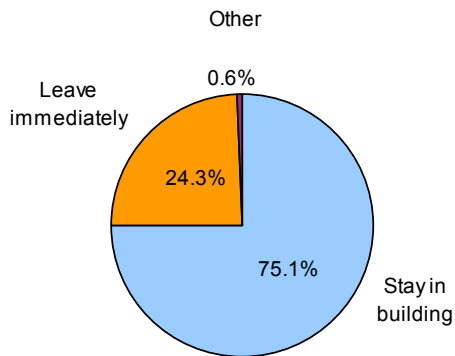
**Public Response to a Dirty Bomb Attack at Work**

Half of the respondents in the sample were given the same dirty bomb scenario again, but were

asked to imagine that the event had occurred while they were at work. If they did not work, or worked at home (and this was true of 14.7 percent of the sample), they were asked to imagine that they were at another location in the community that they often visit, such as a department store or library. Residents were allowed to choose whatever location they preferred for the scenario, as long as it was in a building. (Among those without a regular workplace outside of the home, 35.3 percent said they would be at a store or mall, 12.9 percent said school, 9.8 percent said recreation facility, 8.9 percent said church, 7.1 percent said office or work building, 6.7 percent said library, and 4.0 percent said a friend or relative’s house.)

In response to a dirty bomb attack while at work, the majority, 75.1 percent, said they would stay in the building, and 24.3 percent said they would leave immediately. It is noteworthy that the percentage saying they would stay is distinctively less than those who would stay in place if they were at home at the time of the attacks. Of those agreeing to stay in the building, the majority – 92.3 percent – said they would stay the full 48 hours or longer, if necessary.

**Figure 4-4: Percentage of Respondents Who Would Shelter in Building**



Those living in Virginia were more likely to comply than those living in DC or Maryland (79.0%, 74.2% and 71.1%, respectively). People working in government or non-profit jobs were more agreeable to shelter at work than those in private industry. People living alone were more likely to comply than those living with others.

Although those reporting low community attachment were more likely to stay in the building (80.6%) than those with high attachment (69.7%), these differences were not statistically significant.

**Reasons for Non-Compliance for a Dirty Bomb Attack at Home**

Those who said they would not stay at home but would leave immediately, were asked the reason they would leave. Respondents were permitted to give more than one answer to this question.

The most common response was that the respondent would simply feel safer elsewhere, and this answer was given by almost half of participants. The next most common response was to find or take care of children at 16.7 percent, followed by 10.0 percent who did not trust the advice of the authorities, 8.8 percent who wanted to find or take care of another adult family member, and 6.2 percent who needed to get food or water.

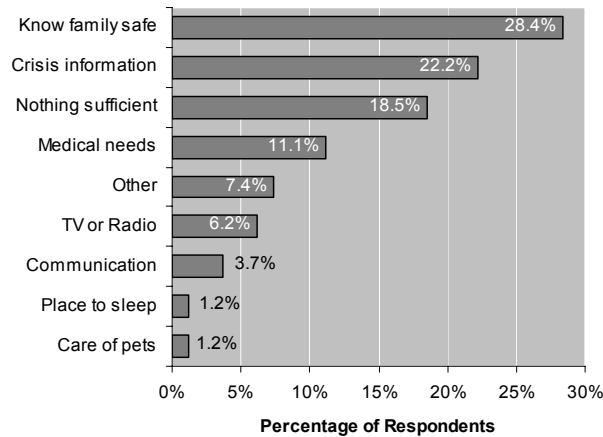
Those who said they would leave to find their children, adult family members, or others were asked if they would stay if they could be assured that their loved ones were being kept safe and cared for during the emergency. Of these, 71.4 percent said they would stay for the full 48 hours or longer, if necessary, but 19.3 said they would stay only a few hours or less.

Those who said they would leave to get food, water, or medication were asked if they would stay if there were people who could safely bring to their home any needed food, water, or medications. Of these, 85.9 percent would stay for the full 48 hours or longer, if necessary. These results suggest the potential feasibility of a community shielding strategy, in which needed services would be provided to residents as they shelter in place.

Residents who had initially said they would not shelter in place were asked if there were any other needs they had that would help them to stay at home for the full 48 hours. This was an open ended-question, and interviewers were instructed to probe for as much information as possible from the respondent. The answers were

then coded based on the similarity of the responses.

**Figure 4-5: What Respondents Would Need to Shelter at Home for 2 Days**



As shown in Figure 4-5, the most common concern was to know that family members were safe, followed by information about the crisis, a way to communicate with others, and a radio or TV. Nonetheless, 18.5 percent of those who would leave said that nothing would be sufficient because they would not stay under any circumstances.

**Reasons for Non-Compliance for a Dirty Bomb Attack at Work**

Those who said they would not be willing to shelter at work or another location away from home were told that building they were in had made arrangements to make sure people were fed and kept safe during the emergency. Given this new information, 39.4 percent said they would not leave the building, but the majority of these did not change their answers as 60.6 percent said they would still leave.

Those who said they would not be willing to shelter at work or another location away from home, but would leave immediately, were also asked the reason they would leave. Respondents were permitted to give more than one answer to this question.

The most common reason given for leaving was that the respondent would feel safer someplace else (36.6%), followed by find or care for children (28.4%), find or take care of other adult

family member (24.9%), and to get food or water (11.4%).

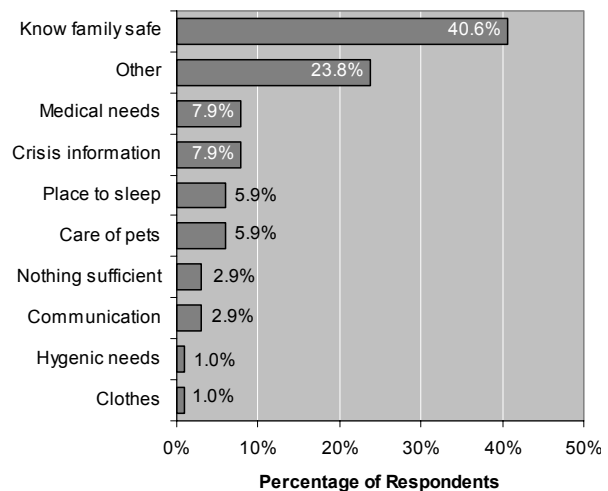
Those who said they would leave to find their children, adult family members, or others were asked if they would stay if they could be assured that their loved ones were being kept safe and cared for during the emergency. Of these, 67.8 percent would stay for the full 48 hours or longer, if necessary, but 20.5 percent said they would stay only a few hours or less.

Those who said they would leave to get food, water, or medication were asked if they would stay if people could bring these items. Of these, 75.4 percent said they would stay for the full 48 hours or longer, if necessary.

Residents who had initially said they would not shelter away from home were asked if there were any other needs they had that would help them to stay in the building for the full 48 hours.

Answers focused mainly on the need to know that family members were safe, followed by a variety of individual concerns that could not easily be categorized. The most common concerns appear in Figure 4-6.

**Figure 4-6: What Respondents Would Need to Shelter at Work for 2 Days**



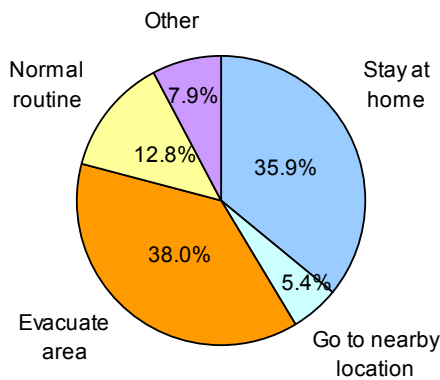
**Public Response to a Smallpox Attack**

To determine the response to the event of a smallpox epidemic, NCR residents were posed the following, “Imagine that you are at home,

*and you heard on the news that smallpox had infected many people in your community, as the result of a terrorist attack. Smallpox is a serious, contagious, and sometimes fatal infectious disease. Generally, direct and fairly prolonged face-to-face contact is required to spread smallpox from one person to another, but smallpox can also spread through direct contact with infected bodily fluids or contaminated objects. Imagine that your community had been infected with smallpox. If you thought that your community had become the scene of a smallpox epidemic, where would you go?"*

Respondents were given the choice to stay at home, go to another nearby location in the community, evacuate the area, or continue their normal routine (do nothing), or something else that they specified. Thirty eight percent said they would evacuate, 35.9 percent said they would stay at home, 12.8 said they would continue their normal routine, and 5.4 percent said they would go to another nearby location, such as a family member’s house. This does not include the small number of people (1.4%) who said they did not know what they would do. Figure 4-7 illustrates these findings.

**Figure 4-7: Public Response to a Smallpox Attack when No Instructions are Given**

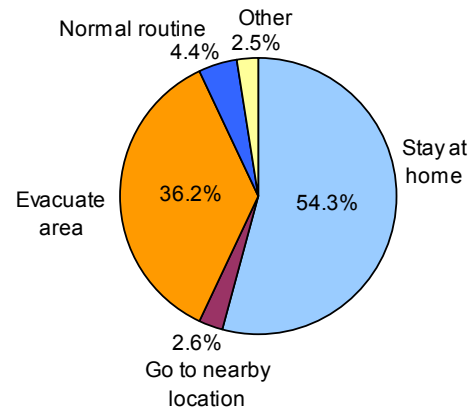


After eliciting this response from respondents, they were then given the following information, “residents are instructed to take shelter at home, since this will provide protection from contracting small pox from others. They want everyone in your community to go to their homes and stay there for 2-4 weeks or until an ‘all clear’ is given. People are permitted to go outside, but not to have contact with anyone

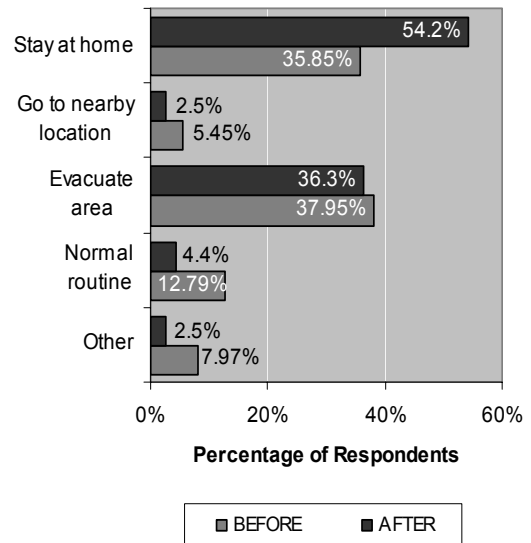
*outside the family who has not been recently vaccinated for smallpox. This means no going to public places and no contact with unknown strangers. During the emergency, businesses in your area are all shutting down...”*

In light of this new information, the same question was posed again to compare the response rates. This time, 36.2 percent said they would evacuate, 54.3 percent said they would stay at home, 4.4 said they would continue their normal routine, and 2.6 percent said they would go to another nearby location. This is shown in Figure 4-8.

**Figure 4-8: Public Response to a Smallpox Attack when Instructed to Shelter at Home**



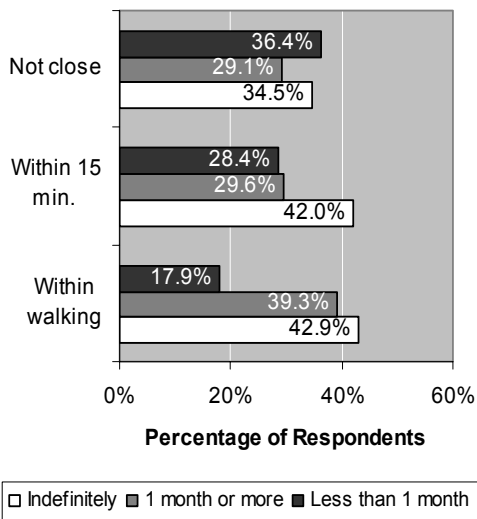
**Figure 4-9: Response to Smallpox Before and After Being Instructed to Shelter at Home**



The percentage agreeing to stay at home increased, however the percentage of people planning to evacuate did not change substantially. This means that over a third of residents are reporting they would disregard public health and safety advice, even if it meant a potentially greater likelihood of spreading the contagion. These two responses are detailed in Figure 4-9.

There was a direct linear relationship between willingness to stay at home based on the distance of relatives from the respondent. Over seventy percent of residents with a relative within walking distance were willing to stay at home, 61.2 percent of those with a relative within a 15 minute drive were willing to comply, and only 45.7 percent were willing if they had no relatives close by.

**Figure 4-10: Willingness to Shelter at Home based on Distance of Away of Close Relative**



Those who reported a high level of community attachment were more likely to stay at home (61%), whereas those scoring low on the index of community attachment were less willing (42.5%).

People who did not work were more willing to stay at home than those who did. Willingness to shelter at home was 62.9 percent for people not working, 55.0 percent for people working part-time, and 50.2 percent for people working full-time. Those over age 65 were more willing to stay home compared to the 26-37 year old group

who were more likely to evacuate. In fact, 49.0 percent of 26-37 year olds said they would leave the area compared to 36.2 percent overall.

Only forty percent of those working for the government or non-profit organizations were willing to stay at home, compared to 55.8 percent in the private business sector. Blacks and Hispanics were more willing to stay home than others, however only 14.3 percent of those with Middle Eastern / Arab ethnicity were willing to shelter at home.

Those who said they would evacuate were asked where they would go, how far away that was, and why they would leave. These were a series of open-ended questions, and respondents were free to say anything they liked. Responses were then coded and classified.

When asked where they would go, 39.4 percent said they would go to stay with family or friends, 35.0 percent said they would go to another state, 11.1 said they would go to an unaffected area, another 11.7 percent said they would simply go “far away,” with no particular place in mind, and 2.8 percent said they would go to a church or shelter.

When asked how far away they would need to travel to get to their destination (assuming that one hour’s drive is sixty miles), 20.5 percent said less than one hour’s drive away, 26.3 percent said 1-3 hours away, 22.8 percent said 3-5 hours away, 12.9 percent said 5-10 hours away, and 17.5 percent said over 10 hours away.

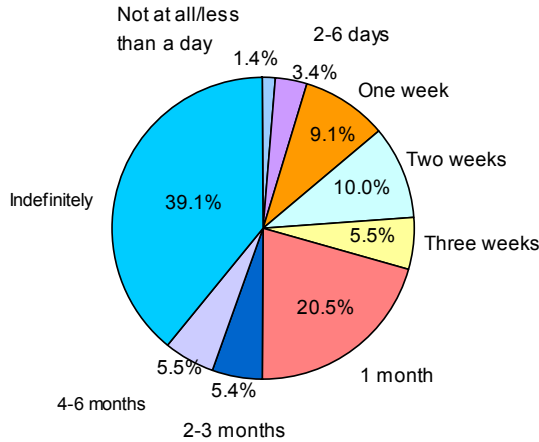
When asked why they would go to that specific destination, over a third (34.3%) said that they would feel safer far away, 21.6 percent said to be with family, 18.6 percent said to get some needed supplies, 8.3 percent said they couldn’t stay cooped up that long, and 17.2 percent of responses didn’t fit into any of these categories.

**How Long Residents Would Stay at Home During Smallpox Attack**

Those who agreed to stay home or stay at a nearby location were asked how long they would be willing to remain, without going out into the community. The majority, 39.1 percent were willing to stay for at least one month, as shown

in Figure 4-11. 31.5 percent agreed to stay for one month or longer, and 29.4 percent did not want to shelter at home longer than one month.

**Figure 4-11: Length of Time Residents would Shelter at Home During a Smallpox Attack**



To study group differences, we examined the proportions of people who were unwilling to shelter for the full 4 week period. People with college degrees were more likely to leave early, as were homeowners, people living alone, and males. People with no close relatives nearby were twice as likely to leave early as people who had a relative living within walking distance (36.4% versus 17.9%).

**Reasons for Non-Compliance in the Event of a Smallpox Attack**

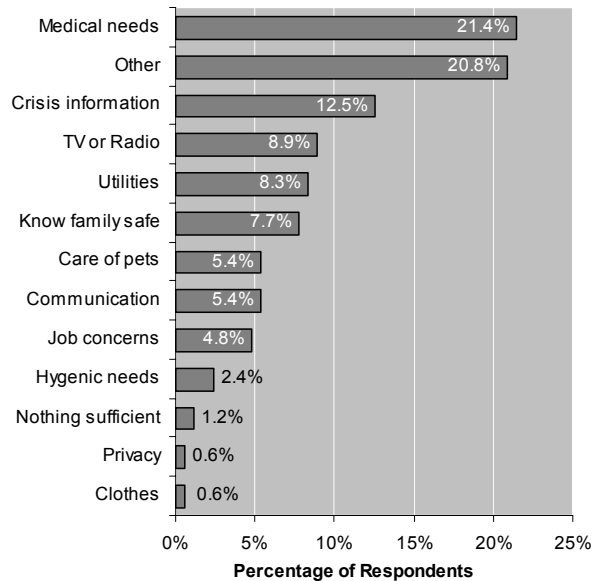
Respondents who said they would not stay at home, or would not stay home for the 2-4 weeks requested by authorities, were then asked why they would leave their homes. They were permitted to give more than one answer to this question. Forty two percent said they would leave to get food or water. Almost eight percent said they would leave to find their children, and another 8.5 percent said they would leave to find other adult family members. Reasons varied widely, and answers included to get medicine, meeting job responsibilities, or just feeling safer somewhere else.

Those who said they would leave to get food, water, or medication were asked if they would comply if there were people who could safely bring to their home any needed food, water, or medications. Of these, 6.4 percent would stay

for 1 week or less, 7.3 percent would stay for 2 weeks, 32.8 percent said 1-6 months, and 53.5 percent said indefinitely. Comparing the mean length of time this group said they would stay before and after being given the option of having food provided, there is a significant increase.

Those who said they would leave to find their children, adult family members, or others were asked if they would comply if they could be assured that their loved ones were being kept safe and cared for during the emergency. Of these, 16.0 percent would stay for 1 week or less, 16.8 percent would stay for 2 weeks, and 67.2 would stay four weeks or longer. Although the mean length of time the respondent agreed to shelter at home increased, this was only marginally significant (p=.052).

**Figure 4-12: What Respondents Would Need to Shelter at Home for 4 Weeks**



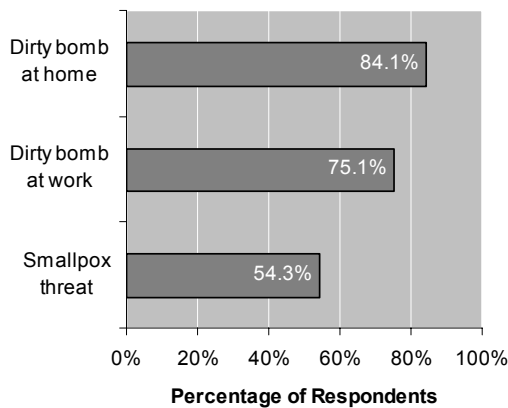
Residents who had initially said they would not shelter in place were asked if there were any other needs they had that would help them to stay at home for the full four weeks, other than food, water, or knowing that their loved ones were cared for. This was an open-ended question, and interviewers were instructed to probe for as much information as possible from the respondent. The answers were then coded based on the similarity of the responses. Although responses varied widely, answers appeared to focus on medical concerns, the need

for more information about the crisis, and the need to communicate with loved ones.

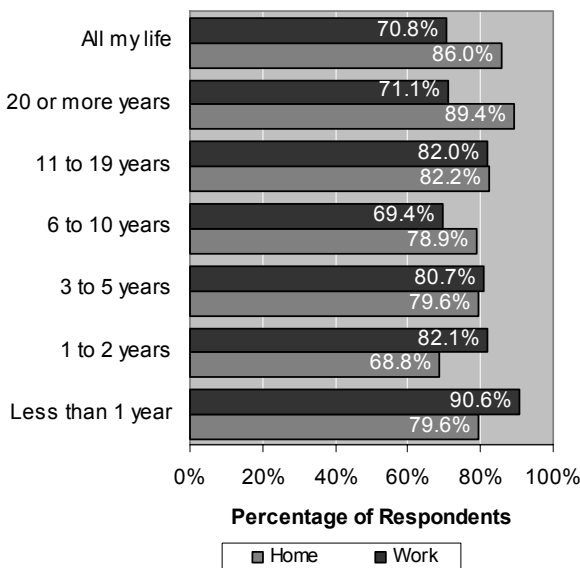
### Scenario Comparisons

When examining the willingness of residents to shelter in place, there appears to be a difference in response based on the type of attack, with residents most willing to shelter in place for a short-lived disaster, and preferably at home, as shown in Figure 4-13.

**Figure 4-13: Willingness to Shelter in Place Based on Scenario**



**Figure 4-14: Willingness to Shelter in Place Based on Years in NCR for Dirty Bomb**



In a situation involving a radiological dispersal device, the length of time a person is willing to shelter seems to depend not only on where they

are asked to shelter, but also how long they have lived in the NCR. New residents to the DC area are more willing to shelter at work whereas long-time residents are more willing to shelter at home.

### Summary

The good news is that the majority of respondents would follow authoritative advice to shelter in place in the event of a terrorist emergency. However, there remain sizable portions of the population that are unwilling or unable to shelter should the need arise. In general, residents who are more strongly attached to their community via relatives, neighbors, or having spent many years in the area are more willing to shelter at home in an emergency. Nonetheless, residents need convincing evidence that loved ones are being cared for if families are separated by the crisis. Many would brave danger to be with family and friends.

It is not surprising that residents would be more willing to shelter at home than at work. Also, providing food, water, and medical necessities increases the ability of residents to shelter in place. Information about the crisis and the ability to communicate with loved ones increases respondents willingness to shelter in place.

One clear finding is that many residents would require support from the community to shelter in place, even for short periods of time. In such a situation, the community would be required to have a credible plan for the emergencies described in this chapter, followed by an effective mechanism for distributing food, water, medications, and information to those affected. This type of community plan and response, referred to as “community shielding,” goes beyond simply the ability of the individual to shelter in place. The results of this chapter lend evidence to the importance of a community shielding plan implemented by local government.

## Chapter 5: Sources of Information in an Emergency

This chapter investigates issues dealing with what sources residents would consult in order to obtain more information about what they should do in the event of a terrorist attack, which sources they consider the most reliable, and whether or not they would be likely to utilize information booths in shopping malls to obtain such information.

### Sources of Information

Respondents were asked which sources they would consult to get more information about what they should do in the event of a terrorist attack and were told that they could list as many sources as they would like.

The most common response was local television news, with 68.4 percent of respondents saying that they would consult this source. This was closely followed by local radio, with 62.7 percent of respondents listing this option. Almost half of the respondents (49.0%) listed national television news. The internet was also a popular source for information on what to do in a terrorist attack. Slightly more than a quarter (26.4%) of respondents said that they would visit an internet news site, 16 percent said that they would visit a government website, and 22.3 percent said that they would visit some unspecified type of website. Other common sources of potential information were local newspapers (15.9%), family or friends (15.6%), and the local police (9.6%).<sup>1</sup> Please see Table 5-1 for a full listing of responses to this item.

Next, respondents were asked which one of these sources would be their preferred source of information on what to do in the event of a terrorist attack. Again, the most common response was local television news, with approximately a third (33.1%) of respondents saying that this would be their preferred source of information. Slightly more than a fifth

(21.0%) said that they would prefer to receive their information from local radio and 11.6 percent said that their preferred source of information would be national television news. Internet sources were also somewhat popular with government, news, and other websites each being the preferred source for approximately 5 percent of the respondents, shown in Figure 5-1.

**Table 5-1: Preferred Sources of Information**

Source of Information	Count	% Cases
Local TV news	712	68.4%
Local radio	653	62.7%
National TV news	510	49.0%
Internet news site	275	26.4%
Internet unspecified	231	22.3%
Internet government site	166	16.0%
Local newspapers	165	15.9%
Family or friends	162	15.6%
Local police	100	9.6%
Local fire department	61	5.8%
Local government phone line	61	5.8%
Dept. of Homeland Security	57	5.5%
Internet health site	44	4.3%
Other Federal Agency	38	3.6%
Doctors/healthcare providers	36	3.4%
Red Cross	23	2.3%
Fed Emergency Mgmt Agency	20	1.9%
Home reference materials	17	1.7%
Church or community group	14	1.4%
Centers for Disease Control	10	1.0%
Library	5	0.5%
Other	53	5.1%
None	5	0.5%
Don't Know	10	1.0%
Refused	3	0.3%
<b>Total</b>	<b>3432</b>	<b>330.0%</b>

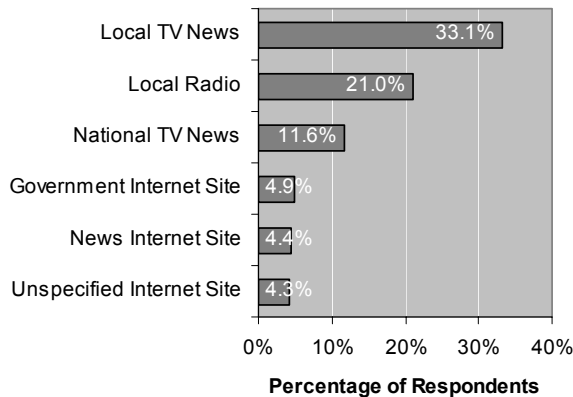
There were a number of statistically significant differences based on demographic variables.<sup>2</sup> Those respondents who live alone were significantly more likely to prefer local radio as an information source and significantly less likely to prefer the internet (both government sites and other sites) as compared to those who

<sup>1</sup> Percentages on this question total more than 100 percent because respondents were permitted to list multiple sources of information.

<sup>2</sup> Because there were such low responses for a number of the categories, in order to investigate demographic differences, we divided the information sources into five categories: local radio, local television news, national television news, government website, and all other websites.

live with at least one other individual. Those respondents who have children under the age of 6 were much less likely to prefer the local radio and were more likely to prefer non-government websites than were those with older children.

**Figure 5-1: Most Preferred Single Source of News in the Event of a Terrorist Attack**



As compared to other employment types, retired persons were the most likely to prefer local radio as an information source, homemakers were much more likely than others to prefer local television news, and homemakers and retired persons were much less likely than others to prefer the internet (both government sites and other sites). Similarly, those people over the age of 65 were also much less likely than others to prefer the internet.

There were also some interesting differences based on education and income. Those who had less than a high school education were more likely to prefer the local radio than were others and were less likely to prefer local television news. Those with a high school degree or less were more likely to prefer national television news and less likely to prefer using the government website. Those with incomes of less than \$50,000 were more likely to prefer using the local radio and national television news, but were less likely to prefer non-government websites, as compared to those earning greater amounts of money.

Hispanic people were significantly more likely than non-Hispanics to prefer using the radio but were less likely to prefer television news (both local and national). The same is true for people

who identified themselves as Middle Eastern or Arab. Interestingly, Hispanics were less likely to prefer government websites but were more likely to prefer other internet sources, whereas the reverse is true for Middle Eastern/Arab people. Looking at the differences between blacks and whites, African-Americans were significantly less likely than whites to prefer the local radio, but were significantly more likely to prefer television news (both local and national).

**Reliability of Information Sources**

Respondents were also asked how reliable they consider a number of information sources to be regarding information about what they should do in the event of a terrorist attack. They were asked to rate each of the sources on a scale of 1 to 10, where 10 is the most reliable and 1 is the least reliable. Respondents were questioned about: local news programs, national news programs, local medical professionals on TV, their personal physician/medical professional, their local pastor/religious leader, the city mayor, the state governor, the US Surgeon General, the President of the United States, and the Department of Homeland Security.

In order to rank these items from most reliable to least, we computed a mean response for each one. The higher the mean score, the higher the reliability level assigned to the item by our respondents. A rating of 8 to 10 was considered “high reliability,” 4 to 7 was “medium reliability,” and 1 to 3 was “low reliability.” Table 5-2 shows the information sources ranked by mean, from most reliable to least reliable.

The most trusted information source was national news programs, with an average rating of 7.61. Sixty-one percent of respondents rated it an “8” or higher and 16.3 percent rated it a “10”—the highest possible rating.

Respondents’ personal physicians were also a highly trusted source of information, with an average rating of 7.52. Almost 60 percent (59.6%) rated it an “8” or higher and 22 percent rated it a “10.”

**Table 5-2: Reliability of Sources of Information**

Rank	Source	Mean	% High Reliability	% Medium Reliability	% Low Reliability
1	A National News Program	7.61	61.0	35.0	4.0
2	Your Personal Physician/Medical Professional	7.52	59.6	34.1	6.3
3	A Local News Program	7.42	55.2	40.8	4.1
4	The US Surgeon General	7.37	59.1	33.1	7.8
5	The Department of Homeland Security	7.22	57.0	31.7	11.2
6	A Local Medical Professional on TV	7.13	51.6	41.5	6.9
7	The State Governor	6.86	46.4	43.2	10.4
8	The President of the United States	6.68	50.5	31.1	18.4
9	Your Local Pastor/Religious Leader	6.10	38.2	39.3	22.7
10	The City Mayor	6.06	32.3	50.8	16.9

Local news programs were also highly regarded in terms of reliability. Respondents gave such programs an average rating of 7.42, with 55.2 percent giving it an “8” or higher.

Next on the list was the US Surgeon General. Almost 60 percent (59.1%) of respondents gave this a rating of “8” or higher, with an average rating of 7.37.

The US Surgeon General was followed by the Department of Homeland Security. Respondents gave the Department of Homeland Security an average rating of 7.22, with 57.0 percent rating it an “8” or higher. Over a fifth (21.3%) gave it the highest possible rating of “10. Local medical professionals on television were viewed as somewhat less reliable than a respondent’s own personal physician. Respondents gave medical professionals appearing on television an average rating of 7.13, with slightly more than half rating them an “8” or higher.

Regarded as slightly less reliable were government officials, with the State Governor receiving an average rating of 6.86 and the President of the United States receiving an average rating of 6.68. Almost half (46.4%), however, did rate the State Governor an “8” or higher, and slightly more than half (50.5%) rated the President of the United States as an “8” or higher. Furthermore, approximately a fifth (20.5%) gave the President of the United States a “10”—the highest possible rating.

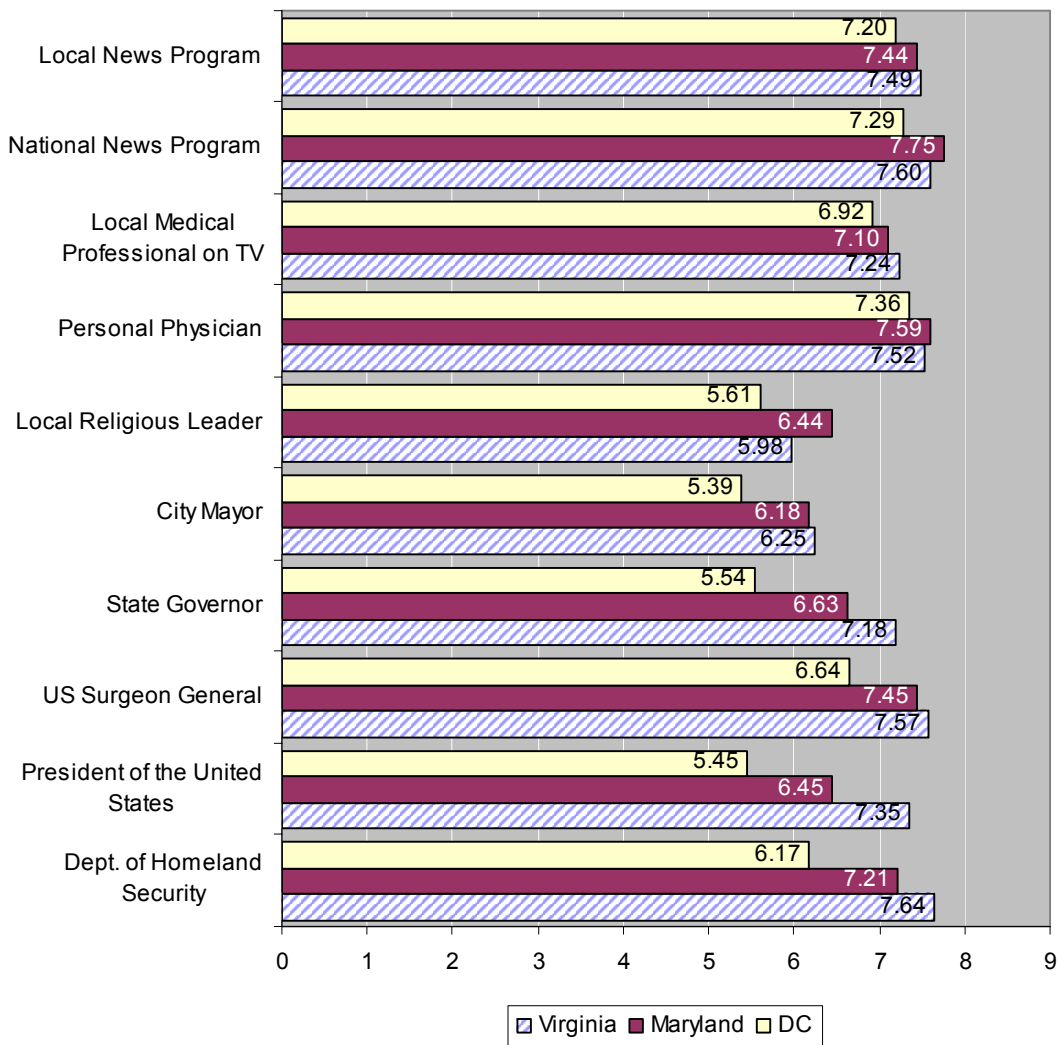
The least trusted information sources were the respondent’s local pastor/religious leader and the City Mayor. Local pastors/religious leaders received an average rating of 6.10 and the City Mayor received an average rating of 6.06.

Approximately 38.2 percent of respondents rated their local pastor/religious leader an “8” or higher, whereas slightly less than a third (32.3%) rated the City Mayor an “8” or higher.

**Demographic Differences in Reliability Ratings**

There were a number of different demographic differences for how much respondents trusted each of these sources. Interestingly, those respondents residing within DC were less likely than residents of Virginia or Maryland to rate any information source as reliable. These differences were statistically significant for seven of the ten items: national news programs, local religious leaders, the City Mayor, the State Governor, the US Surgeon General, the President of the United States, and the Department of Homeland Security. Residents of Virginia and Maryland were roughly equal in their ratings with the following exceptions: residents of Maryland were more likely to rate their local religious leaders as reliable; residents of Virginia were more likely to rate the State Governor as reliable; and residents of Virginia were more likely to rate the President of the United States as reliable. Although the survey did not ask respondents their political party, it is reasonable to suppose that the credibility of the elected officials is affected by the partisan loyalty of residents. In addition, residents of Virginia were slightly more likely to rate the Department of Homeland Security as reliable. Please see Figure 5-2 for an illustration of differences in reliability ratings based on area of residence.

**Figure 5-2: Reliability Ratings By Area of Residence**



In general, reliability ratings tended to go down with the amount of time that one had lived in the National Capital Region. There were significant differences in reliability ratings based on length of residence in the region for: the City Mayor, the State Governor, the US Surgeon General, the President of the United States, and the Department of Homeland Security.

One significant difference arose based on the type of home in which respondents reside. Those residing in an apartment or condominium were significantly more likely to give higher ratings to the Department of Homeland Security than were those residing in single-family homes, duplexes, or townhouses.

Significant differences also arose based on the type of area where one resides. Those living in

rural areas were significantly more likely to give higher ratings for the reliability of personal physicians, religious leaders, the President of the United States, and the Department of Homeland Security.

Interestingly, those respondents with no close relatives in the area, as compared to those with a relative within close walking or driving distance, were less likely to rate local and national news programs and their local religious leaders as reliable.

Those respondents who own a vehicle rated the reliability for all but the Department of Homeland Security higher than those who do not own a car. This difference was statistically significant for local medical professionals on

television, respondents' personal physicians, the City Mayor, the State Governor, the US Surgeon General, and the President of the United States.

Respondents who live alone were significantly more likely to rate the City Mayor as more reliable than were those who live with at least one other person. Those respondents with children under 18 living in their household were more likely to give high reliability ratings for national news programs, but were less likely to report high reliability ratings for the City Mayor and the US Surgeon General.

Those respondents who work full-time were less likely than those who work part-time or who are not working to give local religious leaders high ratings.

Those who are married are significantly more likely to give higher reliability ratings to the President of the United States. The same is true for those who have served in the military.

Not surprisingly, how often respondents attend religious services is related to how highly they rate the reliability of their local religious leaders, with those attending weekly rating them the highest and those never attending giving them the lowest ratings. Frequent religious services attendees were also more likely to give high reliability ratings for national news programs, local medical professionals, personal physicians, the City Mayor, and the US Surgeon General.

For the reliability of local news programs and local religious leaders, education level appears to be loosely correlated with trust in information sources, with those people with lower levels of education giving high reliability ratings. There are also some significant differences based on income. In most cases, those earning between \$50,000 and \$100,000 gave the highest ratings, whereas those earning less than \$50,000 and more than \$100,000 gave lower ratings. The differences for local and national news programs, the City Mayor, the State Governor, and the US Surgeon General demonstrated this pattern and were statistically significant. Reliability ratings given to local religious leaders were correlated with income, with those with lower incomes giving them higher ratings.

People of Hispanic origin were significantly less likely to give local religious leaders high ratings, as compared to non-Hispanics. Those people of Middle Eastern or Arab origin, as compared to non-Middle Easterners or non-Arabs, were significantly less likely to give medical professionals on television and the US Surgeon General high ratings. African Americans were more likely to trust both local and national news programs than were Caucasians or those of other races. They were also more likely to trust their local religious leaders. Those respondents who were neither African American nor Caucasian were more likely to give high ratings to the City Mayor, the State Governor, the President of the United States, and the Department of Homeland Security.

Women appeared to be more trusting than men, giving higher reliability ratings to both local and national news programs, local medical professionals on television, local religious leaders, and the City Mayor. Men, on the other hand, gave significantly higher ratings to the President of the United States than did women.

### **Potential for Shopping Mall Information Booths**

Because shopping malls are plentiful and tend to be in centralized locations within communities, we were interested in investigating the potential of information booths in shopping malls as a source of information on what to do in the event of an emergency or terrorist attack.

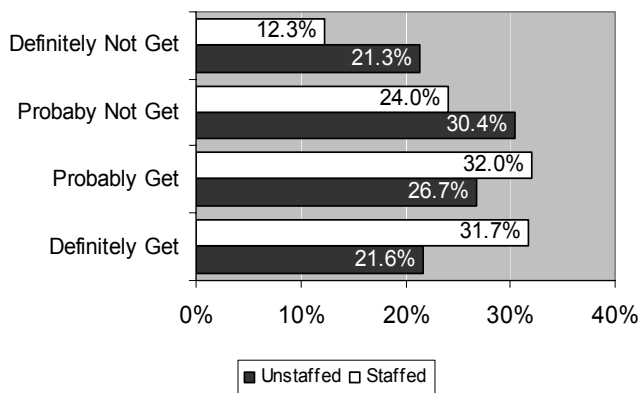
Half of the respondents were asked to suppose that there was an information booth available in an enclosed shopping mall near them. They were further told that *"This booth had a computer screen where you could get current, localized information on what people in your area should do in case of an emergency or terrorist attack."* The other half of the respondents were asked to imagine a similar booth, but one that was staffed by a Red Cross volunteer with a computer instead of just an unstaffed computer screen.

All respondents were then asked how likely they would be to stop by and get the information from the booth. They could respond that they would definitely get it, probably get it, probably not get it, or definitely not get it.

Respondents were significantly more likely to say that they would stop by and get the information if they were told that the booth would be staffed by a Red Cross volunteer than if they were told that there would just be a computer screen at the booth.<sup>3</sup>

Of those respondents who were told that there would be a computer screen at the booth, approximately a fifth (21.6%) said that they would definitely stop by and get the information and an additional 26.7 percent said that they probably stop by, indicating that slightly less than half of the respondents would utilize such a service. Of those respondents who were told that the booth would be staffed by a Red Cross volunteer with a computer, 31.7 percent said that they would definitely stop by and get the information and an additional 32 percent said that they probably would, totaling 63.7 percent. See Figure 5-3 for an illustration of these items.

**Figure 5-3: Predicted Use of Shopping Mall Information Booths**



Again, there were a number of different demographic differences on these items.<sup>4</sup> Those respondents with a relative living within walking distance were somewhat more likely than those with a relative within driving distance or no relative in the area to say that they would obtain

<sup>3</sup> In order to determine whether the difference was statistically significant, we created a mean for each of the variables and performed an independent-samples t-test. The difference is indeed statistically significant.

<sup>4</sup> In order to investigate these demographic differences, we first dichotomized the responses into two categories: those who would get the information (definitely get it and probably get it) and those that would not (definitely not get it and probably not get it).

information from a shopping mall booth containing a computer screen.

Out of all of the employment categories, students were the most likely to say that they would get information from these booths and those looking for work were the least likely.<sup>5</sup> Women were more likely than men to report they would use the information booths and those who attend religious services weekly or monthly were more likely than those that rarely attend them. Those working for private companies were significantly more likely than those working for non-profit organizations, the government, or those who were self-employed to say they would visit these booths.

Respondents with incomes greater than \$100,000 were significantly less likely than those with incomes less than \$100,000. Finally, Caucasians were less likely than those of other races, pet-owners were less likely than people without pets in the home, and men were less likely than women to report that they would get information about how to react in the event of a terrorist attack from a computer screen in an unstaffed shopping mall information booth.

As for those reporting that they would get information from a shopping mall information booth if it was staffed by a Red Cross volunteer, those living within DC were significantly less likely than those residing in Maryland or Virginia to predict future usage. This is perhaps influenced by the location of most large malls outside of DC city limits.

Those with a relative within walking or driving distance were more likely to report that they would use this booth than were those without a relative in the area.

Similarly to those who predicted that they would use a computer screen booth, pet-owners were less likely than people without pets in their homes to report that they would get information from a booth staffed by a Red Cross volunteer.

<sup>5</sup> It must be noted, however, that these categories were quite small, with only 21 students and only 14 people looking for work responding to this question. Any conclusions should therefore be drawn with caution.

Those people who live alone were less likely to get the information than those who live with someone else. Likewise, respondents with children in the home were more likely than those without children to report that they would probably or definitely use a booth staffed by a Red Cross volunteer. This is especially true if those children are under six years of age.

Contrary to the pattern based on job category that arose for the computer screen booths, those people working in private business, along with those working for the government, were more likely to report that they would get information from a shopping mall information booth staffed by a Red Cross volunteer.

Those with less than a high school education were the most likely to report that they would use this service, whereas those who had completed at least some graduate work were the least likely. Similarly, the greater one's income, the less likely he or she was to report predicted use of such a booth. This suggests the potential for such a service to reach those who might otherwise lack access to such information.

African Americans were the most likely to report that they would use a booth staffed by a Red Cross volunteer, whereas Caucasians were the least likely. Those of other races fell in between African Americans and Caucasians. Again, women were more likely than men and those who attend religious services weekly or monthly were more likely than those that rarely attend them.

Interestingly, higher community attachment was also associated with likelihood of getting information from a booth staffed by a Red Cross volunteer. Those respondents who were highly attached to the community were also the most likely to report that they would get information from this type of booth.

Finally, in general, younger people were more likely than older people to report that they would use a shopping mall information booth staffed by a Red Cross volunteer to obtain information about what to do in an emergency or terrorist attack.

## **Summary**

Respondents were most likely to report local television news, local radio, and national television news as sources that they would consult to get more information about what they should do in the event of a terrorist attack. Not surprisingly, these were also their most preferred sources of information. In terms of how reliable respondents think different types of sources are, national news programs and personal physicians were seen as the most reliable, whereas local religious leaders and the City Mayor were seen as the least reliable.

When asked if they would use an information booth in a shopping mall to obtain information about what to do in an emergency or terrorist attack, slightly less than half of the respondents said that they would use the booth if it involved a computer screen. Far more than half, however, said that they would use such a booth if it was staffed by a Red Cross volunteer. Significant demographic differences appeared for all items and are discussed above.

## Chapter 6: Confidence in Critical Infrastructure

This chapter will discuss the issues of residents' confidence in their essential government and private utility services, also called critical infrastructure.

### Confidence in Specific Services

We were interested in respondents' confidence in local services. They were asked to report how confident they would be that each of a list of services would still be available to them in the event of a major local emergency, such as a natural disaster or terrorist attack. Respondents were questioned about: electricity, natural gas, public water, cell phone service, home phone service, local broadcast television, cable television, internet access, radio, public transportation, highways, health care facilities, and local banks/financial institutions.

In order to rank these items from most confidence to least, we computed a mean response for each one. The higher the mean score, the more confidence the respondents had that the service would still be available in the event of a major local emergency. Table 6.1 shows the services ranked by mean, from most confidence to least. This table also illustrates the percent of respondents telling us that they were confident that each service would still be available.

Respondents were most confident that the radio would still be available in the event of a major local emergency, with 95.1 percent reporting that they were very or somewhat confident that it would still be available and 71.3 percent reporting that they were very confident. This finding is of particular importance given the fact that approximately a fifth of respondents listed local radio as their preferred source of information on what to do in the event of a terrorist attack, making it the second most cited source for information.<sup>6</sup>

Respondents also have a high amount of confidence that health care facilities would still be available in the event of a major local emergency. Approximately 40 percent reported that they were very confident that health care facilities would still be available and an additional 43.8 percent said that they were somewhat confident, totaling 83.9 percent.

The service receiving the third highest amount of confidence was local broadcast television, with slightly more than three-quarters (76.9%) reporting that they were somewhat or very confident that such a service would still be available. Almost a third (31.9%) were very confident. Again, this finding is of particular interest given the finding that a third of respondents rated local television news as their preferred source of information for what to do in the event of a terrorist attack.<sup>7</sup>

Closely following local broadcast television were public water and natural gas. Approximately three-quarters (74.3%) of respondents were very or somewhat confident that water would still be available and 74 percent were very or somewhat confident in the availability of natural gas piped to their home.

Home phone service ranked sixth in terms of respondents' confidence that it would still be available in the event of a major emergency. Only a quarter were very confident that the service would be available and 69.4 percent reported either very or somewhat confident.

Highways ranked next on the list, with 61.8 percent of respondents being somewhat or very confident that they would still be available (with 26.5% very confident).

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<sup>6</sup> See Chapter 5 for more information on respondents' preferred information sources.

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<sup>7</sup> Again, see Chapter 5 for more information on respondents' preferred information sources.

**Table 6-1: Confidence in Public Services**

Rank	Item	Mean	% Confident (Very & Somewhat)	% Very Confident Only
1	Radio	3.64	95.1	71.3
2	Health care facilities	3.20	83.9	40.1
3	Local broadcast TV	2.98	76.9	31.9
4	Public Water	2.94	74.3	29.8
5	Natural Gas	2.92	74.0	29.1
6	Home Phone Service	2.83	69.4	25.0
7	Highways	2.71	61.8	26.5
8	Electricity	2.69	61.0	21.4
9 (tie)	Local banks/Financial Institutions	2.63	61.6	20.2
9 (tie)	Cell Phone Service	2.63	58.8	23.9
11	Cable TV	2.62	58.9	22.8
12	Internet access	2.58	58.3	18.7
13	Public transportation	2.41	47.6	13.9

Ranking eighth in terms of mean confidence that the service would still be available was electricity. Sixty-one percent of respondents were somewhat or very confident that they could count on electricity being available (21.4% were very confident).

Tying for ninth place on the list in terms of mean confidence was local banks or financial institutions and cell phone service. Slightly more than 60 percent (61.6%) of respondents were somewhat or very confident that local banks or financial institutions would still be available in the event of a major local emergency, with 20.2 percent being very confident. Slightly less than 60 percent (58.8%) were somewhat or very confident that cell phones would still work, with 23.9 percent being very confident. Cell phone service is seen as slightly less reliable than “land line” telephone service.

Whereas respondents were quite confident that local broadcast television would be available in the event of a major local emergency, they were somewhat less confident that cable television would be available. Slightly less than 60 percent (58.9%) of respondents said that they were confident that cable television would still be available (22.8% were very confident).

Ranking twelfth on the list of thirteen items was internet access. Slightly less than a fifth (18.7%) of respondents were very confident that internet access would still be available after a major local emergency and an additional 39.6 percent were somewhat confident, totaling 58.3 percent.

Respondents were least confident that public transportation would be available. Less than half (47.6%) reported that they were either somewhat or very confident that this service would still be available in the event of a major local emergency. Only 13.9 percent were very confident.

**Demographic Differences in Confidence in Specific Services**

There were a number of differences in confidence in specific services based on different demographic variables. To investigate these demographic differences, we first dichotomized the responses into two categories: those who were confident (somewhat confident and very confident) and those who were not confident (not so confident and not at all confident). These differences are outlined in this section.

Respondents from Maryland expressed less confidence that electricity would still be available in the event of a major local emergency than did those respondents from Virginia and DC. They also expressed less confidence that local broadcast television and cable television would be available. Respondents from Virginia were more likely than those from Maryland or DC to say that they were confident that natural gas would still be pumped to their homes. Residents of DC were less confident than those of Virginia and Maryland that water and highways would still be available. Whereas confidence in radio services was high across the board, those respondents living in Virginia were the most confident while

those respondents living in DC were the least confident. The same pattern is true for confidence in healthcare services and confidence in banks/financial institutions.

Those respondents living in suburban areas, followed by those living in rural areas, were the most confident that natural gas would still be available in the event of a major local emergency. Those living in urban areas were the least confident in their natural gas. Those respondents living in rural areas were the most confident that water and highways would still be available. This was followed by respondents living in suburban areas and, finally, those living in urban areas. Those living in rural villages were much less likely than those living in other types of areas to express confidence in radio services. Finally, those respondents living in suburban areas were more confident than those living in rural or urban areas in the availability of healthcare services.

Respondents who were new to the area (*i.e.*, those who have lived there less than a year) were the most confident that local phone service and internet service would be available after an emergency, whereas those who had lived in the area for their entire lives were the least confident. Those living in a single family home were less confident than were those living in townhouses/duplexes or apartments/condominiums that electricity would still be available.

Those respondents with a relative living within walking distance were the most confident that public transportation services would still be available after a major local emergency, whereas those with no close relatives were the least confident. Respondents with a relative living within walking distance were also more confident in the availability of banks/financial institutions than were those with a close relative within driving distance or no close relatives.

Interestingly, those respondents who own a vehicle were less likely to express confidence that electricity would be available. On the other hand, vehicle owners were more likely to be confident that radio services would be available. Perhaps not surprisingly, those respondents without a vehicle were significantly more

confident that public transportation would still be available as compared to those with a vehicle.

Those respondents who live alone were significantly more confident that cell phone service would be available in the event of a major local emergency. They were less confident, however, that highways would be available. Respondents with teenagers living in the home were more confident in the availability of electricity than were those whose children are younger.

Older and younger respondents appeared to be less confident in the availability of highways than were middle-aged respondents. Those respondents aged 26 to 37 were the most confident in the availability of healthcare services, whereas respondents over the age of 50 were the least confident.

Respondents who are unemployed were more confident in the availability of cell phone service than were those who are employed—either full-time or part-time—and respondents who work full-time were the most confident in local broadcast television. Education appears to be related with one's confidence in the availability of natural gas, with those with higher levels of education being more confident than those with lower levels. On the other hand, those with lower levels of education were more confident in the availability of public transportation than were better educated respondents.

Those earning less than \$50,000 a year were less confident in the availability of local broadcast television and healthcare services in the event of a major local emergency than were respondents earning more than \$50,000. On the other hand, they were more confident in the availability of public transportation. Those respondents with very low incomes (*i.e.*, those earning less than \$15,000) were the least confident that radio services would be available. Those with incomes between \$50,000 and \$100,000 were more confident in the availability of internet services than were those earning more or less money.

Religion also appeared to make a difference in confidence in services. Respondents who attend religious services weekly or monthly were more

confident in the availability of internet services in the event of a major local emergency than were those who attend less often. The same is true for their confidence in public transportation.

Respondents who are married or widowed were more confident than those who are separated, divorced, or never married in the availability of radio service. The same is true for confidence in highways. Furthermore, those who are married are more confident in the availability of banks/financial institutions than are those who are single (including those who have never been married and those who are separated, divorced, or widowed).

Hispanic respondents were more confident in the availability of electricity than were those who are not Hispanic, whereas they were less confident in the availability of local broadcast television. Those respondents who self-reported Middle Eastern or Arab were less confident in the availability of local phone service than those who did not. African Americans were the least confident in the availability of natural gas, whereas Caucasians were the most confident. Finally, Caucasians and African Americans were less confident than respondents of other races in the availability of water.

In general, men were more confident in the availability of services in the event of a major local emergency than were women. Specifically, men were more confident in the availability of electricity, natural gas, water, local phone service, local broadcast television, internet services, and radio than were women.

Finally, there were two differences based on community attachment. Those respondents who were high in community attachment were more confident that water services and public transportation would still be available in the event of a major local emergency.

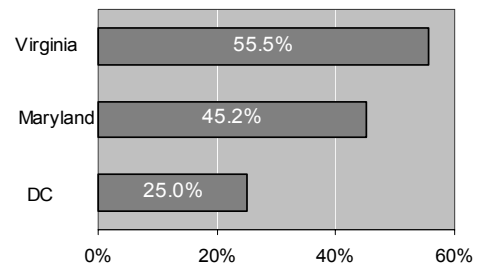
### Overall Confidence

In recent years, there have been a number of emergency situations in the National Capital Area. We were interested in how these situations affected respondents' confidence in their community's ability to manage a terrorist attack. Respondents were asked to tell us whether

emergency situations in the Capital Area—both weather-related and man-made emergencies—had made them a lot more confident, a little more confident, a little less confident, a lot less confidence, or had made no difference in their confidence in their community's ability to manage a terrorist attack.

The results were somewhat mixed. Almost half (46.4%) of the respondents said that prior experience with emergency situations in the National Capital Area had made them more confident (with 14% saying a lot more confident). On the other hand, 36.5 percent of respondents said that their prior experience had made them less confident (with 11.7% saying a lot less confident). The remaining 17.1 percent said that their prior experience made no difference in their confidence.

**Figure 6-1: Effect of Prior Experience on Confidence in Community Response**



In terms of demographic differences, those respondents residing within DC were much less likely to report that their prior experiences with emergency situations in the National Capital Area had increased their confidence in their community's ability to manage a terrorist attack, as compared to those living in Virginia or Maryland. African Americans were less likely than Caucasians or those of other races to report increased confidence. On the other hand, those respondents who attend weekly religious services were more likely to report increased confidence due to prior emergency situations than were those respondents who attend less frequently. Similarly, men were more likely than women to report increased confidence. Finally, those respondents who demonstrated a high amount of community attachment were much more likely to report that previous emergency

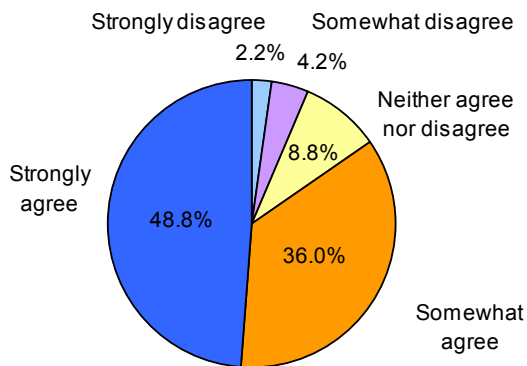
events had increased their confidence in their community’s ability to manage a terrorist attack.

Related to confidence in their community is respondents’ willingness to follow local government instructions in case of an emergency. Respondents were asked to report whether they strongly agreed, somewhat agreed, somewhat disagreed, strongly disagreed, or were neutral in regards to the following statement:

*“I would strictly follow local government instructions for health protection and treatment until the crisis had passed.”*

Results demonstrated strong confidence in the local government, with almost half (48.8%) of the respondents saying that they strongly agree that they would strictly follow government instructions. Another 36 percent said that they somewhat agree. Less than 10 percent (8.8%) were neutral, 4.2 percent somewhat disagreed, and only 2.2 percent strongly disagreed. See Figure 6-2.

**Figure 6-2: Agreement that Respondent Would Follow Government Instructions**



Whereas agreement with the above statement is high across the board, those respondents living in small towns were the most likely to say that they would strictly follow local government instructions. This was followed by those living in urban or suburban areas. Those living in rural villages or out in the country were less likely to say that they would follow government instructions. Agreement also appears to be somewhat related to age, with older respondents being more likely than younger respondents to state that they would be willing to follow local

government instructions. Caucasians were more likely than non-Caucasians to report agreement with this statement.

Finally, those respondents who were high in community attachment were significantly more likely to report that they would strictly follow local government instructions for health protection and treatment until the crisis had passed than were respondents who were lower in community attachment.

### Summary

This chapter dealt primarily with respondents’ confidence in what would happen in the event of a major local emergency. Respondents showed varying levels of confidence—ranging from 47.6 percent to 95.1 percent—that different services would still be available.

Respondents’ opinions about how prior local emergencies had affected their confidence were mixed, with almost half saying that prior experience had made them more confident and more than a third saying that it had made them less confident (the remaining respondents said that it made no difference). The overwhelming majority, however, said that they would strictly follow local government instructions in the event of an emergency.

## Chapter 7:

### Views about Responsibility

This chapter will discuss the issues of residents' attitudes toward anti-terrorism policies. In particular, we asked respondents who they felt should keep the country safe from terrorists, who should pay for anti-terrorism efforts, the trade-offs between individual liberties and increased protection, and the Patriot Act.

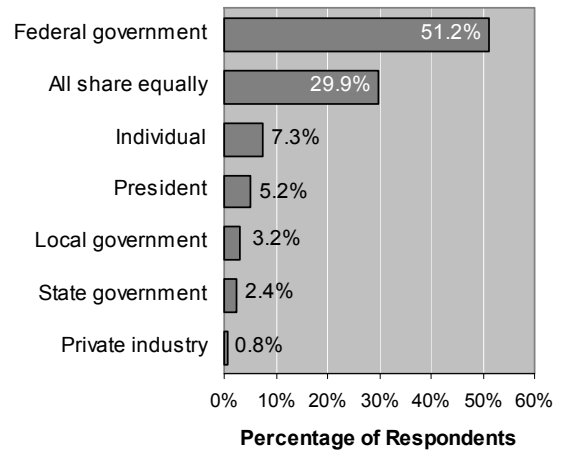
#### Attitudes toward Anti-Terrorism Policies

We were interested in gauging who respondents think is responsible for protecting them from terrorist attacks. Respondents were asked who they think is primarily responsible for keeping the United States safe from domestic and foreign terrorism. They could choose from the individual, the local government, the state government, the federal government, or private industry. The majority of respondents (51.2%) said that the federal government is responsible.

Less than 10 percent (7.3%) said that the responsibility lies on the individual, 3.2 percent said that the local government is responsible, 2.4 percent said the state government, and less than one percent said that private industry is responsible. Almost 30 percent (29.9%), however, volunteered the response that everyone shares responsibility and 5.2 percent volunteered that the responsibility should fall on the President. See Figure 7-1. When we combine the volunteered responses for the President with that of the Federal government, well over half (56.4%) believe that this branch of the government is responsible for protecting citizens from terrorist attacks.



**Figure 7-1: Views About Responsibility**



A number of different demographic variables arose for this item. Interestingly, those respondents who do not own a car were somewhat less likely than those owning cars to say that the Federal government or individuals are responsible and were somewhat more likely to say that the responsibility falls on the State government or to everyone equally.

Looking at age, older respondents were somewhat less likely to report that the responsibility belongs to the individual than were younger respondents. Similarly, younger respondents were more likely than older respondents to say that the responsibility should go to private industry. Respondents differed slightly in their responses to this question based on their level of education. Those who had not completed high school, as compared to other respondents, were more likely to say that the local government or private industry should be responsible, and were less likely to say that the Federal government should be responsible.<sup>8</sup>

Hispanic people were somewhat less likely than non-Hispanics to say that the Federal government or everyone equally is responsible and were somewhat more likely to say that the responsibility falls on the State government or private industry. Finally, looking at race, African Americans were less likely than Caucasians and those of other races to report that the responsibility belongs to the Federal government

<sup>8</sup> It must be stated, however, that only 27 respondents fell into this category. Any conclusions, therefore, must be drawn with caution.

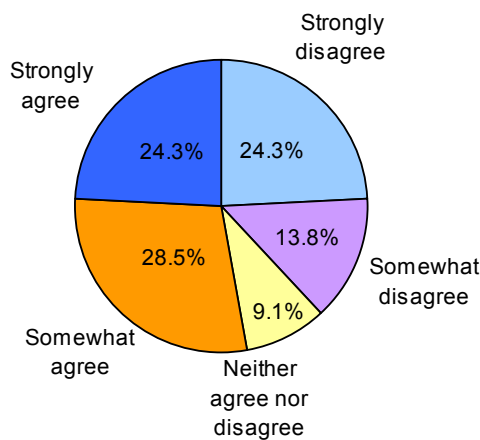
and were slightly more likely to say that it belongs to the local government and to everyone equally. Interestingly, no one who was of a race other than Caucasian or African American thought that the responsibility should go to the local government.

### Willingness to Pay for Anti-Terrorism Efforts

In terms of who should pay for anti-terrorism efforts, respondents were asked how much they agree with the following statement: *“I would be willing to pay more taxes now if it could better protect me from terrorist threats in the future.”*

Respondents could say that they strongly agreed, somewhat agreed, somewhat disagreed, strongly disagreed, or were neutral. Again, results were mixed. Approximately a quarter of the respondents (24.3%) said that they strongly agreed with the statement and an additional 28.5 percent somewhat agreed, totaling slightly more than half (52.8%) in agreement that they would be willing to pay more taxes. Approximately a quarter of the respondents (24.3%), however, said that they strongly disagreed with the statement and another 13.8 percent somewhat disagreed. Slightly less than a tenth (9.1%) of respondents were neutral in relation to this statement.

**Figure 7-2: Willing to Pay More Tax for Increased Protections from Terrorism**

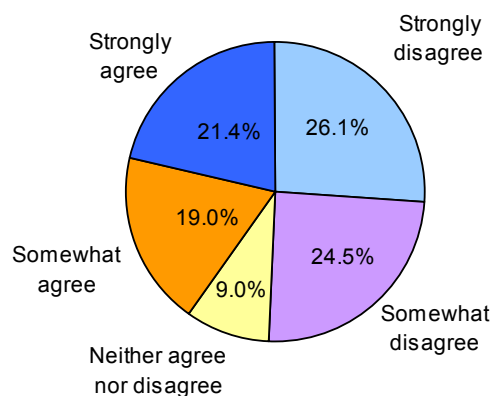


To investigate these differences by group, we first dichotomized the responses into two categories: those who agreed (somewhat agree and strongly agree) and those who disagreed

(somewhat disagreed and strongly disagreed) or were neutral. Those respondents living in Virginia were the most likely to say that they would pay more taxes in return for increased protection, whereas those living in DC were the least, with residents of Maryland falling in between. Similarly, those living in urban areas were less likely than those living in rural areas to agree with this statement. Those respondents who have teenagers living within the household were more likely to agree with this statement than were parents whose children are younger. Finally, Hispanic people were much less likely than non-Hispanics to agree with this statement and Caucasians were slightly, but significantly, more likely to agree with this statement than were African Americans and respondents of other races.

Similar results to the previous question appeared when respondents were asked whether they agreed that *“the government spends too much time and money on purported anti-terrorism efforts.”* Slightly more than a quarter (26.1%) strongly disagreed and another 24.5 percent somewhat disagreed, demonstrating that they were pleased with the status quo. Nineteen percent, however, somewhat agreed with the statement and approximately a fifth (21.4%) of respondents strongly agreed, indicating that not all respondents are pleased with the amount of money that the government is currently spending on anti-terrorism efforts. Nine percent of respondents were neutral in regards to this statement. See Figure 7-3.

**Figure 7-3: Agreement that Government Spends Too Much on Anti-Terrorism Efforts**



A number of different demographic differences appeared for this item as well. Interestingly, those respondents living in Virginia were somewhat more likely to disagree with this statement than were respondents living in Maryland or DC, indicating that they are more pleased with the government’s current spending on anti-terrorism efforts.

Respondents’ opinions regarding this question also varied by employment status. Those respondents who were looking for work were the most likely to agree with this statement, indicating that they thought that the government is spending too much time and money on anti-terrorism efforts. Those respondents working full-time, homemakers, and retired persons were somewhat more likely to disagree, indicating that they are pleased with the status quo. Those respondents who had not graduated from high school were more likely to agree with this statement and those with incomes greater than \$100,000 were significantly more likely to disagree.

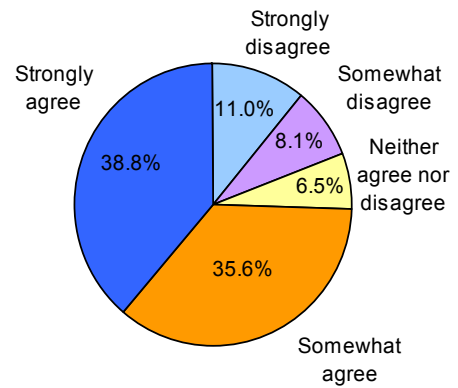
Perhaps not surprisingly, those respondents who had served in the military were somewhat more likely to disagree with this statement than were those who had never served. Those respondents of who reported themselves to be Middle Eastern or Arab were much more likely to agree with this statement, indicating that they think the government is spending too much time and money on anti-terrorism efforts. Finally, Caucasians were more likely than those of other races to report their disagreement with this statement.

**Individual Liberties vs. Increased Protection**

Another important question is whether or not respondents would be willing to experience more inconveniences if it could help the government protect them from terrorist threats in the future. The majority of respondents said that they would be willing to undergo increased inconveniences if it meant that it would help the government protect them. Almost 40 percent (38.8%) strongly agreed that they would be willing to experience more inconveniences and an additional 35.6 percent somewhat agreed, totaling almost 75 percent. Eleven percent of

respondents strongly disagreed, 8.1 percent somewhat disagreed, and 6.5 percent were neutral. See Figure 7-4.

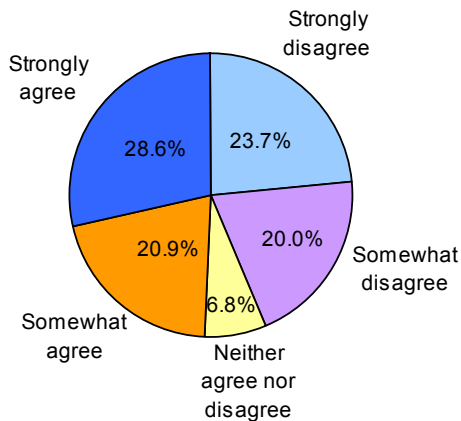
**Figure 7-4: Willingness to Undergo More Inconveniences**



Although agreement with this statement is high for all groups, those respondents residing within DC were much less likely than those living in Virginia or Maryland to say that they would be willing to undergo increased inconveniences if it could help the government protect them from terrorist threats in the future. Similarly, those living in rural areas agree more with this statement than those living in urban areas. Those with pets at home were significantly less likely to say that they would be willing to undergo increased inconveniences. Those who attend religious services weekly or monthly, as compared to those who attend less often, were more likely to state that they would be willing to undergo more inconveniences if it meant that it would help the government protect them better. Finally, women were more likely to be willing to undergo more inconveniences than were men.

When asked, however, whether or not the government has taken away too many individual rights in its efforts to combat terrorism, opinions were more mixed. Almost 30 percent (28.6%) strongly agreed that the government had taken away too many individual rights and another 20.9 percent somewhat agreed. A fifth somewhat disagreed with the statement and another 23.7 percent strongly disagreed, indicating that 43.7 percent were pleased with the status quo. Approximately 7 percent (6.8%) expressed neutrality. See Figure 7-5.

**Figure 7-5: Agreement that Government Has Taken Away Too Many Individual Rights**



Once again, a number of different demographic variables emerged on this item. First, residents of DC were the most likely to agree with this statement, indicating that they think that the government has taken away too many individual rights. Residents of Virginia were the least likely to agree and residents of Maryland fell in between. Similarly, those living in urban areas were more likely to agree with this statement than were those living in suburban or rural areas. Interestingly, respondents living in a duplex or townhouse were less likely to agree that the government has taken away too many rights than were those living in single-family homes or apartments.

Homemakers and retired persons were much more likely to disagree with this statement than were those of other employment statuses, indicating that they were more pleased with the status quo. Those who have never been married were the most likely to agree with the statement and those who are widowed were the least likely. Those with incomes greater than \$100,000 were more likely to disagree that the government had taken away too many rights than were those who earn less than \$100,000. Looking at race, Caucasians, followed by African Americans, were the most likely to disagree. Those of other races were somewhat more likely to agree with this statement. Men were more likely to agree than were women.

Finally, those respondents who were high in community attachment were less likely to agree with this statement, indicating that those high in

community attachment are more pleased with the status quo than are those who are lower in community attachment.

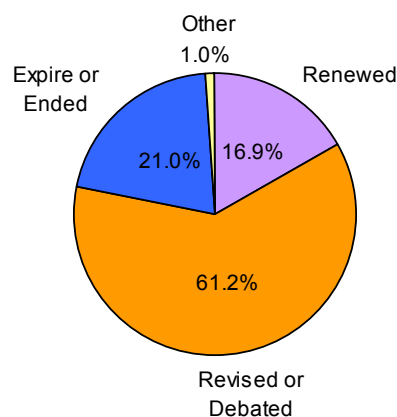
### Patriot Act

In order to investigate respondents' opinions towards the Patriot Act, we first asked a screener question to ensure that only those familiar with the act were asked for their opinions. More than half (57.3%) of the respondents were familiar with the Patriot Act. The rest of the respondents said that they had only just heard of it (21.2%) or that they were not familiar with it (21.5%).

Those respondents that said that they were familiar with the Patriot Act were asked: *“As you may have heard, many parts of the Patriot Act are due to expire in 2005. Do you feel the Patriot Act should be renewed in its present form, revised after congressional debate, or allowed to expire?”*

The majority of respondents (61.1%) felt the Patriot Act should be revised after congressional debate. About a fifth (20.9%) of respondents felt as though the act should be allowed to expire, and the remaining 16.9 percent thought that it should be renewed in its present form. See Figure 7-6.

**Figure 7-6: Views toward Renewal of the Patriot Act**



Once again, there was a significant difference for this item based on where in the National Capital Area one resides. Those respondents who live in DC were much more likely to say that the Patriot Act should be allowed to expire and much less likely to say that it should be

renewed in its present form than were respondents living in Virginia or Maryland.

Those respondents who attend religious services weekly were the most likely to think that the Patriot Act should be revised or debated, whereas those who never attend religious services were the most likely to think that it should be ended or allowed to expire.

Those respondents with children under the age of 18 living at home were much more likely to think that the Patriot Act should be renewed in its present form than were respondents without children under 18.

Similarly, those respondents with a high school degree or less were much more likely to think that the Patriot Act should be renewed in its present form and much less likely to think that it should be allowed to expire.

### **Summary**

Most respondents felt as though it is the federal government's responsibility to keep the US safe from terrorism, but results were mixed when asked about paying for that protection. The majority of respondents said that they would be willing to undergo increased inconveniences if it would help the government protect them, but opinions were mixed when asked if the government had taken away too many individual rights in its efforts to combat terrorism. Those respondents who were familiar with the Patriot Act were asked their opinions about its renewal. The majority said that they felt that it should be revised after congressional debate. Demographic differences on all these items are discussed above.

## Chapter 8: Summary & Recommendations

### Summary

This survey was conducted by the University of Virginia's Center for Survey Research (CSR) in the spring of 2005, commissioned by the University of Virginia branch of the Critical Incident Analysis Group (CIAG), a consortium of universities in the Washington, D.C. area. This survey was administered to examine public response to potential terrorist threats that may involve evacuation or sheltering in place. To this end, we conducted a telephone survey of 1,071 randomly selected residents of the National Capital Region (NCR). We asked questions about emergency preparedness, trust in sources of information, opinions about anti-terrorism policies, and what residents might do in the event of terrorist attacks requiring periods of voluntary confinement.

Many NCR residents have prepared themselves for an emergency by storing away food, water, and other essentials. However, about a third have no food or water available in the event of an emergency, and about half of residents do not feel they would be able to shelter at home for more than a week.

When evacuation is warranted, more respondents would seek refuge with a friend or relative than would go to a public shelter. People also seem to feel that traveling over 20 miles away from the hazard is preferable to staying nearby. Lower Socio-economic status (SES) households and people more attached to their communities are more likely to stay nearby.

When asked about notifying residents who should evacuate, respondents were split evenly on whether they wanted to be notified by distance from the hazard or by zip code. Since fewer than 30 percent of residents know their 9-digit zip codes, notification by distance may be more practical.

The majority of respondents would follow authoritative advice to shelter in place in the event of a terrorist emergency. However, there remain sizable portions of the NCR population

that are unwilling or unable to shelter. In general, residents who are more strongly attached to their community are more willing to shelter at home in an emergency. Nonetheless, residents need convincing evidence that loved ones are being cared for if families are separated, as many would face danger to be with family and friends. Bringing food, water, and needed supplies directly to confined residents would significantly increase cooperation. The need for information about the crisis and communication with loved ones is also a priority during any shelter-in-place scenario. For situations in which residents must be confined at home for a long period, most do not feel that boredom or restlessness would be a serious problem.

Respondents were most likely to report local television news, local radio, and national television news as sources that they would consult to get more information about what they should do in the event of a terrorist attack. When respondents were asked how reliable they thought different types of information sources were, national news programs and personal physicians were seen as the most reliable, whereas local religious leaders and the city mayor were seen as the least reliable.

When asked if they would use an information booth in a shopping mall to obtain information about what to do in an emergency or terrorist attack, slightly less than half of the respondents said that they would use the booth if it involved a computer screen. Far more than half, however, said that they would use such a booth if it was staffed by a Red Cross volunteer.

In the event of an emergency, respondents showed varying levels of confidence—ranging from about fifty to one-hundred percent—that different services would still be available. It was felt that radio and health care facilities would still be functioning, but public transportation, cell phone, cable TV, and internet access might not be.

Respondents' opinions were mixed about how prior local emergencies had affected their confidence in the ability of local government to manage emergencies. Almost half said that prior

experience had made them more confident but more than a third said that it had made them less confident. The overwhelming majority, however, said that they would strictly follow local government instructions in the event of an emergency.

Most respondents felt as though it is the federal government's responsibility to keep the United States safe from terrorism, but results were mixed when asked about how that protection should be funded. The majority said they would be willing to undergo increased inconveniences if it would help the government protect them, but opinions were divided when asked if the government had taken away too many individual rights in its efforts to combat terrorism. Most respondents who were familiar with the Patriot Act said that it should be revised after congressional debate.

## **Recommendations**

Public preparedness and response to terrorism varies according to the type of attack that might occur. In the event of a crisis that would require temporary confinement in the National Capital Region, this report demonstrates that simply telling the public to shelter in place would not be feasible for everyone. Residents are largely willing to shelter in place and follow the advice of authorities in an emergency, but many do not have the resources to do so.

Survey results indicate that the public would respond favorably to a community shielding approach wherein localities plan to bring food, water, medications, and other needed supplies directly to residents' homes or businesses. To be most successful, such an approach must also attempt to keep families together, or at the very least provide a means to let residents know their loved ones are safe. However, some members of the community can be expected to not cooperate even if provided with basic needs because they would feel safer somewhere else.

Public education efforts are also warranted to make sure the public is prepared for a crisis of this nature. Residents need to be informed of the importance of learning their 9-digit zip code and instructed regarding the type of emergency supplies to have on hand.

Due to various group differences, community shielding requires tailoring to locality-specific needs. Further study is recommended to develop a community shielding and emergency preparedness plan for the NCR. Additional surveys are warranted to assess community response to this concept in other areas of the nation.

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**Appendix A:**  
**Phone Interview Script**



## Appendix A Phone Interview Script

### INTRODUCTION

{INTRO}

Hello. My name is \_\_\_\_\_. I am calling from the Center for Survey Research at the University of Virginia. We're conducting a survey to find out how you might respond to various emergency situations. You may have received a postcard about our project. Your responses will help improve the government's ability to respond to an emergency, such as terrorist attack. This project is sponsored by the US Department of Homeland Security. Your household was selected at random, and your answers are confidential. Do you have a few minutes to answer some questions?

{ANSMACH}

***[Interviewers will read only if a residential answering machine is reached.]***

My name is \_\_\_\_\_. I am calling from the Center for Survey Research at the University of Virginia. We're conducting a research study to find out how people in the DC area might respond to various emergency situations. Your responses are important because it will help improve the government's ability to help communities like yours during an emergency, such as terrorist attack. This survey is a collaborative project between the University of VA and George Mason University and funded by the Department of Homeland Security. You may have received a postcard about this project. We will call you again later. Thank you for your time.

{COUNTY}

Which city or county do you live in?

- 01 ARLINGTON COUNTY, VA
- 02 ALEXANDRIA CITY, VA
- 03 CHARLES COUNTY, MD
- 04 DISTRICT OF COLUMBIA
- 05 FAIRFAX CITY, VA
- 06 FAIRFAX COUNTY, VA
- 07 FAUQUIER COUNTY, VA
- 08 LOUDOUN COUNTY, VA
- 09 MANASSAS CITY, VA
- 10 MANASSAS PARK CITY, VA
- 11 MONTGOMERY COUNTY, MD
- 12 PRINCE GEORGE'S COUNTY, MD
- 13 PRINCE WILLIAM COUNTY, VA
- 14 STAFFORD COUNTY, VA
- 15 OTHER (SPECIFY: \_\_\_\_\_ )
- 16 DON'T KNOW/REFUSED

[IF R SAYS "WASHINGTON": "Do you live in the District of Columbia?"]

{R1GO/R2GO}

Okay, let's move on to the rest of the survey, which should take about 20 minutes. I want to remind you that all of your answers are confidential, and you can decline to answer any question at any time. This survey is a collaborative project between the University of Virginia and George Mason University, funded by Homeland Security. Some of the questions are about what you might do in the event of a terrorist attack.

**HOUSEHOLD & NEIGHBORHOOD INFORMATION**

{DCLIVE}

Before I ask about what you would do in an emergency, I'd like to get a better idea of your living situation.

How long have you lived in the National Capitol Area? [INTERVIEWERS: READ AS NECESSARY]

- 1 LESS THAN ONE YEAR
- 2 ONE TO TWO YEARS
- 3 THREE TO FIVE YEARS
- 4 SIX TO TEN YEARS
- 5 ELEVEN TO NINETEEN YEARS
- 6 TWENTY YEARS OR MORE, BUT NOT ALL MY LIFE
- 7 ALL MY LIFE
- 8 NOT SURE/ DON'T KNOW
- 9 REFUSED

{LOCALCOM}

Now I'd like to ask you some questions about your local community. By local community I mean your part of the metro area, city, or county, just around where you live. [AS NEEDED: For some people, this would mean the town or village in which they live, or it could be their neighborhood. For some people, it could be their subdivision or development.]

So, how long have you lived in your community? [INTERVIEWERS: READ AS NECESSARY]

- 1 LESS THAN ONE YEAR
- 2 ONE TO TWO YEARS
- 3 THREE TO FIVE YEARS
- 4 SIX TO TEN YEARS
- 5 ELEVEN TO NINETEEN YEARS
- 6 TWENTY YEARS OR MORE, BUT NOT ALL MY LIFE
- 7 ALL MY LIFE
- 8 NOT SURE/ DON'T KNOW
- 9 REFUSED

{FIVEYEAR}

Would you like to be living in this same community five years from now?

- 1 YES
- 2 NO
- 8 DON'T KNOW/NOT SURE
- 9 REFUSED

{HOMEOWN}

Do you own your own home, or are you renting?

- 1 OWNS [DWELLING IS OWNER-OCCUPIED]
- 2 RENTS
- 3 OTHER [SPECIFY: \_\_\_\_\_]
- 8 DON'T KNOW
- 9 REFUSED/ NO ANSWER

{KINDHOME}

What kind of place are you living in—is it a

- 1 single family home
- 2 a duplex or townhouse [OR ANY TWO FAMILY DWELLING]
- 3 an apartment or condominium [ANY MULTI-FAMILY WITH 3 OR MORE UNITS]
- 4 a mobile home or trailer
- 5 a dormitory
- 6 or some other kind of structure [SPECIFY: \_\_\_\_\_]
- 8 DON'T KNOW/ NO ANSWER
- 9 REFUSED

{STORIES}

**[If APARTMENT or CONDO (KINDHOME=3) then continue, otherwise skip to next question.]**

How many stories tall is your building?

ENTER NUMBER HERE \_\_\_\_\_ AND PRESS BUTTON  
ENTER "99" FOR REFUSAL

{AREA}

And would you describe the area in which you live as

- 1 an urban area (like in a city)
- 2 a suburban area
- 3 small town
- 4 a rural village
- 5 out in the country?
- 8 DON'T KNOW
- 9 REFUSED

{NEIGHBOR}

About how many neighbors do you know on a first-name basis?

[DEFINITION IF NECESSARY: "Neighbors are people who live within a short distance of your home."]

[INTERVIEWERS: READ AS NECESSARY]

- 1 NONE
- 2 1 OR 2
- 3 3 TO 5
- 4 6 TO 10
- 5 10 OR MORE
- 6 R HAS NO NEIGHBORS—ISOLATED DWELLING
- 8 DON'T KNOW
- 9 REFUSED/ NO ANSWER

{CLOSEREL}

Do you have any close relatives who live within walking distance of your home? [IF NECESSARY: "By close relatives I mean immediate family who are not living with you, and also any other relatives you may have whom you see regularly and feel close to."]

- 1 YES
- 2 NO
- 8 DON'T KNOW/NOT SURE
- 9 REFUSED

{DRIVEREL}

**[If no or don't know (CLOSEREL>1) then continue, otherwise skip to next question.]**

Do you have any close relatives who live within 15 minutes drive of your home? [IF NECESSARY: "We mean: driving one way in normal traffic conditions."]

- 1 YES
- 2 NO
- 8 DON'T KNOW/NOT SURE
- 9 REFUSED

{ADULTS}

How many people age 18 and older stay in your household, including yourself? Include people who regularly stay with you on a part-time basis.

ENTER NUMBER HERE \_\_\_\_\_ AND PRESS BUTTON  
ENTER "98" FOR DON'T KNOW AND "99" FOR REFUSAL

{CHILD}

Are there any children under 18 years of age living in your home?  
[IF NECESSARY: Include step-children, adopted children, and grandchildren living in your household, and children who may stay with you regularly on a part-time basis.]

- 1 YES
- 2 NO
- 8 DON'T KNOW
- 9 REFUSED

{UNDER 6}

**[IF 1 OR MORE UNDER 18]**

How many are age 5 or younger? \_\_\_\_\_

INTERVIEWER ENTER NUMBER: \_\_  
USE 98 FOR DON'T KNOW AND 99 FOR REFUSED

{SIXUP}

How many are age 6 to 12? \_\_\_\_\_

INTERVIEWER ENTER NUMBER: \_\_  
USE 98 FOR DON'T KNOW AND 99 FOR REFUSED

{TEENS}

And how many are age 13 to 17? \_\_\_\_\_

INTERVIEWER ENTER NUMBER: \_\_  
USE 98 FOR DON'T KNOW AND 99 FOR REFUSED

{PETS}

And do you have any pets at home?

- 1 YES
- 2 NO
- 8 DON'T KNOW/NOT SURE
- 9 REFUSED

{PETTYPE}

**[IF YES (PETS=1) then continue, otherwise skip to next question]**

What kind of pets? [SELECT ALL THAT APPLY]

- 1 Dog
- 2 Cat
- 3 Other mammal
- 4 Bird
- 5 Reptile
- 6 Fish
- 7 OTHER (SPECIFY:) \_\_\_\_\_
- 8 NO PETS
- 9 DON'T KNOW/REFUSED

**OPINIONS ABOUT GOV'T & INFRASTRUCTURE**

{GOVT}

I'm going to read a list of local services. If you don't currently have the service, just say so. In the event of a major local emergency, such as a natural disaster or terrorist attack, how confident are you that each service would still be available to you? Very confident, somewhat confident, not so confident, or not at all confident?

How confident are you that \_\_\_\_\_ would still be available to you.

- 1 Very Confident,
- 2 Somewhat confident,
- 3 Not so confident, or
- 4 Not at all confident?
- 7 DON'T HAVE THIS SERVICE (N/A)
- 8 DON'T KNOW
- 9 REFUSED

{GOVT1 – 12}

- 1 Public Transportation \_\_\_\_\_
- 2 Gas Service to your home \_\_\_\_\_
- 3 Electricity to your home \_\_\_\_\_
- 4 Public Water (from the tap in your home) \_\_\_\_\_
- 5 Cell Phone Service \_\_\_\_\_
- 6 Home Telephone Service (land line) \_\_\_\_\_
- 7 Local broadcast TV \_\_\_\_\_
- 8 Cable TV \_\_\_\_\_
- 9 Access to the Internet through your local provider \_\_\_\_\_
- 10 Radio \_\_\_\_\_
- 11 Health Care Facilities \_\_\_\_\_
- 12 Local banks/financial institutions \_\_\_\_\_

{CONFID}

In recent years, there have been several emergency situations in the National Capital Area, some of them weather-related and some man-made emergencies. Do experiences in these prior events make you more or less confident in your community's ability to manage a terrorist attack?

Are you ....

- 1 A lot more confident,
- 2 A little more confident,
- 3 A little less confident,
- 4 A lot less confident,
- 5 Or do prior emergencies make no difference in your confidence?
- 6 NO EXPERIENCE WITH PRIOR EMERGENCIES (N/A)
- 8 DON'T KNOW
- 9 REFUSED

{SHOPINF1/ SHOPINF2}

**[Half of the respondents get OPTION 1 and half get OPTION 2.]**

Suppose there was an information booth available in an enclosed shopping mall near you.

OPT 1: This booth had a computer screen where you could get ...

OPT 2: This booth was staffed by a Red Cross volunteer with a computer who could provide you with... current, localized information on what people in your area should do in case of an emergency or terrorist attack. How likely would you be to stop by and obtain that information?

- 1 Would you definitely get it,
- 2 probably get it,
- 3 probably not, or
- 4 definitely not stop by and get the information?
- 8 DON'T KNOW
- 9 REFUSED

{FOLLOW}

In the event of a terrorist attack, how strongly do you agree with the following statement?

"I would strictly follow local government instructions for health protection and treatment until the crisis had passed."

[IF NECESSARY: You can answer that you strongly agree, somewhat agree, somewhat disagree, or strongly disagree. You can also say that you neither agree nor disagree, what we call neutral.]

- 1 strongly agree
- 2 somewhat agree
- 3 neutral
- 4 somewhat disagree
- 5 strongly disagree
- 8 DON'T KNOW
- 9 REFUSED

{USASAFE}

Who do you think is primarily responsible for keeping the US safe from domestic and foreign terrorism?

- 1 The individual
- 2 Local Government
- 3 The State Government
- 4 The Federal Government, or
- 5 Private Industry
- 6 ALL SHARE EQUALLY
- 7 THE PRESIDENT
- 8 DON'T KNOW
- 9 REFUSED

{TAXES}

**[75% of respondents will receive this question.]**

How strongly do you agree with the following statement?

“I would be willing to pay more taxes now if it could better protect me from terrorist threats in the future.”

[READ RESPONSES ONLY IF NECESSARY]

- 1 strongly agree
- 2 somewhat agree
- 3 neutral
- 4 somewhat disagree
- 5 strongly disagree
- 8 DON'T KNOW
- 9 REFUSED

{MONEY}

**[75% of respondents will receive this question.]**

How strongly do you agree with the following statement?

“The government spends too much time and money on purported anti-terrorism efforts.”

[READ RESPONSES ONLY IF NECESSARY]

- 1 strongly agree
- 2 somewhat agree
- 3 neutral
- 4 somewhat disagree
- 5 strongly disagree
- 8 DON'T KNOW
- 9 REFUSED

{INCONV}

**[75% of respondents will receive this question.]**

How strongly do you agree with the following statement?

“I would be willing to experience more inconveniences now if it could help the government protect me from terrorist threats in the future.”

[READ RESPONSES ONLY IF NECESSARY]

- 1 strongly agree
- 2 somewhat agree
- 3 neutral
- 4 somewhat disagree
- 5 strongly disagree
- 8 DON'T KNOW
- 9 REFUSED

{RIGHTS}

**[75% of respondents will receive this question.]**

How strongly do you agree with the following statement?

“The government has taken away too many individual rights in its efforts to combat terrorism.”

[READ RESPONSES ONLY IF NECESSARY]

- 1 strongly agree
- 2 somewhat agree
- 3 neutral
- 4 somewhat disagree
- 5 strongly disagree
- 8 DON'T KNOW
- 9 REFUSED

{PATACT1}

Are you familiar with the Patriot Act?

- 1 YES
- 2 ONLY HEARD OF IT
- 3 NO
- 8 DON'T KNOW
- 9 REFUSED

[IF R ASKS FOR INFO ABOUT ACT: Because this has become a political issue, I'm really not free to tell you more about it, but you can certainly look it up on the Internet.]

{PATACT2}

**[If YES (PATACT1=1) then continue, otherwise skip to next question.]**

As you may have heard, many parts of the Patriot Act are due to expire in 2005. Do you feel the Patriot Act should be renewed in its present form, revised after congressional debate, or allowed to expire?

[READ RESPONSES 1-3 ONLY IF NECESSARY]

- 1 RENEWED
- 2 REVISED OR DEBATED
- 3 EXPIRE OR ENDED
- 4 OTHER [SPECIFY: \_\_\_\_\_]
- 8 DON'T KNOW
- 9 REFUSED

## COMMUNITY EVENT: DIRTY BOMB WHILE AT HOME

{DBINTRO}

Now I'd like to describe some specific situations that might or might not happen in the future. Each of the situations involves a terrorist attack. I'll describe an imaginary situation and then ask you some questions about it.

Please imagine that one afternoon, when you are at home, you hear on the news that a bomb has just exploded in a building a mile away. Authorities believe it was a “dirty bomb.” A dirty bomb is not an atomic bomb, but an ordinary bomb that has radioactive material mixed in it, so the explosion spreads radioactive material on the ground and into the air.

{DBKNOW}

Before today, did you know the *difference* between a "dirty bomb" and an atomic bomb?

- 1 YES (DID KNOW WHAT A DIRTY BOMB WAS)
- 2 SOMEWHAT AWARE
- 3 NO (DID NOT KNOW WHAT A DIRTY BOMB WAS)
- 8 DON'T KNOW
- 9 REFUSED

{DBDETAIL}

[DO NOT READ QUICKLY. IF NECESSARY, TELL R THIS MAY TAKE A MINUTE TO READ.]

The building where the bomb exploded has been mostly destroyed. The news report says that a large dust cloud containing some radiation has begun to blow slowly across your community, moving in your direction. People who are outside will be exposed to the radiation. The radiation is unlikely to harm them right away, but some people who get exposed to the radiation could get cancer from it many years from now.

Radioactive material falling to the ground could contaminate the area. Government officials in your community have declared a state of emergency, and residents in the area are instructed to take shelter at home or in some type of building, since this will provide significant protection from radioactive dust created by the blast. They want everyone in your community to stay in their place of shelter for 48 hours or until an "all clear" is given. Remember, we're imagining that you are at home in the afternoon when you get this news.

{DBSTAYGO}

Based on this information, would you *stay at home* or would you *leave immediately* to go somewhere else?

- 1 STAY AT HOME
- 2 LEAVE IMMEDIATELY
- 3 OTHER [SPECIFY: \_\_\_\_\_]
- 8 DON'T KNOW
- 9 REFUSED

{DBHOWLNG}

***[If STAY AT HOME (DBSTAYGO=1) then go on, otherwise skip to next question.]***

How long would you be willing to remain at home, without going outside, in this situation?

- 1 ONE HOUR OR LESS
- 2 SEVERAL HOURS
- 3 UNTIL TOMORROW MORNING
- 4 UNTIL TOMORROW EVENING
- 5 UNTIL THE MORNING AFTER NEXT
- 6 FULL 48 HOURS
- 7 LONGER THAN 48 HRS, IF NECESSARY / INDEFINITELY / AS LONG AS INSTRUCTED
- 8 DON'T KNOW
- 9 REFUSED

{DBYGO}

**[If (DBHOWLONG<6) then go on, otherwise skip to next section (EMPLOY).]**

If you chose to leave your home without getting an 'all clear' signal, why would you leave your home?  
[INTERVIEWERS: RESPONDENTS MAY GIVE MORE THAN ONE ANSWER.]

- 1 TO FIND OR TAKE CARE OF MY CHILDREN
- 2 TO FIND OR TAKE CARE OF ADULT FAMILY MEMBERS
- 3 TO FIND OR TAKE CARE OF OTHER PEOPLE NOT IN MY FAMILY
- 4 TO FIND OR TAKE CARE OF PETS
- 5 TO MEET JOB RESPONSIBILITIES
- 6 TO GET MEDICATIONS
- 7 TO GET FOOD OR WATER
- 8 TO GET OTHER NEEDED SUPPLIES [SPECIFY:\_\_\_\_\_]
- 9 WOULD FEEL SAFER SOMEPLACE ELSE
- 10 DO NOT FEEL THE SITUATION IS DANGEROUS
- 11 NOT CONCERNED ABOUT GETTING CANCER SOME TIME IN THE FUTURE
- 12 COULD AVOID DANGER WHEN GOING OUTSIDE
- 13 DO NOT TRUST THE ADVICE OF THE AUTHORITIES
- 14 OTHER [SPECIFY: \_\_\_\_\_]
- 15 DON'T KNOW
- 16 REFUSED
- 17 NO MORE/GO ON

{DBKIDS}

**[If (DBYGO=1 or 2 or 3) then go on, otherwise skip to next question.]**

If you were informed that your loved ones were being cared for and kept safe where they were, how long would you be willing to remain at home and wait for the 'all clear' signal?

- 1 ONE HOUR OR LESS
- 2 SEVERAL HOURS
- 3 UNTIL TOMORROW MORNING
- 4 UNTIL TOMORROW EVENING
- 5 UNTIL THE MORNING AFTER NEXT
- 6 FULL 48 HOURS
- 7 LONGER THAN 48 HRS, IF NECESSARY / INDEFINITELY / AS LONG AS INSTRUCTED
- 8 DON'T KNOW
- 9 REFUSED

{DBEFORT}

**[If (DBYGO=6 or 7) then go on, otherwise skip to next question.]**

If there were people who could safely bring to your home any food, water, or medications you might need in this situation, how long would you be willing to remain at home and wait for the 'all clear' signal?

- 1 ONE HOUR OR LESS
- 2 SEVERAL HOURS
- 3 UNTIL TOMORROW MORNING
- 4 UNTIL TOMORROW EVENING
- 5 UNTIL THE MORNING AFTER NEXT
- 6 FULL 48 HOURS
- 7 LONGER THAN 48 HRS, IF NECESSARY / INDEFINITELY / AS LONG AS INSTRUCTED
- 8 DON'T KNOW
- 9 REFUSED

{DBNEEDS}

Are there any other needs or conditions that would help you to stay at home for 48 hours?  
 [PROBE: What else would you need? OR Can you tell me what you mean by that?]

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**COMMUNITY EVENT: DIRTY BOMB WHILE AT WORK**

{EMPLOY}

I have some other situations for you to consider, but first let me ask you if you are working full time, working part time, looking for work, a homemaker, retired, or a student?

[INTERVIEWERS: IF YOU ARE GIVEN TWO, ASK “WHICH BEST DESCRIBES YOU”]

- 1 WORKING FULL TIME [35 HRS/WK OR MORE]
- 2 WORKING PART TIME
- 3 LOOKING FOR WORK
- 4 HOMEMAKER
- 5 RETIRED
- 6 STUDENT
- 7 OTHER [SPECIFY:]
- 8 DON'T KNOW
- 9 REFUSED

{INDOORS}

**[If working full or part-time (EMPLOY=1 or 2) continue, otherwise skip to next question.]**

Do you work primarily indoors—that is, in an office, store, warehouse, factory, or other building, that is not in your home?

- 1 YES
- 2 NO - I WORK AT HOME
- 3 NO - I WORK OUTDOORS
- 4 NO - I WORK ALL OVER
- 8 DON'T KNOW
- 9 REFUSED

{PICKBDG}

**[If NOT working indoors (INDOORS≠1) continue, otherwise skip to next question.]**

Please think for a moment of a building in your community that is NOT your home, where you sometimes are on weekday afternoons.

What building have you thought of?

TYPE NAME OR DESCRIPTION: \_\_\_\_\_

{DB2INTRO1/DBINTRO2}

Now imagine that it is the afternoon and you are at the building you just described. The news is on, and as before you hear that a dirty bomb has gone off just a mile from where you are. Again, a large dust cloud containing radiation has begun to blow across town in your direction. Government officials in your community have declared a state of emergency, and everyone is instructed to take immediate shelter at home or in some type of building, for protection from radioactive dust created by the blast. They want everyone in your area to stay in their place of shelter for 48 hours or until an “all clear” is given. Again, it is afternoon and you are at the building you just described.

{DB2STYGO}

Based on this information, would you *stay in the building* or would you *leave immediately* to go somewhere else?

- 1 STAY IN BUILDING
- 2 LEAVE IMMEDIATELY
- 3 OTHER [SPECIFY: \_\_\_\_\_]
- 8 DON'T KNOW
- 9 REFUSED

[IF NECESSARY: There's not enough time to get home before the dust cloud reaches you.]

{DB2HWLNG}

**[If STAY IN BUILDING (DB2STAYGO=1) then continue, otherwise skip to next question.]**

How long would you be willing to remain in the building, without going outside, in this situation?

- 1 ONE HOUR OR LESS
- 2 SEVERAL HOURS
- 3 UNTIL TOMORROW MORNING
- 4 UNTIL TOMORROW EVENING
- 5 UNTIL THE MORNING AFTER NEXT
- 6 FULL 48 HOURS
- 7 LONGER THAN 48 HRS, IF NECESSARY / INDEFINITELY / AS LONG AS INSTRUCTED
- 8 DON'T KNOW
- 9 REFUSED

{DB2YGO}

**[If LEAVE (DB2HWLNG<6) then continue, otherwise skip to next section (DB2EFORT).]**

If you chose to leave [your workplace/the building] without getting an ‘all clear’ signal, *why* would you leave? [INTERVIEWERS: RESPONDENTS MAY GIVE MORE THAN ONE ANSWER.]

- 1 TO FIND OR TAKE CARE OF MY CHILDREN
- 2 TO FIND OR TAKE CARE OF ADULT FAMILY MEMBERS
- 3 TO FIND OR TAKE CARE OF OTHER PEOPLE NOT IN MY FAMILY
- 4 TO FIND OR TAKE CARE OF PETS
- 5 TO MEET JOB RESPONSIBILITIES
- 6 TO GET MEDICATIONS
- 7 TO GET FOOD OR WATER
- 8 TO GET OTHER NEEDED SUPPLIES [SPECIFY: \_\_\_\_\_]
- 9 WOULD FEEL SAFER SOMEPLACE ELSE
- 10 DO NOT FEEL THE SITUATION IS DANGEROUS
- 11 NOT CONCERNED ABOUT GETTING CANCER SOME TIME IN THE FUTURE
- 12 COULD AVOID DANGER WHEN GOING OUTSIDE
- 13 DO NOT TRUST THE ADVICE OF THE AUTHORITIES
- 14 OTHER [SPECIFY: \_\_\_\_\_]

{DB2PLAN}

***[If LEAVE (DB2STAYGO=2) then continue, otherwise skip to next question.]***

If you knew that the building where you were had made plans to keep people fed and safe for several days in this kind of situation, would you decide NOT to leave the building, or would you still leave the building?

- 1 LEAVE THE BUILDING
- 2 NOT LEAVE THE BUILDING
- 8 DON'T KNOW
- 9 REFUSED

{DB2KIDS}

***[If (DB2YGO=1 or 2 or 3) then go on, otherwise skip to next question.]***

If you were informed that your loved ones were being cared for and kept safe where they were, how long would you be willing to remain in the building and wait for the 'all clear' signal?

- 1 ONE HOUR OR LESS
- 2 SEVERAL HOURS
- 3 UNTIL TOMORROW MORNING
- 4 UNTIL TOMORROW EVENING
- 5 UNTIL THE MORNING AFTER NEXT
- 6 FULL 48 HOURS
- 7 LONGER THAN 48 HRS, IF NECESSARY / INDEFINITELY / AS LONG AS INSTRUCTED
- 8 DON'T KNOW
- 9 REFUSED

{DB2EFORT}

***[If (DB2YGO=6 or 7) then go on, otherwise skip to next question.]***

If there were people who could safely bring to the building any food, water, or medications you might need in this situation, how long would you be willing to remain in the building and wait for the 'all clear' signal?

- 1 ONE HOUR OR LESS
- 2 SEVERAL HOURS
- 3 UNTIL TOMORROW MORNING
- 4 UNTIL TOMORROW EVENING
- 5 UNTIL THE MORNING AFTER NEXT
- 6 FULL 48 HOURS
- 7 LONGER THAN 48 HRS, IF NECESSARY / INDEFINITELY / AS LONG AS INSTRUCTED
- 8 DON'T KNOW
- 9 REFUSED

{DB2NEEDS}

Are there any other needs or conditions that would have to be met for you to stay in the building for 48 hours? [PROBE: What else would you need? OR Can you tell me what you mean by that?]

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---



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**COMMUNITY EVENT: SMALLPOX**

{SMINTRO}

Now I would like you to envision a somewhat different, hypothetical situation. Imagine that you are at home, and you heard on the news that smallpox had infected many people in your community, as the result of a terrorist attack.

Smallpox is a serious, contagious, and sometimes fatal infectious disease. Generally, direct and fairly prolonged face-to-face contact is required to spread smallpox from one person to another, but smallpox can also spread through direct contact with infected bodily fluids or contaminated objects. Imagine that your community had been infected with smallpox.

{SMDO}

If you thought that your community had become the scene of a smallpox epidemic where would you go? Would you...

- 1 Stay at home,
- 2 Go to another, nearby location in the community [SPECIFY: \_\_\_\_\_]
- 3 Evacuate the area [LEAVE THE COMMUNITY], or
- 4 Continue your normal routine [DO NOTHING]
- 5 OTHER [SPECIFY: \_\_\_\_\_]
- 8 DON'T KNOW
- 9 REFUSED

{SMDTAIL1}

Government officials in your community have declared a state of emergency, and residents are instructed to take shelter at home, since this will provide protection from contracting small pox from others. They want everyone in your community to go to their homes and stay there for 2-4 weeks or until an "all clear" is given. People are permitted to go outside, but not to have contact with anyone outside the family who has not been recently vaccinated for smallpox. This means: no going to public places and no contact with unknown strangers. During the emergency, businesses in your area are all shutting down, [IF R WORKS, (INDOORS=1)... including your own place of work.]

{SMSTAYGO}

Based on this information, would you...

- 1 Stay at home,
- 2 Go immediately to another, nearby location in the community
- 3 Evacuate the area [LEAVE THE COMMUNITY], or
- 4 Continue your normal routine [DO NOTHING].
- 5 OTHER [SPECIFY: \_\_\_\_\_]
- 8 DON'T KNOW
- 9 REFUSED

{GOWHERE1}

**[If 2 or 3 for SMSTAYGO]**

Where would you go?

OPEN-END: \_\_\_\_\_

{GOWHERE2}

How far away is that from your home?

[INSTRUCTION: GET DISTANCE IN MILES OR GET TRAVEL TIME, SPECIFYING MODE OF TRANSPORTATION. (Example: "30 minutes by car.")]

OPEN-END: \_\_\_\_\_

{GOWHERE3}

What is it about this location that would make you prefer it to staying at your home?

[PROBE: Anything else that would make you prefer it?]

OPEN-END: \_\_\_\_\_

\_\_\_\_\_

{SMHOWLNG}

**[If STAY AT HOME or ANOTHER NEARBY LOCATION (SMSTAYGO= 1 OR 2) then continue, otherwise skip to next question.]**

How long would you be willing to remain [at home], without going out into the community, in this situation?

- 1 NOT AT ALL OR LESS THAN A DAY
- 2 ONE DAY
- 3 2-6 DAYS
- 4 1 WEEK
- 5 2 WEEKS
- 6 3 WEEKS
- 7 4 WEEKS/ONE MONTH
- 8 2-3 MONTHS
- 9 4-6 MONTHS
- A INDEFINITELY
- B DON'T KNOW
- C REFUSED

{SMYGO}

**[If (SMHOWLNG<7) then continue, otherwise skip to next question.]**

If you chose to leave your home without getting an 'all clear' signal, *why* would you leave?

[INTERVIEWERS: RESPONDENTS MAY GIVE MORE THAN ONE ANSWER.]

- 1 TO FIND OR TAKE CARE OF MY CHILDREN
- 2 TO FIND OR TAKE CARE OF ADULT FAMILY MEMBERS
- 3 TO FIND OR TAKE CARE OF OTHER PEOPLE NOT IN MY FAMILY
- 4 TO FIND OR TAKE CARE OF PETS
- 5 TO MEET JOB RESPONSIBILITIES
- 6 TO GET SMALLPOX VACCINATION
- 7 TO GET (OTHER) MEDICATIONS
- 8 TO GET FOOD OR WATER
- 9 TO GET OTHER NEEDED SUPPLIES [SPECIFY: \_\_\_\_\_]
- 10 WOULD FEEL SAFER SOMEPLACE ELSE
- 11 DO NOT FEEL THE SITUATION IS DANGEROUS
- 12 HAVE BEEN VACCINATED FOR SMALLPOX AS A CHILD
- 13 HAVE BEEN VACCINATED FOR SMALLPOX RECENTLY
- 14 DON'T CARE ABOUT GETTING SMALLPOX
- 15 COULD AVOID DANGER WHEN GOING OUTSIDE
- 16 DO NOT TRUST THE ADVICE OF THE AUTHORITIES
- 17 OTHER [SPECIFY: \_\_\_\_\_]
- 18 DON'T KNOW
- 19 REFUSED
- 20 NO MORE / GO ON

{SMKIDS}

***[If (SMYGO=1 or 2 or 3) then go on, otherwise skip to next question.]***

If you were informed that your loved ones were being cared for and kept safe where they were, how long would you be willing to remain at home and wait for the 'all clear' signal?

- 1 NOT AT ALL OR LESS THAN A DAY
- 2 ONE DAY
- 3 2-5 DAYS
- 4 ONE WEEK
- 5 2 WEEKS
- 6 ONE MONTH
- 7 2-3 MONTHS
- 8 4-6 MONTHS
- 9 INDEFINITELY
- A DON'T KNOW
- B REFUSED

{SMEFFORT}

***[If (SMYGO=7 or 8) then go on, otherwise skip to next question.]***

If there were people who could safely bring to your home any food, water, or medications you might need in this situation, how long would you be willing to remain at home and wait for the 'all clear' signal?

- 1 NOT AT ALL OR LESS THAN A DAY
- 2 ONE DAY
- 3 2-5 DAYS
- 4 ONE WEEK
- 5 2 WEEKS
- 6 ONE MONTH
- 7 2-3 MONTHS
- 8 4-6 MONTHS
- 9 INDEFINITELY
- A DON'T KNOW
- B REFUSED

{SMNEEDS}

Are there any other needs or conditions that would help you to stay at home and not go out into the community for up to 4 weeks? [PROBE: What else would you need? OR Can you tell me what you mean by that?]

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**BOREDOM & RESTLESSNESS**

{BORED}

**[75% of respondents will receive this question.]**

[IF NECESSARY: Certain situations may require people to stay at home longer periods, such as several weeks.]

Some people have said that it would be difficult to stay at home for several weeks because they may feel bored with nothing to do. How difficult a problem would boredom be for you? Would this be

- 1 Very difficult,
- 2 Somewhat difficult,
- 3 A slight problem, or
- 4 Not a problem at all, for you?
- 8 DON'T KNOW
- 9 REFUSED

{RESTLS}

**[75% of respondents will receive this question.]**

Some people have said that it would be difficult to stay at home because they may feel restless, anxious, or “stir crazy.” How difficult a problem would this be for you?

- 1 Very difficult,
- 2 Somewhat difficult,
- 3 A slight problem, or
- 4 Not a problem at all?
- 8 DON'T KNOW
- 9 REFUSED

**EMERGENCY PREPAREDNESS**

{EMINTRO}

Now I'd like to ask you about what sort of measures you may have taken to prepare for an emergency already.

{FOOD}

**[50% of respondents will receive the next 4 questions, and the rest will EMRGKIT.]**

Do you have extra, non-perishable food stored away at your home?

- 1 YES
- 2 NO
- 8 NOT SURE/DON'T KNOW
- 9 REFUSED

{FOODDAY}

**[If (FOOD=1) then go on, otherwise skip to next question.]**

How many days do you think the water would last?

INTERVIEWER ENTER NUMBER: \_\_DAYS  
PUT '999' FOR REFUSAL

[IV: CALCULATE WEEKS/MONTHS INTO DAY EQUIVALENT &  
IF THEY GIVE A RANGE PUT THAT AS AN F10 COMMENT  
BUT LIST HIGHER NUMBER IN THE NUMBER FIELD]

{WATER}

In the event that tap water became unavailable, do you have extra water stored away?

- 1 YES
- 2 NO
- 8 NOT SURE/DON'T KNOW
- 9 REFUSED

{WATERDAY}

***[If (WATER=1) then go on, otherwise skip to next question.]***

How many days do you think the water would last?

INTERVIEWER ENTER NUMBER: \_\_DAYS  
PUT '999' FOR REFUSAL

[IV: CALCULATE WEEKS/MONTHS INTO DAY EQUIVALENT &  
IF THEY GIVE A RANGE PUT THAT AS AN F10 COMMENT  
BUT LIST HIGHER NUMBER IN THE NUMBER FIELD]

{MEDS}

Do you have an emergency supply of medication?

- 1 YES [IF SO, FOR HOW MANY DAYS:]
- 2 NO
- 3 N/A - R DOES NOT TAKE ANY MEDICATIONS
- 8 NOT SURE/DON'T KNOW
- 9 REFUSED

{AIDKIT}

Do you have a first aid kit?

- 1 YES
- 2 NO
- 8 NOT SURE/DON'T KNOW
- 9 REFUSED

{EMRGKIT}

An emergency preparedness kit is a container with supplies that can be used during an emergency. Examples of items contained in an emergency preparedness kit are a flashlight with extra batteries, a battery powered radio, non-perishable food, water, medications, and other supplies like blankets and warm clothing.

Do you have an emergency preparedness kit put together?

- 1 YES -A COMPLETE KIT
- 2 KIT IS INCOMPLETE
- 3 NO - NOT AT ALL
- 8 NOT SURE/DON'T KNOW
- 9 REFUSED

{HOWLONG}

As of today, how long do you have the capability for sheltering in your home? That is, how long could you stay without leaving?

- 1 no capability for sheltering
- 2 1 day
- 3 2-3 days
- 4 4 days to 1 week
- 5 8 days to 2 weeks
- 6 2 weeks to 1 month
- 7 more than 1 month
- 8 DON'T KNOW
- 9 REFUSED

**COMMUNITY ATTACHMENT**

I'm going to read some statements about your community or the area where you live. For each one, please tell me if you strongly agree, somewhat agree, somewhat disagree, or strongly disagree. You can also say that you neither agree nor disagree, what we call neutral. The first statement is:

[DEFINITION, IF NECESSARY: Local community means the neighborhood, area of the city, or county, just around where you live.]

{COMM5}

I feel at home in the area where I live.

- 1 STRONGLY AGREE
- 2 SOMEWHAT AGREE
- 3 NEUTRAL
- 4 SOMEWHAT DISAGREE
- 5 STRONGLY DISAGREE
- 8 NO OPINION/DON'T KNOW
- 9 REFUSED

{COMM2r}

I feel I have a lot in common with the people who live in this community.

- 1 STRONGLY AGREE
- 2 SOMEWHAT AGREE
- 3 NEUTRAL
- 4 SOMEWHAT DISAGREE
- 5 STRONGLY DISAGREE
- 8 NO OPINION/DON'T KNOW
- 9 REFUSED

{COMM7}

I care about what others in my community think of my actions.

- 1 STRONGLY AGREE
- 2 SOMEWHAT AGREE
- 3 NEUTRAL
- 4 SOMEWHAT DISAGREE
- 5 STRONGLY DISAGREE
- 8 NO OPINION/DON'T KNOW
- 9 REFUSED

{COMM10}

It is very important to me to live in this particular area.

- 1 STRONGLY AGREE
- 2 SOMEWHAT AGREE
- 3 NEUTRAL
- 4 SOMEWHAT DISAGREE
- 5 STRONGLY DISAGREE
- 8 NO OPINION/DON'T KNOW
- 9 REFUSED

**TRUST IN INFORMATION SOURCES**

{INFOSRC}

Now we are going to discuss your opinions about information sources. What sources would you consult to get more information about what you should do in the event of a terrorist attack? [DO NOT READ RESPONSE OPTIONS. SELECT ALL THAT APPLY]

- 1 FAMILY OR FRIENDS
- 2 LOCAL NEWSPAPERS
- 3 LOCAL RADIO
- 4 LOCAL TV NEWS
- 5 NATIONAL TV NEWS
- 6 LOCAL POLICE
- 7 LOCAL FIRE DEPARTMENT
- 8 DOCTORS/NURSES OR OTHER HEALTH CARE PROVIDERS
- 9 LOCAL GOVERNMENT PHONE LINE
- 10 HOME REFERENCE MATERIALS (BOOKS, FACT SHEETS, BROCHURES, ETC.)
- 11 CHURCH OR COMMUNITY GROUP
- 12 FED EMERGENCY MGNT AGENCY (FEMA)
- 13 DEPT OF HOMELAND SECURITY (DHS)
- 14 CENTERS FOR DISEASE CONTROL (CDC)
- 15 OTHER FEDERAL AGENCY
- 16 INTERNET NEWS SITE
- 17 INTERNET GOVERNMENT SITE [SPECIFY:\_\_\_\_\_]
- 18 INTERNET HEALTH SITE
- 19 INTERNET UNSPECIFIED
- 20 OTHER [SPECIFY:\_\_\_\_\_]
- 21 NONE
- 22 DON'T KNOW
- 23 REFUSED
- 24 NO MORE / GO ON

{INFOPRF}

Which ONE of these would be your preferred source of information?

- 1 FAMILY OR FRIENDS
- 2 LOCAL NEWSPAPERS
- 3 LOCAL RADIO
- 4 LOCAL TV NEWS
- 5 NATIONAL TV NEWS
- 6 LOCAL POLICE
- 7 LOCAL FIRE DEPARTMENT
- 8 DOCTORS/NURSES OR OTHER HEALTH CARE PROVIDERS
- 9 LOCAL GOVERNMENT PHONE LINE
- 10 HOME REFERENCE MATERIALS (BOOKS, FACT SHEETS, BROCHURES, ETC.)
- 11 CHURCH OR COMMUNITY GROUP
- 12 FED EMERGENCY MGNT AGENCY (FEMA)
- 13 DEPT OF HOMELAND SECURITY (DHS)
- 14 CENTERS FOR DISEASE CONTROL (CDC)
- 15 OTHER FEDERAL AGENCY
- 16 INTERNET NEWS SITE
- 17 INTERNET GOVERNMENT SITE [PREV SPECIFIED]
- 18 INTERNET HEALTH SITE
- 19 INTERNET UNSPECIFIED
- 20 OTHER [PREV SPECIFIED]
- 21 NONE
- 22 DON'T KNOW
- 23 REFUSED

{INFOTRST}

How reliable would you consider the following sources of information about what you should do in the event of a terrorist attack? Please **rate each on a scale of 1 to 10**, where 10 is the most reliable and 1 is the least reliable.

How reliable a source would you consider \_\_\_\_\_

LEAST		MOST
RELIABLE		RELIABLE
1	2 3 4 5 6 7 8 9	10

TYPE NUMBER IN BOX, THEN PRESS ENTER KEY ->

- 97 for NOT APPLICABLE
- 98 for DON'T KNOW
- 99 for REFUSED

- |  |       |
|--|-------|
| 1 A Local News Program                         | _____ |
| 2 A National News Program                      | _____ |
| 3 A Local Medical Professional On TV           | _____ |
| 4 Your Personal Physician/Medical Professional | _____ |
| 5 Your Local Pastor/Religious Leader           | _____ |
| 6 The City Mayor                               | _____ |
| 7 The State Governor                           | _____ |
| 8 The US Surgeon General                       | _____ |
| 9 The President of the United States           | _____ |
| 10 The Office of Homeland Security             | _____ |

{ZIPCODE}

And what is your zip code?

[INTERVIEWER TYPE ANSWER HERE:] \_\_\_\_\_

{KNOWZIP9}

We're interested in finding out how many people know their nine digit zip code for their home address. Do you know your own nine-digit (zip plus four) code, without having to look it up? [IF NECESSARY: You don't need to tell me your zip code, I'm not writing it down.]

- 1 YES
- 2 NO
- 8 DON'T KNOW
- 9 REFUSED

**EVACUATION**

{EVACINTR}

Now I have a few questions about evacuation, which means leaving your community for several days.

{EVACLOC}

***[75% of respondents will receive this question.]***

If your local leadership recommended an evacuation of your community, where would you go?

[READ ANSWER CHOICES AS NEEDED]

- 1 a friend or relative's home just outside of the evacuated area
- 2 a public shelter just outside of the evacuated area
- 3 a friend or relative's home within twenty miles of the evacuated area
- 4 a public shelter within twenty miles of the evacuated area
- 5 a friend or relative's home beyond 20 miles of the evacuated area
- 6 a public shelter beyond 20 miles of the evacuated area
- 7 OTHER [SPECIFY: \_\_\_\_\_]
- 8 WOULD NOT EVACUATE
- A DON'T KNOW
- B REFUSED

{MEETING}

***[75% of respondents will receive this question.]***

Does your family have an emergency meeting place, in case you were separated in an emergency?

- 1 YES
- 2 NO
- 7 NOT APPLICABLE/NO FAMILY
- 8 NOT SURE
- 9 REFUSED

{VEHICLE}

Does your household own a motor vehicle (like a car, truck, van, SUV, or motorcycle?)

- 1 YES
- 2 NO
- 8 NOT SURE
- 9 REFUSED

{AIRBORNE}

**[67% of respondents will receive this question.]**

Imagine there was an airborne release of a hazardous material, and officials are asking people to evacuate based on where they live. Which would you be more likely to respond to: If they asked everyone to evacuate who lives within a certain distance from the hazard, or if they ordered evacuation according to the ZIP codes in which people live?

- 1 Distance
- 2 ZIP code
- 8 Not sure
- 9 REFUSED

**DEMOGRAPHICS**

{OUTRO}

We are almost done. Now I'd like to ask you a few questions about yourself. Again, you can skip any questions you don't wish to answer.

{EMPLOY2}

Are you working full time, working part time, looking for work, a homemaker, retired, or a student?

[INTERVIEWERS: IF YOU ARE GIVEN TWO, ASK "WHICH BEST DESCRIBES YOU"]

- 1 WORKING FULL TIME [35 HRS/WK OR MORE]
- 2 WORKING PART TIME
- 3 LOOKING FOR WORK
- 4 HOMEMAKER
- 5 RETIRED
- 6 STUDENT
- 7 OTHER [SPECIFY:]
- 8 DON'T KNOW
- 9 REFUSED

{YRBORN}

In what year were you born?

[INTERVIEWER ENTER HERE:] 19\_\_\_\_\_ [AND PRESS RETURN]

PLEASE TYPE 2 NUMBERS

ENTER "99" FOR REFUSED

INTERVIEWERS ENTER "00" FOR BIRTH YEAR OF 1900 OR EARLIER

{MARITAL}

Are you currently married, widowed, divorced, separated, or have you never been married?

- 1 MARRIED
- 2 SEPARATED
- 3 DIVORCED
- 4 WIDOWED
- 5 NEVER MARRIED
- 9 REFUSED

{RELIGUS}

Do you attend religious services, meetings or ceremonies in your area?

- 1 YES
- 2 NO
- 9 NOT SURE/REFUSED

{FREQREL}

**[If YES (RELIGUS=1) then go on, otherwise skip to next question.]**

How often do you attend religious services, meetings or ceremonies in your area?

- 1 DAILY
- 2 MORE THAN ONCE PER WEEK
- 3 ONCE PER WEEK
- 4 TWICE PER MONTH
- 5 ONCE PER MONTH
- 6 A FEW TIMES PER YEAR
- 7 ONCE A YEAR
- 8 LESS THAN ONCE PER YEAR/NEVER
- A DON'T KNOW
- B REFUSED

{JOBTYPE}

**[If employed full or part-time (EMPLOY or EMPLOY2 = 1 or 2) then continue, else skip to DUTY.]**

Are you employed in...

[INTERVIEWER: READ ONLY THOSE THAT APPLY]

- 1 a private company,
- 2 a non-profit organization,
- 3 the federal government,
- 4 the state government,
- 5 local government
- 6 or your own business, professional practice, or farm?
- 8 DON'T KNOW/NO ANSWER
- 9 REFUSED

{DUTY}

Are you currently serving, or have you ever served in the U.S. military, on either active duty or in the reserves?

- 1 YES--CURRENT ACTIVE DUTY
- 2 YES--CURRENT RESERVE DUTY
- 3 YES--PAST MILITARY SERVICE / VETERAN
- 4 NO-NEVER IN MILITARY
- 8 DON'T KNOW/NO ANSWER
- 9 REFUSED

{EDUC}

What is the highest level of education you have completed?

- 1 ELEMENTARY SCHOOL ONLY
- 2 SOME HIGH SCHOOL, DID NOT FINISH
- 3 COMPLETED HIGH SCHOOL
- 4 SOME COLLEGE BUT DIDN'T FINISH
- 5 2 YEAR COLLEGE DEGREE /A.A./A.S.
- 6 4 YEAR COLLEGE DEGREE /B.A./B.S.
- 7 SOME GRADUATE WORK
- 8 COMPLETED MASTERS OR PROFESSIONAL DEGREE
- 9 ADVANCED GRADUATE WORK OR PH.D.
- A DON'T KNOW
- B REFUSED

{INCOME}

I am going to read a list of income ranges. Please stop me when I read the range that best describes your annual household income from all sources. This is before taxes and other deductions.

[PRECISE CATEGORIES:]

- |   |                                      |                         |
|---|--------------------------------------|-------------------------|
| 1 | Less than 15 thousand                | [\$0 - \$14,999]        |
| 2 | Fifteen to 35 thousand               | [\$15,000 - \$34,999]   |
| 3 | Thirty-five to 50 thousand           | [\$35,000 - \$49,999]   |
| 4 | Fifty to 75 thousand                 | [\$50,000 - \$74,999]   |
| 5 | Seventy-five to 100 thousand         | [\$75,000 - \$99,999]   |
| 6 | One hundred thousand to 150 thousand | [\$100,000 - \$149,999] |
| 7 | 150 thousand to 250 thousand         | [\$150,000 - \$250,000] |
| 8 | Over 250 thousand                    | [\$250,000 +]           |
| A | DON'T KNOW                           |                         |
| B | REFUSED                              |                         |

{LANG}

Is there anyone in your household who has difficulty communicating in English because they speak a different language?

- 1 YES [IF YES, PLEASE SPECIFY LANGUAGE SPOKEN: \_\_\_\_\_]
- 2 NO
- 8 DON'T KNOW
- 9 REFUSED

{HISPANIC}

Do you consider yourself to be of Hispanic origin?

- 1 YES
- 2 NO
- 8 DON'T KNOW
- 9 REFUSED TO ANSWER

{MIDEAST}

Do you consider yourself to be of Middle Eastern or Arab origin?

- 1 YES
- 2 NO
- 8 UNSURE [GIVE DETAILS: ]
- 9 REFUSED TO ANSWER

{RACE}

I am going to read a list of racial categories. Would you tell me what category best describes you?

- 1 White (*if necessary*, of European ancestry),
- 2 [READ ONE:] African American / Black, [INCLUDING AFRICAN]
- 3 Pakistani or East Indian [FROM INDIA / SOUTH ASIA]
- 4 (other) Asian, [CHINESE, JAPANESE, KOREAN, AND OTHER EAST ASIAN]
- 5 American Indian, [NATIVE AMERICAN; INCLUDES ESKIMO, ALEUT]
- 6 Pacific Islander?
- 7 OTHER [SPECIFY: \_\_\_\_\_]
- A DON'T KNOW
- B REFUSED / NO ANSWER

[IF NECESSARY: Many Hispanic people may identify with a particular racial group, in addition to being Hispanic. They may think of themselves as "Black Hispanic," "White Hispanic," or some other racial group as well.]

{LSTPHONE}

Is the phone number for the telephone that you are now using listed in a telephone directory or is it an unlisted number?

- 1 LISTED IN A TELEPHONE DIRECTORY
- 2 UNLISTED NUMBER
- 8 DON'T KNOW
- 8 REFUSED

{YNOLIST}

**[ASK YNOLIST ONLY IF LSTPHONE = 2 (UNLISTED)]**

Is your number unlisted by choice or is it a new number that has not yet appeared in the directory?

- 1 NEW NUMBER NOT YET IN DIRECTORY
- 2 UNLISTED INTENTIONALLY
- 8 DON'T KNOW
- 9 REFUSED

{GENDER}

ENTER RESPONDENT'S GENDER

- 1 PROBABLY MALE
- 2 PROBABLY FEMALE
- 8 DON'T KNOW

[IF UNABLE TO TELL FROM THE INTERVIEW, SAY "now I need to put down if you are male or female."]

{RCOMM}

Those are all the questions I have for you. Before I say goodbye, are there any other comments you'd like to make?

[OPEN ENDED]

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{THANKYOU}

We really appreciate the time you've taken to help in answering these important questions. Thank you very much and have a good night.

NOTE: INTERVIEWER'S ID NUMBER, FIPS CODE OF RESPONDENT'S COUNTY (BASED ON PHONE EXCHANGE), DATE OF INTERVIEW AND INTERVIEW LENGTH ARE ALSO RECORDED.

**Appendix B:**  
**Survey and Sampling Methodology**



## **Appendix B**

### **Survey and Sampling Methodology**

The 2005 Survey of Citizen Response to Potential Critical Incidents was conducted by the Center for Survey Research (CSR) using a Computer-Aided Telephone Interviewing (CATI) system, employing random-digit dialing to select the sample. A discussion of the general methodology appears in Chapter 1 of this report. This appendix provides additional details on how the questionnaire was developed, how the sample was selected, how the survey was administered, how the sample was weighted, and how statistical testing was used to evaluate the results.

#### **Sample**

CSR employed random-digit dialing (RDD) to reach a random sample of the households in the National Capitol Region. RDD produces a more representative sample of the population than do most other sampling methods because households are selected for contact at random and all households with a working telephone can be reached. Listed and unlisted residential telephones have equal probability of being included in an RDD study. A sample of telephone numbers randomly generated from five-digit call groups known to be in operation in The National Capitol Region was purchased from Survey Sampling, Inc. of Fairfield, CT, a commercial sampling company that uses state-of-the-art methodologies. Some of the working phone numbers in a sample so generated are for households in counties outside the intended region. Each contacted household was screened for location at the beginning of the interview. The regions specified included:

- Arlington County, VA
- Alexandria City, VA
- District Of Columbia
- Fairfax City, VA
- Falls Church, VA
- Fairfax County, VA
- Fauquier County, VA
- Loudoun County, VA
- Manassas City, VA
- Manassas Park City, VA
- Montgomery County, MD
- Prince George's County, MD
- Prince William County, VA

#### **Questionnaire**

The questionnaire was developed in conjunction with key members of the National Capitol Region staff. CSR also took special care to include comments and the opinions of the Critical Incident Analysis Group (CIAG) of George Mason in the survey development process.

Prior to production calling, the questionnaire was tested with a two different focus groups in Charlottesville, VA on Monday, October 25, 2004 and in Arlington, VA on Saturday, November 6, 2004. Following revisions to the survey instrument based on evaluations of the focus groups, the questionnaire was put through two stages of telephone pretests. The first pretest from December 16 through December 22, 2004 netted 23 completions while a second pretest from January 19 to January 21, 2005 landed 32 more. Analysis of the two pretests revealed that the survey took between 24 and 26 minutes to complete

from the first solicitation screen to respondent hang-up, considerably longer than had been planned. Accordingly, in consultation with the CIAG team, certain questions were eliminated and some question rationing was employed to streamline and focus the telephone survey instrument. By the time the questionnaire was finalized CSR was able to field a more efficient and effective survey of 21 and a half minutes average per completion during production calling using an RDD sample.

Question rationing is a system for asking certain questions of a significant portion of the respondents in order to provide a larger number of questions for the survey overall. This obtains a sufficiently large sample of responses for each question without making the survey substantially longer for any individual respondent. Based on the pre-test, we also refined our training procedures and made wording alterations in the CATI program for the interview.

## **Interviewing Procedures**

CSR conducted the telephone interviews from its Computer-Assisted Telephone Interviewing (CATI) Laboratory at the University of Virginia. CATI is a system in which computers are employed to increase the efficiency, accuracy, and flexibility of telephone surveys conducted by trained interviewers. Questions appear on the computer screen in programmed sequence as the interviewer presses the keys on the keyboard to record the respondent's answers. Accurate, instantaneous data entry is assured by the system. The computer system stores the data base of telephone numbers and is used to control the sampling process, dial each sampled number, schedule call-backs, and record the disposition of each attempted call. CSR's CATI lab also allows for audio monitoring of calls by lab supervisors.

CSR endeavored to boost response rate by sending postcards to a portion of the sample for which listed numbers could be back-matched. This turned out to be 20 percent of the sample. The CATI program informed the interviewers whether the respondent might have received a postcard and they were instructed to refer to the postcard as part of the introductory solicitation.

Production calling for the survey was carried out from February 22 to April 6, 2005. All telephone calls for the study were made from the CATI laboratory under the direct supervision of CSR staff. Numbers were dialed automatically by the WinCATI computer system. Calling was done on Sunday through Friday evenings and on Sunday afternoons. The interviewers received at least six hours of training prior to production interviewing. Many had prior interviewing experience on the two pretests. Each phone number was given a maximum of 10 call attempts before it was treated as a "no answer" or "busy" number. The maximum call-back limit was initially set to 15, but was adjusted downward about halfway through the field period in order to improve calling efficiency. Residential phones answered by automatic answering machines were treated the same as "no answer" calls (although counted separately); CSR interviewers left answering machine messages for potential respondents on the first occasion that they reached an answering machine. The CATI system recorded that one message had been left so that the next interviewer would not leave another. Answering machine announcements that identified the phone number as a place of business, however, were recorded as such with no message left, and were not re-attempted.

"Answering machine message left" numbers were to be simply returned to the sample pool for another calling attempt at a later time. However, during the production field period an unforeseen glitch in the coding of "answering message left" numbers pushed them into a hold queue and thus led to a more rapid than usual loading of sample to accommodate a low production rate per hour. This problem was corrected in the middle of the field period and thorough efforts were made to ensure that answering machine dispositions were dealt with properly. This problem adversely affected the response rate, due to this early oversupply of numbers combined with the later need to ensure best practices in returning the

answering machine numbers back into the calling cycle. In short, the study's completion quota was fulfilled before we were able to call through all attempts on active numbers in the sample.

In order to reduce non-response bias, we conducted "conversion calling." Non-response bias results in surveys occurs when qualified respondents do not complete a survey, usually because they refuse to cooperate. In conversion calling, our most highly trained interviewers call back households in which we previously had someone refuse to take the survey. First, we kept track of the "tone" of initial refusals. "Hard" refusals, those in which people explicitly asked not to be called again or were noticeably agitated or upset about our phone call, were not called back at all. "Soft" refusals, those for which it seemed that we only caught someone at a bad time, were called back and contacted once more after an interval of at least three days. In this survey we found a higher than normal initial or immediate refusal rate, e.g. refusal prior to respondent selection.

Research has shown that since people in the same household do not always have the same opinions, surveys must avoid simply addressing the first person answering the phone if a truly representative sample of the target population is to be obtained. To ensure randomization within a household CSR asked the person with the most recent birthday to complete the survey. This person was selected from among those who were at home at the time of the call. The method helps ensure that every adult in each household has the same chance of doing the survey while minimizing the number of intrusive questions that must be asked when randomizing selection within a household.

A total of 10,996 phone numbers were engaged via a total of 42,265 dialing attempts in the course of the survey. The final disposition of each of the attempted phone numbers is shown in Appendix Table B-1, the Sample Disposition Report. The disposition report is presented in a format that has been recommended as an industry standard by the American Association for Public Opinion Research.<sup>1</sup> The AAPOR rate was calculated with the assistance of the Sawtooth WinCATI 4.2 CATI software, based on the full call history of each attempted number. This tool increases the accuracy of the calculation. CSR completed a total of 1071 usable interviews with self-identified Capitol area residents in the production phase of calling, including a total of 1036 fully completed interviews with residents of the Capitol region. (Included in the analyses are the data of 35 people who completed a substantial part<sup>2</sup> of the survey, but did not complete it in its entirety.) The overall response rate (based on usable interviews) was 17 percent<sup>3</sup>.

The final version of the interview took an average of 21.5 minutes to complete, with a median completion time of 21.1 minutes. The overall interview production rate was .83 interviews per hour.

## Geographic Representation and Sample Weighting

When RDD sampling is employed, the surveying organization does not have any exact prior information on the location of the household. To protect respondent confidentiality and preserve a sense of privacy in

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<sup>1</sup> The American Association for Public Opinion Research. 2004. *Standard Definitions: Final Dispositions of Case Codes and Outcome Surveys*. Ann Arbor, Michigan: AAPOR. See also the AAPOR website, [www.aapor.org](http://www.aapor.org).

<sup>2</sup> An additional 21 respondents answered the first few questions before hanging up. Their data was included when relevant but was not deemed sufficient for consideration in survey disposition and methods reportage.

<sup>3</sup> Calculated according to AAPOR suggested formula RR4, with  $e1=.19$  and  $e2=.96$ . We estimated the percent of working, residential numbers among those that were found to always be busy or no-answer (the residency rate) to be .20. This estimate is based on the results of prior CSR experiments that compare RDD sample results with directory-listed sample results for Virginia. We estimated  $e2$  by dividing households determined to be eligible by the N of households overall (including those not in The National Capitol Region). The estimated  $e2$  was applied to housing units where eligibility could not be determined. We derived  $e1$  by taking the product of  $e2$  and the estimated residency rate. This rate was applied to numbers which were never reached and could not be determined to be residential households. Partial interviews are counted in the numerator of the RR4 formula, which is reported here because partial interviews are included in the data used for this report.

the interview, CSR does not usually ask respondents to supply their address. Instead, we asked respondents to identify their residency. This information allowed us to code almost all respondents into one of the 12 geographic areas in the National Capital Region that we used in our analysis. Whereas this procedure has a satisfactory degree of accuracy for our purposes of comparison, the procedure includes some inevitable inaccuracies due to errors on the part of respondents.

As expected when using telephone survey method, the sample composition did not exactly match the composition of the entire population of households. This is because of random sampling error, differences in rates of refusal between different groups, and differences among households in the amount of time that someone is home to answer the phone. The net result is a sample that somewhat overrepresented women and homeowners and underrepresented men and renters. Caucasians were also very slightly overrepresented, whereas African Americans and Asians were very slightly underrepresented. To correct these imbalances, CSR weighted the sample data by gender, homeownership, race, and geography. Statistical weighting is larger for those respondents who are in underrepresented groups, and smaller for those who are in overrepresented groups, so that the aggregate result is what we would have obtained from a fully uniform, random sample of the whole population.

In order to calculate the correct weights, CSR drew upon information from the 2000 US Census to get the correct proportions of the adult population. Because the 2000 US Census provides information on homeownership by race, we combined the two demographic variables to create one weight based on homeownership and race together. The proportion of male/females from the population was then a basis for our weight based on gender and the proportion of homeowners/renters, crossed by race, served to determine our weight based on homeownership and race.

Often, when weighting by more than one proportion (in this case gender and homeownership/race), a procedure known as raking is employed to gain parity between the different proportions. Raking is an iterative process that helps the final weight successfully account for all proportions. (There can only be one weight applied at any given time in the dataset). CSR raked the weight through four iterations and then calculated the final weight based on the most recent weights for gender and homeownership/race.

### **Sampling Error and Statistical Testing**

Based on a sample of 1036 National Capitol Region respondents, the survey has a sampling error of plus or minus 3.0 percent. This means that in 95 out of 100 samples of this size drawn from the National Capitol Region, the results obtained in the sample would fall in a range of  $\pm 3.0$  percentage points of what would have been obtained had every household in the County with a working telephone been interviewed. Larger sampling errors are present when analyzing subgroups of the sample or questions that were not asked of all respondents; smaller sampling errors are present when a lopsided majority gives the same answer (e.g., 80 percent of the sample are satisfied with a given service).

Statistical significance tests were used to verify the existence of satisfaction differences among various subgroups. We used independent-sample t-tests for differences in means and the Pearson Chi-Square test of independence for differences in proportions. In chi-square tests of satisfaction items, the four response categories were collapsed into two, "satisfied" and "dissatisfied". We report in these pages differences that yield a "p-value" of .05 or less. A level of .05 indicates that there is only a 5 percent chance that the difference we find is due to sampling error, rather than reflecting a real relationship within the study population. The statistics for evaluating statistical significance do not measure error from sources other than random sampling error. Such error can occur in any poll or survey.

**Final Disposition**

<b>Code</b>	<b>Disposition</b>	<b>Total</b>	<b>Group</b>	<b>Group Total</b>
1100	Complete	1036	Complete Interview	1036
1200	Partial	35	Partial Interview	35
2110	Eligible: Refusal	1419		
2120	Eligible: Break-off	28	Refusal and break-off	1447
2210	Eligible: Resp Never Available	47		
2221	Eligible: Ans Mach, No Message	464		
2222	Eligible: Ans Machine, Message	1453	Non-contact	1964
2310	Eligible: Dead	2		
2320	Eligible: Phys/Mentally Unable	35		
2330	Eligible: Language Unable	197		
2340	Eligible: Misc Unable	11	Other	245
3120	Busy	169		
3130	No Answer	1117		
3140	Ans Mach (Don't Know if HU)	49		
3150	Technical Phone Problems	92	Unknown if household	1427
3210	HU, Unknown Eligible: No Scmr	1549		
3220	HU, Unknown Eligible: Other	0	HH: eligibility unknown	1549
4100	Out of Sample	84	Not eligible	3293
4200	Fax/Data Line	736	<i>Total dialed attempts</i>	42265
4310	Non-working Number	441	<b>Results:</b>	
4320	Disconnected Number	695	<b>(Estimated 1 = .19)</b>	
4410	Number Changed	54	<b>(Estimated 2 = .96)</b>	
4420	Cell Phone	7	Response Rate 1:	.13
4430	Call Forwarding	0	Response Rate 2:	.14
4510	Business/Government/Other Org	1266	Response Rate 3:	.16
4520	Institution	1	<b>Response Rate 4:</b>	<b>.17</b>
4530	Group Quarter	2	Response Rate 5:	.22
4700	No Eligible Respondent	7	Response Rate 6:	.23
4800	Quota Filled	0	Cooperation Rate 1:	.38
			Cooperation Rate 2:	.39
	<i>Total numbers attempted</i>	<u>10996</u>	Cooperation Rate 3:	.41
			Cooperation Rate 4:	.43
			Refusal Rate 1:	.19
			Refusal Rate 2:	.23
			Refusal Rate 3:	.31
			Contact Rate 1:	.36
			Contact Rate 2:	.43
			Contact Rate 3:	.59



**Appendix C:**  
**Unweighted Demographic Frequency Tables**



## Appendix C

### Unweighted Demographic Frequency Tables

**dclive How long have you lived in capitol area?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Less than 1 year	39	3.5	3.6	3.6
	2 1 to 2 years	46	4.2	4.2	7.8
	3 3 to 5 years	107	9.7	9.8	17.6
	4 6 to 10 years	126	11.4	11.5	29.1
	5 11 to 19 years	139	12.6	12.7	41.8
	6 20 year or more	448	40.6	41.0	82.9
	7 All my life	187	16.9	17.1	100.0
	Total	1092	98.9	100.0	
Missing	8 Not sure/don't know	1	.1		
	9 Refused	1	.1		
	System	10	.9		
	Total	12	1.1		
Total		1104	100.0		

**localcom How long have you lived in your community?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Less than 1 year	87	7.9	8.0	8.0
	2 1 to 2 years	124	11.2	11.4	19.3
	3 3 to 5 years	191	17.3	17.5	36.8
	4 6 to 10 years	197	17.8	18.0	54.9
	5 11 to 19 years	174	15.8	15.9	70.8
	6 20 year or more	287	26.0	26.3	97.1
	7 All my life	32	2.9	2.9	100.0
	Total	1092	98.9	100.0	
Missing	8 Not sure/don't know	1	.1		
	9 Refused	1	.1		
	System	10	.9		
	Total	12	1.1		
Total		1104	100.0		

**fiveyear Would you like to be in the same community 5 years from now?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	750	67.9	74.0	74.0
	2 No	264	23.9	26.0	100.0
	Total	1014	91.8	100.0	
Missing	8 Don't know/Not sure	78	7.1		
	9 Refused	1	.1		
	System Total	11	1.0		
Total		1104	100.0		

**homeown Do you own your own home?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Owns	828	75.0	76.7	76.7
	2 Rents	249	22.6	23.1	99.8
	3 Other	2	.2	.2	100.0
	Total	1079	97.7	100.0	
Missing	8 Don't know	2	.2		
	9 Refused/No answer	10	.9		
	System Total	13	1.2		
Total		1104	100.0		

**kindhome What kind of place are you living in?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Single family home	651	59.0	60.1	60.1
	2 Duplex or townhouse	188	17.0	17.3	77.4
	3 Apartment or condo	233	21.1	21.5	98.9
	4 Mobile home	2	.2	.2	99.1
	5 Dormitory	2	.2	.2	99.3
	6 Other structure	8	.7	.7	100.0
	Total	1084	98.2	100.0	
Missing	8 Don't know/No answer	2	.2		
	9 Refused	3	.3		
	System Total	15	1.4		
Total		1104	100.0		

**stories How many stories does your building have?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	5	.5	2.2	2.2
	2	27	2.4	11.6	13.8
	3	85	7.7	36.6	50.4
	4	42	3.8	18.1	68.5
	5	10	.9	4.3	72.8
	6	8	.7	3.4	76.3
	7	7	.6	3.0	79.3
	8	11	1.0	4.7	84.1
	9	3	.3	1.3	85.3
	10	6	.5	2.6	87.9
	11	3	.3	1.3	89.2
	12	9	.8	3.9	93.1
	13	2	.2	.9	94.0
	14	1	.1	.4	94.4
	15	1	.1	.4	94.8
	16	5	.5	2.2	97.0
	17	1	.1	.4	97.4
	18	1	.1	.4	97.8
	19	1	.1	.4	98.3
	20	1	.1	.4	98.7
22	1	.1	.4	99.1	
26	2	.2	.9	100.0	
	Total	232	21.0	100.0	
Missing	99	1	.1		
	System	871	78.9		
	Total	872	79.0		
Total		1104	100.0		

**area And would you describe the area where you live as?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Urban	302	27.4	27.9	27.9
	2 Suburban	694	62.9	64.1	92.1
	3 Small town	55	5.0	5.1	97.1
	4 Rural village	18	1.6	1.7	98.8
	5 Out in country	13	1.2	1.2	100.0
	Total	1082	98.0	100.0	
Missing	8 Don't know	6	.5		
	9 Refused	1	.1		
	System	15	1.4		
Total		22	2.0		
Total		1104	100.0		

**neighbor About how many neighbors do you know on first name basis?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 None	93	8.4	8.6	8.6
	2 1 or 2	147	13.3	13.6	22.2
	3 3 to 5	277	25.1	25.6	47.7
	4 6 to 10	223	20.2	20.6	68.3
	5 10 or more	340	30.8	31.4	99.7
	6 Has no neighbors	3	.3	.3	100.0
	Total	1083	98.1	100.0	
Missing	8 Don't know	3	.3		
	9 Refused/No answer	2	.2		
	System	16	1.4		
	Total	21	1.9		
Total		1104	100.0		

**closerel Do you have any close relatives within walking distance of home?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	185	16.8	17.1	17.1
	2 No	899	81.4	82.9	100.0
	Total	1084	98.2	100.0	
Missing	8 Don't know/Not sure	1	.1		
	9 Refused	3	.3		
	System	16	1.4		
	Total	20	1.8		
Total		1104	100.0		

**driverel Do you have any close relatives within 15 minute driving distance?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	329	29.8	36.7	36.7
	2 No	567	51.4	63.3	100.0
	Total	896	81.2	100.0	
Missing	8 Don't know/Not sure	2	.2		
	9 Refused	4	.4		
	System	202	18.3		
	Total	208	18.8		
Total		1104	100.0		

**adults How many people age 18 and over stay in your household?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	8	.7	.7	.7
	1	253	22.9	23.5	24.2
	2	558	50.5	51.8	76.0
	3	160	14.5	14.9	90.9
	4	69	6.3	6.4	97.3
	5	17	1.5	1.6	98.9
	6	4	.4	.4	99.3
	7	4	.4	.4	99.6
	8	3	.3	.3	99.9
	22	1	.1	.1	100.0
	Total	1077	97.6	100.0	
Missing	99 Refused	9	.8		
	System	18	1.6		
	Total	27	2.4		
Total		1104	100.0		

**child Are there any children under 18 in your home?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	365	33.1	33.8	33.8
	2 No	715	64.8	66.2	100.0
	Total	1080	97.8	100.0	
Missing	9 Refused	6	.5		
	System	18	1.6		
	Total	24	2.2		
Total		1104	100.0		

**under6 How many children age 5 or younger?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	213	19.3	58.8	58.8
	1	98	8.9	27.1	85.9
	2	45	4.1	12.4	98.3
	3	4	.4	1.1	99.4
	4	2	.2	.6	100.0
	Total	362	32.8	100.0	
Missing	99 Refused	3	.3		
	System	739	66.9		
	Total	742	67.2		
Total		1104	100.0		

**sixup How many children are age 6 to 12?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	173	15.7	47.8	47.8
	1	123	11.1	34.0	81.8
	2	48	4.3	13.3	95.0
	3	15	1.4	4.1	99.2
	4	1	.1	.3	99.4
	5	1	.1	.3	99.7
	8	1	.1	.3	100.0
	Total	362	32.8	100.0	
Missing	99 Refused	3	.3		
	System	739	66.9		
	Total	742	67.2		
Total	1104	100.0			

**teens How many children are age 13 to 17?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	207	18.8	57.3	57.3
	1	117	10.6	32.4	89.8
	2	33	3.0	9.1	98.9
	3	3	.3	.8	99.7
	14	1	.1	.3	100.0
	Total	361	32.7	100.0	
Missing	99 Refused	4	.4		
	System	739	66.9		
	Total	743	67.3		
Total	1104	100.0			

**pets And do you have any pets at home?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	504	45.7	46.5	46.5
	2 No	579	52.4	53.5	100.0
	Total	1083	98.1	100.0	
Missing	9 Refused	2	.2		
	System	19	1.7		
	Total	21	1.9		
Total	1104	100.0			

Group \$PETTYTYPE Pet type  
(Value tabulated = 1)

Dichotomy label	Name	Count	Pct of Responses	Pct of Cases
Dog	pettype1	311	27.1	61.7
Cat	pettype2	232	20.2	46.0
Other mammal	pettype3	30	2.6	6.0
Bird	pettype4	22	1.9	4.4
Reptile	pettype5	19	1.7	3.8
Fish	pettype6	48	4.2	9.5
Other [Specify]	pettype7	1	.1	.2
No Pets	pettype8	2	.2	.4
Don't know/Refused	pettype9	483	42.1	95.8
Total responses		1148	100.0	227.8

**emplycat7 employment**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Working full time	625	56.6	60.1	60.1
	2 Working part time	101	9.1	9.7	69.8
	3 Looking for work	27	2.4	2.6	72.4
	4 Homemaker	59	5.3	5.7	78.1
	5 Retired	185	16.8	17.8	95.9
	6 Student	32	2.9	3.1	98.9
	7 Other	11	1.0	1.1	100.0
	Total	1040	94.2	100.0	
Missing	9 Refused	9	.8		
	System	55	5.0		
	Total	64	5.8		
Total		1104	100.0		

**agecat5 age: 5 categories**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 18-25	60	5.4	6.1	6.1
	2 26-37	217	19.7	22.2	28.3
	3 38-49	249	22.6	25.4	53.7
	4 50-64	284	25.7	29.0	82.7
	5 65 and over	169	15.3	17.3	100.0
	Total	979	88.7	100.0	
Missing	System	125	11.3		
Total		1104	100.0		

**marital Marital Status**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Married	598	54.2	58.8	58.8
	2 Separated	21	1.9	2.1	60.9
	3 Divorced	98	8.9	9.6	70.5
	4 Widowed	64	5.8	6.3	76.8
	5 Never Married	236	21.4	23.2	100.0
	Total	1017	92.1	100.0	
Missing	9 Refused	22	2.0		
	System	65	5.9		
	Total	87	7.9		
Total		1104	100.0		

**religus Do you attend religious services?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	667	60.4	65.3	65.3
	2 No	355	32.2	34.7	100.0
	Total	1022	92.6	100.0	
Missing	9 Refused	17	1.5		
	System	65	5.9		
	Total	82	7.4		
Total		1104	100.0		

**freqrelr How often do you attend religious services? (reversed)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Less than 1 a Yr or Never	2	.2	.3	.3
	2 Once A Year	10	.9	1.7	2.0
	3 A Few Times Per Year	111	10.1	18.9	21.0
	5 Twice Per Month	104	9.4	17.7	38.7
	6 Once Per Week	263	23.8	44.9	83.6
	7 More Than Once Per Week	92	8.3	15.7	99.3
	8 Daily	4	.4	.7	100.0
	Total	586	53.1	100.0	
Missing	System	518	46.9		
Total		1104	100.0		

**jobtype Type of job employed in**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 A private company	327	29.6	46.8	46.8
	2 A non-profit organization	94	8.5	13.5	60.3
	3 The federal government	145	13.1	20.8	81.1
	4 The state government	32	2.9	4.6	85.7
	5 Local government	48	4.3	6.9	92.6
	6 Your own business, farm, etc.	52	4.7	7.4	100.0
	Total	698	63.2	100.0	
Missing	8 Don't know	9	.8		
	9 Refused	7	.6		
	System	390	35.3		
Total	406	36.8			
Total	1104	100.0			

**duty Ever served in the U.S. military**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Current active duty	26	2.4	2.5	2.5
	2 Current reserve duty	7	.6	.7	3.2
	3 Past military service	136	12.3	13.2	16.5
	4 Never in military	858	77.7	83.5	100.0
	Total	1027	93.0	100.0	
Missing	8 Don't know	1	.1		
	9 Refused	9	.8		
	System	67	6.1		
Total	77	7.0			
Total	1104	100.0			

**educ Highest level of education**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Elementary School Only	8	.7	.8	.8
	2 Some High School	20	1.8	2.0	2.7
	3 Completed HS	143	13.0	14.0	16.7
	4 Some College	126	11.4	12.3	29.1
	5 A.A./A.S.	75	6.8	7.3	36.4
	6 B.A./B.S.	278	25.2	27.2	63.6
	7 Some Grad Work	43	3.9	4.2	67.8
	8 Masters or Pro Degree	257	23.3	25.1	93.0
	9 Adv Grad Work or Ph.D.	72	6.5	7.0	100.0
	Total	1022	92.6	100.0	
Missing	10 Don't Know	3	.3		
	11 Refused	12	1.1		
	System	67	6.1		
	Total	82	7.4		
Total		1104	100.0		

**income Household income**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Less Than 15 Thousand	30	2.7	3.6	3.6
	2 Fifteen to 35 Thousand	77	7.0	9.2	12.7
	3 Thirty-Five to 50 Thousand	99	9.0	11.8	24.5
	4 Fifty to 75 Thousand	157	14.2	18.7	43.2
	5 75 to 100 Thousand	134	12.1	16.0	59.2
	6 100 Thousand to 150 Thousand	197	17.8	23.5	82.6
	7 150 Thousand to 250 Thousand	117	10.6	13.9	96.5
	8 Over 250 thousand	29	2.6	3.5	100.0
	Total	840	76.1	100.0	
Missing	10 Don't Know	18	1.6		
	11 Refused	179	16.2		
	System	67	6.1		
	Total	264	23.9		
Total		1104	100.0		

**lang Does anyone in household have trouble communicating in English?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	40	3.6	3.9	3.9
	2 No	990	89.7	96.1	100.0
	Total	1030	93.3	100.0	
Missing	9 Refused	7	.6		
	System	67	6.1		
	Total	74	6.7		
Total		1104	100.0		

**hispanic Are you Hispanic?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	50	4.5	4.9	4.9
	2 No	975	88.3	95.1	100.0
	Total	1025	92.8	100.0	
Missing	8 Not sure/don't know	1	.1		
	9 Refused	11	1.0		
	System	67	6.1		
	Total	79	7.2		
Total		1104	100.0		

**mid east Are you of Middle Eastern or Arab origin?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	19	1.7	1.9	1.9
	2 No	1002	90.8	98.1	100.0
	Total	1021	92.5	100.0	
Missing	8 Unsure [Give Details]	3	.3		
	9 Refused	13	1.2		
	System	67	6.1		
	Total	83	7.5		
Total		1104	100.0		

**race Racial category that best describes you**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 White/European	737	66.8	71.1	71.1
	2 African American /Black	231	20.9	22.3	93.3
	3 Pakistani or East Indian	11	1.0	1.1	94.4
	4 Other Asian	23	2.1	2.2	96.6
	5 American Indian	3	.3	.3	96.9
	6 Pacific Islander	7	.6	.7	97.6
	7 Other [Specify]	25	2.3	2.4	100.0
	Total	1037	93.9	100.0	
Missing	System	67	6.1		
Total		1104	100.0		

**lstphone Is your phone listed or unlisted?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Listed	744	67.4	76.9	76.9
	2 Unlisted	223	20.2	23.1	100.0
	Total	967	87.6	100.0	
Missing	8 Don't Know	55	5.0		
	9 Refused	15	1.4		
	System	67	6.1		
Total	Total	137	12.4		
Total		1104	100.0		

**ynolist Is your number unlisted by choice?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Not Yet in Directory	18	1.6	8.1	8.1
	2 Unlisted Intentionally	203	18.4	91.9	100.0
	Total	221	20.0	100.0	
Missing	8 Don't Know	2	.2		
	System	881	79.8		
Total	Total	883	80.0		
Total		1104	100.0		

**gender Resondents gender**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 male	412	37.3	39.7	39.7
	2 female	625	56.6	60.3	100.0
	Total	1037	93.9	100.0	
Missing	System	67	6.1		
Total		1104	100.0		

**Appendix D:**  
**Weighted Frequency Tables**



## Appendix D

### Weighted Frequency Tables

**dclive How long have you lived in capitol area?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Less than 1 year	56	5.1	5.1	5.1
	2 1 to 2 years	65	5.9	5.9	11.0
	3 3 to 5 years	120	10.9	11.0	22.0
	4 6 to 10 years	124	11.2	11.4	33.4
	5 11 to 19 years	127	11.5	11.6	45.0
	6 20 year or more	410	37.2	37.6	82.7
	7 All my life	189	17.2	17.3	100.0
	Total	1090	98.9	100.0	
Missing	8 Not sure/don't know	1	.1		
	9 Refused	1	.1		
	System	10	.9		
	Total	12	1.1		
Total		1102	100.0		

**localcom How long have you lived in your community?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Less than 1 year	114	10.3	10.4	10.4
	2 1 to 2 years	150	13.6	13.8	24.2
	3 3 to 5 years	197	17.9	18.1	42.3
	4 6 to 10 years	189	17.2	17.4	59.7
	5 11 to 19 years	155	14.1	14.3	73.9
	6 20 year or more	255	23.1	23.4	97.3
	7 All my life	29	2.6	2.7	100.0
	Total	1090	98.9	100.0	
Missing	8 Not sure/don't know	1	.1		
	9 Refused	1	.1		
	System	10	.9		
	Total	12	1.1		
Total		1102	100.0		

**fiveyear Would you like to be in the same community 5 years from now?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	718	65.1	70.8	70.8
	2 No	296	26.9	29.2	100.0
	Total	1014	92.0	100.0	
Missing	8 Don't know/Not sure	76	6.9		
	9 Refused	1	.1		
	System	11	1.0		
	Total	88	8.0		
Total		1102	100.0		

**homeown Do you own your own home?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Owns	674	61.1	62.6	62.6
	2 Rents	401	36.3	37.2	99.8
	3 Other	2	.2	.2	100.0
	Total	1077	97.7	100.0	
Missing	8 Don't know	2	.2		
	9 Refused/No answer	10	.9		
	System	13	1.2		
	Total	25	2.3		
Total		1102	100.0		

**kindhome What kind of place are you living in?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Single family home	559	50.7	51.7	51.7
	2 Duplex or townhouse	176	16.0	16.3	68.0
	3 Apartment or condo	331	30.0	30.6	98.6
	4 Mobile home	2	.2	.2	98.8
	5 Dormitory	3	.2	.2	99.0
	6 Other structure	10	.9	1.0	100.0
	Total	1081	98.1	100.0	
Missing	8 Don't know/No answer	2	.2		
	9 Refused	3	.3		
	System	16	1.4		
	Total	21	1.9		
Total		1102	100.0		

**stories How many stories does your building have?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	7	.6	2.0	2.0
	2	35	3.2	10.6	12.6
	3	123	11.2	37.5	50.1
	4	61	5.6	18.6	68.7
	5	13	1.1	3.8	72.5
	6	12	1.0	3.5	76.0
	7	10	.9	3.1	79.1
	8	14	1.3	4.2	83.4
	9	4	.4	1.2	84.6
	10	13	1.2	3.9	88.5
	11	7	.6	2.1	90.6
	12	11	1.0	3.4	94.0
	13	1	.1	.4	94.4
	14	2	.2	.5	95.0
	15	1	.1	.4	95.4
	16	7	.6	2.0	97.4
	17	2	.2	.5	97.9
	18	1	.1	.2	98.1
	19	2	.1	.5	98.6
	20	2	.1	.5	99.1
	22	2	.1	.5	99.6
	26	1	.1	.4	100.0
	Total	329	29.9	100.0	
Missing	99	2	.1		
	System	771	70.0		
	Total	773	70.1		
Total		1102	100.0		

**area And would you describe the area where you live as?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Urban	348	31.6	32.3	32.3
	2 Suburban	636	57.7	58.9	91.2
	3 Small town	66	6.0	6.1	97.3
	4 Rural village	18	1.6	1.6	98.9
	5 Out in country	11	1.0	1.1	100.0
	Total	1080	98.0	100.0	
Missing	8 Don't know	6	.5		
	9 Refused	1	.1		
	System	16	1.4		
	Total	22	2.0		
Total		1102	100.0		

**neighbor About how many neighbors do you know on first name basis?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 None	126	11.4	11.7	11.7
	2 1 or 2	178	16.1	16.5	28.1
	3 3 to 5	266	24.1	24.6	52.7
	4 6 to 10	216	19.6	20.0	72.8
	5 10 or more	292	26.5	27.0	99.8
	6 Has no neighbors	2	.2	.2	100.0
	Total	1080	98.0	100.0	
Missing	8 Don't know	4	.3		
	9 Refused/No answer	2	.2		
	System	17	1.5		
	Total	22	2.0		
Total		1102	100.0		

**closer1 Do you have any close relatives within walking distance of home?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	192	17.4	17.8	17.8
	2 No	888	80.6	82.2	100.0
	Total	1080	98.0	100.0	
Missing	8 Don't know/Not sure	3	.2		
	9 Refused	3	.3		
	System	17	1.5		
	Total	22	2.0		
Total		1102	100.0		

**driverel Do you have any close relatives within 15 minute driving distance?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	326	29.6	36.8	36.8
	2 No	561	50.9	63.2	100.0
	Total	887	80.5	100.0	
Missing	8 Don't know/Not sure	2	.2		
	9 Refused	3	.3		
	System	209	19.0		
	Total	215	19.5		
Total		1102	100.0		

**distrel distance to nearest relative**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Relative within walking or driving distance	192	17.4	17.8	17.8
	2 Relative within 15 minute drive	326	29.6	30.3	48.1
	3 No close relative	558	50.7	51.9	100.0
	Total	1077	97.7	100.0	
Missing	System	25	2.3		
Total		1102	100.0		

**alone lives alone**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	233	21.1	21.6	21.6
	2 No	842	76.4	78.4	100.0
	Total	1075	97.5	100.0	
Missing	System	27	2.5		
Total		1102	100.0		

**adults How many people age 18 and over stay in your household?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	9	.9	.9	.9
	1	273	24.7	25.4	26.2
	2	536	48.7	49.8	76.1
	3	158	14.3	14.7	90.7
	4	71	6.5	6.6	97.3
	5	17	1.5	1.6	98.9
	6	3	.3	.3	99.2
	7	5	.4	.4	99.6
	8	3	.3	.3	99.9
	22	1	.1	.1	100.0
	Total	1076	97.6	100.0	
Missing	99 Refused	8	.7		
	System	19	1.7		
	Total	26	2.4		
Total		1102	100.0		

**child Are there any children under 18 in your home?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	351	31.8	32.5	32.5
	2 No	727	66.0	67.5	100.0
	Total	1078	97.9	100.0	
Missing	9 Refused	5	.5		
	System	19	1.7		
	Total	24	2.1		
Total		1102	100.0		

**under6 How many children age 5 or younger?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	191	17.3	54.8	54.8
	1	105	9.5	30.2	85.0
	2	45	4.1	13.0	98.0
	3	5	.4	1.4	99.4
	4	2	.2	.6	100.0
	Total	348	31.6	100.0	
Missing	99 Refused	3	.3		
	System	751	68.2		
	Total	754	68.4		
Total		1102	100.0		

**sixup How many children are age 6 to 12?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	170	15.4	48.8	48.8
	1	119	10.8	34.2	83.1
	2	42	3.8	11.9	95.0
	3	14	1.3	4.1	99.1
	4	1	.1	.2	99.3
	5	1	.1	.3	99.5
	8	2	.1	.5	100.0
	Total	348	31.6	100.0	
Missing	99 Refused	3	.3		
	System	751	68.2		
	Total	754	68.4		
Total		1102	100.0		

**teens How many children are age 13 to 17?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	210	19.0	60.5	60.5
	1	105	9.5	30.2	90.7
	2	28	2.5	7.9	98.6
	3	4	.4	1.2	99.8
	14	1	.1	.2	100.0
	Total	347	31.5	100.0	
Missing	99 Refused	4	.4		
	System	751	68.2		
	Total	755	68.5		
Total		1102	100.0		

**pets And do you have any pets at home?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	464	42.1	42.9	42.9
	2 No	616	55.9	57.1	100.0
	Total	1079	97.9	100.0	
Missing	9 Refused	2	.2		
	System	20	1.8		
	Total	23	2.1		
Total		1102	100.0		

Group \$PETTYPE Pet type		Name	Count	Pct of Responses	Pct of Cases
Dichotomy label					
Dog		pettype1	264	25.4	57.0
Cat		pettype2	219	21.0	47.2
Other mammal		pettype3	26	2.5	5.6
Bird		pettype4	20	2.0	4.4
Reptile		pettype5	18	1.8	4.0
Fish		pettype6	48	4.6	10.4
Other [Specify]		pettype7	1	.1	.1
No Pets		pettype8	2	.2	.4
Don't know/Refused		pettype9	442	42.5	95.4
			-----	-----	-----
Total responses			1041	100.0	224.5
638 missing cases; 464 valid cases					

**govtr\_1 Confidence in electricity (reversed)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Not at all confident	141	12.8	13.5	13.5
	2 Not so confident	266	24.1	25.5	39.0
	3 Somewhat confident	412	37.4	39.6	78.6
	4 Very confident	223	20.3	21.4	100.0
	Total	1042	94.6	100.0	
Missing	8 Don't know	38	3.4		
	9 Refused	2	.2		
	System	20	1.8		
	Total	60	5.4		
Total		1102	100.0		

**govtr\_2 Confidence in natural gas (reversed)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Not at all confident	84	7.6	10.8	10.8
	2 Not so confident	118	10.7	15.2	26.1
	3 Somewhat confident	347	31.5	44.9	70.9
	4 Very confident	225	20.4	29.1	100.0
	Total	773	70.2	100.0	
Missing	7 Don't have service	253	23.0		
	8 Don't know	53	4.8		
	9 Refused	2	.2		
	System	20	1.8		
	Total	329	29.8		
Total		1102	100.0		

**govtr\_3 Confidence in water (reversed)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Not at all confident	99	9.0	9.9	9.9
	2 Not so confident	158	14.4	15.8	25.7
	3 Somewhat confident	446	40.5	44.5	70.2
	4 Very confident	299	27.1	29.8	100.0
	Total	1002	90.9	100.0	
Missing	7 Don't have service	30	2.7		
	8 Don't know	48	4.4		
	9 Refused	2	.2		
	System	20	1.8		
	Total	100	9.1		
Total		1102	100.0		

**govtr\_4 Confidence in cell phone (reversed)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Not at all confident	184	16.7	19.8	19.8
	2 Not so confident	200	18.1	21.4	41.2
	3 Somewhat confident	325	29.5	34.9	76.1
	4 Very confident	223	20.2	23.9	100.0
	Total	932	84.5	100.0	
Missing	7 Don't have service	102	9.2		
	8 Don't know	41	3.7		
	9 Refused	5	.5		
	System	23	2.1		
	Total	170	15.5		
Total		1102	100.0		

**govtr\_5 Confidence in local phone (reversed)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Not at all confident	117	10.6	11.3	11.3
	2 Not so confident	200	18.1	19.3	30.7
	3 Somewhat confident	459	41.7	44.4	75.0
	4 Very confident	259	23.5	25.0	100.0
	Total	1035	93.9	100.0	
Missing	7 Don't have service	5	.4		
	8 Don't know	33	3.0		
	9 Refused	3	.3		
	System	26	2.4		
	Total	67	6.1		
Total		1102	100.0		

**govtr\_6 Confidence in local TV (reversed)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Not at all confident	109	9.9	10.7	10.7
	2 Not so confident	126	11.4	12.4	23.1
	3 Somewhat confident	456	41.4	45.0	68.1
	4 Very confident	324	29.4	31.9	100.0
	Total	1015	92.1	100.0	
Missing	7 Don't have service	16	1.5		
	8 Don't know	43	3.9		
	9 Refused	2	.2		
	System	26	2.4		
	Total	87	7.9		
Total		1102	100.0		

**govtr\_7 Confidence in cable TV (reversed)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Not at all confident	174	15.8	19.4	19.4
	2 Not so confident	195	17.7	21.7	41.1
	3 Somewhat confident	324	29.4	36.1	77.2
	4 Very confident	205	18.6	22.8	100.0
	Total	899	81.6	100.0	
Missing	7 Don't have service	141	12.8		
	8 Don't know	34	3.1		
	9 Refused	2	.2		
	System	26	2.4		
	Total	203	18.4		
Total		1102	100.0		

**govtr\_8 Confidence in internet (reversed)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Not at all confident	173	15.7	18.6	18.6
	2 Not so confident	215	19.5	23.1	41.8
	3 Somewhat confident	368	33.4	39.6	81.3
	4 Very confident	174	15.8	18.7	100.0
	Total	930	84.4	100.0	
Missing	7 Don't have service	107	9.7		
	8 Don't know	37	3.3		
	9 Refused	2	.2		
	System	26	2.4		
	Total	172	15.6		
Total		1102	100.0		

**govtr\_9 Confidence in radio (reversed)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Not at all confident	29	2.7	2.8	2.8
	2 Not so confident	21	1.9	2.0	4.9
	3 Somewhat confident	247	22.4	23.8	28.7
	4 Very confident	739	67.1	71.3	100.0
	Total	1037	94.1	100.0	
Missing	7 Don't have service	19	1.7		
	8 Don't know	18	1.6		
	9 Refused	2	.2		
	System	26	2.4		
	Total	65	5.9		
Total		1102	100.0		

**govtr\_10 Confidence in public transportation (reversed)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Not at all confident	189	17.1	20.4	20.4
	2 Not so confident	296	26.8	32.0	52.4
	3 Somewhat confident	312	28.3	33.7	86.1
	4 Very confident	128	11.6	13.9	100.0
	Total	925	84.0	100.0	
Missing	7 Don't have service	82	7.5		
	8 Don't know	66	6.0		
	9 Refused	2	.2		
	System	26	2.4		
	Total	177	16.0		
Total		1102	100.0		

**govtr\_11 Confidence in highways (reversed)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Not at all confident	176	16.0	17.3	17.3
	2 Not so confident	213	19.3	20.9	38.2
	3 Somewhat confident	360	32.7	35.3	73.5
	4 Very confident	271	24.6	26.5	100.0
	Total	1020	92.5	100.0	
Missing	7 Don't have service	10	.9		
	8 Don't know	44	4.0		
	9 Refused	2	.2		
	System	26	2.4		
	Total	82	7.5		
Total		1102	100.0		

**govtr\_12 Confidence in healthcare (reversed)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Not at all confident	46	4.2	4.4	4.4
	2 Not so confident	122	11.1	11.7	16.1
	3 Somewhat confident	456	41.4	43.8	59.9
	4 Very confident	418	37.9	40.1	100.0
	Total	1041	94.5	100.0	
Missing	7 Don't have service	2	.1		
	8 Don't know	31	2.8		
	9 Refused	2	.2		
	System	26	2.4		
	Total	61	5.5		
Total		1102	100.0		

**govtr\_13 Confidence in banks and financial institutions (reversed)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Not at all confident	191	17.3	18.8	18.8
	2 Not so confident	200	18.1	19.7	38.4
	3 Somewhat confident	421	38.2	41.4	79.8
	4 Very confident	205	18.6	20.2	100.0
	Total	1016	92.2	100.0	
Missing	7 Don't have service	7	.7		
	8 Don't know	47	4.3		
	9 Refused	5	.4		
	System	26	2.4		
	Total	86	7.8		
Total		1102	100.0		

**confidr Experiences in previous crises make more or less confident (reverse)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 A lot less confident	119	10.8	11.7	11.7
	2 A little less confident	252	22.9	24.8	36.6
	3 No difference	173	15.7	17.1	53.7
	4 A little more confident	328	29.8	32.4	86.0
	5 A lot more confident	141	12.8	14.0	100.0
	Total	1014	92.0	100.0	
Missing	6 No experience	30	2.7		
	8 Don't know	23	2.1		
	9 Refused	6	.5		
	System	29	2.6		
	Total	88	8.0		
Total		1102	100.0		

**shopinf1r Likely to obtain info about terrorist attack from screen in shopping mall (reversed)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely Not Get	109	9.9	21.3	21.3
	2 Probably Not Get	156	14.1	30.4	51.8
	3 Probably Get	136	12.4	26.7	78.4
	4 Definitely Get	110	10.0	21.6	100.0
	Total	512	46.4	100.0	
Missing	8 Don't Know	4	.3		
	9 Refused	1	.1		
	System	586	53.2		
	Total	590	53.6		
Total		1102	100.0		

**shopinf2r Likely to use Red Cross information booth in shopping mall (reversed)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Definitely Not Get	67	6.1	12.3	12.3
	2 Probably Not Get	130	11.8	24.0	36.3
	3 Probably Get	173	15.7	32.0	68.3
	4 Definitely Get	172	15.6	31.7	100.0
	Total	542	49.2	100.0	
Missing	8 Don't Know	10	.9		
	9 Refused	1	.1		
	System	548	49.8		
	Total	560	50.8		
Total		1102	100.0		

**followr In terrorist attack, I would strictly follow government instructions (reversed)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Strongly disagree	23	2.1	2.2	2.2
	2 Somewhat disagree	45	4.1	4.2	6.4
	3 Neither agree nor disagree	93	8.4	8.8	15.2
	4 Somewhat agree	380	34.5	36.0	51.2
	5 Strongly agree	515	46.7	48.8	100.0
	Total	1056	95.8	100.0	
Missing	8 Don't know	11	1.0		
	9 Refused	2	.2		
	System	33	3.0		
	Total	46	4.2		
Total		1102	100.0		

**usafafe Who is most responsible protecting US from terrorist attack?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Individual	74	6.7	7.3	7.3
	2 Local gov't	33	3.0	3.2	10.5
	3 State gov't	25	2.2	2.4	12.9
	4 Federal gov't	521	47.3	51.2	64.1
	5 Private industry	8	.7	.8	64.9
	6 All share equally	305	27.6	29.9	94.8
	7 President	53	4.8	5.2	100.0
	Total	1018	92.4	100.0	
Missing	8 Don't Know	38	3.5		
	9 Refused	9	.8		
	System	36	3.3		
	Total	84	7.6		
Total		1102	100.0		

**usasa2 keep US safe**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Individual	74	6.7	7.3	7.3
	2 Local government	33	3.0	3.2	10.5
	3 State government	25	2.2	2.4	12.9
	4 Federal government	574	52.1	56.4	69.3
	5 Private industry	8	.7	.8	70.1
	6 All share equally	305	27.6	29.9	100.0
	Total	1018	92.4	100.0	
Missing	8 Don't know	38	3.5		
	9 Refused	9	.8		
	System	36	3.3		
	Total	84	7.6		
Total	1102	100.0			

**taxesr Pay more tax to protect against terrorism (reversed)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Strongly disagree	189	17.2	24.3	24.3
	2 Somewhat disagree	107	9.7	13.8	38.1
	3 Neither agree nor disagree	71	6.4	9.1	47.2
	4 Somewhat agree	221	20.1	28.5	75.7
	5 Strongly agree	189	17.2	24.3	100.0
	Total	778	70.6	100.0	
Missing	8 Don't know	23	2.1		
	9 Refused	7	.6		
	System	294	26.7		
	Total	324	29.4		
Total	1102	100.0			

**moneyr Gov't spends too much time and money on anti-terrorism (reversed)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Strongly disagree	198	18.0	26.1	26.1
	2 Somewhat disagree	186	16.9	24.5	50.6
	3 Neither agree nor disagree	68	6.2	9.0	59.6
	4 Somewhat agree	144	13.1	19.0	78.6
	5 Strongly agree	162	14.7	21.4	100.0
	Total	758	68.8	100.0	
Missing	8 Don't know	39	3.5		
	9 Refused	5	.5		
	System	300	27.2		
	Total	344	31.2		
Total	1102	100.0			

**inconvr Willing to experience more inconvenience to protect against terrorism (reversed)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Strongly disagree	84	7.6	11.0	11.0
	2 Somewhat disagree	62	5.6	8.1	19.1
	3 Neither agree nor disagree	50	4.5	6.5	25.6
	4 Somewhat agree	272	24.6	35.6	61.2
	5 Strongly agree	296	26.9	38.8	100.0
Total		763	69.3	100.0	
Missing	8 Don't know	19	1.7		
	9 Refused	4	.4		
	System	316	28.6		
Total		339	30.7		
Total		1102	100.0		

**rightsr Government has taken away too many individual rights (reversed)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Strongly disagree	185	16.8	23.7	23.7
	2 Somewhat disagree	157	14.2	20.0	43.7
	3 Neither agree nor disagree	53	4.8	6.8	50.5
	4 Somewhat agree	163	14.8	20.9	71.4
	5 Strongly agree	223	20.2	28.6	100.0
Total		781	70.9	100.0	
Missing	8 Don't know	16	1.4		
	9 Refused	6	.5		
	System	299	27.1		
Total		321	29.1		
Total		1102	100.0		

**patact1 Are you familiar with the Patriot Act?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	605	54.9	57.3	57.3
	2 Only heard of it	224	20.3	21.2	78.5
	3 No	227	20.6	21.5	100.0
Total		1057	95.9	100.0	
Missing	8 Don't know	4	.4		
	9 Refused	3	.2		
	System	38	3.5		
Total		45	4.1		
Total		1102	100.0		

**patact2 Do you feel the Patriot Act should be renewed, revised, allowed to expire?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Renewed	99	9.0	16.9	16.9
	2 Revised or debated	359	32.6	61.1	78.1
	3 Expire or ended	123	11.1	20.9	99.0
	4 Other	6	.6	1.0	100.0
	Total	587	53.3	100.0	
Missing	8 Don't know	15	1.4		
	9 Refused	4	.3		
	System	496	45.1		
	Total	515	46.7		
Total	1102	100.0			

**dbknow Know difference between dirty and atomic bomb before today?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	742	67.3	70.1	70.1
	2 Somewhat aware	63	5.7	5.9	76.0
	3 No	253	23.0	24.0	100.0
	Total	1058	96.0	100.0	
Missing	9 Refused	1	.1		
	System	43	3.9		
	Total	44	4.0		
Total	1102	100.0			

**dbstaygo Stay at home or leave immediately?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Stay at home	860	78.1	84.1	84.1
	2 Leave immediately	159	14.4	15.5	99.6
	3 Other	4	.4	.4	100.0
	Total	1023	92.9	100.0	
Missing	8 Don't know / Depends	33	3.0		
	9 Refused	3	.2		
	System	43	3.9		
	Total	79	7.1		
Total	1102	100.0			

**dbhwlng How long willing to remain at home?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 One hour or less	1	.1	.1	.1
	2 Several hours	6	.5	.7	.9
	3 Until tomorrow morning	2	.2	.2	1.1
	4 Until tomorrow evening	7	.7	.9	2.0
	5 Until the morning after next	5	.4	.6	2.5
	6 Full 48 hours	271	24.6	32.1	34.6
	7 Longer than 48 hours, if necessary	552	50.1	65.4	100.0
	Total	844	76.6	100.0	
Missing	8 Don't know	13	1.2		
	System	245	22.2		
	Total	258	23.4		
Total	1102	100.0			

Group \$DBYGO Why leave dirty bomb at home				
Dichotomy label	Name	Count	Pct of Responses	Pct of Cases
To find or take care of my children	dbygo_1	33	13.4	16.7
To find or take care of my adult family	dbygo_2	18	7.1	8.8
To find or take care of other people not	dbygo_3	5	2.1	2.6
To find or take care of pets	dbygo_4	5	2.0	2.5
To meet job responsibilites	dbygo_5	1	.4	.4
To get medications	dbygo_6	6	2.3	2.8
To get food or water	dbygo_7	12	5.0	6.2
To get other needed supplies [specify]	dbygo_8	1	.4	.5
Would feel safer someplace else	dbygo_9	99	40.2	49.7
Do not feel the situation is dangerous	dbygo_10	4	1.6	2.0
Not concerned about getting cancer somet	dbygo_11	1	.3	.3
Could avoid danger when going outside	dbygo_12	13	5.2	6.5
Do not trust the advice of the authoriti	dbygo_13	20	8.1	10.0
Other [specify]	dbygo_14	21	8.6	10.6
Don't know	dbygo_15	8	3.3	4.1
Refused	dbygo_16	0	.1	.1
		-----	-----	-----
	Total responses	247	100.0	123.9
902 missing cases; 200 valid cases				

**dbkids How long if loved ones taken care of**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 1 hour or less	1	.1	1.5	1.5
	2 Several hours	6	.6	17.8	19.3
	3 Until tomorrow morning	1	.1	3.5	22.8
	4 Until tomorrow evening	1	.1	1.8	24.6
	5 Until the morning after next	1	.1	4.1	28.7
	6 Full 48 hours	13	1.2	35.1	63.7
	7 Longer than 48 hours	13	1.2	36.3	100.0
	Total	37	3.3	100.0	
Missing	8 Don't know	7	.7		
	System	1058	96.0		
	Total	1065	96.7		
Total	1102	100.0			

**dbeffort Would you stay at home if people could bring food, water, or medications?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 One hour or less	3	.3	5.5	5.5
	2 Several hours	1	.1	1.8	7.3
	3 Until tomorrow morning	2	.2	3.6	10.9
	4 Until tomorrow evening	2	.2	3.2	14.1
	6 Full 48 hours	11	1.0	18.7	32.8
	7 Longer than 48 hours, if necessary	38	3.5	67.2	100.0
	Total	57	5.2	100.0	
Missing	8 Don't know	10	.9		
	9 Refused	1	.1		
	System	1034	93.9		
Total	1045	94.8			
Total	1102	100.0			

**employ Employment status**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Working full time [+35 hrs/wk]	338	30.6	60.4	60.4
	2 Working part time	47	4.3	8.4	68.9
	3 Looking for work	18	1.6	3.2	72.1
	4 Homemaker	30	2.7	5.3	77.4
	5 Retired	88	8.0	15.8	93.1
	6 Student	32	2.9	5.8	98.9
	7 Other [specify]	6	.5	1.1	100.0
	Total	558	50.7	100.0	
Missing	9 Refused	3	.2		
	System	541	49.1		
	Total	543	49.3		
Total	1102	100.0			

**indoors Do you work primarily indoors?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	324	29.4	85.3	85.3
	2 No-work at home	8	.7	2.0	87.3
	3 No-work outdoors	25	2.2	6.5	93.8
	4 No-work all over	24	2.1	6.2	100.0
	Total	380	34.5	100.0	
Missing	System	722	65.5		
Total		1102	100.0		

**db2stygo Would you stay in building or leave immediately?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Stay in building	397	36.0	75.1	75.1
	2 Leave immediately	129	11.7	24.3	99.4
	3 Other	3	.3	.6	100.0
	Total	529	48.0	100.0	
Missing	8 Don't know / Depends	29	2.6		
	System	543	49.3		
	Total	573	52.0		
Total		1102	100.0		

**db2hwlg How long remain in building?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 One hour or less	3	.3	.8	.8
	2 Several hours	8	.7	2.0	2.9
	3 Until tomorrow morning	10	.9	2.5	5.3
	4 Until tomorrow evening	6	.5	1.5	6.9
	5 Until the morning after next	3	.3	.8	7.7
	6 Full 48 hours	127	11.6	32.6	40.3
	7 Longer than 48 hours, if necessary	234	21.2	59.7	100.0
	Total	391	35.5	100.0	
Missing	8 Don't know	5	.5		
	9 Refused	1	.1		
	System	705	64.0		
Total	711	64.5			
Total	1102	100.0			

Group \$DB2YGO Why leave dirty bomb at work				
Dichotomy label	Name	Count	Pct of Responses	Pct of Cases
To find or take care of my children	db2ygo_1	46	20.9	28.4
To find or take care of my adult family	db2ygo_2	40	18.4	24.9
To find or take care of other people not	db2ygo_3	11	5.1	6.9
To find or take care of pets	db2ygo_4	9	4.2	5.7
To meet job responsibilites	db2ygo_5	1	.4	.5
To get medications	db2ygo_6	1	.7	.9
To get food or water	db2ygo_7	18	8.4	11.4
To get other needed supplies [specify]	db2ygo_8	1	.4	.5
Would feel safer someplace else	db2ygo_9	59	27.0	36.6
Could avoid danger when going outside	db2ygo12	8	3.5	4.7
Do not trust the advice of the authoriti	db2ygo13	6	2.8	3.8
Other [specify]	db2ygo14	15	6.9	9.3
Don't know	db2ygo15	3	1.3	1.8
	Total responses	218	100.0	135.4

941 missing cases; 161 valid cases

**db2plan Would you stay if building had plans to keep people fed and safe?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Leave the building	89	8.1	60.6	60.6
	2 Not leave the building	58	5.3	39.4	100.0
	Total	147	13.4	100.0	
Missing	8 Don't know	13	1.2		
	System	941	85.4		
	Total	955	86.6		
Total		1102	100.0		

**db2kids How long if loved ones taken care of**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 1 hour or less	8	.8	16.5	16.5
	2 Several hours	2	.2	4.0	20.5
	3 Until tomorrow morning	2	.2	4.2	24.7
	4 Until tomorrow evening	3	.2	5.1	29.7
	5 Until the morning after next	1	.1	2.4	32.2
	6 Full 48 hours	18	1.6	35.1	67.3
	7 Longer than 48 hours	17	1.5	32.7	100.0
	Total	51	4.6	100.0	
Missing	8 Don't know	4	.4		
	System	1047	95.0		
	Total	1051	95.4		
Total		1102	100.0		

**db2efort How long would be willing to stay in building if people could bring food, water, medications?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 1 hour or less	3	.3	8.3	8.3
	3 Until tomorrow morning	2	.2	7.1	15.4
	4 Until tomorrow evening	3	.3	8.7	24.1
	5 Until the morning after next	0	.0	.5	24.7
	6 Full 48 hours	6	.6	19.1	43.7
	7 Longer than 48 hours	19	1.7	56.3	100.0
	Total	33	3.0	100.0	
Missing	8 Don't know	14	1.2		
	System	1055	95.7		
	Total	1068	97.0		
Total		1102	100.0		

**smdo Where would you go if thought community scene of samllpox epidemic?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Stay at home	171	15.5	35.9	35.9
	2 Go to nearby location	26	2.3	5.4	41.3
	3 Evacuate area	181	16.4	38.0	79.3
	4 Continue normal routine	61	5.5	12.8	92.1
	5 Other	38	3.4	7.9	100.0
	Total	476	43.2	100.0	
Missing	8 Don't know	16	1.4		
	System	610	55.4		
	Total	626	56.8		
Total	1102	100.0			

**smstaygo What would you do in response to samllpox epidemic?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Stay at home	257	23.3	54.3	54.3
	2 Go to nearby location	12	1.1	2.6	56.8
	3 Evacuate area	172	15.6	36.2	93.0
	4 Continue normal routine	21	1.9	4.4	97.5
	5 Other	12	1.1	2.5	100.0
	Total	474	43.0	100.0	
Missing	8 Don't know	17	1.6		
	System	611	55.5		
	Total	628	57.0		
Total	1102	100.0			

smhowlmg How long would you be willing to remain at home in this situation?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Not at all or less than a day	4	.3	1.4	1.4
	3 2-6 days	8	.8	3.4	4.8
	4 1 week	23	2.1	9.1	14.0
	5 2 weeks	25	2.2	10.0	23.9
	6 3 weeks	14	1.2	5.5	29.5
	7 4 weeks/one month	51	4.6	20.5	50.0
	8 2-3 months	13	1.2	5.4	55.3
	9 4-6 months	14	1.2	5.5	60.9
	10 Indefinitely	97	8.8	39.1	100.0
	Total	248	22.5	100.0	
Missing	11 Don't know	16	1.5		
	System	838	76.0		
	Total	854	77.5		
Total		1102	100.0		

Group \$SMYGO Why leave smallpox				
Dichotomy label	Name	Count	Pct of Responses	Pct of Cases
To find or take care of my children	smygo_1	15	5.9	7.7
To find or take care of my adult family	smygo_2	16	6.6	8.5
To find or take care of other people not	smygo_3	6	2.4	3.1
To find or take care of pets	smygo_4	1	.5	.6
To meet job responsibilit	smygo_5	6	2.2	2.9
To get smallpox vaccination	smygo_6	9	3.7	4.7
To get other medications	smygo_7	15	5.9	7.6
To get food or water	smygo_8	81	32.2	41.7
To get other needed supplies [specify]	smygo_9	6	2.2	2.9
Would feel safer someplace else	smygo_10	12	4.6	6.0
Do not feel the situation is dangerous	smygo_11	5	1.9	2.4
Have been vaccinated for smallpox as a c	smygo_12	1	.4	.5
Have been vaccinated for smallpox recent	smygo_13	1	.2	.3
Could avoid danger when going outside	smygo_15	4	1.5	1.9
Do not trust the advice of the authoriti	smygo_16	3	1.4	1.8
Other [specify]	smygo_17	44	17.7	22.9
Don't know	smygo_18	22	8.6	11.1
Refused	smygo_19	5	2.2	2.8
		-----	-----	-----
	Total responses	251	100.0	129.4

908 missing cases; 194 valid cases

**smkids How long if loved ones taken care of**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3 2-5 days	2	.2	7.7	7.7
	4 1 week	2	.2	8.3	16.0
	5 2 weeks	4	.4	16.8	32.7
	8 4-6 months	1	.1	3.1	35.9
	9 Indefinitely	16	1.5	64.1	100.0
	Total	25	2.3	100.0	
Missing	10 Don't know	3	.3		
	11 Refused	1	.1		
	System	1073	97.3		
	Total	1077	97.7		
Total		1102	100.0		

**smeffort How long would you wait if people brought food, water, medications?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Less than 1 day	1	.1	.7	.7
	2 1 day	1	.1	.5	1.2
	3 2-5 days	2	.2	1.0	2.2
	4 1 week	9	.8	4.2	6.4
	5 2 weeks	15	1.4	7.3	13.6
	6 One month	40	3.6	19.3	32.9
	7 2-3 months	16	1.5	7.8	40.8
	8 4-6 months	12	1.1	5.7	46.5
	9 Indefinitely	111	10.0	53.5	100.0
	Total	207	18.8	100.0	
Missing	10 Don't know	6	.5		
	System	890	80.7		
	Total	895	81.2		
Total		1102	100.0		

**boredr How difficult a problem would boredom be for you? (reverse)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Not a problem	508	46.1	58.0	58.0
	2 A slight problem	162	14.7	18.5	76.5
	3 Somewhat difficult	118	10.7	13.5	90.0
	4 Very difficult	87	7.9	10.0	100.0
	Total	876	79.5	100.0	
Missing	8 Don't know	6	.5		
	System	220	19.9		
	Total	226	20.5		
Total		1102	100.0		

**restlstr How difficult a problem would restlessness be for you? (reverse)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Not a problem	431	39.1	53.9	53.9
	2 A slight problem	160	14.5	20.0	73.9
	3 Somewhat difficult	127	11.5	15.9	89.7
	4 Very difficult	82	7.4	10.3	100.0
	Total	799	72.5	100.0	
Missing	8 Don't know	7	.6		
	System	296	26.9		
	Total	303	27.5		
Total	1102	100.0			

**food Do you have nonperishable food stored away in your home?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	384	34.8	73.0	73.0
	2 No	142	12.8	27.0	100.0
	Total	525	47.7	100.0	
Missing	8 Not sure/don't know	2	.2		
	System	575	52.2		
	Total	577	52.3		
Total	1102	100.0			

**water If tap water unavailable, do you have water stored?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	312	28.3	59.6	59.6
	2 No	212	19.2	40.4	100.0
	Total	524	47.6	100.0	
Missing	8 Not sure/don't know	3	.2		
	System	575	52.2		
	Total	578	52.4		
Total	1102	100.0			

**meds Do you have an emergency supply of medication?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	250	22.7	48.2	48.2
	2 No	196	17.8	37.8	86.0
	3 Doesn't take meds	73	6.6	14.0	100.0
	Total	519	47.1	100.0	
Missing	8 Not sure/don't know	8	.7		
	System	575	52.2		
	Total	583	52.9		
Total	1102	100.0			

**aidkit Do you have a first aid kit?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	426	38.6	81.6	81.6
	2 No	96	8.7	18.4	100.0
	Total	522	47.4	100.0	
Missing	8 Not sure/don't know	5	.5		
	System	575	52.2		
	Total	580	52.6		
Total		1102	100.0		

**emrgkit Do you have an emergency preparedness kit?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	173	15.7	33.6	33.6
	2 Incomplete	149	13.5	29.0	62.5
	3 No	193	17.5	37.5	100.0
	Total	515	46.7	100.0	
Missing	8 Not sure/don't know	2	.2		
	9 Refused	1	.1		
	System	584	53.0		
Total		587	53.3		
Total		1102	100.0		

**howlong How long could you stay at home without leaving?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 No capability for sheltering	4	.4	.4	.4
	2 1 day	13	1.2	1.3	1.7
	3 2-3 days	110	10.0	10.9	12.6
	4 4 days to 1 week	358	32.5	35.3	47.9
	5 8 days to 2 weeks	196	17.8	19.3	67.3
	6 2 weeks to 1 month	229	20.8	22.6	89.8
	7 More than 1 month	103	9.3	10.2	100.0
	Total	1013	91.9	100.0	
Missing	8 Not sure/don't know	30	2.7		
	9 Refused	1	.1		
	System	58	5.3		
Total		89	8.1		
Total		1102	100.0		

**howlong2 How long could stay at home (2 cats)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 1 week or less	486	44.1	47.9	47.9
	2 More than a week	528	47.9	52.1	100.0
	Total	1013	91.9	100.0	
Missing	8 Not sure/Don't know	30	2.7		
	9 Refused	1	.1		
	System	58	5.3		
	Total	89	8.1		
Total		1102	100.0		

**howlong4 Capacity for sheltering in home (4cat)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 3 days or less	128	11.6	12.6	12.6
	2.00 4 days to 1 week	358	32.5	35.3	47.9
	3.00 8 days to 2 weeks	196	17.8	19.3	67.3
	4.00 More than 2 weeks	332	30.1	32.7	100.0
	Total	1013	91.9	100.0	
Missing	System	89	8.1		
Total		1102	100.0		

**comm5r I feel at home in area where I live (reversed)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 strongly disagree	33	3.0	3.2	3.2
	2 somewhat disagree	38	3.5	3.7	6.9
	3 neutral	27	2.5	2.6	9.5
	4 somewhat agree	187	16.9	18.0	27.6
	5 strongly agree	751	68.1	72.4	100.0
	Total	1036	94.0	100.0	
Missing	8 no opinion/don't know	3	.2		
	9 refused	3	.3		
	System	60	5.5		
	Total	66	6.0		
Total		1102	100.0		

**comm2rr I have lot in common with people in this community (reversed)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 strongly disagree	82	7.4	8.1	8.1
	2 somewhat disagree	89	8.1	8.8	16.9
	3 neutral	75	6.8	7.4	24.3
	4 somewhat agree	338	30.6	33.3	57.6
	5 strongly agree	430	39.0	42.4	100.0
	Total	1014	92.0	100.0	
Missing	8 no opinion/don't know	27	2.4		
	System	62	5.6		
	Total	88	8.0		
Total		1102	100.0		

**comm7r I care what others in community think about my actions (reversed)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 strongly disagree	157	14.2	15.2	15.2
	2 somewhat disagree	111	10.0	10.7	25.9
	3 neutral	101	9.2	9.8	35.7
	4 somewhat agree	320	29.0	31.0	66.7
	5 strongly agree	344	31.2	33.3	100.0
	Total	1032	93.7	100.0	
Missing	8 no opinion/don't know	8	.8		
	System	62	5.6		
	Total	70	6.3		
Total		1102	100.0		

**comm10r It's very important to me to live in this area (reversed)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 strongly disagree	157	14.2	15.2	15.2
	2 somewhat disagree	174	15.8	16.8	32.0
	3 neutral	132	12.0	12.8	44.8
	4 somewhat agree	272	24.7	26.3	71.1
	5 strongly agree	299	27.2	28.9	100.0
	Total	1034	93.8	100.0	
Missing	8 no opinion/don't know	6	.5		
	9 refused	1	.1		
	System	62	5.6		
Total		68	6.2		
Total		1102	100.0		

comatch Community attachment

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Low attachment	185	16.8	18.2	18.2
	2 Medium attachment	538	48.8	52.7	70.8
	3 High attachment	298	27.0	29.2	100.0
	Total	1021	92.7	100.0	
Missing	System	81	7.3		
Total		1102	100.0		

Group \$INFOSRC Info source					
Dichotomy label	Name	Count	Pct of Responses	Pct of Cases	
Family or friends	infosrc1	162	4.7	15.6	
Local newspapers	infosrc2	165	4.8	15.9	
Local radio	infosrc3	653	19.0	62.7	
Local TV news	infosrc4	712	20.7	68.4	
National TV news	infosrc5	510	14.8	49.0	
Local Police	infosrc6	100	2.9	9.6	
Local Fire Department	infosrc7	61	1.8	5.8	
Doctors/Nurses/Health Care Providers	infosrc8	36	1.0	3.4	
Local Government Phone Line	infosrc9	61	1.8	5.8	
Home Reference Materials	infosr10	17	.5	1.7	
Church Or Community Group	infosr11	14	.4	1.4	
Fed Emergency Mgnt Agency (FEMA)	infosr12	20	.6	1.9	
Dept of Homeland Security (DHS)	infosr13	57	1.7	5.5	
Centers for Disease Control (CDC)	infosr14	10	.3	1.0	
Other Fed Agency	infosr15	38	1.1	3.6	
Internet News Site	infosr16	275	8.0	26.4	
Internet Government Site	infosr17	166	4.8	16.0	
Internet Health Site	infosr18	44	1.3	4.3	
Internet Unspecified	infosr19	231	6.7	22.3	
Other	infosr20	53	1.5	5.1	
None	infosr21	5	.2	.5	
Don't Know	infosr22	10	.3	1.0	
Refused	infosr23	3	.1	.3	
Red Cross	INFOSR25	23	.7	2.3	
Library	INFOSR26	5	.2	.5	
		-----	-----	-----	
	Total responses	3432	100.0	329.9	

62 missing cases; 1,040 valid cases

**infoprf Which would be your preferred source of information about terrorist attack?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Family or Friends	28	2.6	2.8	2.8
	2 Local Newspapers	23	2.1	2.3	5.1
	3 Local Radio	214	19.4	21.0	26.1
	4 Local TV News	338	30.7	33.1	59.2
	5 National TV News	118	10.7	11.6	70.8
	6 Local Police	23	2.1	2.3	73.0
	7 Local Fire	8	.7	.7	73.8
	8 Doctor/Nurse	7	.6	.7	74.4
	9 Local Government Phone Line	16	1.4	1.5	76.0
	10 Home Ref	0	.0	.0	76.0
	11 Church	5	.4	.5	76.4
	12 FEMA	6	.5	.5	77.0
	13 DHS	24	2.2	2.3	79.3
	14 CDC	2	.1	.2	79.5
	15 Other Feds	3	.3	.3	79.8
	16 Internet News	45	4.0	4.4	84.2
	17 Internet Other Government Site [Specify]	50	4.6	4.9	89.1
	18 Internet Health	2	.2	.2	89.4
	19 Internet Unspecified	44	4.0	4.3	93.7
	20 Other [Specify]	54	4.9	5.3	99.0
	21 None	10	.9	1.0	100.0
	Total	1020	92.6	100.0	
Missing	22 Don't Know	19	1.8		
	23 Refused	1	.1		
	System	62	5.6		
	Total	82	7.4		
Total		1102	100.0		

**info\_1 A Local News program**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Least Reliable	15	1.3	1.4	1.4
	2	7	.6	.7	2.1
	3	21	1.9	2.0	4.1
	4	29	2.6	2.8	6.9
	5	112	10.2	10.9	17.8
	6	76	6.9	7.4	25.2
	7	203	18.4	19.7	44.9
	8	282	25.6	27.4	72.3
	9	113	10.3	11.0	83.2
	10 Most Reliable	173	15.7	16.8	100.0
Total		1031	93.6	100.0	
Missing	97 N/A	1	.1		
	98 Dont' Know	8	.7		
	99 Refused	1	.1		
	System	62	5.6		
	Total	71	6.4		
Total		1102	100.0		

**info\_2 A National News program**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Least Reliable	20	1.8	1.9	1.9
	2	11	1.0	1.1	3.0
	3	10	.9	1.0	4.0
	4	20	1.8	1.9	5.9
	5	80	7.3	7.8	13.7
	6	90	8.2	8.7	22.4
	7	170	15.4	16.5	39.0
	8	274	24.8	26.5	65.5
	9	188	17.1	18.2	83.7
	10 Most Reliable	168	15.2	16.3	100.0
Total		1031	93.6	100.0	
Missing	98 Dont' Know	8	.7		
	99 Refused	1	.1		
	System	62	5.6		
	Total	71	6.4		
Total		1102	100.0		

**info\_3 Local medical professional on TV**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Least Reliable	26	2.4	2.6	2.6
	2	23	2.1	2.3	4.8
	3	20	1.8	2.0	6.9
	4	27	2.5	2.7	9.5
	5	105	9.5	10.4	19.9
	6	117	10.7	11.6	31.5
	7	171	15.5	16.9	48.4
	8	269	24.4	26.5	74.9
	9	135	12.2	13.3	88.3
	10 Most Reliable	119	10.8	11.7	100.0
Total		1012	91.8	100.0	
Missing	97 N/A	4	.3		
	98 Dont' Know	25	2.3		
	System	62	5.6		
	Total	90	8.2		
Total		1102	100.0		

**info\_4 Personal physician/Medical professional**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Least Reliable	26	2.4	2.6	2.6
	2	18	1.6	1.7	4.3
	3	20	1.8	2.0	6.3
	4	24	2.2	2.4	8.7
	5	114	10.4	11.4	20.1
	6	59	5.4	5.9	26.0
	7	145	13.2	14.5	40.4
	8	212	19.2	21.1	61.5
	9	165	15.0	16.5	78.0
	10 Most Reliable	221	20.1	22.0	100.0
Total		1004	91.2	100.0	
Missing	97 N/A	17	1.5		
	98 Dont' Know	19	1.7		
	System	62	5.6		
	Total	97	8.8		
Total		1102	100.0		

**info\_5 Local pastor/religious leader**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Least Reliable	93	8.4	10.3	10.3
	2	59	5.4	6.6	16.9
	3	52	4.7	5.8	22.7
	4	35	3.2	3.9	26.6
	5	145	13.2	16.2	42.7
	6	71	6.5	8.0	50.7
	7	100	9.1	11.2	61.9
	8	120	10.9	13.4	75.2
	9	72	6.5	8.0	83.2
	10 Most Reliable	151	13.7	16.8	100.0
Total		898	81.5	100.0	
Missing	97 N/A	118	10.7		
	98 Dont' Know	20	1.8		
	99 Refused	3	.3		
	System	62	5.6		
	Total	204	18.5		
Total		1102	100.0		

**info\_6 City Mayor**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Least Reliable	71	6.4	8.0	8.0
	2	39	3.6	4.5	12.5
	3	39	3.6	4.4	16.9
	4	38	3.4	4.3	21.1
	5	151	13.7	17.1	38.2
	6	109	9.9	12.3	50.6
	7	151	13.7	17.1	67.7
	8	162	14.7	18.4	86.1
	9	63	5.8	7.2	93.3
	10 Most Reliable	59	5.4	6.7	100.0
Total		882	80.1	100.0	
Missing	97 N/A	105	9.6		
	98 Dont' Know	46	4.2		
	99 Refused	7	.6		
	System	62	5.6		
	Total	220	19.9		
Total		1102	100.0		

**info\_7 State Governor**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Least Reliable	30	2.7	3.4	3.4
	2	37	3.4	4.2	7.6
	3	25	2.3	2.8	10.4
	4	27	2.4	3.1	13.5
	5	97	8.8	11.0	24.5
	6	97	8.8	11.0	35.5
	7	159	14.4	18.1	53.6
	8	203	18.4	23.1	76.7
	9	110	10.0	12.6	89.3
	10 Most Reliable	94	8.5	10.7	100.0
Total		878	79.7	100.0	
Missing	97 N/A	126	11.4		
	98 Dont' Know	28	2.5		
	99 Refused	9	.8		
	System	62	5.6		
	Total	224	20.3		
Total		1102	100.0		

**info\_8 US Surgeon General**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Least Reliable	25	2.2	2.5	2.5
	2	27	2.4	2.7	5.1
	3	26	2.4	2.6	7.8
	4	25	2.3	2.5	10.3
	5	91	8.2	9.1	19.4
	6	89	8.1	8.9	28.3
	7	125	11.4	12.6	40.9
	8	250	22.7	25.1	66.0
	9	169	15.4	17.0	83.0
	10 Most Reliable	170	15.4	17.0	100.0
Total		997	90.5	100.0	
Missing	97 N/A	1	.1		
	98 Dont' Know	41	3.7		
	99 Refused	2	.2		
	System	62	5.6		
	Total	105	9.5		
Total		1102	100.0		

**info\_9 President of the US**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Least Reliable	114	10.3	11.1	11.1
	2	40	3.6	3.9	15.1
	3	34	3.1	3.3	18.4
	4	47	4.3	4.6	23.0
	5	100	9.1	9.8	32.8
	6	56	5.1	5.5	38.3
	7	115	10.4	11.2	49.5
	8	154	14.0	15.1	64.6
	9	152	13.8	14.9	79.5
	10 Most Reliable	209	19.0	20.5	100.0
Total		1022	92.7	100.0	
Missing	97 N/A	1	.1		
	98 Dont' Know	10	.9		
	99 Refused	7	.7		
	System	62	5.6		
	Total	80	7.3		
Total		1102	100.0		

**info\_10 Office of Homeland Security**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Least Reliable	51	4.7	5.0	5.0
	2	33	3.0	3.2	8.2
	3	30	2.8	3.0	11.2
	4	35	3.2	3.4	14.6
	5	103	9.4	10.1	24.7
	6	59	5.4	5.8	30.5
	7	127	11.6	12.4	42.9
	8	195	17.7	19.0	61.9
	9	171	15.6	16.7	78.7
	10 Most Reliable	218	19.8	21.3	100.0
Total		1024	92.9	100.0	
Missing	98 Dont' Know	16	1.5		
	99 Refused	1	.1		
	System	62	5.6		
	Total	78	7.1		
Total		1102	100.0		

**knowzip9 Do you know your 9-digit zipcode?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	292	26.5	28.8	28.8
	2 No	723	65.6	71.2	100.0
	Total	1015	92.1	100.0	
Missing	8 Not sure/don't know	7	.6		
	9 Refused	2	.2		
	System	79	7.1		
	Total	87	7.9		
Total		1102	100.0		

**evacloc If evacuation recommended, where would you go?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Friend or Relative's Home Just Outside Area	112	10.2	14.4	14.4
	2 Public Shelter Just Outside of Area	37	3.3	4.7	19.1
	3 Friend or Relative's Home Within 20 mi	66	6.0	8.5	27.6
	4 Public Shelter Within 20 mi	23	2.0	2.9	30.5
	5 Friend or Relative's Home +20 mi beyond	422	38.3	54.2	84.8
	6 Public Shelter +20 mi beyond	46	4.2	6.0	90.7
	7 Other	20	1.8	2.6	93.3
	8 Would Not Evacuate (vol.)	6	.6	.8	94.1
	9 As far away as possible, no place specific (vol.)	13	1.2	1.7	95.7
	10 Another remote location (hotel, vacation home, etc.) (vol.)	33	3.0	4.3	100.0
	Total	779	70.7	100.0	
Missing	98 Don't Know	1	.1		
	System	322	29.2		
	Total	323	29.3		
Total		1102	100.0		

**evacloc1 evacuation location**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 To a friend or relative's home	634	57.5	85.7	85.7
	2 To a public shelter	106	9.6	14.3	100.0
	Total	740	67.1	100.0	
Missing	System	362	32.9		
Total		1102	100.0		

**evacloc2 evacuation distance**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Just outside the evacuated area	149	13.5	19.8	19.8
	2 Within twenty miles of the evacuated area	89	8.1	11.8	31.6
	3 Beyond twenty miles of the evacuated area	515	46.7	68.4	100.0
	Total	753	68.3	100.0	
Missing	System	349	31.7		
Total		1102	100.0		

**meeting Does family have emergency meeting place?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	172	15.6	23.2	23.2
	2 No	570	51.7	76.8	100.0
	Total	742	67.4	100.0	
Missing	7 Not Applicable/No Family	44	4.0		
	8 Not Sure	4	.4		
	System	311	28.3		
	Total	360	32.6		
Total		1102	100.0		

**vehicle Does household own motor vehicle?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	944	85.6	90.9	90.9
	2 No	95	8.6	9.1	100.0
	Total	1038	94.2	100.0	
Missing	System	64	5.8		
Total		1102	100.0		

**airborne If asked to evacuate, more likely to respond to distance or zipcode?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Distance	285	25.9	48.5	48.5
	2 Zip Code	302	27.4	51.5	100.0
	Total	587	53.3	100.0	
Missing	8 Not Sure	97	8.8		
	9 Refused	4	.4		
	System	414	37.6		
Total		515	46.7		
Total		1102	100.0		

**employcat7 employment**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Working full time	639	58.0	61.6	61.6
	2 Working part time	89	8.1	8.6	70.2
	3 Looking for work	34	3.0	3.2	73.4
	4 Homemaker	48	4.4	4.7	78.1
	5 Retired	169	15.3	16.3	94.4
	6 Student	48	4.3	4.6	99.0
	7 Other	11	1.0	1.0	100.0
	Total	1038	94.2	100.0	
Missing	9 Refused	9	.9		
	System	55	5.0		
	Total	64	5.8		
Total		1102	100.0		

**agecat5 age: 5 categories**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 18-25	73	6.6	7.4	7.4
	2 26-37	256	23.3	26.2	33.6
	3 38-49	239	21.7	24.4	58.0
	4 50-64	255	23.1	26.0	84.0
	5 65 and over	156	14.2	16.0	100.0
	Total	980	88.9	100.0	
Missing	System	122	11.1		
Total		1102	100.0		

**marital Marital Status**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Married	557	50.5	54.9	54.9
	2 Separated	24	2.1	2.3	57.2
	3 Divorced	96	8.7	9.4	66.7
	4 Widowed	64	5.8	6.3	72.9
	5 Never Married	275	24.9	27.1	100.0
	Total	1014	92.0	100.0	
Missing	9 Refused	23	2.1		
	System	64	5.9		
	Total	88	8.0		
Total		1102	100.0		

**religus Do you attend religious services?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	637	57.8	62.5	62.5
	2 No	383	34.7	37.5	100.0
	Total	1020	92.6	100.0	
Missing	9 Refused	17	1.5		
	System	64	5.9		
	Total	82	7.4		
Total		1102	100.0		

**freqrelr How often do you attend religious services? (reversed)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Less than 1 a Yr or Never	2	.2	.4	.4
	2 Once A Year	9	.8	1.6	2.0
	3 A Few Times Per Year	104	9.4	18.6	20.6
	5 Twice Per Month	107	9.7	19.1	39.7
	6 Once Per Week	239	21.7	42.7	82.5
	7 More Than Once Per Week	95	8.6	16.9	99.4
	8 Daily	4	.3	.6	100.0
	Total	559	50.7	100.0	
Missing	System	543	49.3		
Total		1102	100.0		

**jobtype Type of job employed in**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 A private company	326	29.6	46.8	46.8
	2 A non-profit organization	94	8.5	13.5	60.3
	3 The federal government	150	13.6	21.5	81.8
	4 The state government	36	3.3	5.2	87.0
	5 Local government	41	3.8	6.0	93.0
	6 Your own business, farm, etc.	49	4.4	7.0	100.0
	Total	695	63.1	100.0	
Missing	8 Don't know	12	1.1		
	9 Refused	8	.7		
	System	386	35.1		
	Total	406	36.9		
Total		1102	100.0		

**duty Ever served in the U.S. military**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Current active duty	31	2.8	3.1	3.1
	2 Current reserve duty	10	.9	1.0	4.1
	3 Past military service	129	11.7	12.6	16.6
	4 Never in military	854	77.5	83.4	100.0
	Total	1025	93.0	100.0	
Missing	8 Don't know	1	.1		
	9 Refused	10	.9		
	System	66	6.0		
	Total	77	7.0		
Total		1102	100.0		

**educ Highest level of education**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Elementary School Only	11	1.0	1.1	1.1
	2 Some High School	24	2.2	2.4	3.5
	3 Completed HS	157	14.3	15.4	18.9
	4 Some College	123	11.1	12.0	30.9
	5 A.A./A.S.	78	7.1	7.7	38.6
	6 B.A./B.S.	271	24.6	26.6	65.2
	7 Some Grad Work	42	3.8	4.1	69.2
	8 Masters or Pro Degree	238	21.6	23.3	92.5
	9 Adv Grad Work or Ph.D.	76	6.9	7.5	100.0
	Total	1020	92.6	100.0	
Missing	10 Don't Know	2	.2		
	11 Refused	13	1.2		
	System	66	6.0		
	Total	82	7.4		
Total		1102	100.0		

**income Household income**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Less Than 15 Thousand	38	3.4	4.5	4.5
	2 Fifteen to 35 Thousand	100	9.1	11.8	16.2
	3 Thirty-Five to 50 Thousand	115	10.5	13.6	29.8
	4 Fifty to 75 Thousand	163	14.8	19.2	49.1
	5 75 to 100 Thousand	137	12.4	16.2	65.2
	6 100 Thousand to 150 Thousand	176	15.9	20.7	86.0
	7 150 Thousand to 250 Thousand	96	8.7	11.3	97.3
	8 Over 250 thousand	23	2.1	2.7	100.0
	Total	848	77.0	100.0	
Missing	10 Don't Know	22	2.0		
	11 Refused	166	15.0		
	System	66	6.0		
	Total	254	23.0		
Total		1102	100.0		

**lang Does anyone in household have trouble communicating in English?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	50	4.5	4.9	4.9
	2 No	979	88.9	95.1	100.0
	Total	1029	93.4	100.0	
Missing	9 Refused	6	.6		
	System	66	6.0		
	Total	73	6.6		
Total		1102	100.0		

**hispanic Are you Hispanic?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	67	6.1	6.5	6.5
	2 No	957	86.9	93.5	100.0
	Total	1024	92.9	100.0	
Missing	8 Not sure/don't know	1	.1		
	9 Refused	11	1.0		
	System	66	6.0		
Total		78	7.1		
Total		1102	100.0		

**mideast Are you of Middle Eastern or Arab origin?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	22	2.0	2.2	2.2
	2 No	996	90.4	97.8	100.0
	Total	1019	92.4	100.0	
Missing	8 Unsure [Give Details]	4	.4		
	9 Refused	12	1.1		
	System	66	6.0		
Total		83	7.6		
Total		1102	100.0		

**race Racial category that best describes you**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 White/European	640	58.1	61.8	61.8
	2 African American /Black	271	24.6	26.2	88.0
	3 Pakistani or East Indian	18	1.7	1.8	89.7
	4 Other Asian	48	4.4	4.6	94.4
	5 American Indian	6	.6	.6	95.0
	6 Pacific Islander	9	.8	.9	95.9
	7 Other [Specify]	43	3.9	4.1	100.0
	Total	1035	94.0	100.0	
Missing	System	66	6.0		
Total		1102	100.0		

**lstphone Is your phone listed or unlisted?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Listed	700	63.5	73.3	73.3
	2 Unlisted	255	23.1	26.7	100.0
	Total	955	86.7	100.0	
Missing	8 Don't Know	66	6.0		
	9 Refused	14	1.3		
	System	66	6.0		
	Total	147	13.3		
Total		1102	100.0		

**ynolist Is your number unlisted by choice?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Not Yet in Directory	30	2.8	12.0	12.0
	2 Unlisted Intentionally	222	20.1	88.0	100.0
	Total	252	22.9	100.0	
Missing	8 Don't Know	3	.3		
	System	847	76.9		
	Total	850	77.1		
Total		1102	100.0		

**gender Resondents gender**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 male	484	43.9	46.7	46.7
	2 female	552	50.1	53.3	100.0
	Total	1035	94.0	100.0	
Missing	System	66	6.0		
Total		1102	100.0		

**Appendix E:**  
**List of Variables**



## Appendix E

### List of Variables

CSR Name	Description
COUNTY	Which city or county do you live in?
DCLIVE	How long have you lived in capitol area?
LOCALCOM	How long have you lived in your community?
FIVEYEAR	Would you like to be in the same community five years from now?
HOMEOWN	Do you own your own home, or are you renting?
KINDHOME	What kind of place are you living in?
STORIES	How many stories does your building have?
AREA	How would you describe the area where you live?
NEIGHBOR	About how many neighbors do you know on first-name basis?
CLOSEREL	Do you have any close relatives within walking distance of your home?
DRIVEREL	Do you have any close relatives within 15 minutes drive of your home?
ADULTS	How many people age 18 and older stay in your household?
CHILD	Are there any children under 18 years of age living in your home?
UNDER6	How many children are 5 years of age or younger?
SIXUP	How many children are ages 6 to 12?
TEENS	How many children are ages 13 to 17?
PETS	Do you have any pets at home?
PETTYPE1	Pet: Dog?
PETTYPE2	Pet: Cat?
PETTYPE3	Pet: Other mammal?
PETTYPE4	Pet: Bird?
PETTYPE5	Pet: Reptile?
PETTYPE6	Pet: Fish?
PETTYPE7	Other type of pet: Specify
PETTYPE8	No pets
PETTYPE9	Don't know/Refused
GOVT_1	Confidence in electricity?
GOVT_2	Confidence in natural gas?
GOVT_3	Confidence in public water?
GOVT_4	Confidence in cell phone?
GOVT_5	Confidence in home phone?
GOVT_6	Confidence in local broadcast TV?
GOVT_7	Confidence in cable TV?
GOVT_8	Confidence in internet?
GOVT_9	Confidence in radio?
GOVT_10	Confidence in public transportation?
GOVT_11	Confidence in highways?
GOVT_12	Confidence in health care?
GOVT_13	Confidence in banks and financial institutions?
CONFID	Do experiences in previous crises make you more or less confident?

A SURVEY OF CITIZEN RESPONSE TO POTENTIAL CRITICAL INCIDENTS

SHOPINF1	How likely would obtain info about terrorist attack from screen in mall?
SHOPINF2	How likely would you use Red Cross information booth in shopping mall?
FOLLOW	In terrorist attack, I would strictly follow government instructions.
USASAFE	Who is most responsible for protecting US from terrorist attack?
TAXES	Willing to pay more tax to protect against terrorism?
MONEY	Believe government spends too much time and money on anti-terrorism?
INCONV	Willing to experience more inconvenience to protect against terrorism?
RIGHTS	Government has taken away too many individual rights
PATACT1	Are you familiar with the Patriot Act?
PATACT2	Do you feel the Patriot Act should be renewed, revised, allowed to expire?
DBKNOW	Know difference between dirty and atomic bomb before today?
DBSTAYGO	Would you stay at home or leave immediately?
DBHWLONG	How long would you be willing to remain at home?
DBYGO_1	I would leave to find or take care of my children.
DBYGO_2	I would leave to find or take care of my adult family members.
DBYGO_3	I would leave to find or take care of other people not in my family.
DBYGO_4	I would leave to find or take care of pets.
DBYGO_5	I would leave to meet job responsibilities.
DBYGO_6	I would leave to get medications.
DBYGO_7	I would leave to get food or water.
DBYGO_8	I would leave to get other needed supplies: specify.
DBYGO_9	I would leave because I feel safer someplace else?
DBYGO_10	I would leave because I do not feel the situation is dangerous.
DBYGO_11	I would leave because I am not concerned about getting cancer.
DBYGO_12	I would leave because I could avoid danger when going outside.
DBYGO_13	I would leave because I do not trust the advice of the authorities.
DBYGO_14	Other: specify
DBYGO_15	Don't know
DBYGO_16	Refused to answer
DBYGO_17	No more responses; proceeded on.
DBKIDS	How long would you stay at home if your loved ones were safe there?
DBEFFORT	Would you stay at home if people could bring food, water, or medications?
DBNEEDS	Are there other needs that would help you stay at home for 48 hours?
EMPLOY	What is your employment status?
INDOORS	Do you work primarily indoors?
PICKBDG	Think of a building NOT your home where you spend time.
DB2STYGO	Would you stay in the building or leave immediately?
DB2HWLG	How long would you remain in the building?
DB2YGO_1	I would leave to find or take care of my children.
DB2YGO_2	I would leave to find or take care of my adult family members.
DB2YGO_3	I would leave to find or take care of other people not in my family.
DB2YGO_4	I would leave to find or take care of pets.
DB2YGO_5	I would leave to meet job responsibilities.
DB2YGO_6	I would leave to get medications.
DB2YGO_7	I would leave to get food or water.
DB2YGO_8	I would leave to get other needed supplies: specify.
DB2YGO_9	I would leave because I feel safer someplace else?
DB2YGO_10	I would leave because I do not feel the situation is dangerous.
DB2YGO_11	I would leave because I am not concerned about getting cancer.

DB2YGO_12	I would leave because I could avoid danger when going outside.
DB2YGO_13	I would leave because I do not trust the advice of the authorities.
DB2YGO_14	Other: specify
DB2YGO_15	Don't know
DB2YGO_16	Refused to answer
DB2YGO_17	No more responses; proceeded on.
DB2PLAN	Would you stay if the building had plans to keep people fed and safe?
DB2KIDS	How long would you stay at home if your loved ones were safe there?
DB2EFORT	How long willing to stay in building if people bring food, water, medications?
DB2NEEDS	Are there other needs that would help you stay in this building for 48 hours?
SMDO	Where would you go if thought community scene of smallpox epidemic?
SMSTAYGO	What would you do in response to smallpox epidemic?
GOWHERE1	Where would you go?
GOWHERE2	How far away is the place you would go?
GOWHERE3	What makes this place preferable to staying at home?
SMHOWLNG	How long would you be willing to remain at home in this situation?
SMYGO_1	I would leave to find or take care of my children.
SMYGO_2	I would leave to find or take care of my adult family members.
SMYGO_3	I would leave to find or take care of other people not in my family.
SMYGO_4	I would leave to find or take care of pets.
SMYGO_5	I would leave to meet job responsibilities.
SMYGO_6	I would leave to get a smallpox vaccination.
SMYGO_7	I would leave to get medications.
SMYGO_8	I would leave to get food or water.
SMYGO_9	I would leave to get other needed supplies: specify.
SMYGO_10	I would leave because I feel safer someplace else?
SMYGO_11	I would leave because I do not feel the situation is dangerous.
SMYGO_12	I would leave because I was vaccinated for smallpox as a child?
SMYGO_13	I would leave because I was vaccinated for smallpox recently?
SMYGO_14	I would leave because I don't care about getting smallpox.
SMYGO_15	I would leave because I could avoid danger when going outside.
SMYGO_16	I would leave because I do not trust the advice of the authorities.
SMYGO_17	Other: specify
SMYGO_18	Don't know
SMYGO_19	Refused to answer
SMYGO_20	No more responses; proceeded on.
SMKIDS	How long would you stay at home if your loved ones were safe there?
SMEFFORT	How long wait for all clear if people bring food, water, medications?
SMNEEDS	Are there other needs that would help you stay at home for 4 weeks?
BORED	How difficult a problem would boredom be for you?
RESTLS	How difficult a problem would restlessness be for you?
FOOD	Do you have extra, nonperishable food stored away in your home?
FOODDAY	How many days do you think the food would last?
WATER	If tap water became unavailable, do you have extra water stored?
WATERDAY	How many days do you think the water would last?
MEDS	Do you have an emergency supply of medication?
AIDKIT	Do you have a first aid kit?
EMRGKIT	Do you have an emergency preparedness kit?
HOWLONG	How long could you stay at home without leaving?

A SURVEY OF CITIZEN RESPONSE TO POTENTIAL CRITICAL INCIDENTS

COMM5	I feel at home in the area where I live.
COMM2R	I have lot in common with people who live in this community.
COMM7	I care what others in my community think of my actions.
COMM10	It's very important to me to live in this area.
INFOSRC1	Source of information: family or friends
INFOSRC2	Source of information: local newspapers
INFOSRC3	Source of information: local radio
INFOSRC4	Source of information: local TV news
INFOSRC5	Source of information: national TV news
INFOSRC6	Source of information: local police
INFOSRC7	Source of information: local fire department
INFOSRC8	Source of information: doctors/nurses or other health care providers
INFOSRC9	Source of information: local government phone line
INFOSR10	Source of information: home reference materials
INFOSR11	Source of information: church or community group
INFOSR12	Source of information: FEMA
INFOSR13	Source of information: Department of Homeland Security
INFOSR14	Source of information: Centers for Disease Control
INFOSR15	Source of information: Other Federal agency
INFOSR16	Source of information: internet news site
INFOSR17	Source of information: internet government site
INFOSR18	Source of information: internet health site
INFOSR19	Source of information: internet unspecified
INFOSR20	Source of information: other (specify)
INFOSR21	Source of information: none
INFOSR22	Source of information: don't know
INFOSR23	Source of information: refused
INFOSR24	Source of information: no other
INFOPRF1	Preferred source of information: family or friends
INFOPRF2	Preferred source of information: local newspapers
INFOPRF3	Preferred source of information: local radio
INFOPRF4	Preferred source of information: local TV news
INFOPRF5	Preferred source of information: national TV news
INFOPRF6	Preferred source of information: local police
INFOPRF7	Preferred source of information: local fire department
INFOPRF8	Preferred source of information: doctors/nurses/other health care providers
INFOPRF9	Preferred source of information: local government phone line
INFOPR10	Preferred source of information: home reference materials
INFOPR11	Preferred source of information: church or community group
INFOPR12	Preferred source of information: FEMA
INFOPR13	Preferred source of information: Department of Homeland Security
INFOPR14	Preferred source of information: Centers for Disease Control
INFOPR15	Preferred source of information: Other Federal agency
INFOPR16	Preferred source of information: internet news site
INFOPR17	Preferred source of information: internet government site
INFOPR18	Preferred source of information: internet health site
INFOPR19	Preferred source of information: internet unspecified
INFOPR20	Preferred source of information: other (specify)
INFOPR21	Preferred source of information: none

INFOPR22	Preferred source of information: don't know
INFOPR23	Preferred source of information: refused
INFO_1	Reliable source of information: family or friends
INFO_2	Reliable source of information: local newspapers
INFO_3	Reliable source of information: local radio
INFO_4	Reliable source of information: local TV news
INFO_5	Reliable source of information: national TV news
INFO_6	Reliable source of information: local police
INFO_7	Reliable source of information: local fire department
INFO_8	Reliable source of information: doctors/nurses/other health care providers
INFO_9	Reliable source of information: local government phone line
INFO_10	Reliable source of information: home reference materials
INFO_11	Reliable source of information: church or community group
INFO_12	Reliable source of information: FEMA
INFO_13	Reliable source of information: Department of Homeland Security
INFO_14	Reliable source of information: Centers for Disease Control
INFO_15	Reliable source of information: Other Federal agency
INFO_16	Reliable source of information: internet news site
INFO_17	Reliable source of information: internet government site
INFO_18	Reliable source of information: internet health site
INFO_19	Reliable source of information: internet unspecified
INFO_20	Reliable source of information: other (specify)
INFO_21	Reliable source of information: none
INFO_22	Reliable source of information: don't know
INFO_23	Reliable source of information: refused
ZIPCODE	What is your zip code?
KNOWZIP9	Do you know your nine-digit zip code without looking it up?
EVACLOC	If evacuation recommended, where would you go?
MEETING	Does your family have emergency meeting place?
VEHICLE	Does your household own motor vehicle?
AIRBORNE	If asked to evacuate, more likely to respond to distance or zip code?
EMPLOY2	Working full time, part time, looking for work, homemaker, retired, student?
YRBORN	What year were you born?
MARITAL	What is your marital status?
RELIGUS	Do you attend religious services?
FREQREL	How often do you attend religious services?
JOBTYPE	In what type of job are you employed?
DUTY	Have you ever served in the U.S. military?
EDUC	What is the highest level of education you completed?
INCOME	What is your annual household income?
LANG	Does anyone in your household have trouble communicating in English?
HISPANIC	Do you consider yourself to be Hispanic?
MIDEAST	Do you consider yourself to be of Middle Eastern or Arab origin?
RACE	What racial category best describes you?
LSTPHONE	Is your telephone number listed or unlisted?
YNOLIST	Is your number unlisted by choice?
GENDER	Respondent's gender

