

Pine Bluff CSEPP Public Outreach Survey Report

Survey collected: May 21–31, 2007

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Homeland
Security

Prepared For

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Executive Summary

Over the past several years, the Pine Bluff Chemical Stockpile Emergency Preparedness Program (CSEPP) community has been committed to providing proper resources and information to residents in the Pine Bluff area in order to ensure public safety and awareness. As part of CSEPP's continued effort, a survey has been conducted annually in order to assess the levels of emergency awareness and preparedness in the Pine Bluff CSEPP community. Information gathered in these surveys is used to evaluate the success of past public outreach efforts and to set new goals for the future. Key findings of the May 2007 survey are provided in this executive summary.

In order to compare results and effectively track trends over time, the methodology for the 2007 survey has been consistent with the methodology for the surveys conducted in 2005 and 2006. In May 2007, 1,114 residents within the emergency planning zone (EPZ) of the Pine Bluff Arsenal participated in the CSEPP survey through a telephone interview. Of these 1,114 respondents, 356 reside in the immediate response zone (IRZ) and 758 reside in the protective action zone (PAZ). Some survey results provided are partitioned by EPZ as well as by county. The EPZ-county groups included in the 2007 survey are listed below.

- Grant County IRZ
- Grant County PAZ
- Jefferson County IRZ
- Jefferson County PAZ
- Arkansas County PAZ
- Cleveland County PAZ
- Dallas County PAZ
- Lincoln County PAZ
- Lonoke County PAZ
- Pulaski County PAZ
- Saline County PAZ

Key Findings

This section highlights the key survey results. All tabulated responses are provided in Appendix A: Pine Bluff CSEPP Survey Tabulations and Appendix B: Pine Bluff CSEPP Emergency Planning Zone Cross Tabulations of this report.

Awareness of Chemical Agents

- 89% of all residents say they are aware of the chemical agents at the Pine Bluff Arsenal.
 - 93% of IRZ residents say they are aware of the chemical agents.
 - 88% of PAZ residents say they are aware of the chemical agents.

Concern for Emergencies

- 78% of all residents are concerned about a tornado.
- 59% are concerned of a chemical emergency at the Pine Bluff Arsenal.
- 35% are concerned about an earthquake.
- 31% are concerned about a flood.

Emergency Preparedness

- 37% of all residents say they have a family emergency plan for a chemical emergency.
- 93% are familiar with the major roads and highways in the area.
- 40% have a family meeting place in the event of an emergency.
- 36% of the residents have a disaster supply kit.
- 17% of the respondents indicate they have a shelter-in-place kit.
- 51% of IRZ residents say they have a Tone Alert Radio (TAR). 44% of IRZ residents say they have a TAR and it is plugged in.
- 66% have an out-of-area telephone contact.
- 72% say the gas tank of their car is at least half-full at all times.
- 65% of all residents agree that they would be able to protect themselves and their families during a chemical emergency. The same number (65%) of IRZ residents and PAZ residents agree they can protect themselves and their families.
- More than half of the residents (52%) indicate they would evacuate when asked what action they would take if they found out there was a chemical emergency at the Pine Bluff Arsenal.

Alert and Notification

- The top responses of all residents regarding how they expect to be alerted of a chemical emergency are: Television (49%), siren (29%), AM/FM radio (29%), and tone alert radio (TAR, 14%).
- The top two responses for all residents regarding how they expect to receive additional instructions during a chemical emergency are AM/FM radio (33%) and Television (32%).

- 77% of all residents are confident that they would be notified quickly in the event of a chemical emergency.

Evacuate

- The top responses to what actions residents intend to take when instructed to evacuate are: Leave home or workplace (53%); follow instructions (22%), follow the evacuation route (19%), and get personal items (20%).
- Slightly more than 2% of all residents say they would not evacuate when instructed to do so in the case of a chemical emergency.

Shelter-In-Place

- 57% of all residents are confident they know how to shelter in place. This has increased by 6 percentage points since the May 2006 survey.
- The top responses to what actions residents intend to take when instructed to shelter in place are: Go inside or stay inside your home or workplace (29%); Go into shelter room of your home/workplace (20%), close doors and windows (25%), don't know (16%), and seal doors and windows of shelter room (12%).
- The top responses to how residents expect to be notified when it is safe to stop sheltering in place are: AM/FM radio (39%), Television (35%), don't know (22%), and tone alert radio (TAR, 13%).
 - 22% of the PAZ residents indicate they do not know how they would be notified when it is safe to shelter in place. This has increased by 5 percentage points since the last survey.

School Preparedness (K–12)

- 46% of parents are familiar with the emergency plan at their children's school.
- 58% of IRZ residents say they are familiar with the school's emergency plan.
- 72% of parents are confident their children will be safe in the care of their school during a chemical emergency.
- 75% of parents are likely to get their children from school during a chemical emergency.
 - 62% of the total parents indicate that they would pick up their children immediately whereas 38% of parents say they would get them once they are notified it is safe to do so.

CSEPP Outreach Information

- 69% of residents say they have received some type of CSEPP outreach information. This has increased by 5 percentage points since the surveys conducted in May 2006 (64%).

- The top responses for all residents regarding how they would prefer to receive information to prepare them for a chemical emergency are: Television (60%); AM/FM radio (38%); and direct mail (36%).
- The top two responses for what residents could recall from what they had heard, seen, or read from the CSEPP information are: evacuation route (24%), and be prepared (17%).

Conclusions and Recommendations

Over the last two years, CSEPP outreach in Pine Bluff has been mainly centered around CSEPP awareness. During that time, there have been vast improvements in public knowledge of CSEPP as well as an awareness level of protective actions. Local officials are generally satisfied with the public outreach campaign strategies thus far in marketing the appropriate messages and providing the public with information necessary for a better understanding of the program.

Having met the initial goal of CSEPP public awareness, recent surveys show that the focus should now shift toward promoting specific steps such as Shelter-In-Place (SIP) and protective actions. The current focal point of ad campaigns are the aforementioned areas.

In contrast to previous survey reports, this report will still provide key information as previously reports did, but in a slightly different format. As situations change with public opinion and feedback from field PIOs on the process, the structure of the recommendations has been enhanced. In order to provide measurable results, valid comparisons, and pertinent recommendations, the format of the Conclusions and Recommendations section of this report will change slightly from its current structure.

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Introduction

In May 2007, a Chemical Stockpile Emergency Preparedness Program (CSEPP) survey was conducted throughout the Emergency Planning Zone (EPZ) of the Pine Bluff Arsenal CSEPP site in Pine Bluff, Arkansas. Public outreach surveys are part of a continuing effort to evaluate public awareness and preparedness in the unlikely event of a chemical emergency. Information gathered regarding the levels of emergency preparedness in the Pine Bluff community can be used to measure the impact of past public outreach efforts in the area, as well as to set future public outreach goals. Results from the May 2007 survey are presented in this document.

The objectives and contents of the survey have been developed by the National CSEPP Public Affairs IPT, with assistance from IEM. Also, local authorities and the Pine Bluff community have been involved in the development of several site-specific questions for the survey.

Results from the Pine Bluff survey provide insight to residents' awareness and concern for chemical agents being stored at the arsenal, their ability to protect themselves with appropriate protective actions (i.e. shelter-in-place, evacuation), levels of trust, and preferred lines of communication. Where appropriate, data from 2007 is compared to data from the previous survey in May 2006 in order to track the progress of outreach efforts. Finally, demographic information collected is used to delineate target populations, which can greatly influence the effectiveness of future public outreach.

This survey report contains the following sections:

- **Methodology** – Describes the methodology that was used to design, conduct, and analyze the 2007 survey
- **Survey Results** – Details the important survey results that were found in the analysis
- **Recommendations** – Provides recommendations for public outreach based on the survey findings
- **Appendices** – Contain all tabulations and cross tabulations of the survey results

Methodology

Questionnaire Development

The CSEPP Public Affairs IPT developed the core questions contained in the Pine Bluff EPZ telephone survey. Bill Bischof, with the Department of Homeland Security, has also been instrumental in the questionnaire design, along with other PIOs in the Pine Bluff community. IEM personnel assisted with developing site-

specific questions. The result of this collaboration was a questionnaire that contained both CSEPP Public Affairs IPT core questions and site-specific questions.

Conducting the Survey

To achieve a representative sample of adults living in the emergency planning zone (EPZ), respondents were randomly selected to participate in the survey. IEM worked closely with the company that provided the telephone numbers for the survey, Genesys Sampling, to ensure that there was a minimal likelihood that residents would be surveyed outside of the EPZ area. The Pine Bluff EPZ survey includes responses from residents with both listed and unlisted phone numbers. CR Dynamics Inc. fielded the telephone survey and provided data to IEM for analysis.

IEM over-sampled residents living in several counties in the Pine Bluff EPZs in order to make valid statistical comparisons with the survey results. As a result, the raw data from the May 2007 survey was weighted by county and EPZ so that the sample proportions were consistent with the true population proportions. For instance, there were 34 completed surveys in Arkansas County, which were weighted back to represent approximately 1% of the total sample. This is consistent with the fact that Arkansas County residents are approximately 1% of the EPZ population according to 2000 U.S. Census data.

Calls were conducted in the early evening hours. Only residents 18 years of age and older were allowed to participate in the survey. To ensure that the highest quality of work was performed, a quality assurance plan was implemented in this survey process that included revisions for increased call-taker training, telephone monitoring by IEM, and extensive data quality control checks.

Survey Analysis

Margin of Error

There were 1,114 residents sampled via telephone survey within the Pine Bluff EPZ. This survey has a margin of error of ± 3.4 percentage points with a 95% confidence level. This means that IEM is 95% confident that the true proportions for these survey questions are within ± 3.4 percentage points of the reported proportions in this document. Therefore, for survey tabulations, a difference of approximately 7 percentage points or greater is a valid statistical difference. This margin of error is consistent with previous survey efforts.

It is important to note that for percentages reported for subgroups in the cross tabulations a difference of at least 7 percentage points does not guarantee that the difference is statistically significant. We performed further analyses to determine statistical significance as described in the section below.

Logistic Regression

Logistic regression was used to analyze the relationship between subgroups of survey respondents (e.g., gender, Internet access, resident's emergency planning zone) and their responses to each of the survey questions. For each question, a table of the variables considered in the statistical analysis is provided in Appendix B: Pine Bluff CSEPP Emergency Planning Zone Cross Tabulations.

All variables in the analyses were considered as categorical variables. Stepwise selection was used along with a p-value of 0.05 to determine which explanatory variables entered and stayed in the model. After a general model was found to be significant at the 0.05 level for each survey question, further analyses (i.e., contrasts) were performed to investigate if the individual subgroup levels (e.g., male vs. female) were statistically different from one another. Again, 0.05 was used as the criterion for statistical significance. The statistical analysis was conducted only between levels that differed by more than the margin of error (i.e. 7 percentage points).

Statistically significant results from the logistic analyses are presented in this report.

Geography and Population

The region surrounding the Pine Bluff CSEPP site is divided into emergency planning zones (EPZs). Emergency planning zones are separated into the Immediate Response Zone (IRZ), which is the area closest to the Army installation, and the Protective Action Zone (PAZ), which is the area surrounding the IRZ. (See Figure 1.) According to the 2000 Census Bureau data, the actual population proportions of the Pine Bluff EPZs show 13% of residents reside in the IRZ (within Jefferson and Grant Counties) and 87% reside in the PAZ. Survey results for the total sample of survey respondents were weighted to reflect the true population distribution.

Some survey responses in this report are partitioned by county. The county-specific results only refer to the portion of the county within the Pine Bluff EPZs. For this report, we will refer to residents as residing in one of the following groups:

- Grant County IRZ
- Grant County PAZ
- Jefferson County IRZ
- Jefferson County PAZ
- Arkansas County PAZ
- Cleveland County PAZ
- Dallas County PAZ
- Lincoln County PAZ

- Lonoke County PAZ
- Prairie County PAZ
- Pulaski County PAZ
- Saline County PAZ

We will refer to them collectively as the County-EPZ groups.

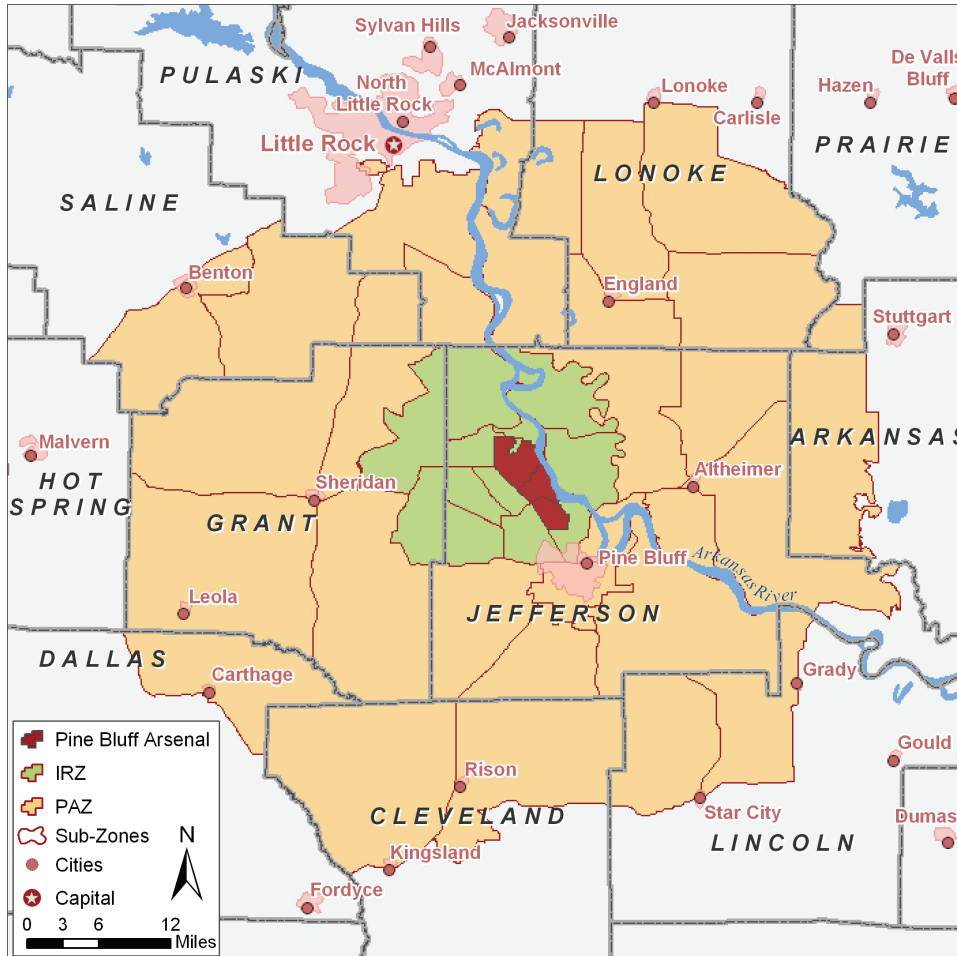


Figure 1: Map of the Pine Bluff Emergency Planning Zones

What county do you live in? (S4); What city do you live in or closest to? (S5)

Table 1 provides three columns of values for each county included in the survey. Table 2 provides these same values for each city, town, or community included in the survey. Column 2 (labeled Raw Frequency) refers to the actual number of surveys completed for each subgroup. Column 3 (Raw Percentage) refers to the actual percentage of surveys completed for each subgroup. Column 4 (Weighted Percentage) is calculated by adjusting the sample proportions for each County-EPZ combination to be consistent with the true population proportions according to the 2000 Census Bureau.

Table 1: Responses to Question S4

Response	Raw Frequency¹ May 2007	Raw Percentage² May 2007	Weighted Percentage³ May 2007
Arkansas County	30	3%	1%
Cleveland County	31	3%	3%
Dallas County	31	3%	<1%
Grant County	145	13%	9%
Jefferson County	523	47%	44%
Lincoln County	37	3%	2%
Lonoke County	53	5%	5%
Pulaski County	95	9%	9%
Saline County	169	15%	27%

Table 2: Responses to Question S5

Response	Raw Frequency⁴ May 2007	Raw Percentage May 2007	Weighted Percentage May 2007
Arkansas County PAZ	30	3%	1%
Goldman	6	1%	<1%
Humphrey	24	2%	<1%
Vallier	---	---	---
Cleveland County PAZ	31	3%	3%
Canoe Landing	---	---	---
Calmer	---	---	---
Eunice	---	---	---
Friendship	---	---	---

¹ “Raw Frequency” refers to the actual number of surveys completed for each subgroup.

² “Raw Percentage” refers to the actual percentage of surveys completed for each subgroup.

³ “Weighted Percentage” is calculated by adjusting the sample proportions for county and emergency planning zones to be consistent with the true population proportions according to the 2000 United States Census Bureau.

⁴ “Raw Frequency” refers to the actual number of surveys completed for each subgroup.

Response	Raw Frequency ⁴ May 2007	Raw Percentage May 2007	Weighted Percentage May 2007
Gum Springs	---	---	---
Kedron	---	---	---
Kingsland	2	<1%	<1%
Mount Zion	---	---	---
Oak Grove	---	---	---
Rison	27	2%	2%
Staves	1	<1%	<1%
Toledo	---	---	---
White Oak Bluff	1	<1%	<1%
Dallas County PAZ	31	3%	<1%
Bunn	6	1%	<1%
Carthage	18	2%	<1%
Cooney	1	<1%	<1%
Farindale	3	<1%	<1%
Tulip	3	<1%	<1%
Grant County IRZ	55	5%	1%
Center Grove	25	2%	<1%
Clear Lake	10	1%	<1%
Ebb	1	<1%	<1%
Junet	1	<1%	<1%
Orion	8	1%	<1%
Prague	9	1%	<1%
Walnut Ridge	1	<1%	<1%
Grant County PAZ	90	8%	8%
Belfast	3	<1%	<1%

Response	Raw Frequency ⁴ May 2007	Raw Percentage May 2007	Weighted Percentage May 2007
Brush Creek	3	<1%	<1%
Buie	1	<1%	<1%
Cane Creek	3	<1%	<1%
Crossroads	9	1%	1%
Deek Creek	---	---	---
Dogwood	---	---	---
Fenter	---	---	---
Grapevine	7	1%	1%
Lamont	---	---	---
Leola	7	1%	1%
Lenham	---	---	---
Poyen	---	---	---
Prattsville	6	1%	1%
Sheridan	51	5%	4%
Stabtown	---	---	---
Summerville Ford	---	---	---
Thiel	---	---	---
Tull	---	---	---
Jefferson County IRZ	301	27%	12%
Hardin	22	2%	1%
Jefferson	132	12%	5%
Pastoria	5	<1%	<1%
Redfield	20	2%	1%
White Hall	120	11%	5%
Wright	2	<1%	<1%

Response	Raw Frequency ⁴ May 2007	Raw Percentage May 2007	Weighted Percentage May 2007
Jefferson County PAZ	222	20%	32%
Altheimer	11	1%	2%
Cornerstone	---	---	---
Ferda	---	---	---
Gethsemane	---	---	---
Lake Dick	---	---	---
Ladd	1	<1%	<1%
Moscow	2	<1%	<1%
Pinebergen	2	<1%	<1%
Pine Bluff	172	15%	25%
Rob Roy	---	---	---
Sherrill	2	<1%	<1%
Sulphur Springs	7	1%	1%
Swan Lake	---	---	---
Sweden	---	---	---
Tamo	---	---	---
Tucker	---	---	---
Wabaseka	1	<1%	<1%
Watson Chapel	24	2%	3%
Lincoln County PAZ	37	3%	2%
Crigler	---	---	---
Glendale	1	<1%	<1%
Grady	6	1%	<1%
Meroney	---	---	---
Nebo	---	---	---

Response	Raw Frequency ⁴ May 2007	Raw Percentage May 2007	Weighted Percentage May 2007
Palmyra	1	<1%	<1%
Star City	28	3%	2%
Tarry	1	<1%	<1%
Whitefield	---	---	---
Yorktown	---	---	---
Lonoke County PAZ	53	5%	5%
Allport	5	<1%	<1%
Bayou Meto	2	<1%	<1%
Bevis Corner	---	---	---
Blakemore			
Coy	1	<1%	<1%
Culler	---	---	---
England	26	2%	2%
Humnoke	2	<1%	<1%
Keo	1	<1%	<1%
Lonoke	15	1%	1%
Parkers Corner	---	---	---
Pettus	---	---	---
Seaton	1	<1%	<1%
Toltec	---	---	---
Tomberlin	---	---	---
Pulaski County PAZ	95	9%	9%
Bredlow Corner	7	1%	1%
College Station	10	1%	1%
Estes	1	<1%	<1%

Response	Raw Frequency ⁴ May 2007	Raw Percentage May 2007	Weighted Percentage May 2007
Hensley	13	1%	1%
Higginswitch	5	<1%	<1%
Iron Springs	5	<1%	<1%
Landmark	33	3%	3%
Parkers	---	---	---
Rottaken	---	---	---
Scott	10	1%	1%
Sweet Home	3	<1%	<1%
Tafton	1	<1%	<1%
Wampoo	---	---	---
Woodson	3	<1%	<1%
Woodyardville	---	---	---
Wrightsville	4	<1%	<1%
Saline County PAZ	169	15%	27%
Alexander	9	1%	1%
Bauxite	6	1%	1%
Benton	75	7%	12%
Bryant	42	4%	7%
East End	16	1%	3%
Haskell	5	<1%	1%
Sardis	4	<1%	1%
Shannon Hills	6	1%	1%
Shaw	---	---	---
Traskwood	6	1%	1%
Vimy Ridge	---	---	---

Survey Results

In this section, survey questions are grouped into subsections, and the most common responses for each question are presented and compared with historical data where applicable. Cross tabulations and historical comparisons that were found to be statistically significant with a 95% confidence level are documented in this section. A complete list of the question wording, tabulated responses, and applicable historical comparisons are available in Appendix A: Pine Bluff CSEPP Survey Tabulations. Detailed cross tabulations are provided in Appendix B: Pine Bluff CSEPP Emergency Planning Zone Cross Tabulations. Respondents were asked the following question to assess the level of awareness among the residents of the chemical agents that are being destroyed at the Pine Bluff Arsenal.

Are you aware of the chemical agents at the Pine Bluff Arsenal? (Q1)

The proportion of all respondents living in the EPZ that are aware of the chemical agents being stored at the Pine Bluff Arsenal remains high (89%). There have been no significant changes in the levels of awareness in the EPZ, IRZ, or PAZ, since 2006.

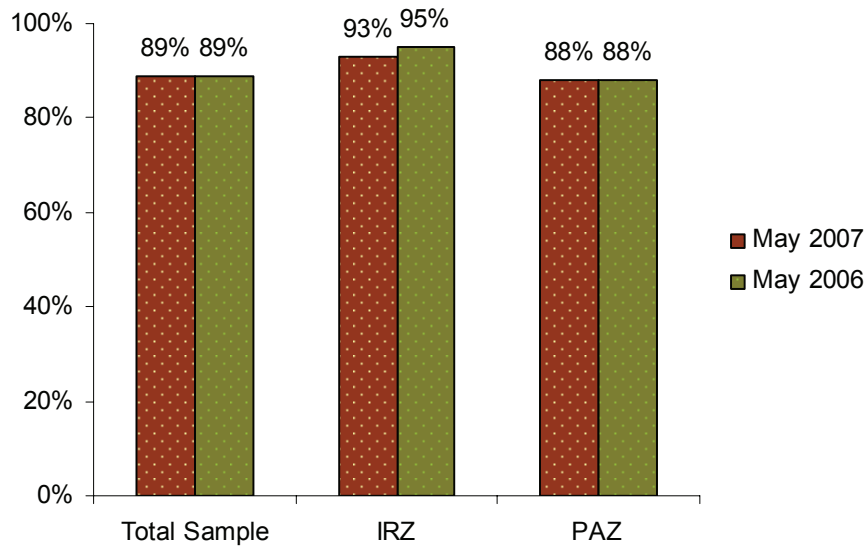


Figure 2: Percentage of Residents Who Are Aware of Chemical Agents

How concerned are you about the following? (Q2)
A. Chemical Emergency at the Pine Bluff Arsenal

Figure 3 illustrates the percentage of residents within the IRZ and PAZ who are concerned about a chemical emergency. There has been no significant change in these numbers since the survey conducted in May 2006.

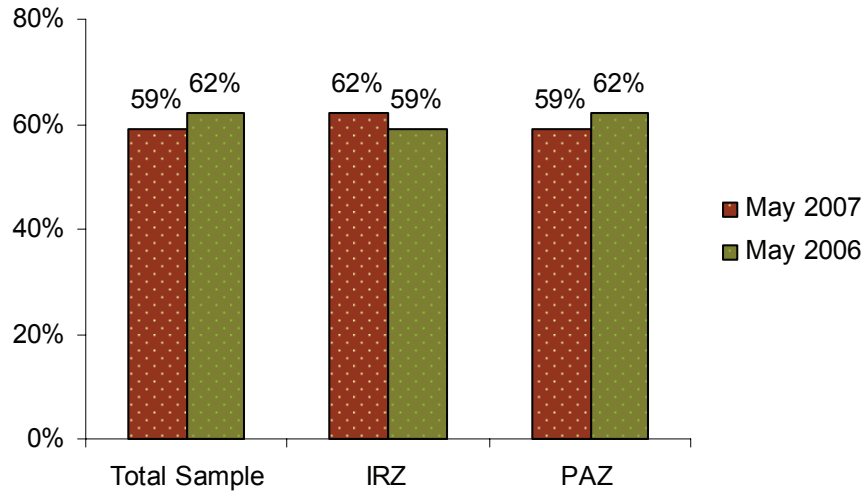


Figure 3: Percentage Who Are Concerned About Chemical Emergencies by IRZ/PAZ

B. Tornado; C. Flood; D. Earthquake

Figure 4 compares the respondents' concerns about natural disasters and a chemical emergency. Tornadoes cause the most concern among all residents sampled in the EPZ (78%).

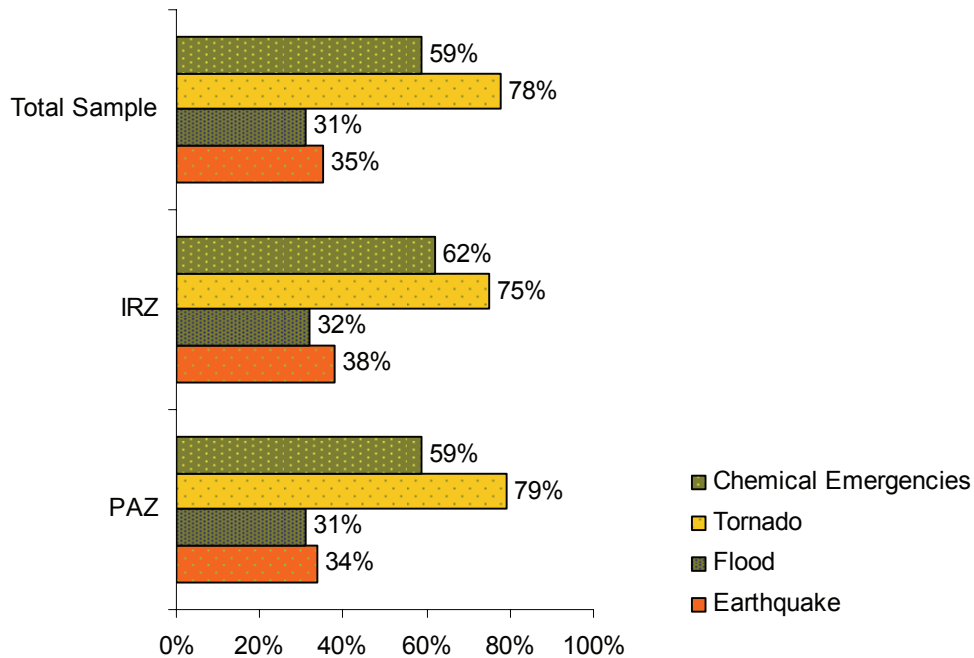


Figure 4: Percentage Who Are Concerned about Tornadoes, Chemical Emergencies, Earthquakes, and Floods by IRZ/PAZ

Preparedness

Several survey questions were designed to assess the level of preparedness of the Pine Bluff residents. Preparedness is gauged by whether or not respondents have a family emergency plan, know their emergency planning zone, have read the emergency information in the Arkansas Emergency Preparedness Calendar, and have a tone alert radio (TAR).

Emergency Plans

Residents were asked the following question to determine if they have a family emergency plan for natural disasters and chemical emergencies.

Do you or your family have an emergency plan to deal with the following? (Q3)

A. Natural disasters

B. Chemical emergency at the Pine Bluff Arsenal

It is estimated that 37% of families in the EPZ have an emergency plan to deal with a chemical emergency and 40% of families have an emergency plan for natural disasters. Figure 5 illustrates these percentages for the total sample and by IRZ and PAZ. As seen in previous years, more families in the IRZ have an emergency plan in case of a chemical emergency at the Pine Bluff Arsenal.

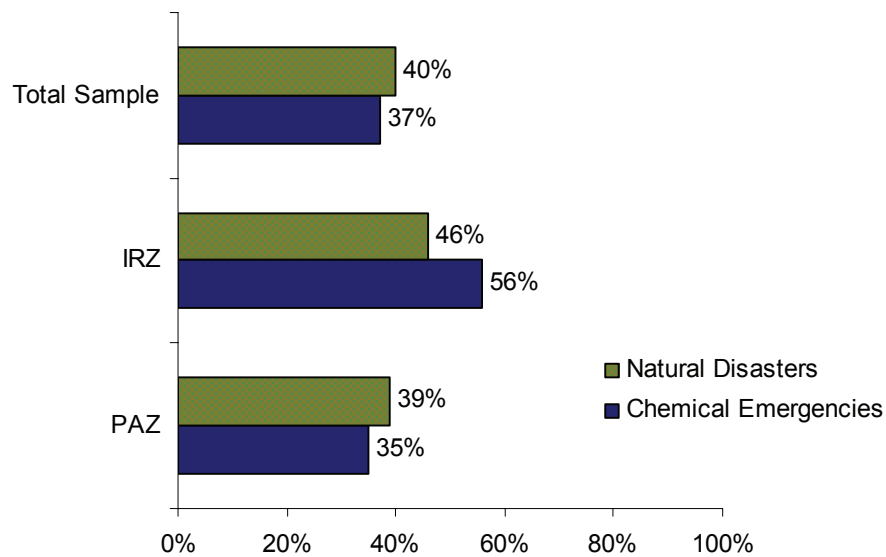


Figure 5: Percentage of Families Who Have Chemical or Natural Disaster Emergency Plans

Figure 6 shows a decrease in the number of families in the IRZ with chemical emergency plans from 65% May 2006 to 56% May 2007.

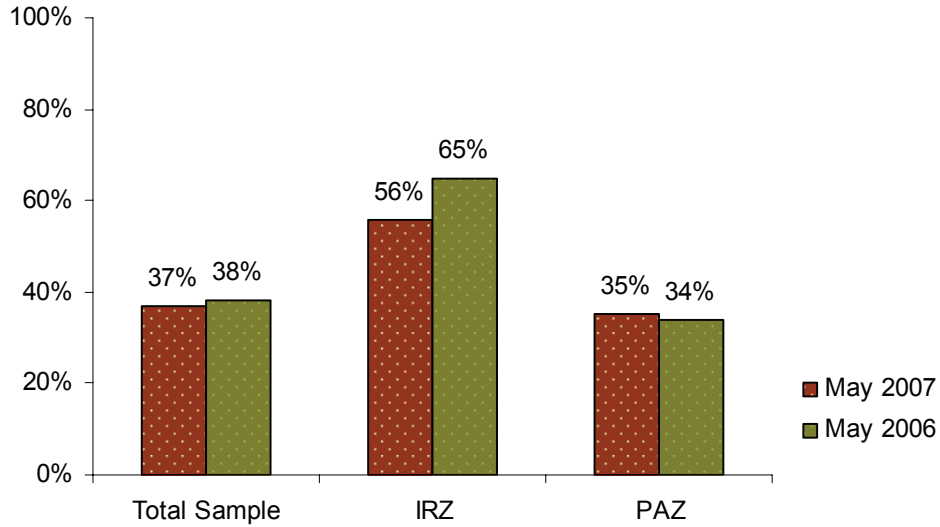


Figure 6: Percentage of Families Who Have Chemical Emergency Plans by IRZ/PAZ

Figure 7 shows more residents in Jefferson County IRZ and Jefferson County PAZ indicated they have a family emergency plan compared to residents in other County-EPZ groups.

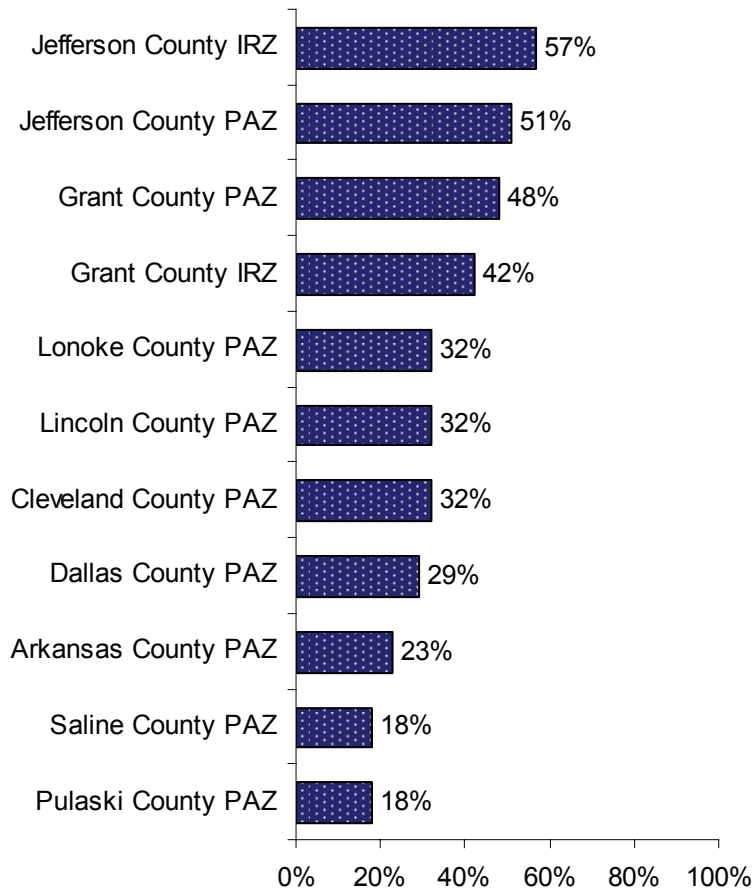


Figure 7: Percentage of Families Who Have Chemical Emergency Plans by County-EPZ

Please answer yes or no to the following questions: (Q4)⁵

- A. Are you familiar with the names of the major roads and highways in your area?
- B. In the event of an emergency, do you have a family meeting place?
- C. Do you have an out-of-area telephone contact?
- D. Do you have a shelter-in-place kit with duct tape, plastic, and instructions?
- E. Do you have a disaster supply kit?
- F. Is the gas tank of your car at least half-full at all times?

Residents were asked this series of questions to determine if they have all of the components of a family emergency plan. The percentages out of the total number of respondents are presented in Figure 8. There are no significant differences from the previous survey in May 2006.

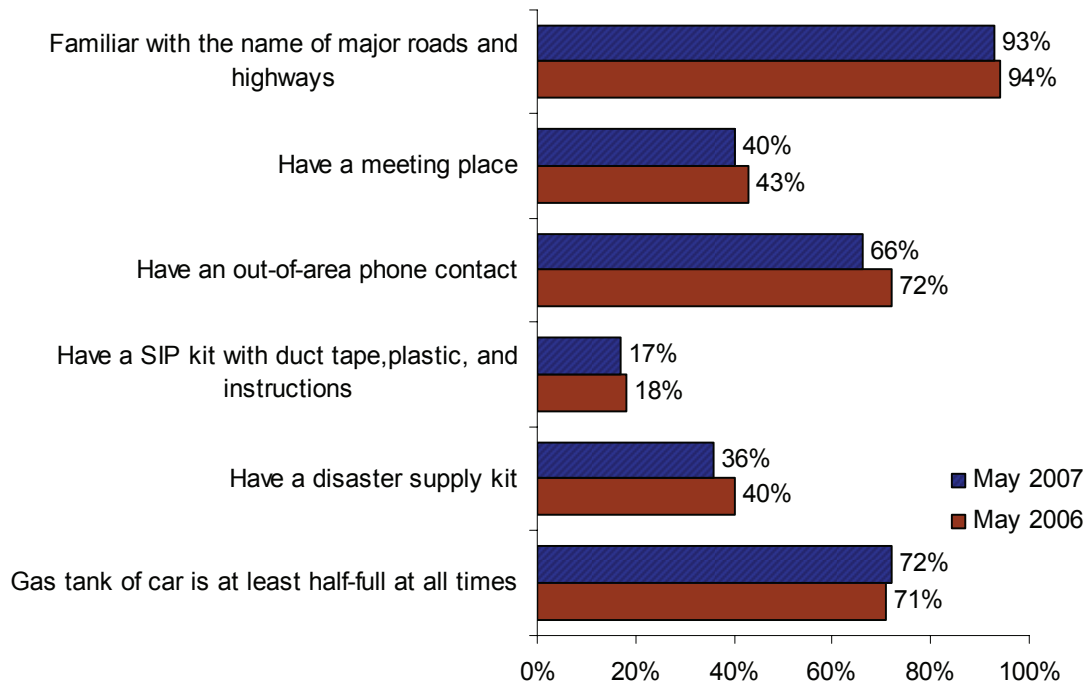


Figure 8: Family Emergency Plan Overview

⁵ This series of questions was not asked in the November 2002 survey or the October 2003 IRZ survey.

Figure 9 illustrates the proportion of IRZ and PAZ residents responding yes for each chemical emergency plan component.

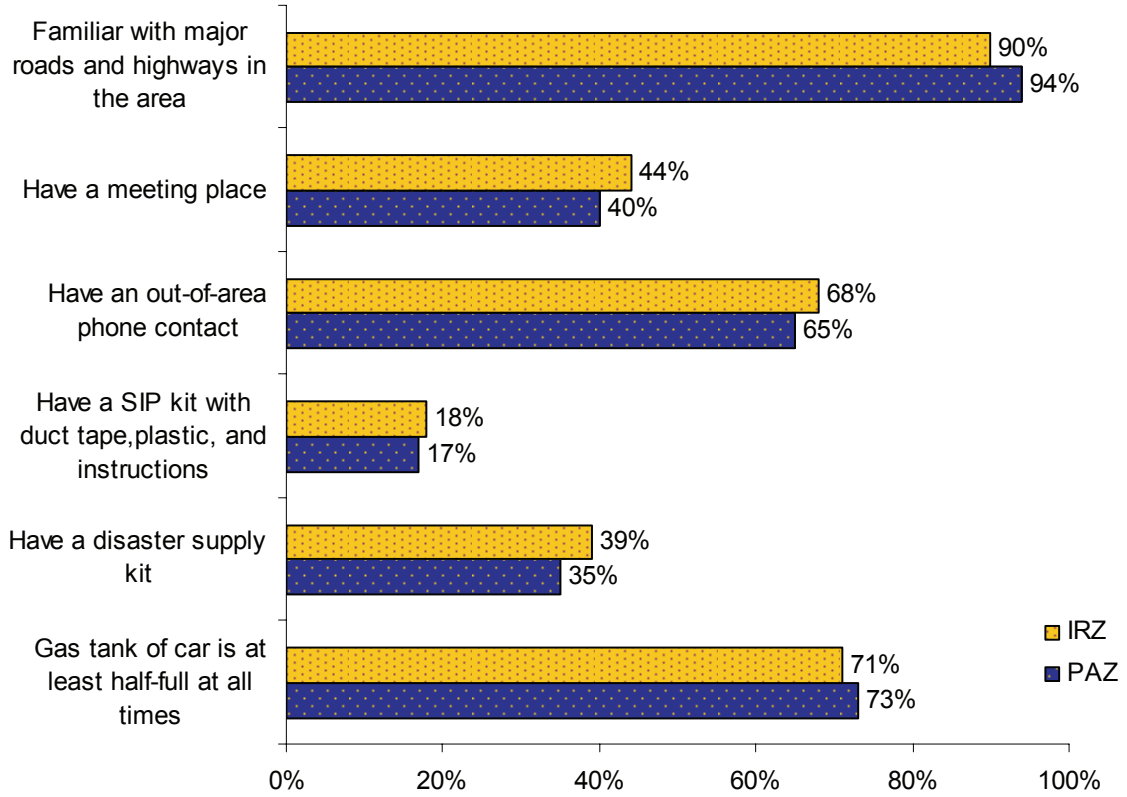


Figure 9: Family Emergency Plan Overview by IRZ/PAZ

Figure 10 gives the breakdown of percentages by County-EPZ group for those residents who have indicated that they have all of the components of a family emergency plan.

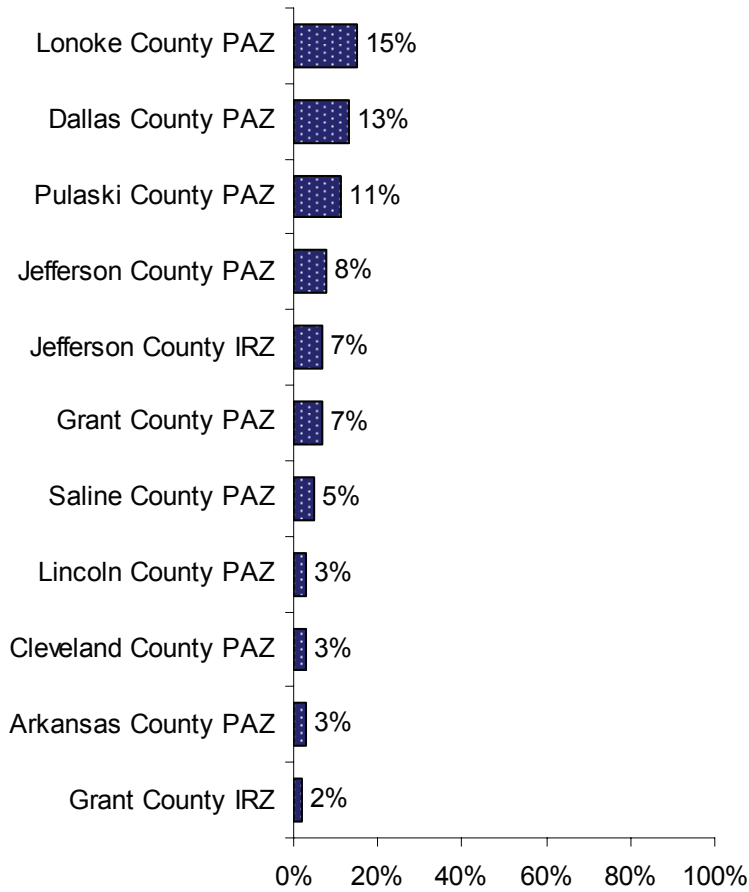


Figure 10: Have a Complete Emergency Plan by County-EPZ

Emergency Planning Zones

Which emergency planning sub-zone do you live in? (Q26)

A small proportion of respondents in the Pine Bluff EPZ know within which emergency planning sub-zone they reside. Only 4% of all residents sampled named their zone. A larger percentage of IRZ residents were able to name their sub-zone (9%) compared to PAZ residents (3%).

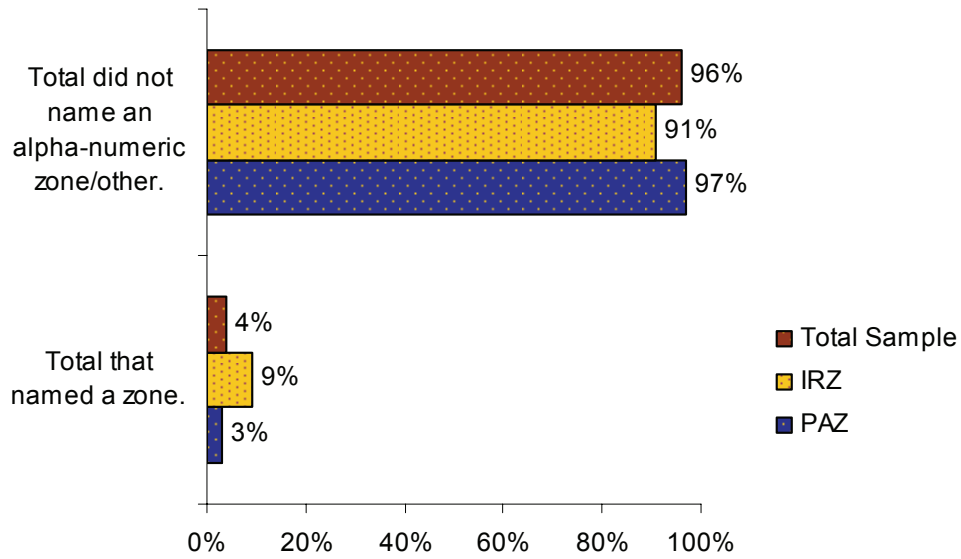


Figure 11: Percentage Who Know Their Emergency Planning Sub-zone

Calendar

The annual Arkansas Emergency Preparedness Calendar is sent to residents living near the Pine Bluff Arsenal and contains important information on preparing for a possible chemical emergency. The calendar is mailed to every household within the IRZ and distributed through County Coordinators in the PAZ.

Have you read the emergency preparedness information in the annual Arkansas emergency preparedness calendar? (Q27)

A total of 24% of all residents sampled have read the annual Arkansas Emergency Preparedness Calendar. Those who have not read the calendar were further categorized into two groups, ‘No, I have not received the calendar’ with 69% of all respondents and ‘No, I have received the calendar but did not read it’ with 7% of all respondents.

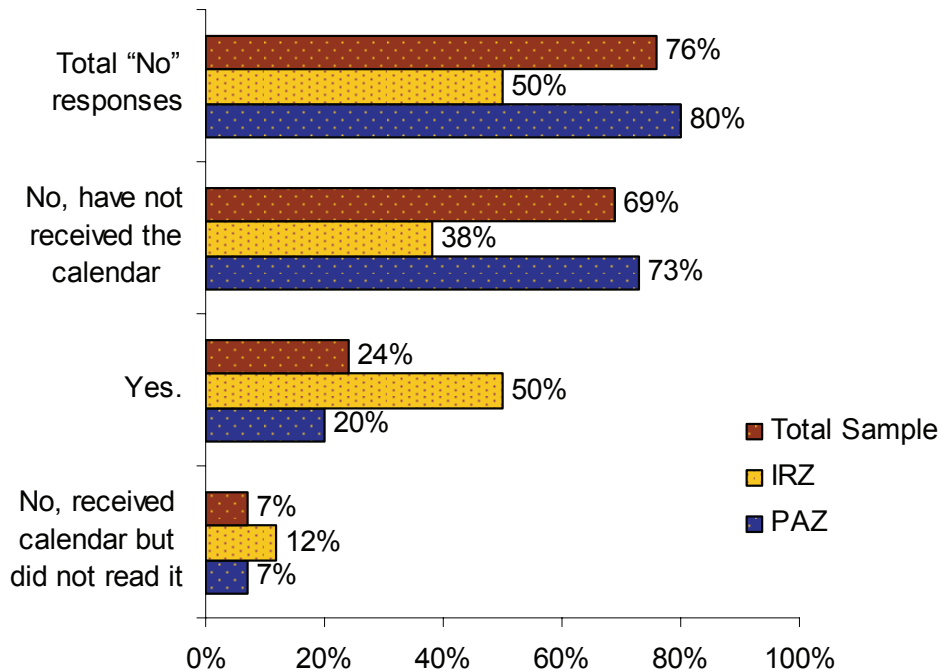


Figure 12: Calendar Readership by IRZ/PAZ

Figure 13 compares the calendar readership for the County-EPZ groups. Data suggests that more Jefferson County IRZ (51%) and Grant County IRZ (45%) have read the annual calendar compared to the other counties (4–36%)

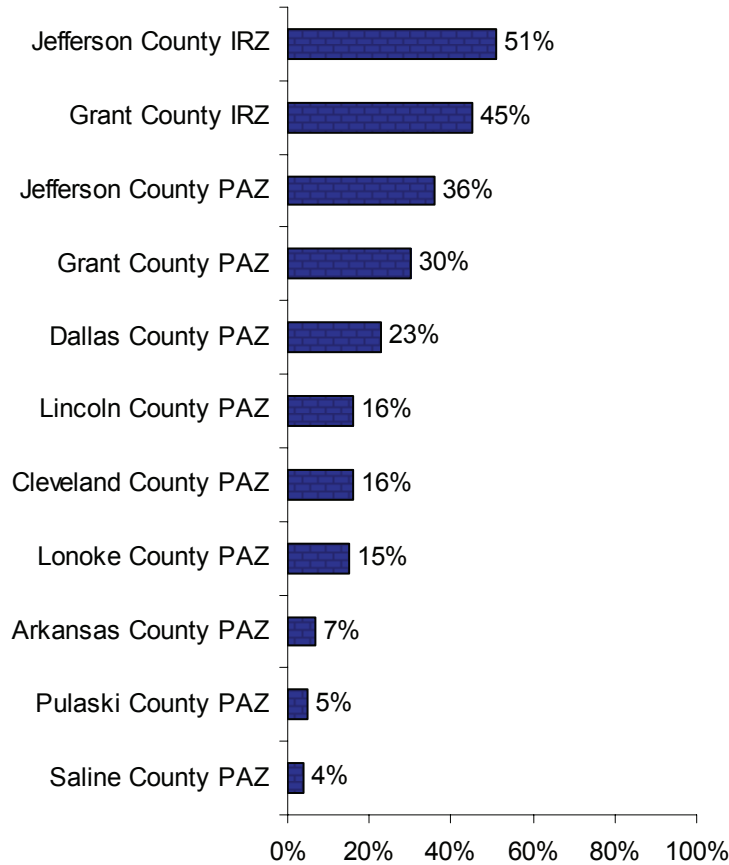


Figure 13: Calendar Readership by County-EPZ

There are many significant differences between the residents who say they have read the emergency preparedness information in the Arkansas emergency preparedness calendar and those who say they have not read the calendar or have not received a calendar. A greater proportion of residents who have read the calendar:

- Are aware of chemical agents being stored at the arsenal (97%)
- Have an emergency plan in the case of a natural disaster (55%) or chemical emergency (66%)
- Have a SIP kit (27%)
- Can be alerted of a chemical emergency by loudspeaker/bullhorn (10%), siren (46%), or TAR (31%)
- Will receive instruction during a chemical emergency from official channels (78%) compared to those who have not read the calendar (64–67%)
- Say they will follow the evacuation route (28%) when instructed to evacuate

- Will close doors and windows (41%), seal doors and windows (24%), and close air vents (20%) when instructed to shelter-in-place
- Will know to stop sheltering in place from a TAR (30%) or siren (15%)
- Are confident they can shelter in place (75%) compared to 50–60% of others
- Know their child's school plan (68%) compared to parents who have not read the calendar (36–56%)
- Can recall receiving information on being prepared (28%), drills/tests (9%), evacuation (56%), following instruction (24%), gathering supplies (49%), or siren (9%)
- Are confident they will be alerted of a chemical emergency because the alert system is good (31%), the arsenal is prepared (24%), or they trust the arsenal (25%)
- Are not confident they will be alerted of a chemical emergency because there is not enough time to alert everyone (21%)
- Claim they will have control in the event of a chemical emergency (79%) compared to those who have not read the calendar (59–73%)
- Prefer to receive CSEPP information through the calendar (20%) compared to those who have not read the calendar (10%)

Do you feel like the information in the calendar helped you to become more prepared for a possible chemical emergency? (Q28)

The majority of residents who have read the calendar feel more prepared for a chemical emergency. Overall, 23% of residents have read the calendar and feel more prepared, while 1% have read the calendar and do not feel more prepared and the other 76% have not read the calendar.

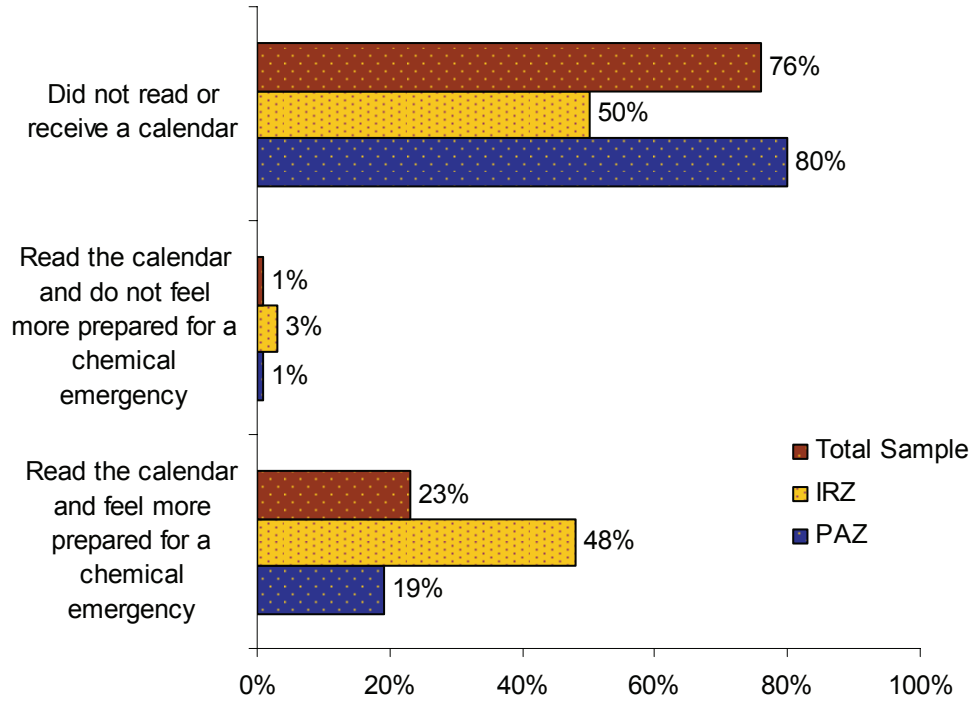


Figure 14: Effectiveness of Calendar

Tone Alert Radio

Tone alert radios (TAR) are only distributed in the IRZ and not in the PAZ. Therefore, this section contains results associated with IRZ residents only.

Do you have a Tone Alert Radio (TAR)? (Q12)

Of the IRZ residents sampled, 51% say they have a TAR. The number of IRZ residents with a TAR has shown significant decrease from 73% in May 2006.

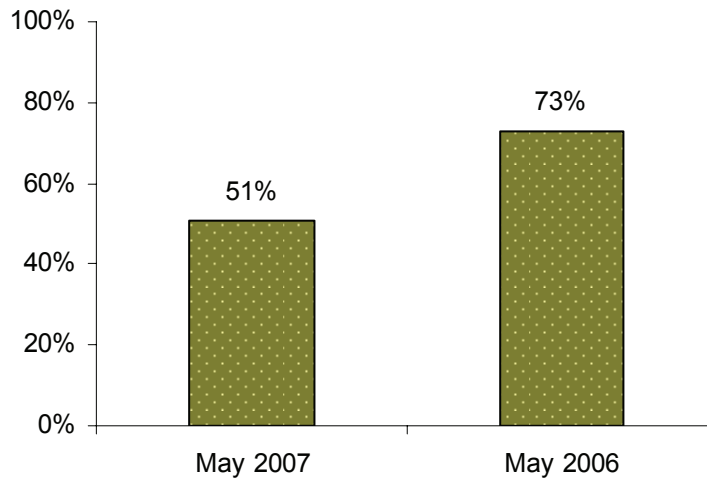


Figure 15: IRZ Residents with a Tone Alert Radio

More Jefferson County IRZ residents (52%) say they have a TAR compared to Grant County IRZ residents (40%). See Figure 16.

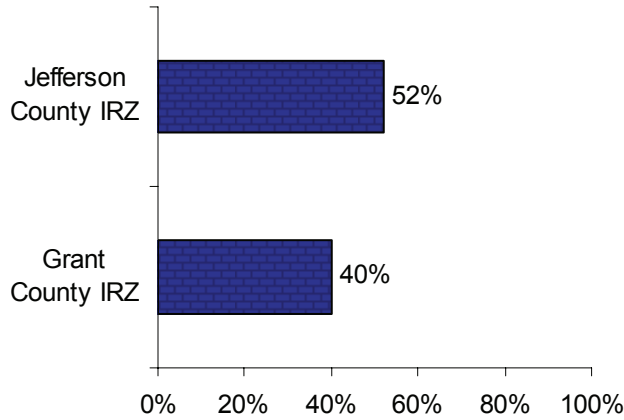


Figure 16: IRZ Residents with a Tone Alert Radio by County

The survey shows the following statistical differences between residents who have a TAR and those who do not.

- Fewer respondents that have a TAR expect to be alerted through EAS (20%) than those who do not (43%).
- More than half of residents who have a TAR (52%) have received CSEPP information from materials compared to 29% of those who do not have a TAR.

Is your Tone Alert Radio (TAR) plugged in? (Q13)

Only IRZ residents who have a TAR were asked if it is plugged in. Figure 17 shows the proportion of residents surveyed in May 2007 with a TAR that indicated it is plugged in (85%). This has not changed significantly since last year.

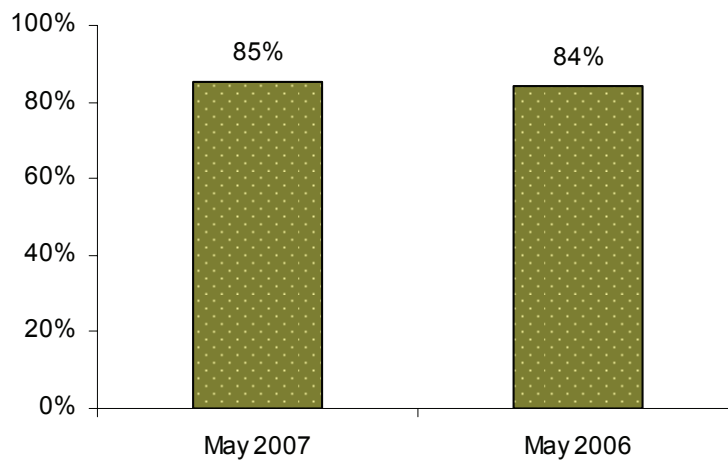


Figure 17: IRZ Residents with a Plugged In Tone Alert Radio

Figure 18 illustrates that more Jefferson County IRZ (45%) residents have a TAR and it is plugged in compared to Grant County IRZ residents (29%).

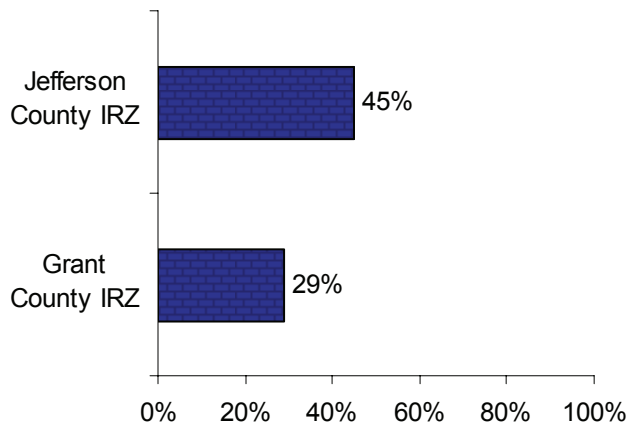


Figure 18: Residents with a Plugged In Tone Alert Radio, by County

Alert and Notification

In the event of a chemical emergency at the Pine Bluff Arsenal, the public will receive alert and notification through several sources. The CSEPP glossary defines alert as “Stimulation of one or more of the senses, usually those of hearing and/or sight.”⁶ The description for notification reads, “Following the alerting phase, information on the nature of the emergency and recommended protective actions is communicated in the notification phase.”⁷ In other words, alert is the initial warning and notification provides further emergency information and instructions.

Official channels of alert and notification are listed in the sections below. These channels provide the public multiple ways to obtain information from official sources. However, if segments of the public are not aware of these official channels, they may not receive alert and notification in a timely manner. The following questions were asked of respondents in order to determine how the public expects to receive alert and notification, as well as to determine which segments of the public may require additional outreach in order to increase awareness of official channels.

⁶ IEM, Chemical Stockpile Emergency Preparedness Program Glossary, Second Edition. February 1996.

⁷ Ibid.

How would you know if there were a chemical emergency at the Pine Bluff Arsenal? (Q5)⁸

Official alert channels include TAR, siren, Emergency Alert System (EAS) through AM/FM radio and TV, loudspeaker/bullhorn, and route alerting.

- The top responses for EPZ residents regarding how they expect to be alerted of a chemical emergency are television (49%), AM/FM radio(29%) and Sirens (29%).
- The proportion of all residents who expect to be alerted by TAR is down 8 percentage points from the May 2006 survey.

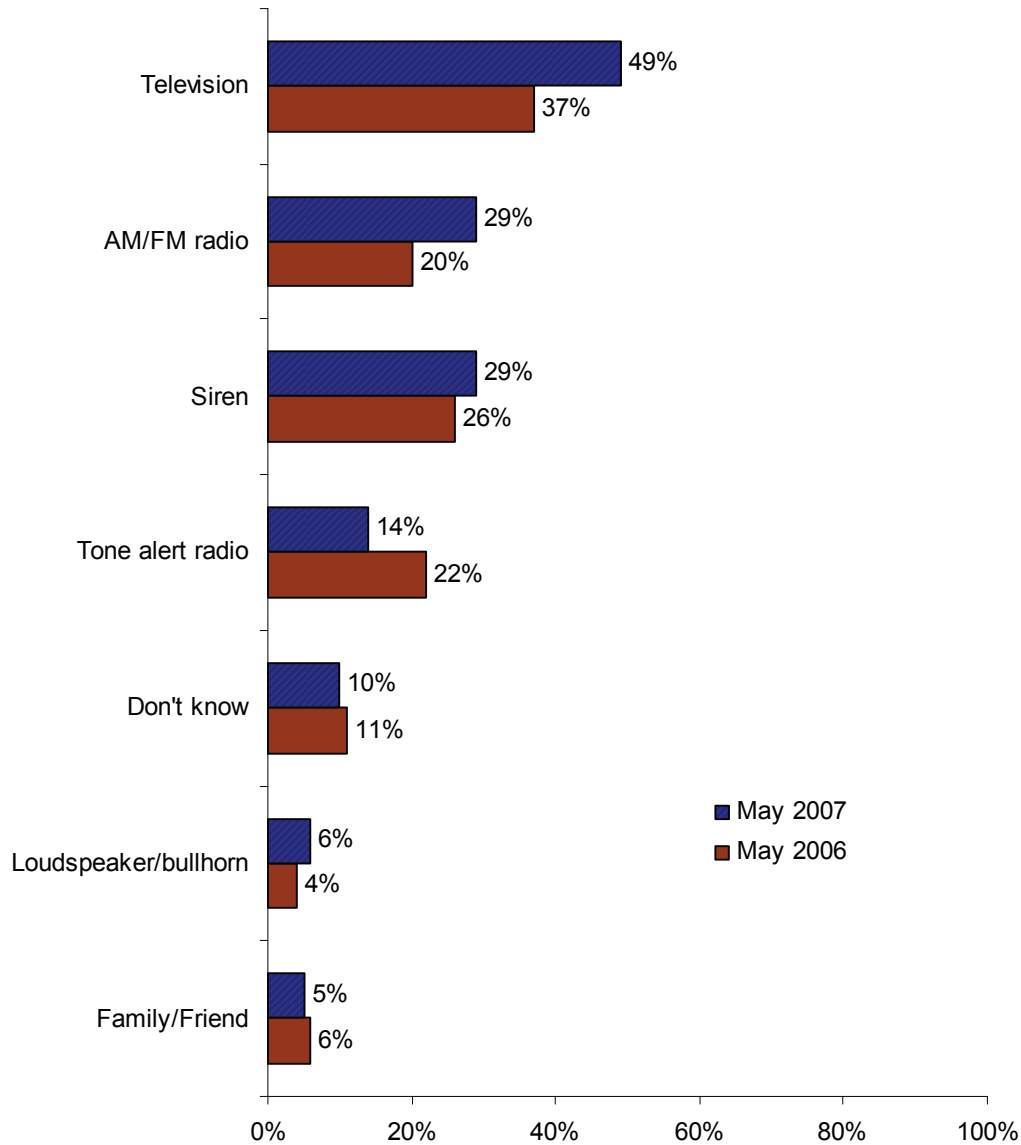


Figure 19: Sources of Emergency Alert

⁸ Multiple responses were accepted for this question.

Figure 20 shows the top sources of alert by IRZ and PAZ.

- 38% of residents in the IRZ say they will be alerted of a chemical emergency by tone alert radio compared to 11% in the PAZ. Such a large difference is due in part to the fact that TARs are primarily distributed within the IRZ.
- The most common responses for PAZ residents are television (52%) and AM/FM radio (31%).
- The most common responses for IRZ residents are siren (45%) and TAR (38%).

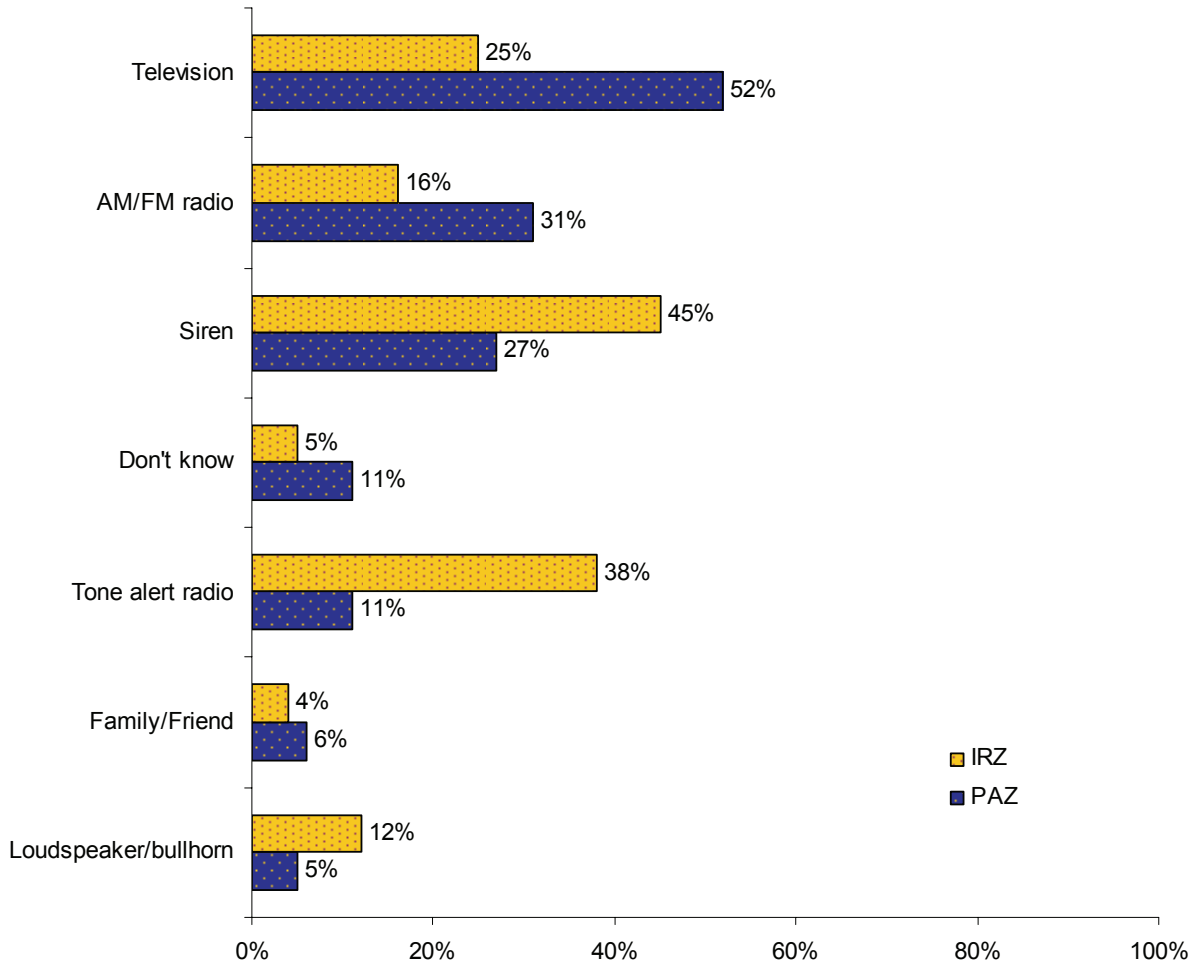


Figure 20: Sources of Emergency Alert by IRZ/PAZ

Even though TARs are primarily distributed in the IRZ, 11% of PAZ residents expect to receive alert of a chemical emergency from a TAR. TARs are also distributed to businesses within the PAZ, which may account for some of the PAZ residents saying they would be alerted by a TAR.

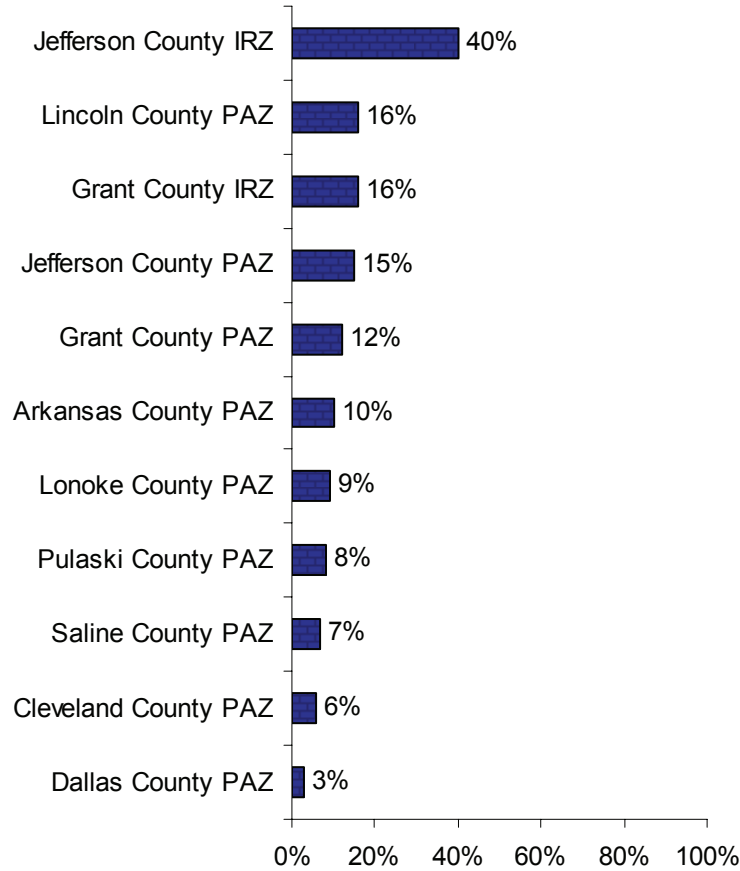


Figure 21: Expect to Receive a Chemical Emergency Alert by a Tone Alert Radio by County-EPZ

If a chemical accident occurred at the Pine Bluff Arsenal, where would you get additional instructions on how to protect yourself and your family when you hear the warning signals? (Q7)⁹

Official notification channels include TAR, siren, EAS through AM/FM radios and TV, loudspeaker/bullhorn, route alerting, and outreach materials such as the calendar or preparedness brochure. The top two sources of notification after receiving alert of a chemical emergency remain AM/FM radio (33%) and television (32%). There are no significant changes from last year.

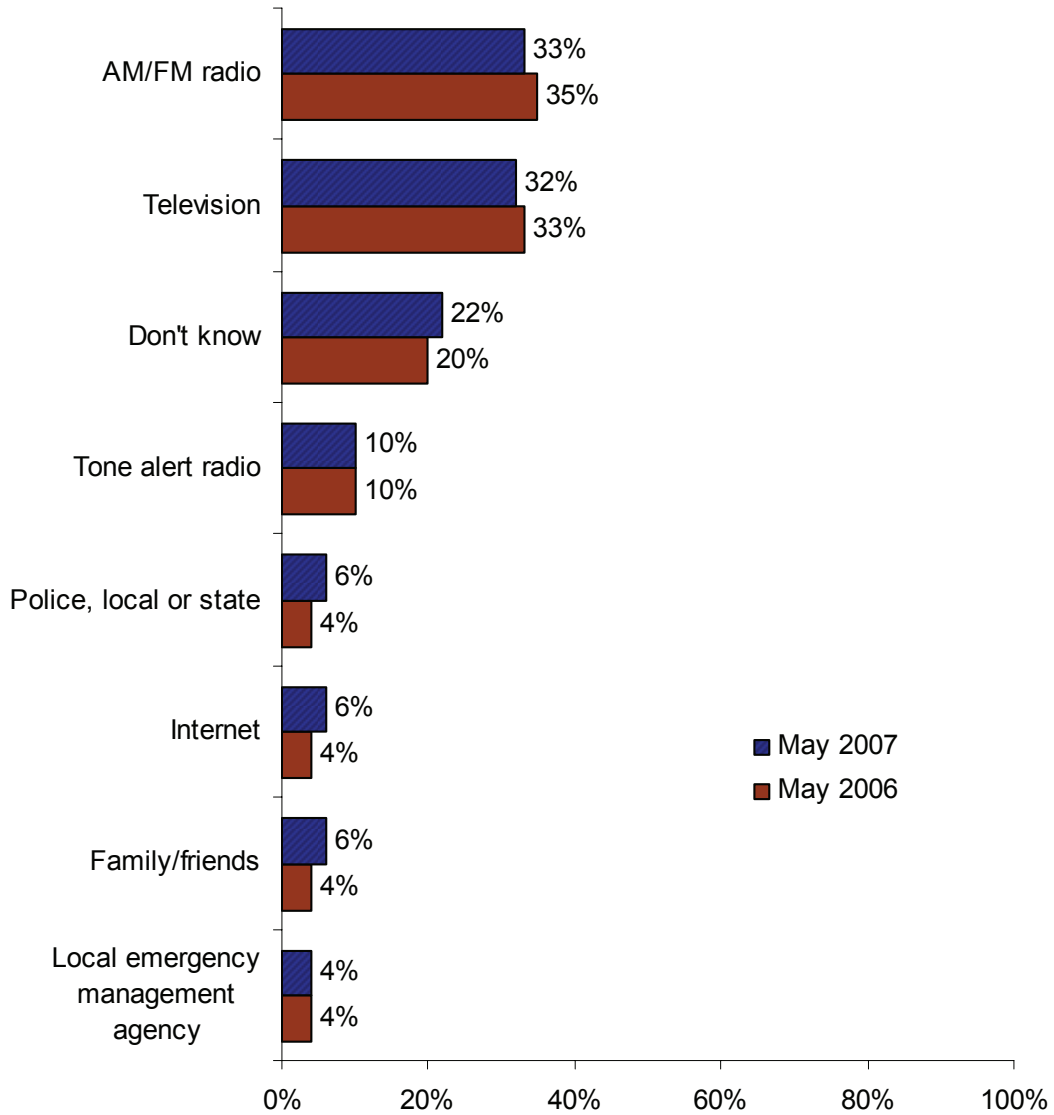


Figure 22: Sources for Additional Emergency Instructions

⁹ Multiple responses were accepted for this question.

It is interesting to note that even though TARs are distributed primarily in the IRZ, there are still a percentage of PAZ residents that say they would receive additional instructions from a TAR. Figure 23 shows the difference between the County-EPZ groups.

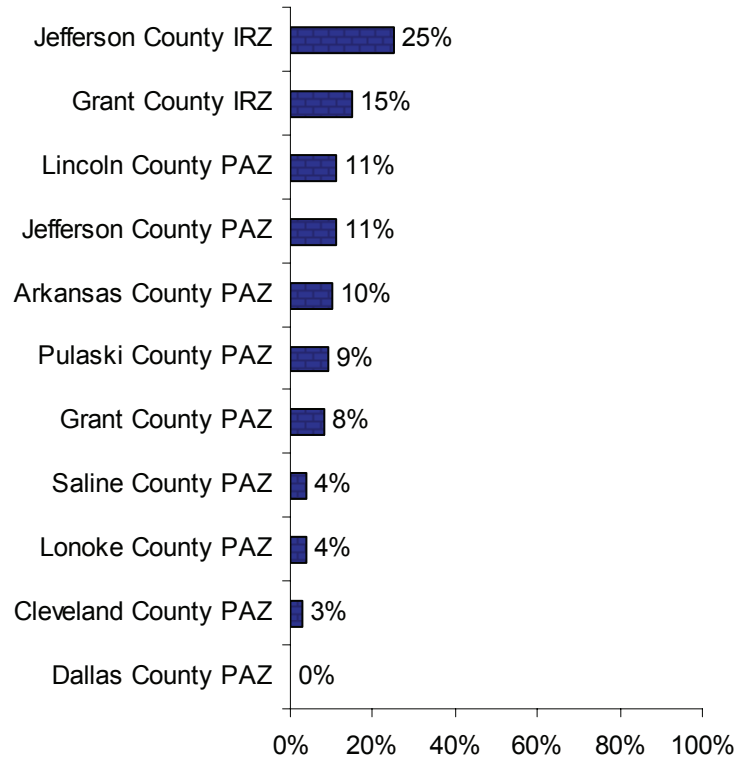


Figure 23: Expect to Receive Additional Chemical Emergency Instructions from a TAR by County-EPZ

49% of all residents expect to receive emergency instructions from an EAS channel on the TV or AM/FM radio.

- 48% of IRZ residents and 50% of PAZ residents expect to get instructions by an EAS channel.
- As shown in Figure 24, Saline County PAZ (57%) and Grant County IRZ (53%) residents have the highest percentages among the County-EPZ groups who say they would get emergency instructions from an EAS channel (TV or AM/FM radio).

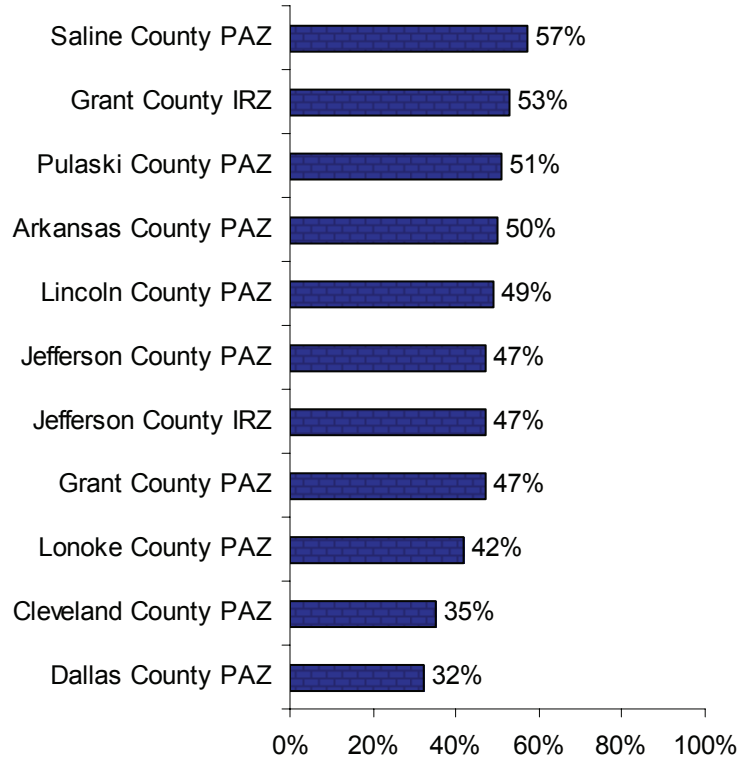


Figure 24: Expect to Receive Additional Chemical Emergency Instructions from an EAS channel—TV or AM/FM Radio by County-EPZ

68% of all residents say they will receive emergency instructions from at least one of the official notification channels, namely TAR, siren, EAS through AM/FM radios and TV, loudspeaker/bullhorn, route alerting, and outreach materials.

- Approximately 69% of the IRZ and 68% of the PAZ residents expect to get emergency instructions by the official notification channels.
- Fewer Dallas County PAZ residents (52%) say they will get emergency instructions from one of the official notification channels compared to the other County-EPZ groups (60%–75%). This has been illustrated in Figure 25.

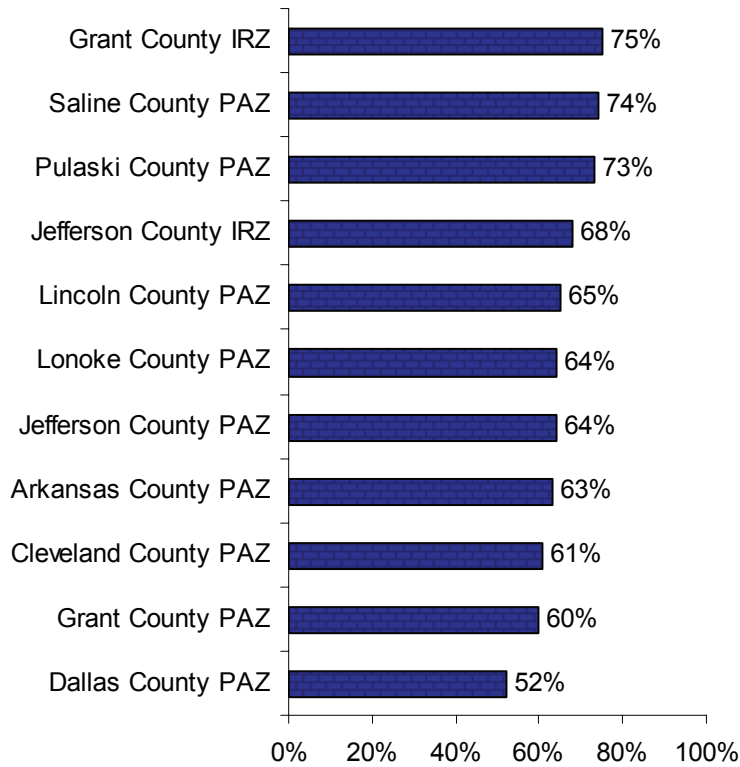


Figure 25: Expect to Receive Additional Chemical Emergency Instructions from one of the Official Notification Channels by County-EPZ

Figure 26 illustrates the percentage of residents in the different County-EPZ groups who expect to get additional emergency instructions from the local officials and first responders. A total of 10% of the residents in the IRZ belong to this group compared to 16% of the PAZ residents.

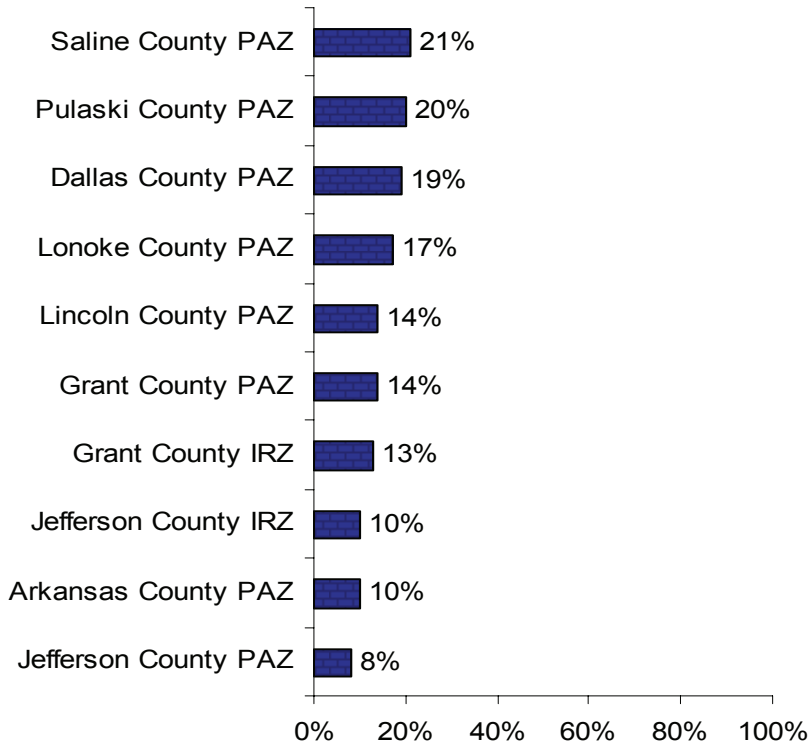


Figure 26: Expect to Receive Additional Chemical Emergency Instructions from Local Officials and First Responders by County-EPZ

It is interesting to compare where residents expect to receive the initial alert and where they expect to receive emergency instructions during a chemical emergency. Figure 27 and Figure 28 illustrate this comparison for IRZ and PAZ residents, respectively. A higher percentage of both the IRZ and PAZ residents named official alert channels¹⁰ as compared to official notification channels.¹¹

More residents in the IRZ will rely on a TAR (38%) or siren (45%) to receive the initial alert. Some will continue to listen to a TAR (24%) for additional instruction, and others will tune into an EAS channel on the TV (27%) or AM/FM radio (35%). A similar pattern is also observed in the PAZ.

One-half (31%) of IRZ residents say they will receive the initial alert from an EAS channel, while 48% say they will receive emergency instructions from an EAS channel.

¹⁰ Official alert channels include TAR, siren, EAS through AM/FM radio and TV, loudspeaker/bullhorn, and route alerting.

¹¹ Official notification channels include TAR, siren, EAS through AM/FM radios and TV, loudspeaker/bullhorn, route alerting, and outreach materials

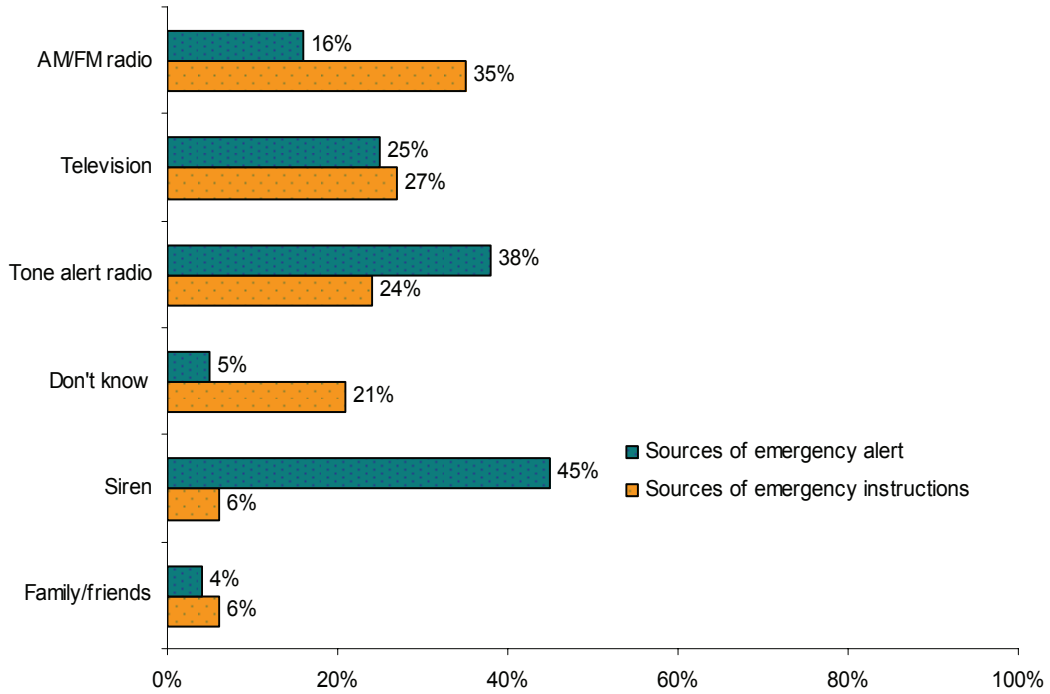


Figure 27: Comparison of Source of Emergency Alert vs. Source of Emergency Instructions for IRZ residents

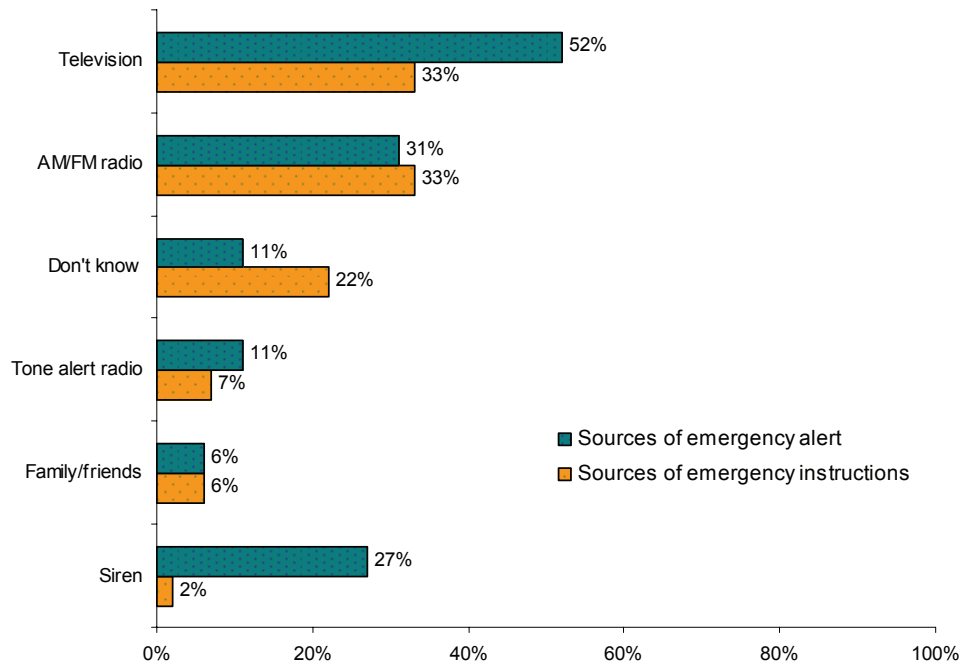


Figure 28: Comparison of Source of Emergency Alert vs. Source of Emergency Instructions for PAZ residents

Protective Actions

This section of the survey report provides insight into what actions residents inside the Pine Bluff EPZ will take in the event of a chemical emergency in order to protect themselves. Several open-ended questions were asked in order to collect residents' specific knowledge of protective actions. These questions were designed to see if residents would conform to the instructions provided by the local emergency management agency in the unlikely event of a chemical emergency.

What actions would you take if you found out there was a chemical emergency at the Pine Bluff Arsenal? (Q6)¹²

Respondents were allowed to give multiple responses.¹³ The majority of residents (52%) say they would evacuate. There have been no significant changes since the May 2006 survey.

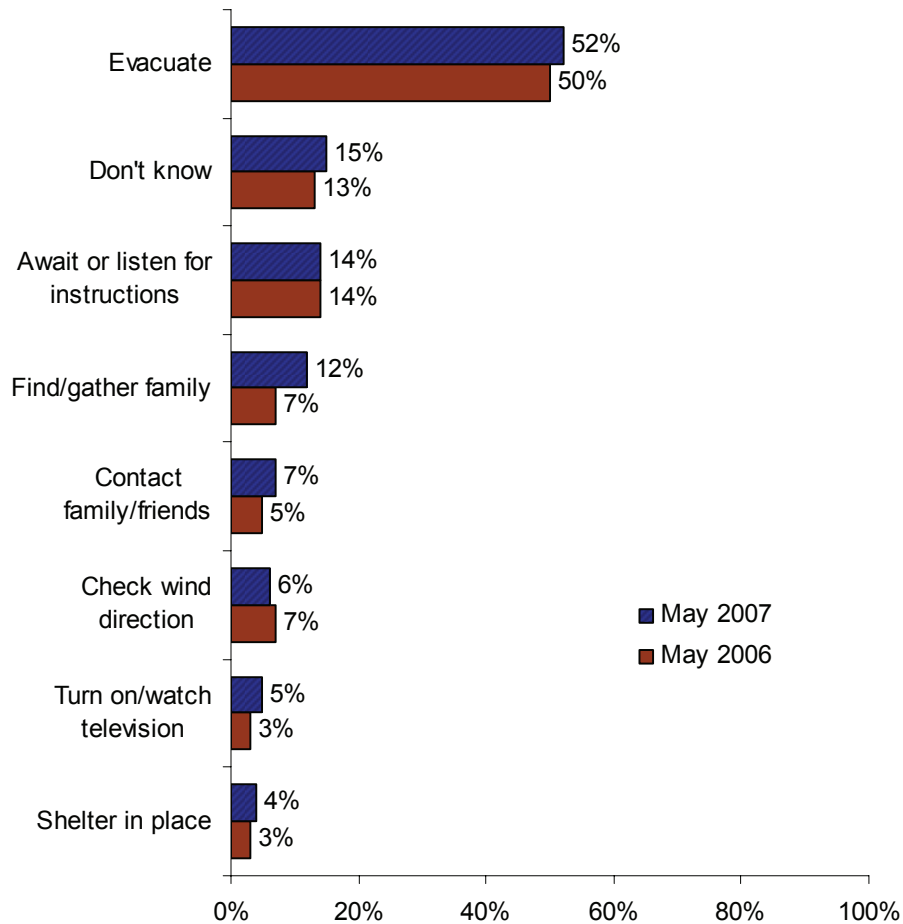


Figure 29: All Actions Taken in the Event of a Chemical Emergency

¹² In November 2002, respondents were only able to give one response to this question. In October 2003, “action” was changed to “actions” and multiple responses were accepted.

¹³ Because respondents were allowed to give multiple answers, totals do not equal 100%. In November 2002, respondents were only able to give one response to this question. In October 2003, “action” was changed to “actions” and multiple responses were allowed.

Figure 30 illustrates what actions residents would take when alerted of a chemical emergency for the IRZ and PAZ.

- More residents in the PAZ say they do not know what they would do (16%) compared to residents in the IRZ (10%).
- 64% of residents in the IRZ claim they would evacuate, while only 50% of residents in the PAZ would evacuate.

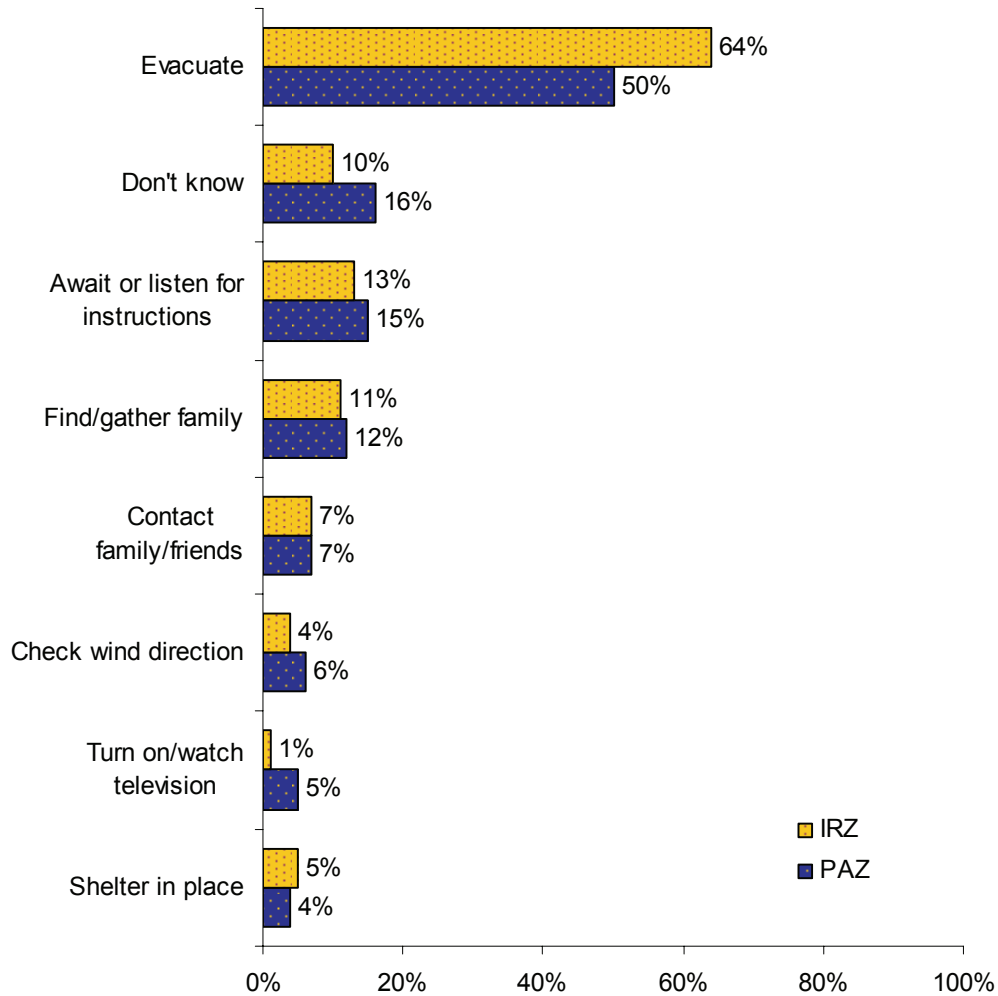


Figure 30: All Actions Taken in the Event of a Chemical Emergency

As shown in Figure 31, Saline County PAZ residents (27%) have the highest percentage of respondents who say they will wait or listen for instructions on EAS, AM/FM radio, TV, or TAR during a chemical emergency. Only 11% of Grant County IRZ residents indicate they would wait or listen for instructions.

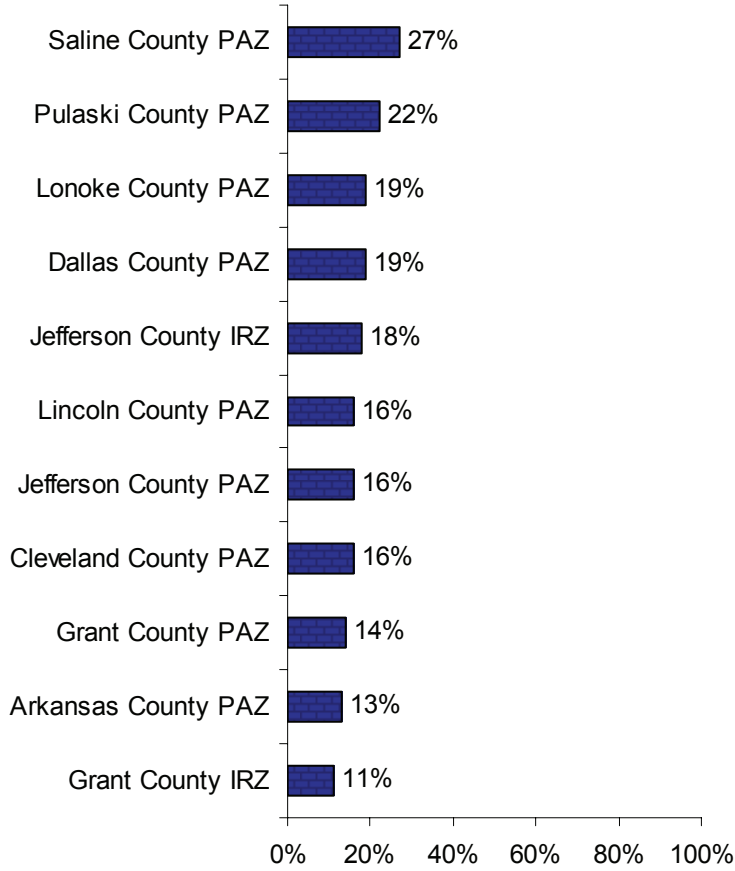


Figure 31: Percentage Who Say They Will Wait or Listen for Instructions on EAS, AM/FM radio, TV, or TAR during a Chemical Emergency by County-EPZ

Figure 32 shows the percentage in each County-EPZ group that say they would evacuate or follow evacuation routes, directions and/or signs during a chemical emergency. Note that Grant County PAZ (68%) has the highest percentage for this response.

The survey results indicate that the majority of IRZ residents will not wait for instructions during a chemical emergency, but will immediately begin to evacuate when alerted of such an event.

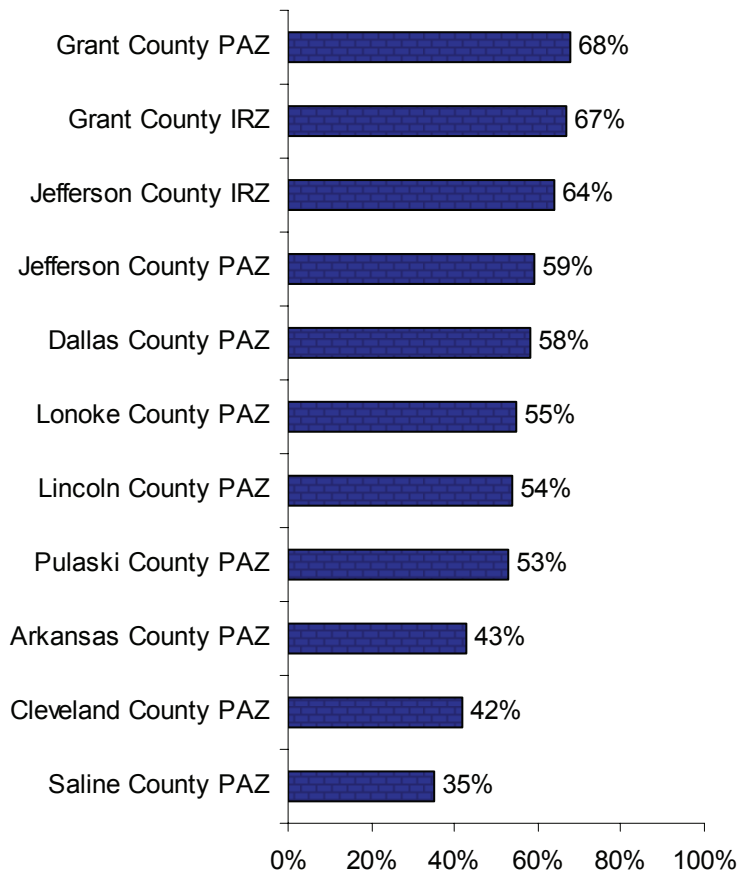


Figure 32: Percentage Who Say They Would Evacuate or Follow Evacuation Routes, Directions and/or Signs during a Chemical Emergency by County-EPZ

Evacuation

In the event of a chemical emergency at the Arsenal, residents may be instructed to evacuate. During an evacuation, residents should immediately leave their home or workplace in the direction of the appropriate evacuation route or drive to the appropriate reception center.

If you were instructed to evacuate, what actions would you take? (Q8)¹⁴

Figure 33 illustrates the top responses when residents were asked what actions they would take when told to evacuate.

- Leave home or work/get out of town/get in car and go remains the top response in 2007 with 53%. This figure has risen 8 percentage points since 2006.
- Follow instructions/do what told has increased by 6 percentage points from 18% in May 2006 to 22% May 2007.

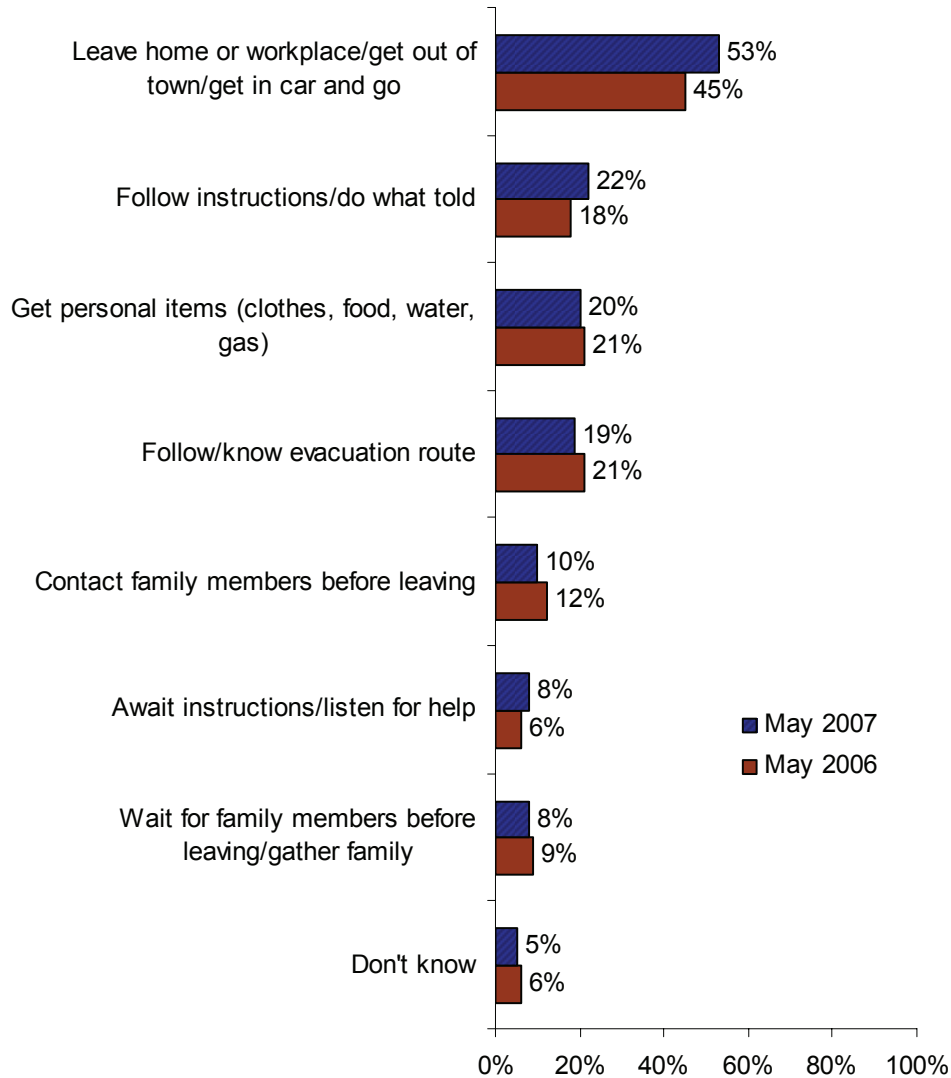


Figure 33: Actions Taken in an Evacuation

¹⁴ Multiple responses were accepted for this question.

The survey analysis sought to identify and summarize which actions residents would take if they were instructed to evacuate. Pine Bluff PIOs, in coordination with IEM, identified the following two evacuation steps in order of priority:

1. Evacuate as instructed.
2. Listen for or follow instructions.

For each evacuation step listed in Table 3, the proportion of respondents who indicated they would take that step is provided in the column labeled “Percentage of the total sample.” Because survey respondents were allowed to give multiple answers, the percentages for each evacuation step is not equal to the sum of the individual evacuation action percentages. The second column, labeled “Percentage of respondents taking cumulative steps” shows the percentage of survey respondents who indicated they would take that evacuation step along with all previous steps. For example, 24% of respondents said they would take steps 1 and 2.

Table 3: Evacuation Steps

Evacuation steps	Percentage of the total sample	Percentage of respondents taking cumulative steps
Step 1: Evacuate as instructed	65%	65%
Take at least one of the following actions:		
<ul style="list-style-type: none"> ▪ Leave home or workplace ▪ Follow the evacuation route 		
Step 2: Listen for or follow instructions	39%	24%
Take at least one of the following actions:		
<ul style="list-style-type: none"> ▪ Wait instructions/Listen for help ▪ Follow instructions/Do what told ▪ Follow evacuation route ▪ Listen to television, AM/FM radio, or TAR for correct evacuation route ▪ Listen to television, AM/FM radio, or TAR for location of reception/assistance ▪ Listen to television, AM/FM radio, or TAR ▪ Turn on television, AM/FM radio, or TAR 		

As shown in Figure 34, more IRZ residents (68%) say they will take evacuation Step 1 compared to PAZ residents (64%). Also, slightly more IRZ residents (40%) would take Step 2 compared to PAZ residents (39%).

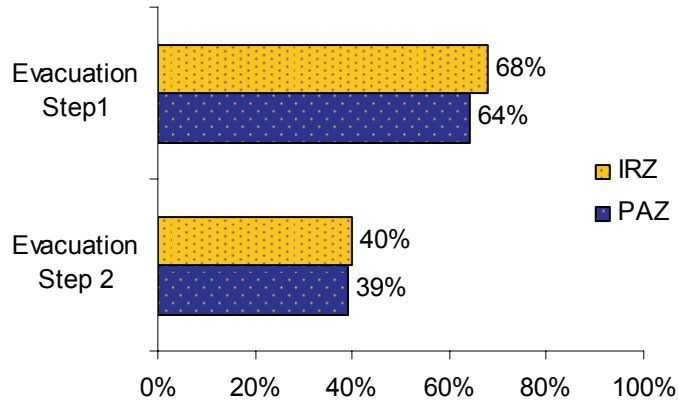


Figure 34: Evacuation Steps by IRZ/PAZ

It is also important to identify the percent of residents who would not follow the recommended protective action to evacuate.

- Slightly more than 2% of EPZ residents say they would not evacuate or do nothing if instructed to evacuate.

Shelter-in-Place

Sheltering-in-place is composed of a series of actions taken to make a structure safe from chemical exposure. As a protective action, sheltering-in-place allows people in immediate danger to protect themselves and their families quickly in their given location.

How confident are you that you know how to shelter in place in the event of a chemical emergency? (Q11)^{15,16}

In the May 2007 survey, 57% of respondents claim they are confident they can shelter-in-place properly. There have been no significant changes since the 2006 survey.

¹⁵ In November 2002, this question read: “How confident are you that you know how to shelter in place from chemical vapors in the event of a chemical emergency?” The phrase “from chemical vapors” was removed in October 2003.

¹⁶ In August 2005, the “don’t know” category was removed. If respondents answered “don’t know” they were asked to choose the category that most closely reflected their opinion.

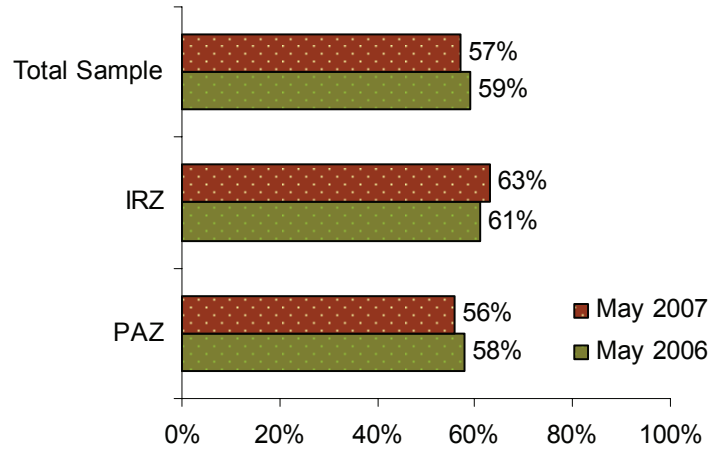


Figure 35: Confident in Ability to Shelter in Place

Figure 36 illustrates the percentage of residents who are confident they can shelter in place by County-EPZ group. In May 2007, the highest percentage of residents who were confident they can shelter in place are in Jefferson County IRZ (64%), while the lowest are in Dallas County PAZ with 42%.

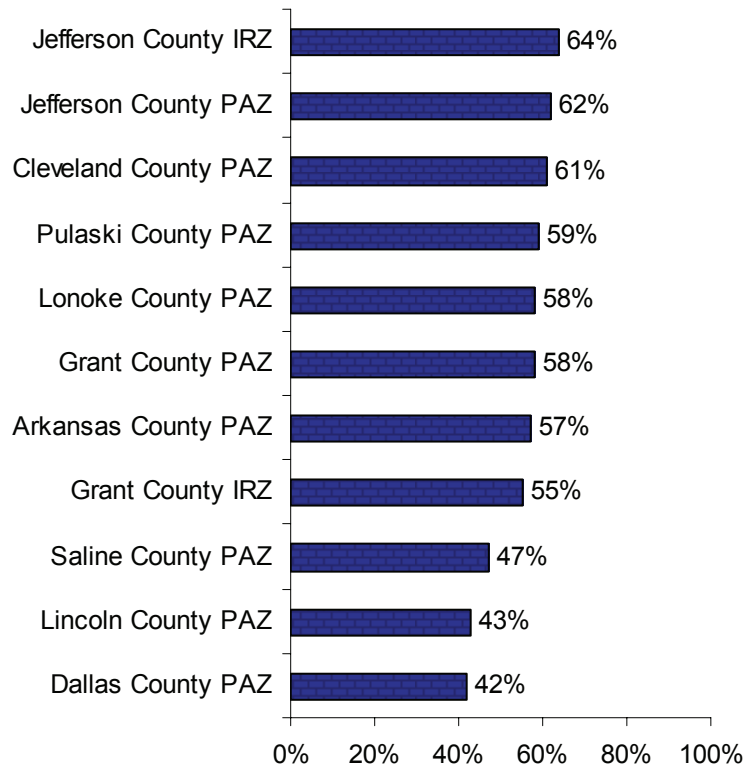


Figure 36: Confident in Ability to Shelter in Place by County-EPZ

The survey analysis found many statistical differences between residents who are confident they can shelter in place and those who are not confident they can shelter in place:

- Respondents who are confident they can shelter in place more often have a plan in the case of a natural disaster (51%) and a chemical emergency (47%).
- Of the respondents who are confident they can shelter in place, 24% have a SIP kit compared to 8% of those who are not confident.
- More residents that are confident they can shelter in place have a complete family plan (11%) than those residents who are not confident (2%).
- Of the respondents who are confident they can shelter in place, 19% expect to be alert by TAR compared to 9% of those who are not confident.
- Respondents that are confident they can shelter in place are more likely to get information from AM/FM radio (38%) than those who are not confident they can shelter in place (28%).
- Fewer residents who are confident they can shelter in place do not know how they will receive instructions during a chemical emergency (15%) than those who are not confident (29%).
- 76% of respondents who are confident they can shelter in place can be alerted to stop sheltering in place by official channels compared to 68% of those who are not confident.
- Of the people who are confident they can shelter in place, 67% will pick up their children from school compared to 85% of those who are not confident.
- More residents who are confident they can shelter in place recall their evacuation plan (19%), evacuation directions (18%), and evacuation route (30%).
- Of those who are confident they can shelter in place, 20% say they remember to follow instructions given during an emergency compared to 12% of those who are not confident they can shelter in place.
- 84% of people who are confident they can shelter in place believe they will be notified in the case of an emergency compared to 68% of others.
- People who are confident they can shelter in place (82%) more often claim they can protect themselves and their family during an emergency than others (43%).
- 43% of respondents that are confident they can shelter in place would prefer to receive CSEPP information by AM/FM radio compared to 30% of others.

If you were instructed to shelter in place, what actions would you take? (Q9)¹⁷

Figure 37 shows the top responses when people were asked what actions they would take if they were told to shelter in place:

- The highest individual response for this question remains “Go inside/stay inside” (28%).
- The proportion of people who say they would “close doors and windows” has increased from 18% in May 2006 to 25% in May 2007.
- More people say they would follow or listen for instructions in May 2007 (20%) compared to May 2006 (13%).
- 16% of residents sampled do not know what actions to take when instructed to shelter in place.

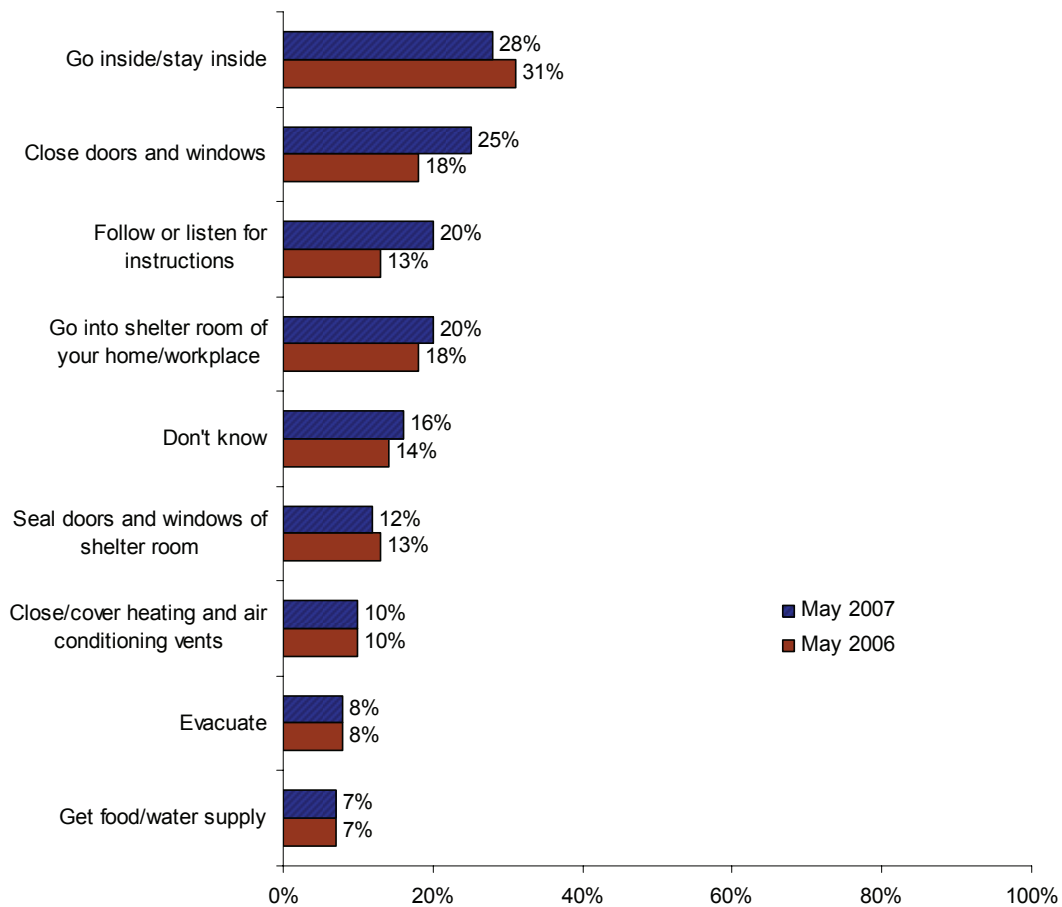


Figure 37: Actions Taken When Instructed to Shelter in place

¹⁷ Multiple responses were accepted for this question.

Since the previous surveys, the number of residents in the IRZ and PAZ who say they will perform an action has also changed:

- IRZ residents responding with “Don’t know” have increased by 3 percentage points (16% in 2007 vs. 13% in 2006).
- The number of IRZ residents responding with “Close doors and windows” has increased by 4 percentage points (32% in 2007 vs. 28% in 2006).
- The number of IRZ residents responding with “Follow or listen for instructions” has increased by 5 percentage points (13% in 2007 vs. 8% in 2006).
- PAZ residents responding with “Don’t know” have increased by 2 percentage points (16% in 2007 vs. 14% in 2006).
- The number of PAZ residents responding with “Close doors and windows” has increased by 8 percentage points (24% in 2007 vs. 16% in 2006).

The survey analysis sought to identify and summarize which actions residents would take if they were instructed to shelter in place. To determine the level of knowledge of residents regarding shelter-in-place, it is important to identify which combination of shelter-in-place actions are necessary in order to shelter in place safely. Pine Bluff PIOs, in coordination with IEM, identified six shelter-in-place steps in order of priority, namely:

1. Go inside with household members and pets and close and lock all doors and windows.
2. Turn off heating, air conditioning, and ventilation systems (e.g., fans, fireplace flues).
3. Take a pre-packed emergency kit containing necessities, such as bottled water, non-perishable food items, and prescription medications, to an interior room. Close and lock the door.
4. Use scissors, duct tape, and plastic to seal areas that would allow air to come into the room, including door or window cracks, heating or air conditioner vents, and electrical outlets.
5. Listen to an AM/FM radio, television, or tone alert radio (TAR) for further instructions from emergency officials.
6. When notified by emergency officials, exit the shelter and follow officials’ relocation instructions to safety.

Table 4 and Figure 38 show the percentage of survey respondents who say they would take shelter-in-place steps 1–5. Step six is not included in this table or graph because the question “If you were instructed to shelter in place, what actions would you take?” did not capture that type of information. The percentage of survey respondents who indicated they would take each step is provided in the column labeled “Percentage of the total sample.” Because survey respondents were allowed to give multiple actions they would take when instructed to shelter

in place, the percentages for each shelter-in-place step may not equal the sum of the individual shelter-in-place action percentages. The second column of percentages labeled “Percentage of respondents taking cumulative steps” shows the percentage of survey respondents who indicated they would take that shelter-in-place step along with all previous steps. For example, 26% of respondents said they would take steps 1a and 1b.

Table 4: Shelter-in-Place Steps

Shelter-in-place steps	Percentage of total sample	Percentage of respondents taking cumulative steps
Step 1a: ▪ Go inside or stay inside ¹⁸	59%	59%
Step 1b: ▪ Take at least one of the following actions: • Close doors and windows • Lock doors and windows	26%	26%
Step 2: ▪ Turn off heating, air conditioning, and ventilation systems	2%	1.2%
Step 3: ▪ Go into an interior or shelter room	21%	0.8%
Step 4a: ▪ Seal doors and windows of shelter room ¹⁹	14%	0.7%
Step 4b: ▪ Close and/or cover heating and air conditioning vents	10%	0.6%
Step 5: ▪ Listen to EAS, AM/FM radio, TV, or TAR for further instructions from emergency officials	22%	0.5%

It is also important to identify the percent of residents who would not follow the recommended protective action to shelter in place.

- 8% of residents say they would evacuate if instructed to shelter-in-place. This includes 9% of the residents in the IRZ and 7% of the residents in the PAZ.

¹⁸ This category includes all responses that indicate the resident would go or stay inside.

¹⁹ This category includes all responses that indicate the resident would seal doors and windows or use their shelter-in-place kit.

The percentage of residents for each shelter-in-place step separated by IRZ and PAZ residents is shown in Figure 38.

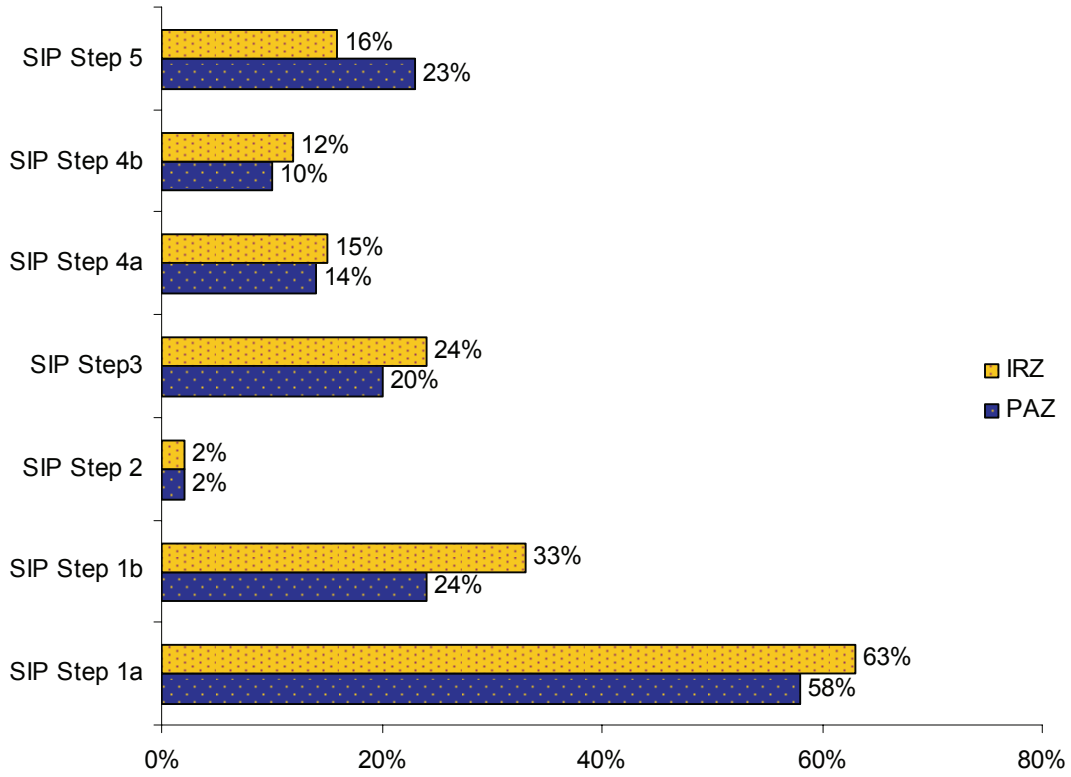


Figure 38: Shelter-in-Place Steps by IRZ/PAZ

How would you know it would be safe to stop sheltering-in-place? (Q10)^{20,21}

Figure 39 shows the top answers respondents gave when asked how they can be notified it is safe to stop sheltering in place.

- The top two answers remain AM/FM radio (39%) and television (35%).
- The proportion of residents who do not know how they will be notified to stop sheltering in place has gone up from 17% in May 2006 to 22% in May 2007.

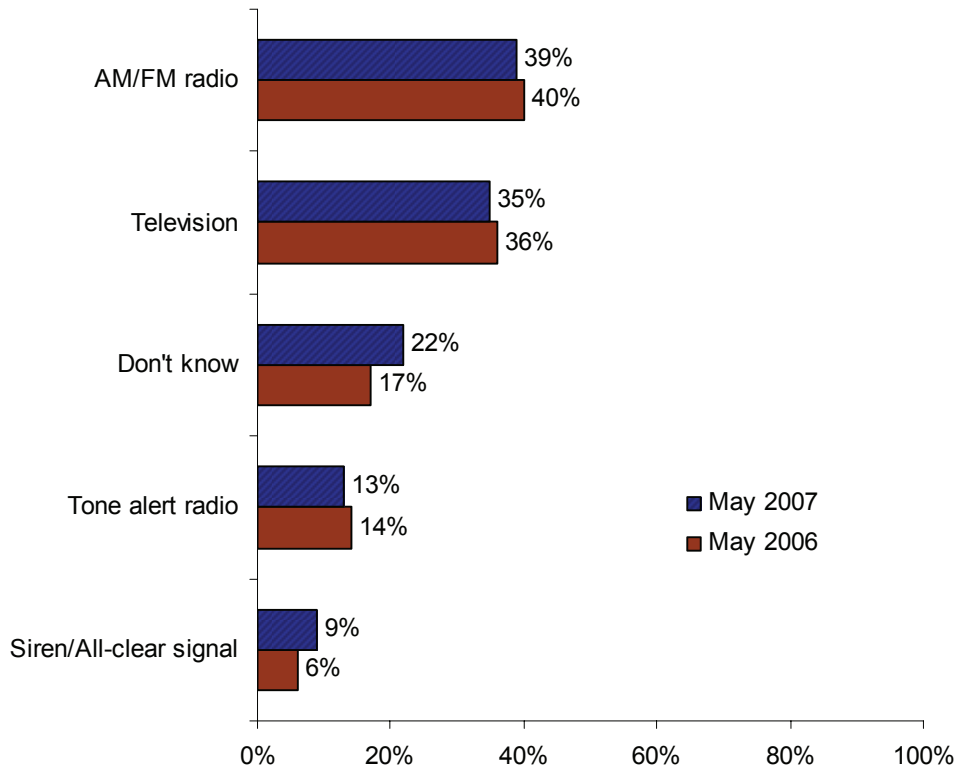


Figure 39: Notification to Stop Sheltering-in-Place

Official channels that will notify residents it is safe to stop sheltering in place include TAR, siren, and EAS through AM/FM radios and TV. Of all the residents sampled in May 2007, 73% can be alerted to stop sheltering in place through official channels. This percentage has increased the past two years from 68% in May 2006 and 57% in August 2005.

²⁰ Multiple responses were accepted for this question.

²¹ This question was not asked in the November 2002 survey.

Figure 40 compares the sources from which residents expect to be notified when it is safe to stop sheltering in place.

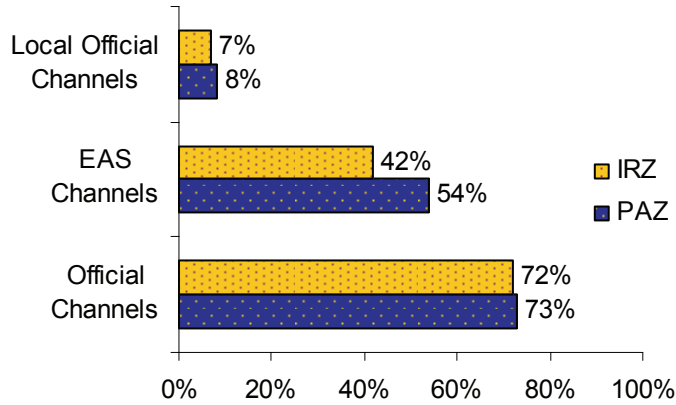


Figure 40: Sources for Notification to Terminate Sheltering-In-Place for IRZ/PAZ residents

School Preparedness

To assess parents' knowledge and compliance with school chemical emergency plans, they were asked questions regarding their familiarity with their children's school chemical emergency plan, the level of confidence they have in the school's ability to keep their children safe during a chemical emergency, and the likelihood that they will try to pick up their children at school in the event of a chemical emergency.

Do you have children in a local school in grades K–12? (Q14)

There are approximately one-in-five (22%) residents who have children in local schools. This has not changed statistically from previous surveys. As shown in Figure 41, Grant County IRZ (38%) has the highest percentage of parents with children in local schools (K–12) compared to the other County-EPZ groups (13–28%).

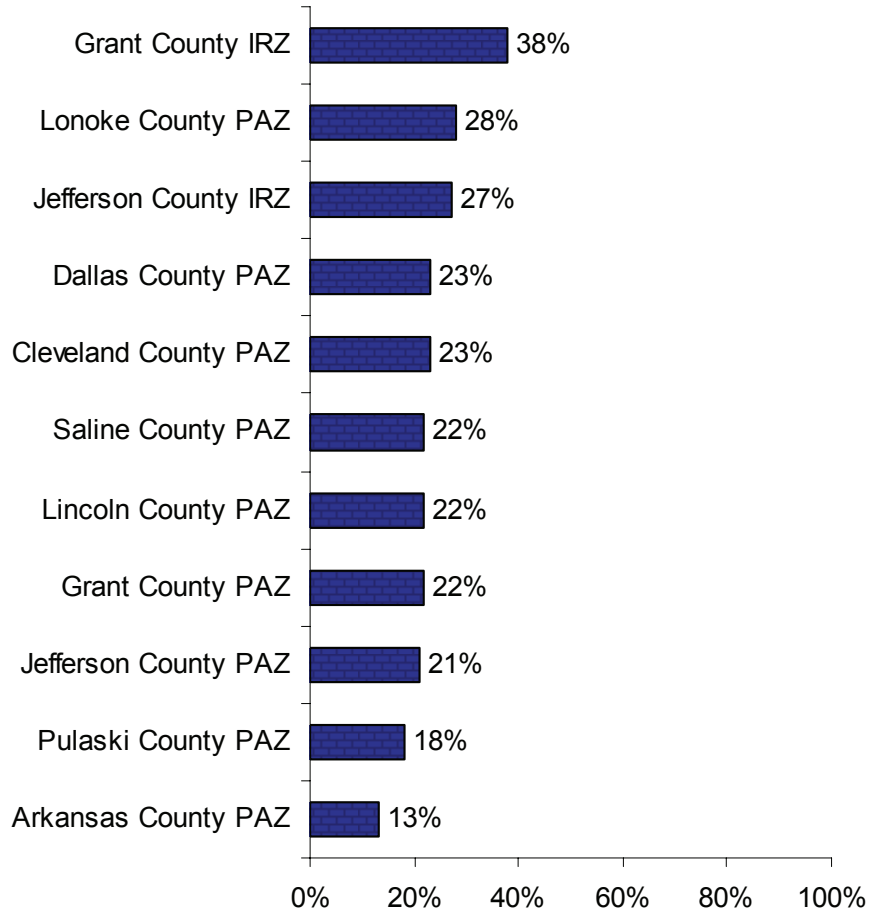


Figure 41: Respondents with Children in Local Schools (K–12) by County-EPZ

**Are you familiar with the emergency plan at your children's schools?
(Q15)²²**

In May 2007, 46% of parents said they are familiar with their children's school emergency plan. This has remained constant since the May 2006 survey, and is still down from 59% of sampled parents in August 2005. As seen in previous years, awareness of school emergency plans is higher in the IRZ.

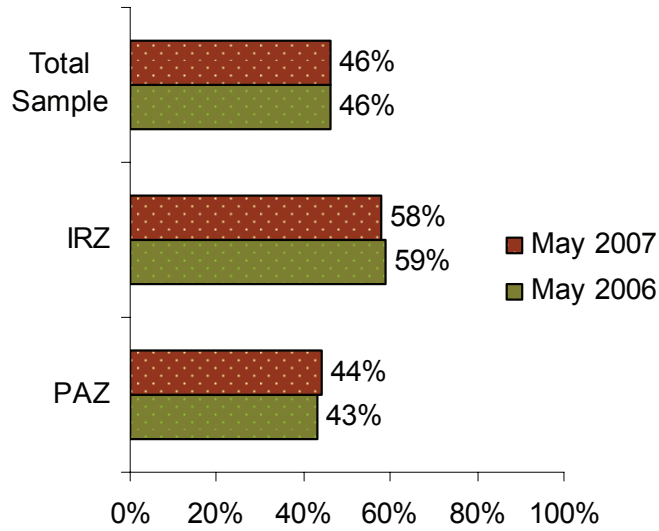


Figure 42: Familiar with School Emergency Plan by IRZ/PAZ

²² This question was not asked in the November 2002 survey or the October 2003 IRZ survey.

Figure 43 shows that fewer Lincoln County PAZ (13%) and Dallas County PAZ (14%) are familiar with their children’s school emergency plan compared to the other groups (24–71%).

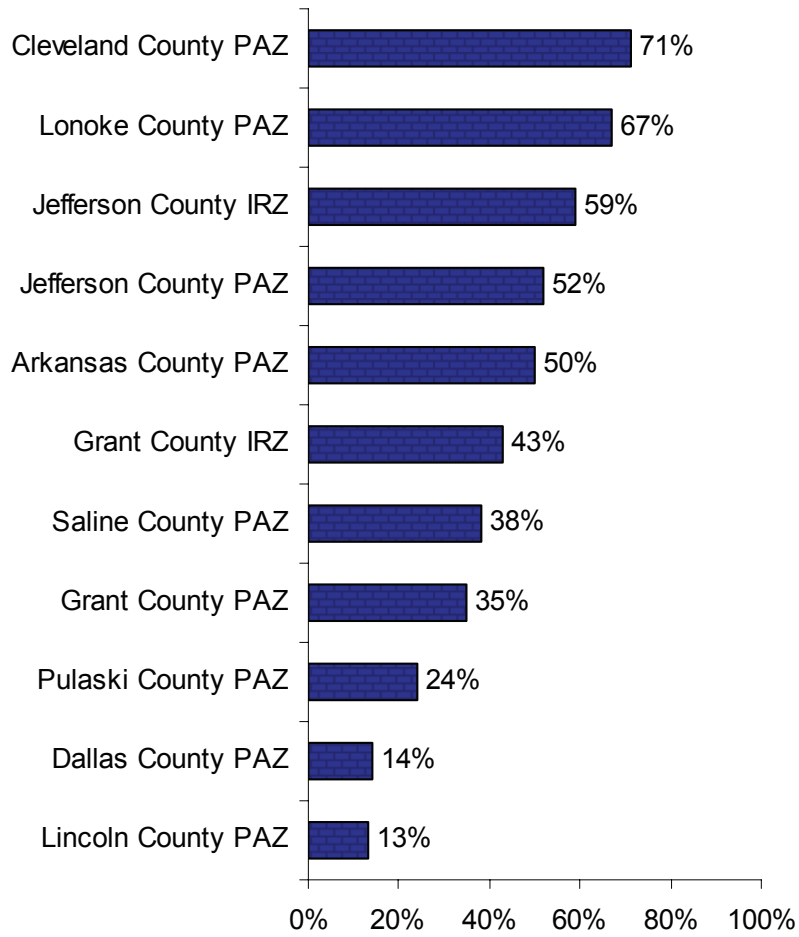


Figure 43: Familiar with School Emergency Plan by County-EPZ

How confident are you that your children would be safe in the care of their schools in the event of a chemical emergency at the Pine Bluff Arsenal? (Q16)

The majority of parents (72%) said they are confident that their children would be safe at their school in the event of a chemical emergency at the Pine Bluff Arsenal. This figure has not significantly changed since the May 2006 survey. Also, as seen in last year's survey, the proportion of parents who live in the PAZ that are confident that their children would be safe in the care of their school during a chemical emergency is slightly greater than that of the IRZ.

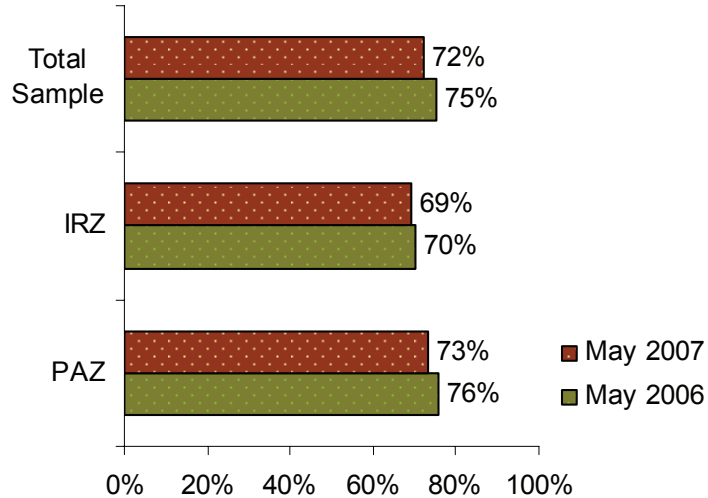


Figure 44: Parents' Confidence in Children's Safety at School by IRZ/PAZ

As shown in Figure 45, more Cleveland County PAZ parents (100%) are confident that their children will be safe in the care of their school compared to the other County-EPZ groups (38–81%).

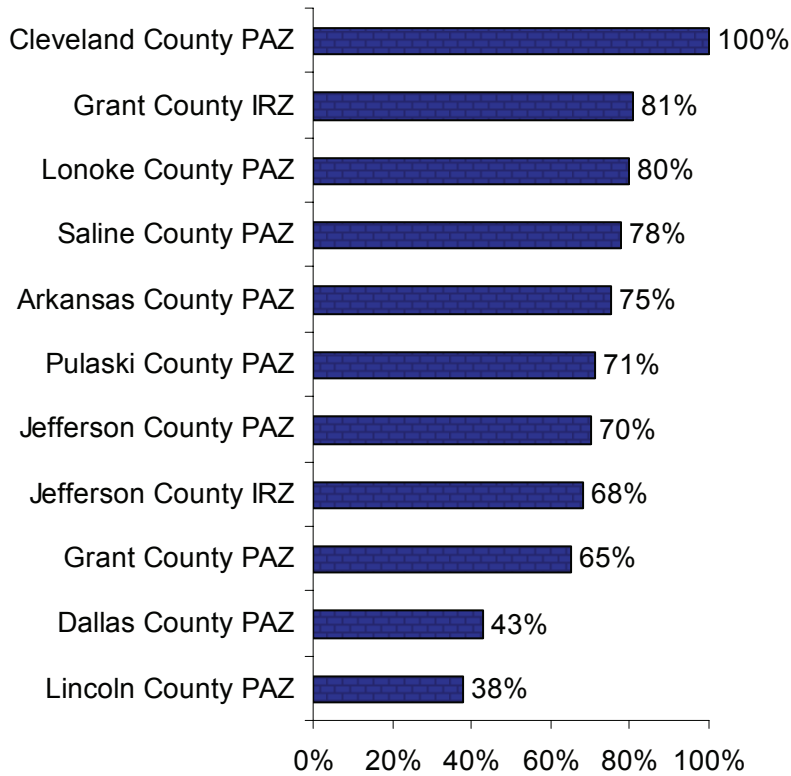


Figure 45: Parents' Confidence in Children's Safety at School by EPZ-County

In the event of a chemical emergency at the Pine Bluff Arsenal, are you likely or unlikely to go to the school to get your children? (Q17)

As shown in Figure 46, 75% of parents in the EPZ say they are likely to go to school to get their children during a chemical emergency.

- The percentage of parents in the IRZ that are likely to pick up their children at school has increased from 58% in 2006 to 70% in 2007.

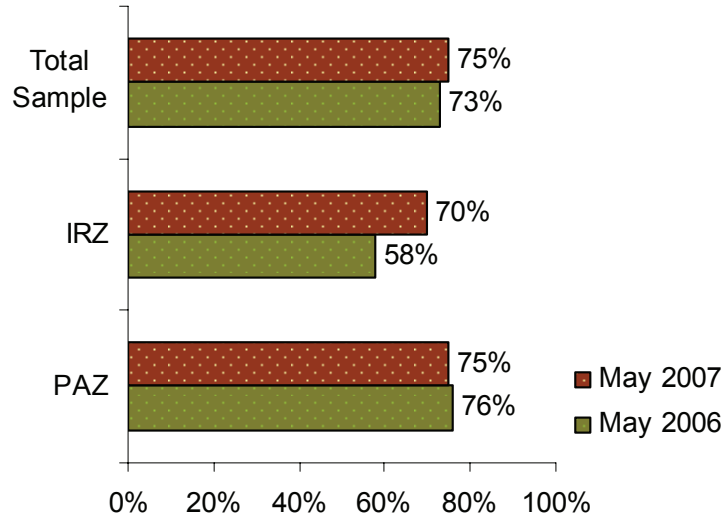


Figure 46: Parents' Likelihood of Getting Their Children from School by IRZ/PAZ

As illustrated in Figure 47, fewer Cleveland County PAZ and Grant County IRZ parents (57%) plan to pick up their children from school during a chemical emergency compared to the other groups in the graph (70–100%).

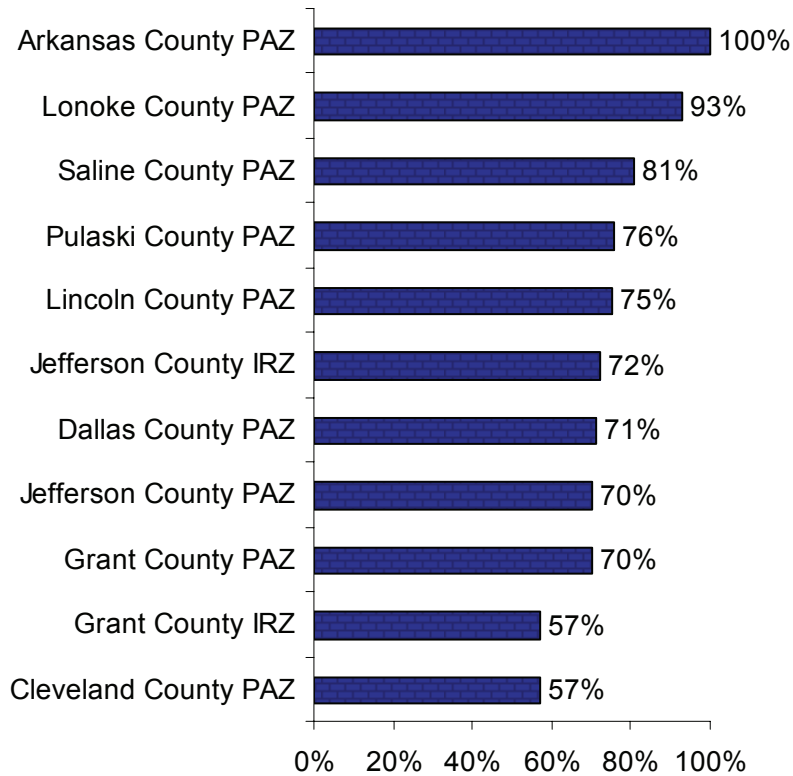


Figure 47: Parents' Likelihood of Getting Their Children from School by EPZ-County

Would you pick up your children immediately or when notified that it is safe to do so? (Q17b)²³

Only parents who said they are somewhat likely or very likely to pick up their children from school were asked this question. This question is important because it clarifies when parents intend to pick up their children during an emergency.

Summarizing the actions of all EPZ parents, close to half (47%) of parents will go to their children’s school immediately, 28% will go when notified it is safe to do so, and 25% are not likely to pick up their children from school.

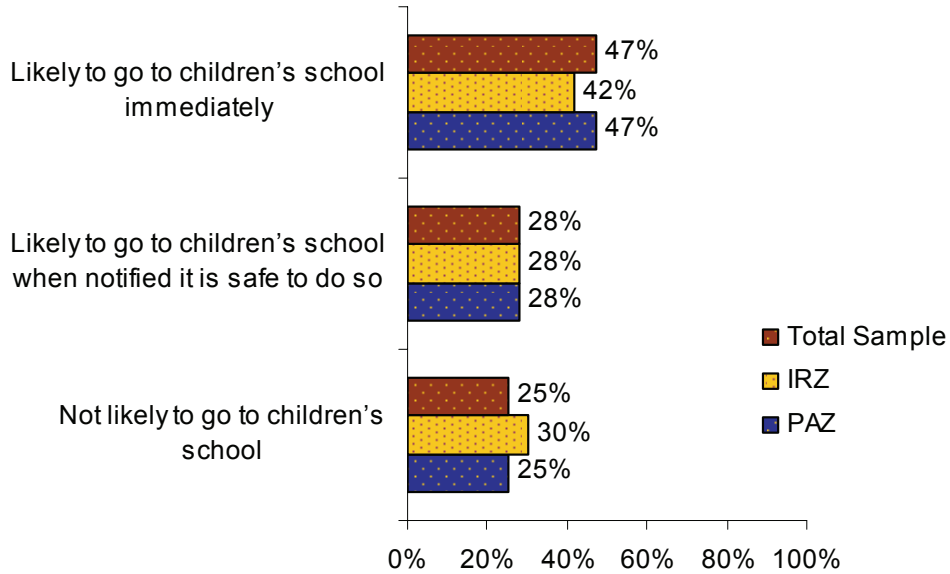


Figure 48: Summary of Parents Picking Up Children by IRZ/PAZ

²³ The Pine Bluff site added this question in August 2005.

Figure 49 shows the County-EPZ group breakdown for those groups that have approximately 30 parents or more in each group. Of these County-EPZ groups, Lincoln County PAZ parents have the highest percentage (75%) who say they are likely to get their children immediately from school during a chemical emergency.

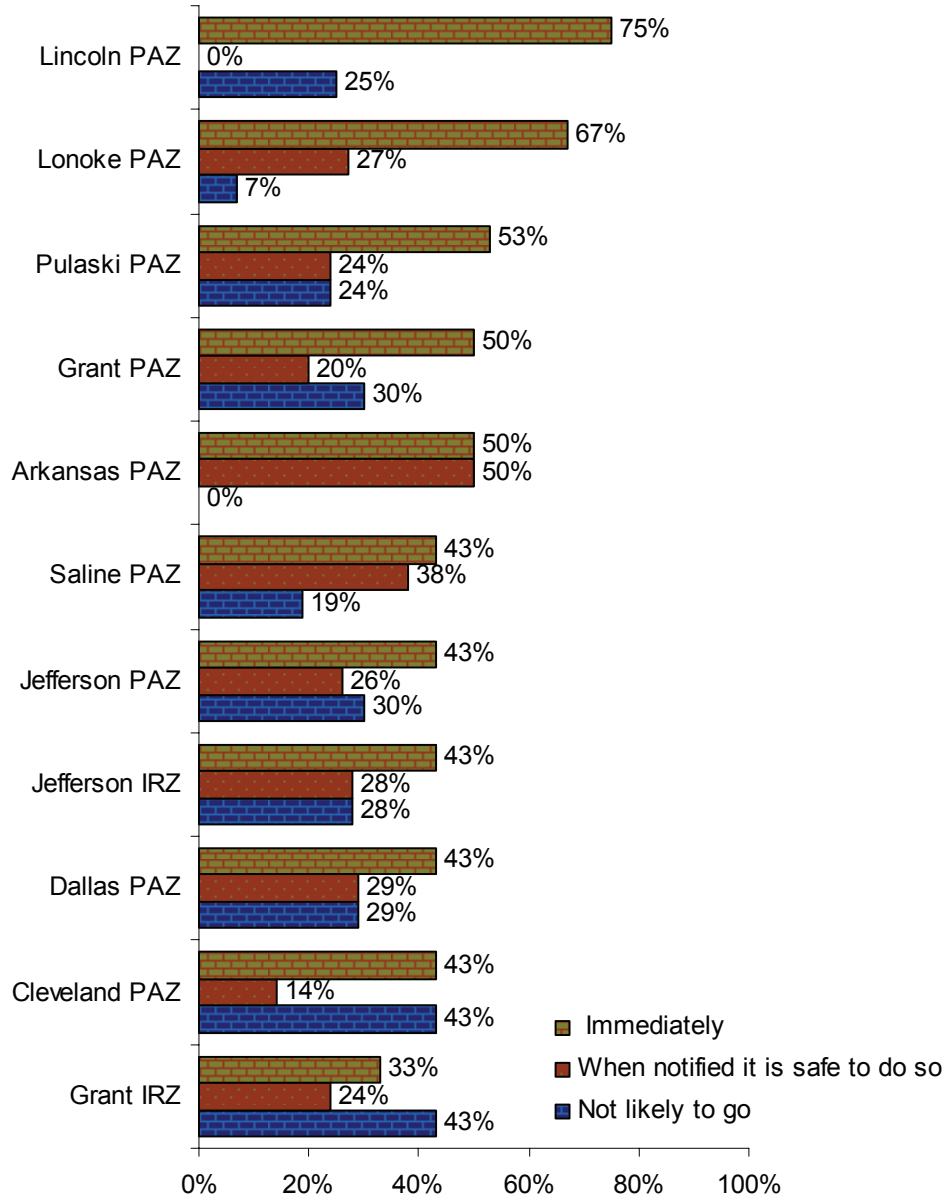


Figure 49: Summary of Parents Picking Up Children by County-EPZ

Why do you say that? (Q18)²⁴

Parents who said they are likely to pick up their children from school during a chemical emergency immediately or when they were notified it was safe to do so were asked to clarify why they were likely to do so. The results are given in Figure 50 and Figure 51, respectively.

The most common responses from parents who are likely to pick up their children immediately are provided below:

- The number one response is “My children are safer with me” (54%). This has decreased from 59% in May 2006.
- The proportion of parents who want their children with them so they can leave the area has increased within the past year from 15% to 23%.
- Note that 12% say they do not trust the school, which is up from 7% last year.

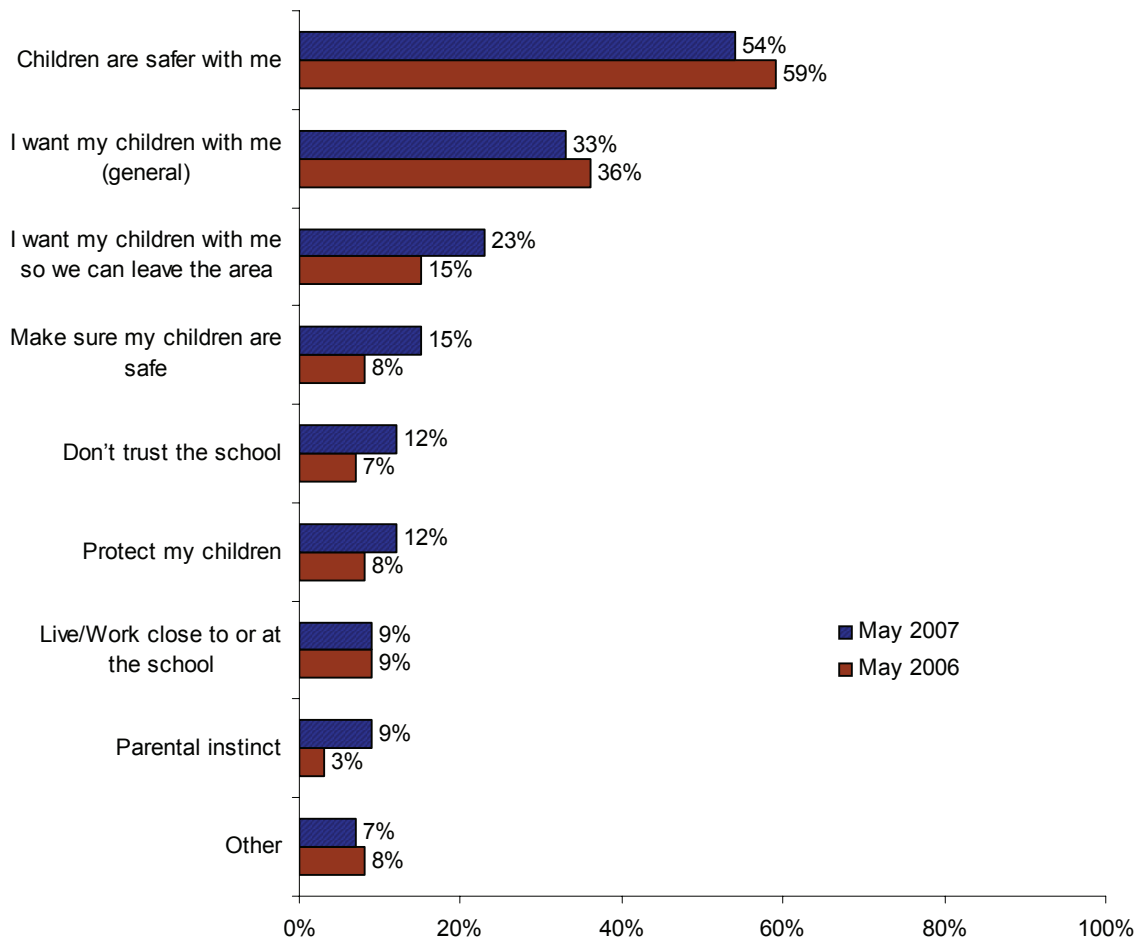


Figure 50: Reasons Why Parents are Likely to Get Their Children Immediately

²⁴ Multiple responses were accepted for this question.

Parents’ reasons for saying they will pick up their children from school during a chemical emergency only when notified to do so has changed dramatically since the May 2006 survey.

- In May 2006, 30% of parents said because “My children are safer with me”. Within the past year, this figure has dropped 25 percentage points to only 5% in May 2007.
- “I want my children with me” has also dropped from 18% in 2006 to 6% in 2007.
- The top answer for the 2007 survey, “Don’t want to place self or others at risk” is up from 11% in 2006 to 34%.

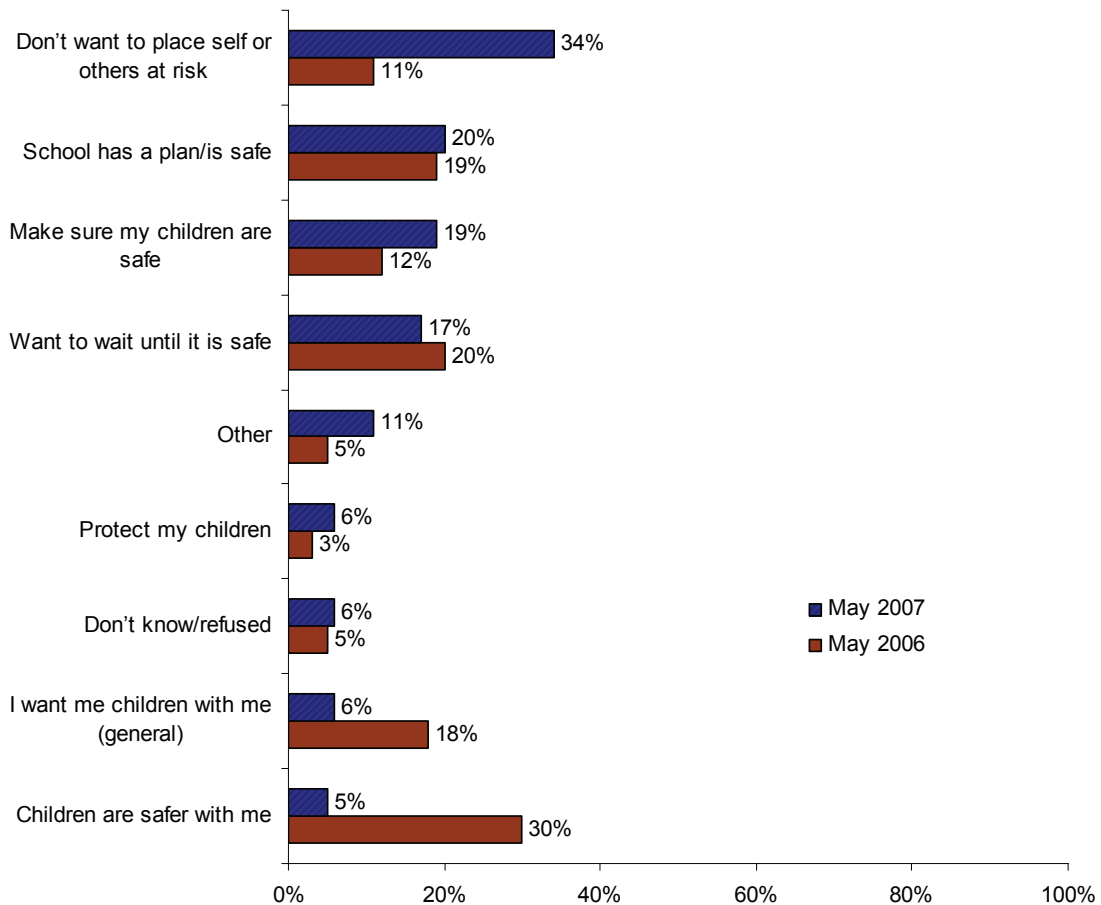


Figure 51: Reasons Why Parents are Likely to Get Their Children When Notified it is Safe to do so

**Why do you say you are unlikely to get your child/children from school?
(Q18b)²⁵**

Parents who said they are unlikely to pick up their children from school were asked to clarify why they would do so. See Figure 52 for results.

- The most common response from these parents is “School has a plan/school is safe” (33%). This figure is up from 18% in 2006.

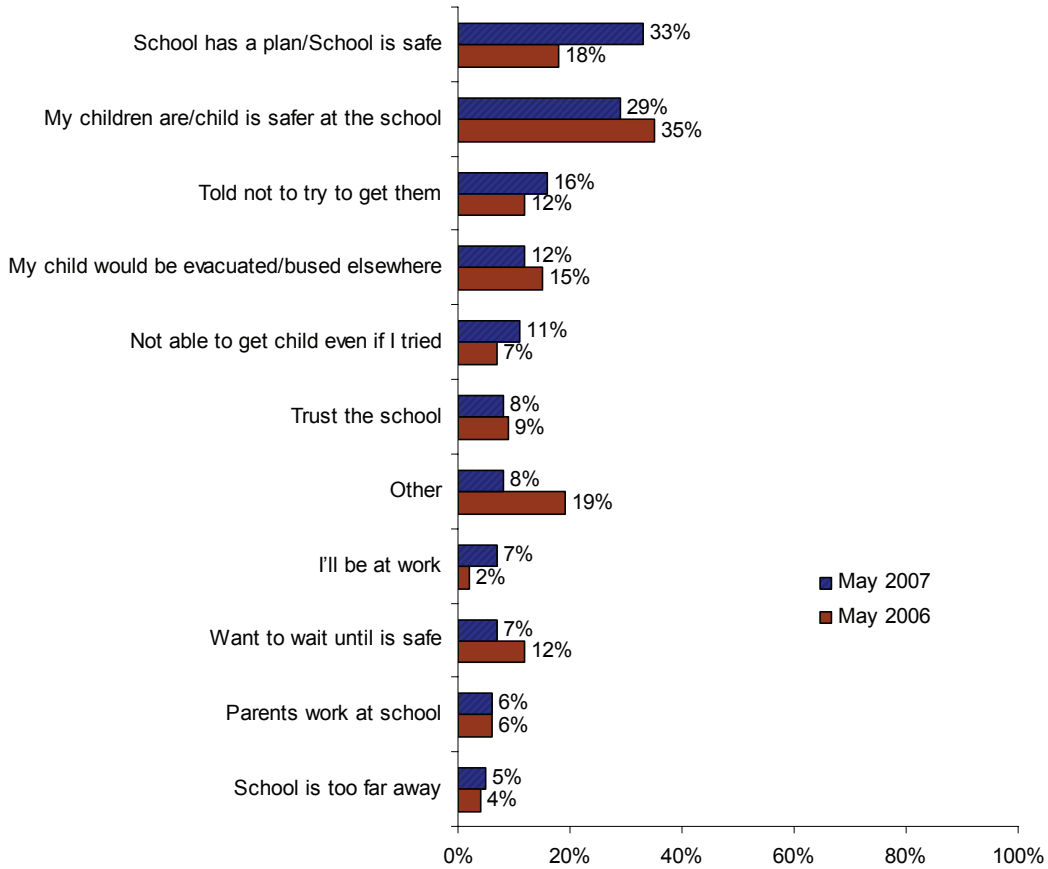


Figure 52: Reasons Why Parents are Unlikely to Get Their Children from School

²⁵ Multiple responses were accepted for this question.

CSEPP Information

Pine Bluff PIOs have targeted their audience through channels such as a media campaign, an annual preparedness calendar, a Web site containing preparedness information, brochures, a coloring book, and the manning of a toll free telephone number for information. The following questions were designed to identify sources that are reaching residents and those sources that are preferred by residents in the Pine Bluff EPZ.

Actual Sources

The following section includes a series of questions that identify where and when residents have received CSEPP information.

When was the last time you heard, saw, or read any information about how to prepare for a chemical emergency? (Q19)²⁶

Figure 53 shows that 69% of all residents in the Pine Bluff Arsenal EPZ say they have received information about how to prepare for a chemical emergency. This figure has increased from 65% in May 2006.

- 28% of residents sampled say they have received CSEPP information within the last week, and 14% say they have received information within the last month.
- The proportion of residents who say they have not received CSEPP has decreased from 36% in May 2006 to 31% in May 2007.

²⁶ In April 2004, the categories “Don’t recall receiving CSEPP information” and “Have received CSEPP information but don’t recall when it was received” were added to this question to further clarify the “don’t know” responses.

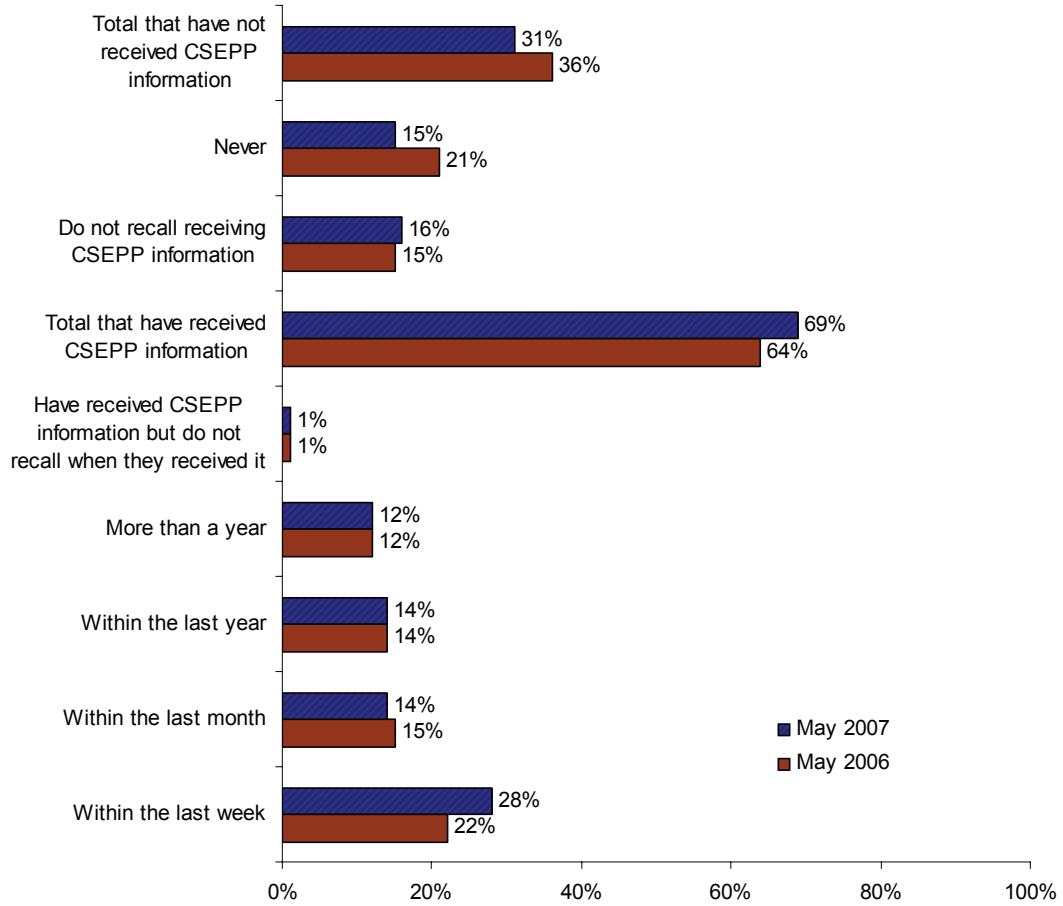


Figure 53: Received Emergency Preparedness Information

Figure 54 shows that more IRZ residents have received CSEPP information (78%) than PAZ residents (68%).

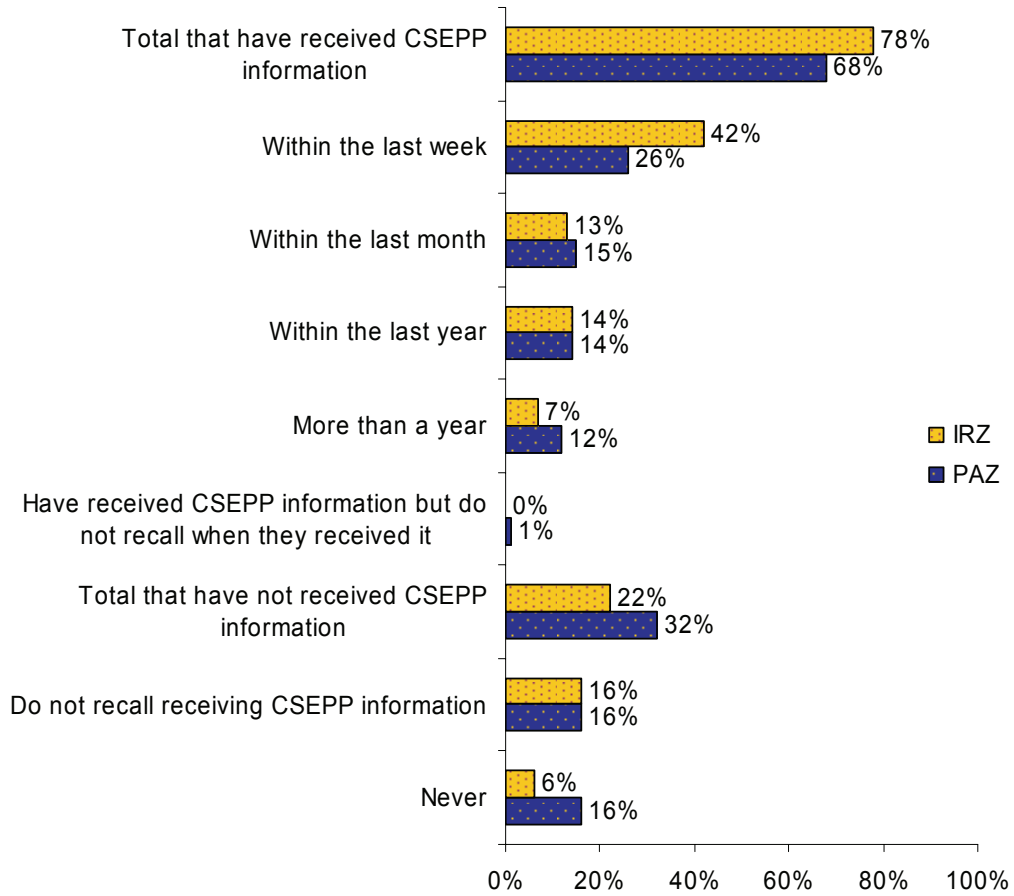


Figure 54: Received Emergency Preparedness Information by IRZ/PAZ

Figure 55 illustrates the proportion of residents in each county who have received CSEPP information.

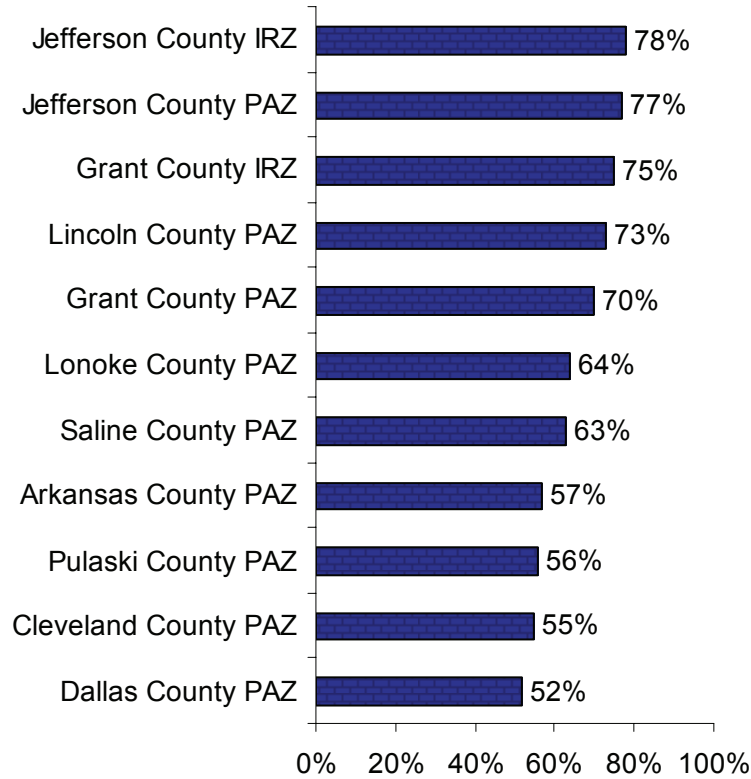


Figure 55: Received Emergency Preparedness Information by County-EPZ

As in previous years, there are many statistically significant differences between the residents who say they have received chemical emergency preparedness or CSEPP information and those who say they have not:

- Respondents that have received CSEPP information are more aware (94%) of chemical agents being stored than those respondents who have not (77%).
- More residents who have received CSEPP information have an emergency plan in the case of a natural disaster (45%) and a chemical emergency (44%).
- In the event of an emergency, respondents who have received CSEPP information are more likely to have a family meeting place (46%), a SIP kit (21%), and at least a half tank of gas in their car at all times (76%).
- Respondents who have not received CSEPP information more often said they do not know how they will be alerted of a chemical emergency (18%) compared to those who have received information (7%).
- When alerted of a chemical emergency, more residents that have received CSEPP information will evacuate (59%) than residents who have not received information (38%).

- 73% of respondents that have received CSEPP information will receive instruction during a chemical emergency from official channels compared to 57% of those who have not received information.
- 27% of residents who have received CSEPP information will complete the full evacuation procedure when instructed to evacuate compared to 16% of those who have not received information.
- Fewer residents that have received CSEPP information (11%) will not know what to do if told to shelter in place compared to those who have not received information (27%).
- Of residents that have received CSEPP information, 77% will know to stop sheltering in place from official channels compared to 62% of those who have not received CSEPP information.
- Parents who have received CSEPP information (52%) are more likely to know their child's school plan compared to parents who have not received information (28%).
- More residents that have received information (81%) are confident the public will be notified of an emergency than others (67%).
- 71% of people that have received CSEPP information feel that they can protect themselves in the event of a chemical emergency, while only 52% of those who have not received information do.

How have you received information about how to prepare for a chemical emergency? (Q20)^{27,28}

Figure 56 illustrates the top sources by which EPZ residents have received CSEPP information.

- Television remains the top source in the May 2007 survey with 39% of respondents. This figure has increased by 6 percentage points since May 2006.
- The percentage of people who have received CSEPP information through the mail has risen from 5% in 2006 to 9% in 2007.

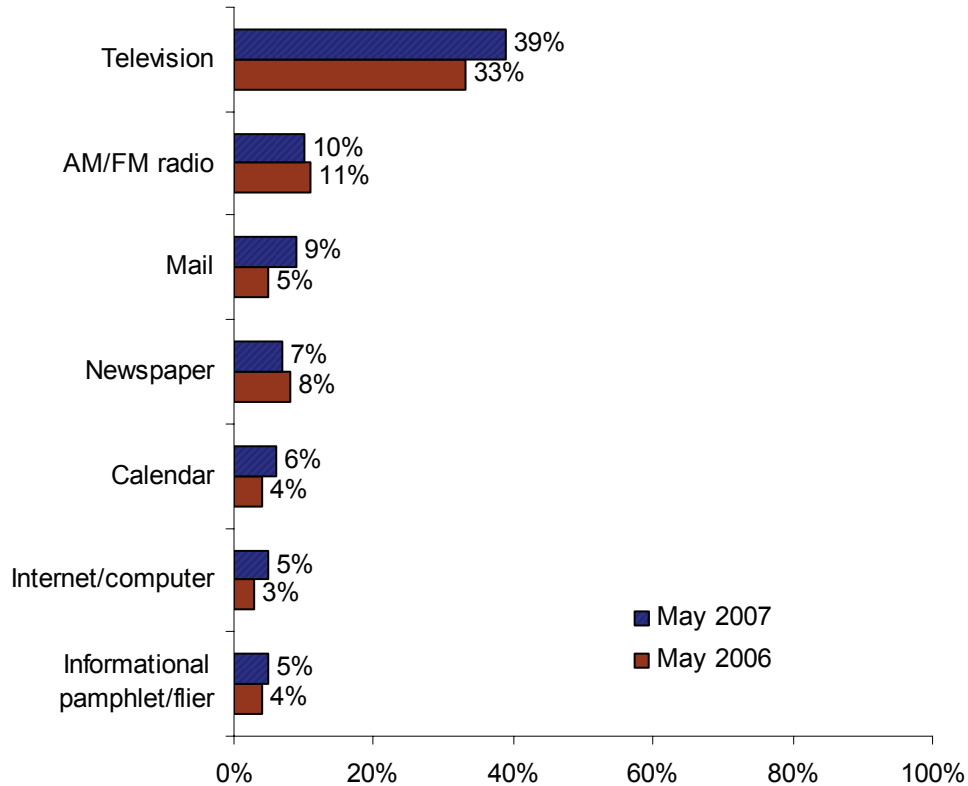


Figure 56: Actual Sources of Emergency Preparedness Information

Residents of the PAZ and IRZ say they have received CSEPP information in many of the same ways, with the exception of more IRZ residents (17%) having received information in the mail compared to PAZ residents (7%).

What do you recall from what you heard, saw, or read? (Q21)²⁹

In the May 2007 survey, there have been overall increases in the amount of residents that can recall CSEPP information on being prepared in a chemical

²⁷ In November 2002, this question was an aided yes/no question with the following wording: “Did you receive this information by...” In order to collect more detailed information, this question was changed to be open-ended in October 2003.

²⁸ Multiple responses were accepted for this question.

²⁹ Multiple responses were accepted for this question.

emergency. Figure 57 shows that more residents in 2007 recall evacuation route (24% vs. 18%), evacuation plan (16% vs. 9%), evacuation directions (15% vs. 8%), general instructions (18% vs. 9%), and to follow instructions given (13% vs. 5%).

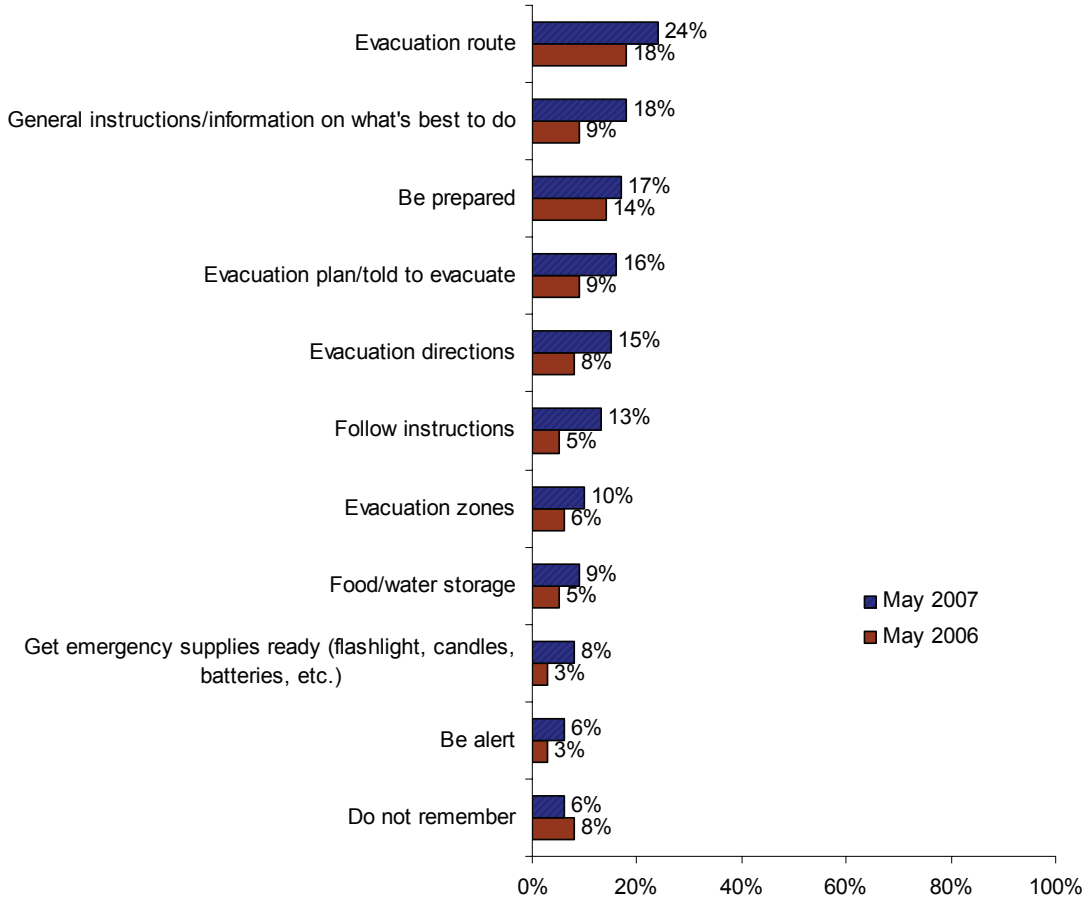


Figure 57: Content of Emergency Preparedness Information

The type of CSEPP information recalled by respondents in the IRZ and the PAZ is similar except respondents in the IRZ tend to recall more about evacuation (i.e., route, zones).

Preferred Sources

The following question asked respondents to identify the source from which they would prefer to receive information.

**How would you prefer to receive emergency preparedness information?
(Q25)^{30,31}**

The top responses for how all EPZ residents prefer to receive chemical emergency preparedness information are: television (60%), AM/FM radio (38%), direct mail (36%), newspaper (17%), Internet (17%), and calendar (12%).

Figure 58 shows the varying preferences between residents in the IRZ and PAZ.

- More IRZ residents prefer to receive CSEPP information by direct mail (45%) or calendar (19%).

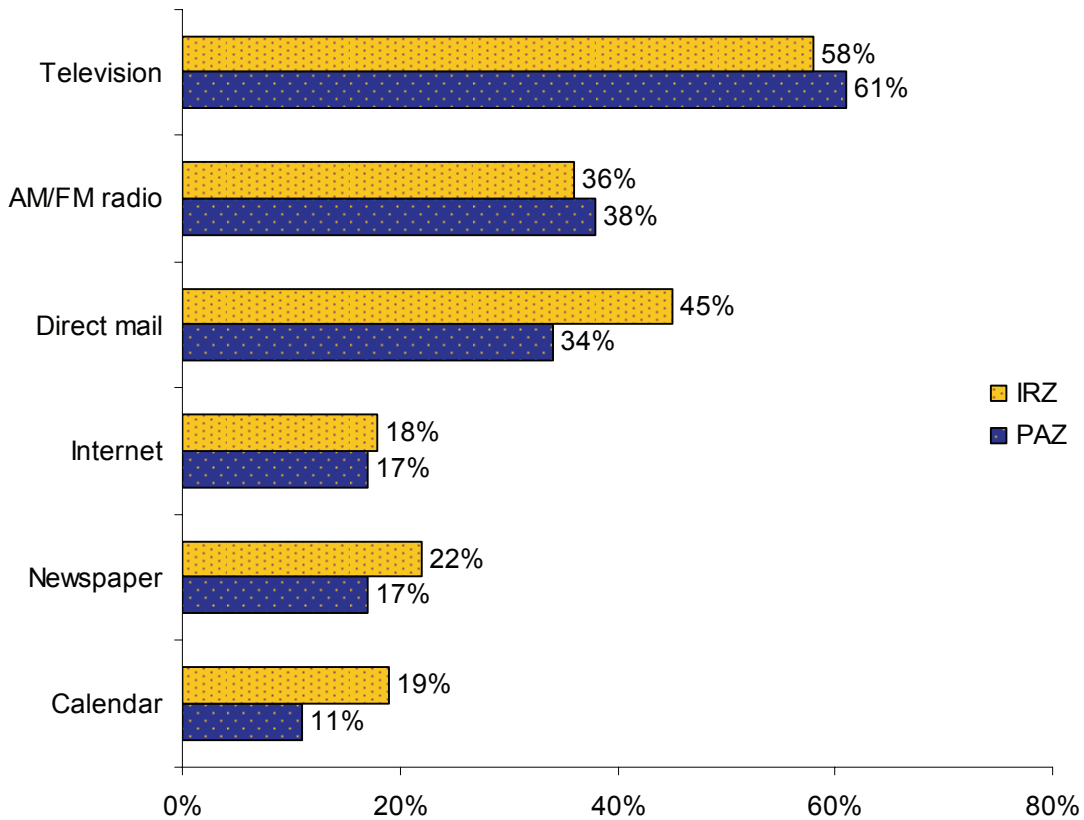


Figure 58: Preferred Sources of Emergency Preparedness Information by IRZ/PAZ

Some percentages of PAZ residents have changed since the May 2007 survey:

- The percentage of PAZ residents who would like to receive information by direct mail (34%) has decreased by 8 percentage points since May 2006 (42%).
- In 2007, more PAZ prefer to receive information through AM/FM radio (38%) compared to 2006 (31%).

³⁰ This question was not asked in the November 2002 survey.

³¹ Multiple responses were accepted for this question.

Trust and Control Model

Through research of case studies which span several decades, IEM has identified two principal strategies for helping residents living near a potentially hazardous facility prepare to properly protect themselves in case an emergency occurs at that facility:

1. Provide the public with a sense of control.
2. Enhance the public’s trust in the management and personnel of the emergency preparedness program.

Two survey questions were used to evaluate the levels of trust and control present in residents living in the Pine Bluff CSEPP EPZ. The next two subsections present the survey results for these questions.

Trust

To assess the residents’ level of trust in emergency personnel, they were asked the following question:

How confident are you that the public will be notified quickly in case of a chemical emergency at the Pine Bluff Arsenal? (Q22)

Figure 59 shows a slight increase (from 72% in 2006 to 76% in 2007) in the proportion of residents sampled that are confident the public will be notified quickly in case of a chemical emergency.

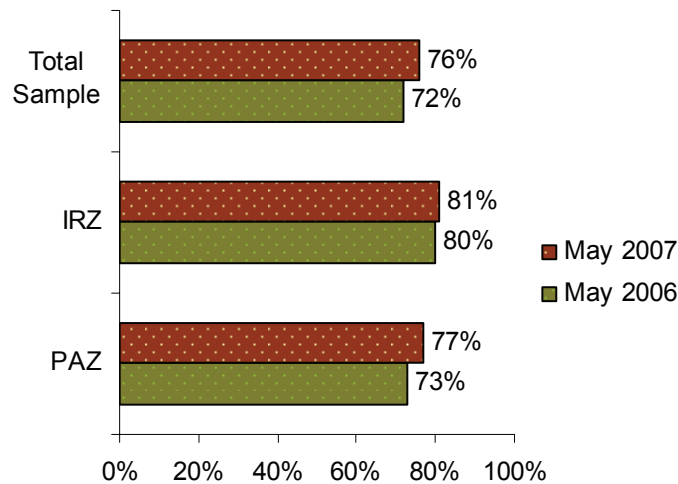


Figure 59: Confidence in the Public Being Notified Quickly of a Chemical Emergency by IRZ/PAZ

Residents were asked to clarify why they were or were not confident that they would be notified quickly. Residents gave a variety of reasons for their level of confidence. A detailed list of the responses to this question is provided in Appendix A: Pine Bluff CSEPP Survey Tabulations.

Figure 60 illustrates the top responses associated with residents who are confident they will be notified quickly. The percentages shown in Figure 60 are out of the total sample of survey respondents.

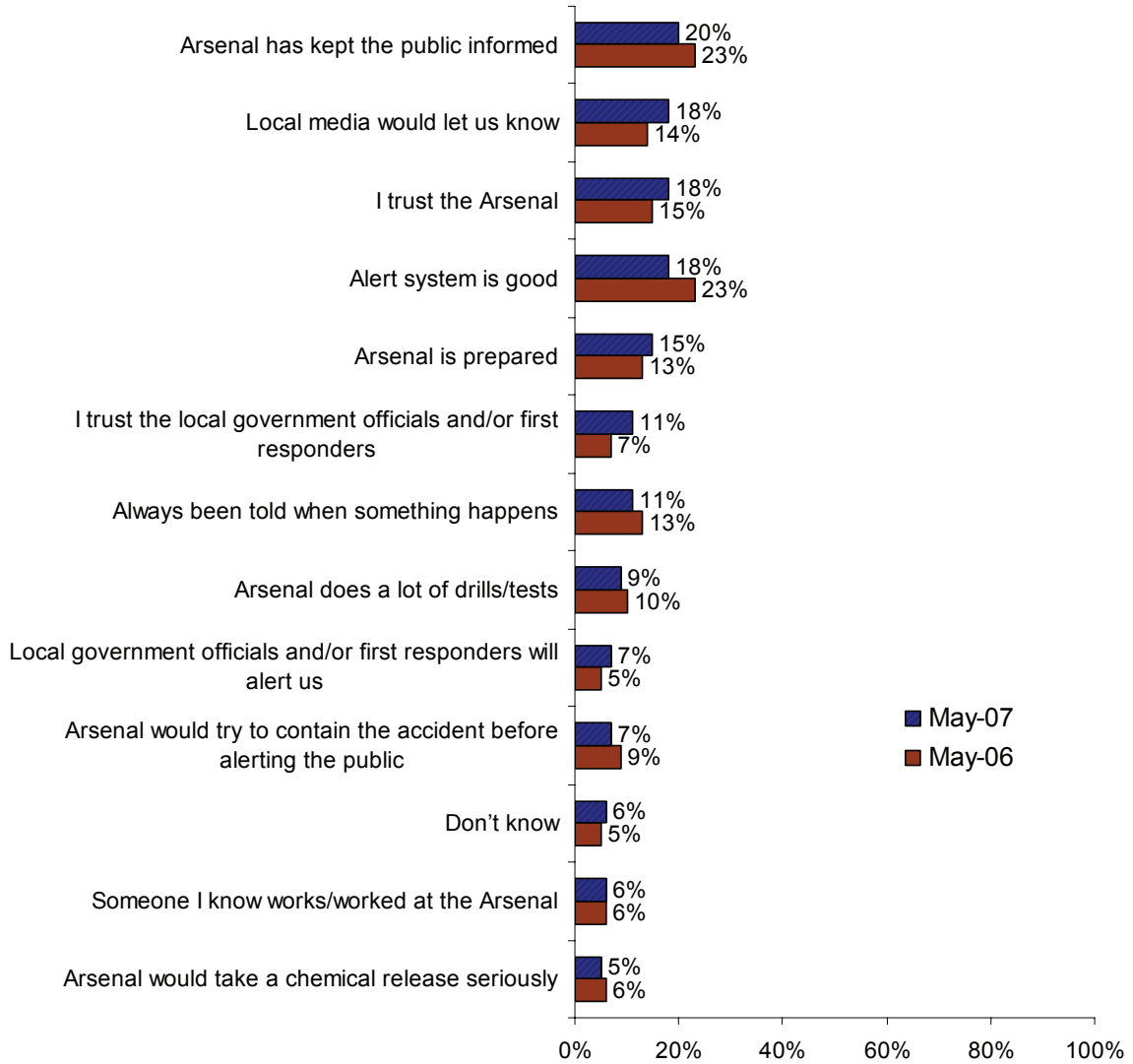


Figure 60: Reasons Residents are Confident that the Public will be Notified Quickly in Case of a Chemical Emergency

Control

In order to evaluate how residents perceive their roles in their own safety during a chemical emergency, residents were asked if they agree or disagree that they can protect themselves and their families in case of an emergency.

Please tell me if you agree or disagree with the following statement:

“I am able to protect myself and my family in the event of a chemical emergency.” (Q24)

Of residents sampled in May 2007, 65% are confident they can protect themselves and their family in the event of a chemical emergency. Figure 61 shows a slight decrease in the proportion of IRZ residents who feel they will have control during a chemical emergency.

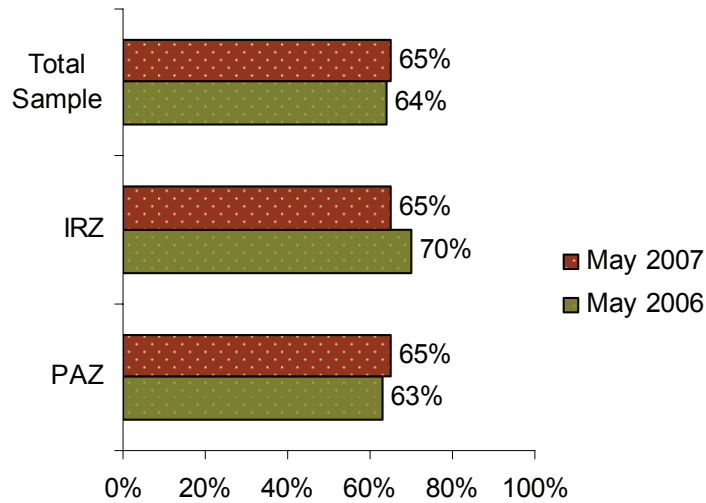


Figure 61: Confidence in Ability to Protect Self and Family in Case of Chemical Emergency

Trust and Control Model

The Trust and Control Matrix in Table 5 forms the intersection of the responses to the two previously-mentioned survey items, which define four groups. These groups provide a framework for analyzing the responses to this survey.

Table 5: Trust and Control Matrix

	Low Control Level	High Control Level
High Trust Level	Believers, 23%	Participants, 54%
Low Trust Level	Cynics, 12%	Watchdogs, 11%

Trust and Control groups generally have the following characteristics:

- **Participants** – Trust CSEPP/Army and feel like they have personal control in the event of a chemical incident
- **Believers** – Trust CSEPP/Army, but feel like they have little, if any, personal control in the event of chemical incident
- **Watchdogs** – Do not trust CSEPP/Army, but feel like they have some personal control in the event of a chemical incident
- **Cynics** – Do not trust CSEPP/Army and feel like they have little, if any, personal control in the event of a chemical incident

Trust and Control groups can be important in segmenting a community. These groups are, in essence, another demographic variable. IEM's Trust and Control model does the following:

- Distinguishes between behavioral traits, as opposed to physical characteristics used by common demographics
- Gives insight into the motivations and beliefs of the community
- Can also be targeted through specific media channels like other demographic variables

The survey analysis found several statistical differences among the Trust and Control groups that are specific to the Pine Bluff community, as provided below:

- Cynics are more concerned with a chemical emergency (72%) than Believers (62%).
- Participants are more likely to have a plan in the event of a chemical emergency (46%) than Watchdogs (41%) and Cynics (24%).
- Participants are more likely to have an out-of-state contact (71%) than Watchdogs (63%).
- Participants (42%) and Believers (25%) are more likely to have a disaster supply kit than Cynics (22%).
- Cynics are less likely alerted through EAS (43%) than Believers (56%).
- Watchdogs (31%) and Cynics (34%) more often claimed that they did not know how they would receive instructions during a chemical emergency compared to Participants (15%).
- Cynics (50%) are less likely to receive instruction through official channels than Believers (63%) and Watchdogs (61%).
- More Believers (22%) will close doors and windows than Cynics (11%).
- More Believers(21%) will follow or listen for instruction on how to shelter in place than Cynics (10%).

- More participants (74%) are confident they can shelter in place than Believers (33%), Watchdogs (57%) and Cynics (23%).
- Fewer Participants (73%) will pick up their children from school than Cynics (89%).
- Fewer Cynics (50%) say they have received CSEPP information compared to Watchdogs (65%).
- More Participants (79%) and Cynics (71%) prefer information through the media compared to Watchdogs (66%).

Figure 62 illustrates the proportion of residents in each Trust and Control group for the 2007 survey. Since May 2006, the proportion of Cynics has decreased from 16% to 12%.

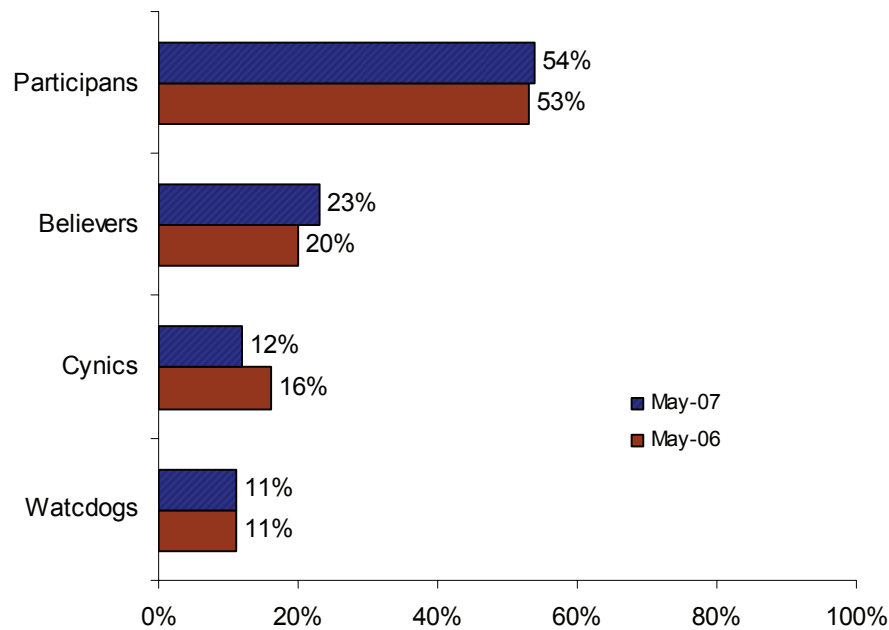


Figure 62: Trust and Control Groups

The Trust and Control group percentages by IRZ and PAZ are shown in Figure 63.

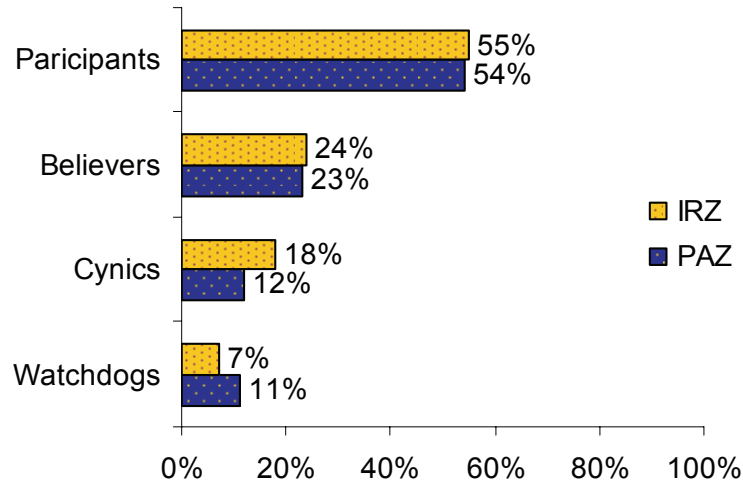


Figure 63: Trust and Control Groups by IRZ/PAZ

From the results of the Trust and Control model, IEM would suggest focusing on increasing residents' level of personal control. Believers and Cynics, who make up 35% of the community, lack personal control.

Demographics

In this section, demographic variables are used to segment the Pine Bluff EPZ community. Demographics levels are compared in order to identify levels that are particularly low or high in certain areas of preparedness or knowledge of protective actions. Additional demographic information not included in this section is provided in Appendix A: Pine Bluff CSEPP Survey Tabulations and Appendix B: Pine Bluff CSEPP Emergency Planning Zone Cross Tabulations.

What is your approximate age, please? (Q29)

In the May 2007 survey, 34% of the respondents were ages 65 and over. The second largest age group sampled was residents ages 45 to 54.

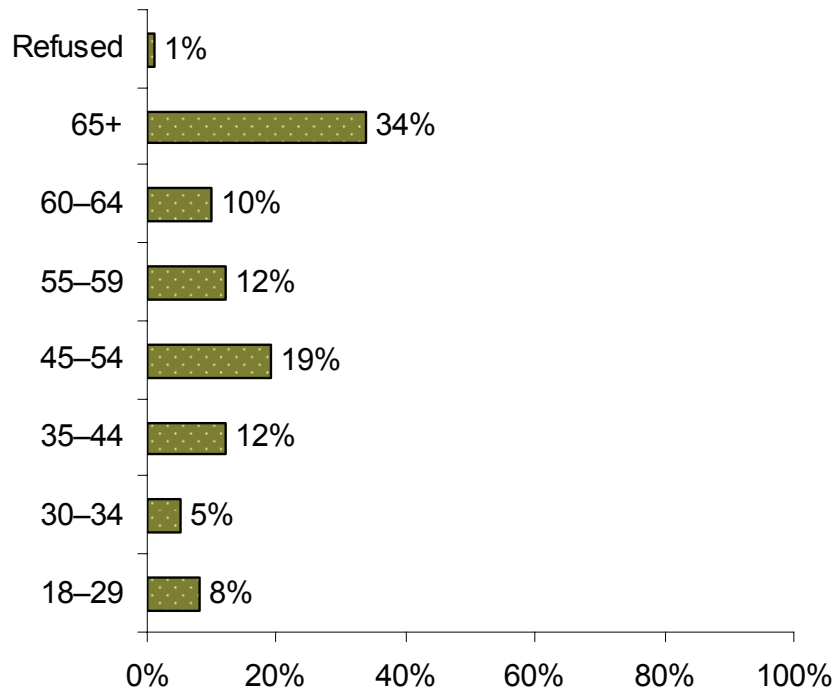


Figure 64: Approximate Age

Young Adults

- Respondents ages 18–34 are less concerned with an earthquake (16%–20%) compared to respondents over the age of 35 (34%–41%).
- Fewer residents ages 18–29 will receive instruction during a chemical emergency from AM/FM radio (16%) compared to residents 35 and over (24–49%).
- Fewer respondents ages 18–29 will get information from television (13%) than residents 30 or over (28–40%).
- More residents ages 18–34 will receive instruction during a chemical emergency via Internet (15–24%) than residents 55 and over (2–4%).
- More people ages 18–29 are unaware of how they will receive information during a chemical emergency (33%) than people 35 and over (12–28%).
- Fewer residents ages 18–29 (43%) will receive instruction from official channels compared to residents 35 and over (61–81%).
- Residents ages 18–29 are less likely to complete the full evacuation procedure (13%) than residents 30–64 (24–31%).

- Residents ages 18–29 are less likely to close doors and windows (13%) and seal doors and windows (7%) when instructed to shelter in place.
- Significantly more respondents ages 18–34 (11–15%) site the Internet as a source of CSEPP information than respondents 65 and over (0%).
- More residents ages 18–29 (39%) have received CSEPP information from materials than residents 35 and over (12–31%).
- Residents ages 18–34 (76–82%) more often claim they are able to protect themselves and their family in the event of a chemical emergency than residents 60 and over (56–60%).
- More residents ages 18–29 (24%) prefer to receive CSEPP information in the form of a calendar compared to residents 35–59 or 65 and over (7–14%).
- More residents ages 18–29 (51%) prefer CSEPP information through direct mail compared to residents 65 and over (26%).

Elderly Individuals

- Residents over 65 are less likely to find/gather family when evacuating (12%) than residents under 44 (29–35%).
- Residents ages 65 and over are more likely to wait for instructions when told to evacuate (11%) than residents 18–29, 35–44, or 60–64 (2–6%).
- More respondents ages 65 and over (69%) would like to receive CSEPP information through television compared to respondents 18–29 (47%).
- More people ages 60 and over (75–83%) prefer information through the media than people ages 18–29 (60%).

Gender (Q30)

Figure 65 shows the gender breakdown for residents sampled in the 2007 survey.

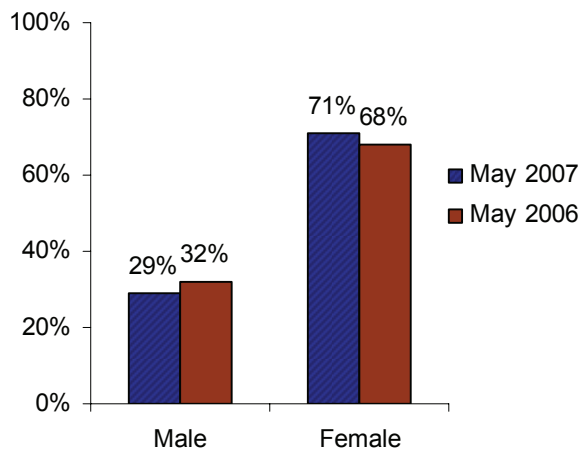


Figure 65: Gender of Respondents

Figure 66 illustrates the percentages of males and females sampled for each County-EPZ group.

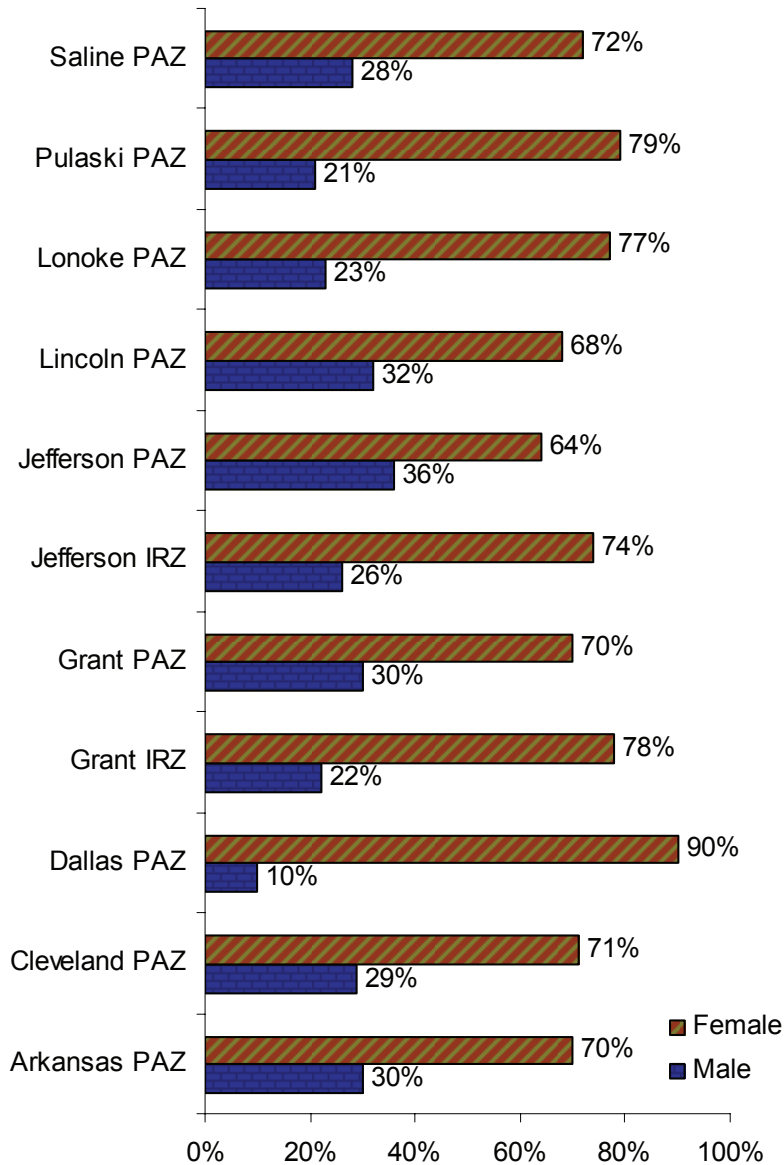


Figure 66: Gender of Respondents by County-EPZ

Gender Differences

There are several significant differences between men and women in the May 2007 survey:

- When asked how concerned they are about a chemical emergency, tornado, flood, and earthquake; fewer men displayed a concern in each category.
 - Concern for a chemical emergency – men 47% vs. women 64%

- Concern for a tornado – men 70% vs. women 81%
- Concern for a flood – men 21% vs. women 35%
- Concern for an earthquake – men 26% vs. women 38%
- More male residents have a family plan in the case of a natural disaster (49%) than females (36%).
- 46% of males have a disaster supply kit compared to 31% of females.
- 23% of males will find/gather family compared to 15% of females.
- Males will more often receive alert (36%) and notification (41%) by AM/FM radio.
- More males (47%) will know to stop sheltering in place from AM/FM radio than females (35%).
- A greater proportion of males (63%) are confident they can shelter in place than females (54%).
- More males (16%) have received information by AM/FM radio compared to females (8%).
- Males (36%) more often stated they are not confident because they do not trust the local government compared to females (11%).
- More males (46%) prefer to receive CSEPP information through AM/FM radio than females (34%).
- Males (29%) less often prefer CSEPP information through direct mail than females (39%).

Are you of Hispanic or Latino origin? (Q31)³²; What is your race? Please select one or more. Are you...(Q31b)³³

Survey responses from questions 31 and 31b were combined in Appendix A: Pine Bluff CSEPP Survey Tabulations in order to provide a summary of ethnic background. Of the 1,114 residents sampled in May 2007, 72% are Caucasian and 22% are African American.

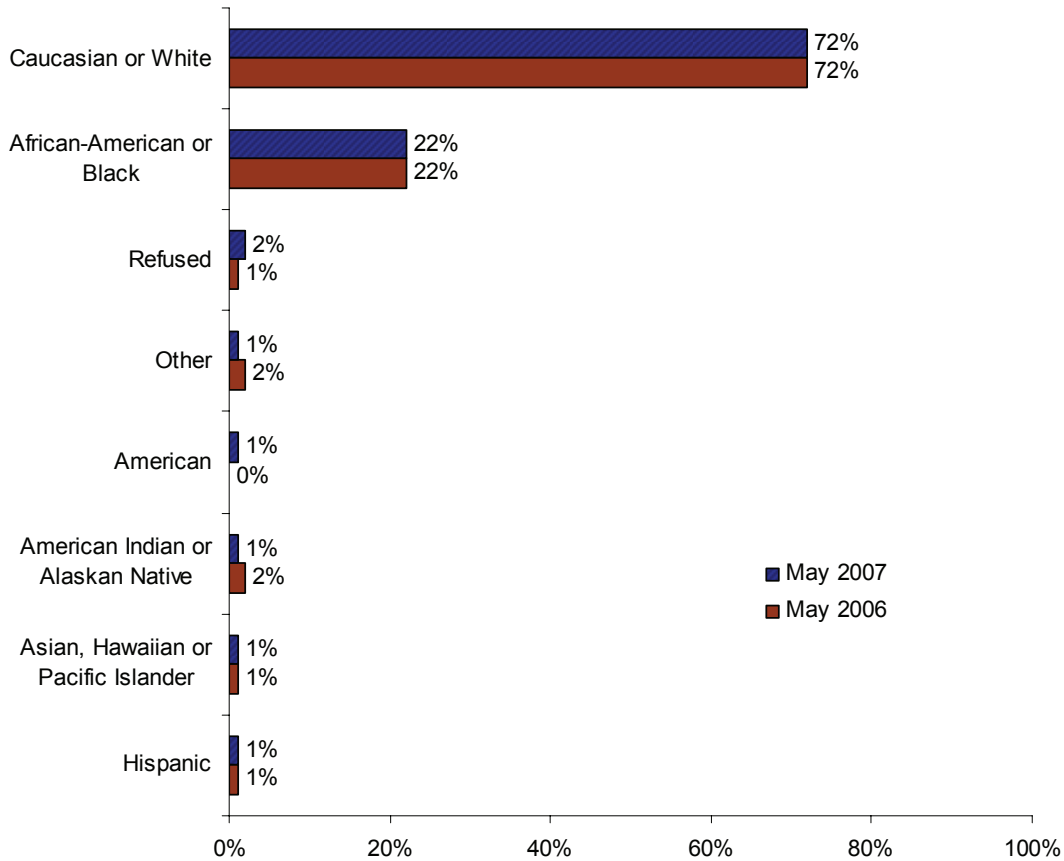


Figure 67: Ethnic Background

Ethnicity Differences

The survey analysis revealed several statistical differences between Caucasians and African-Americans as shown below:

- More Caucasian/White respondents (91%) are aware of the chemical agents stored at Pine Bluff Arsenal compared to African American/Black respondents (81%).

³² The Pine Bluff site added this question in August 2005 in order to be compliant with the Office of Management and Budget’s (OMB) guidelines.

³³ The Pine Bluff site modified the wording of this question in August 2005 in order to be compliant with OMB guidelines. In previous survey this question read: “What is your ethnic background?”

- When asked how concerned they are about a chemical emergency, flood, and earthquake, fewer Caucasians displayed a concern than African-Americans in each category.
 - Concern for a chemical emergency – Caucasians 53% vs. African-Americans 82%
 - Concern for a flood – Caucasians 22% vs. African-Americans 58%
 - Concern for an earthquake – Caucasians 30% vs. African-Americans 48%
- More Caucasian/White residents have a family plan in the case of a natural disaster (42%) and a chemical emergency (39%).
- Caucasian/White residents more often are familiar with the major roads and highways in the area (95%), have an out-of-state contact (68%), and have at least a half tank of gas at all times (75%).
- 53% of Caucasian/White residents can be alerted of a chemical emergency by television compared to 38% of African American/Black residents.
- More Caucasian/White residents will wait/listen for instructions (22%) than African American/Black residents (14%).
- 75% of Caucasian/White residents can be alerted to stop sheltering in place through official channels compared to 64% of African American/Black residents.
- 22% of African American/Black residents are not confident because they say there is not enough time to alert everyone compared to 7% of Caucasian/White residents.
- More Caucasian/White respondents (67%) feel that they can protect themselves during a chemical emergency than African American/Black respondents (60%).

How long have you lived in the area? (Q32)³⁴

As seen with surveys from previous years, the majority of respondents have lived in the area for 20 years or longer (55% in 2007).

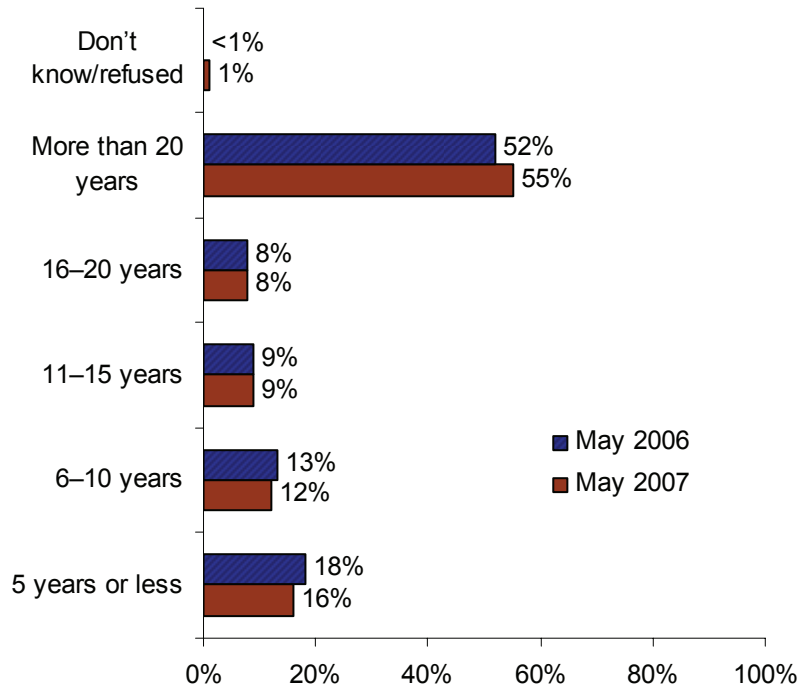


Figure 68: Time Living in Area

³⁴ In November 2002, this question read: “How long have you lived in the vicinity of the Pine Bluff Arsenal?”

Figure 69 shows the distribution of the time residents have lived in the area by IRZ and PAZ. The breakdowns by County-EPZ groups are provided in Appendix B: Pine Bluff CSEPP Emergency Planning Zone Cross Tabulations.

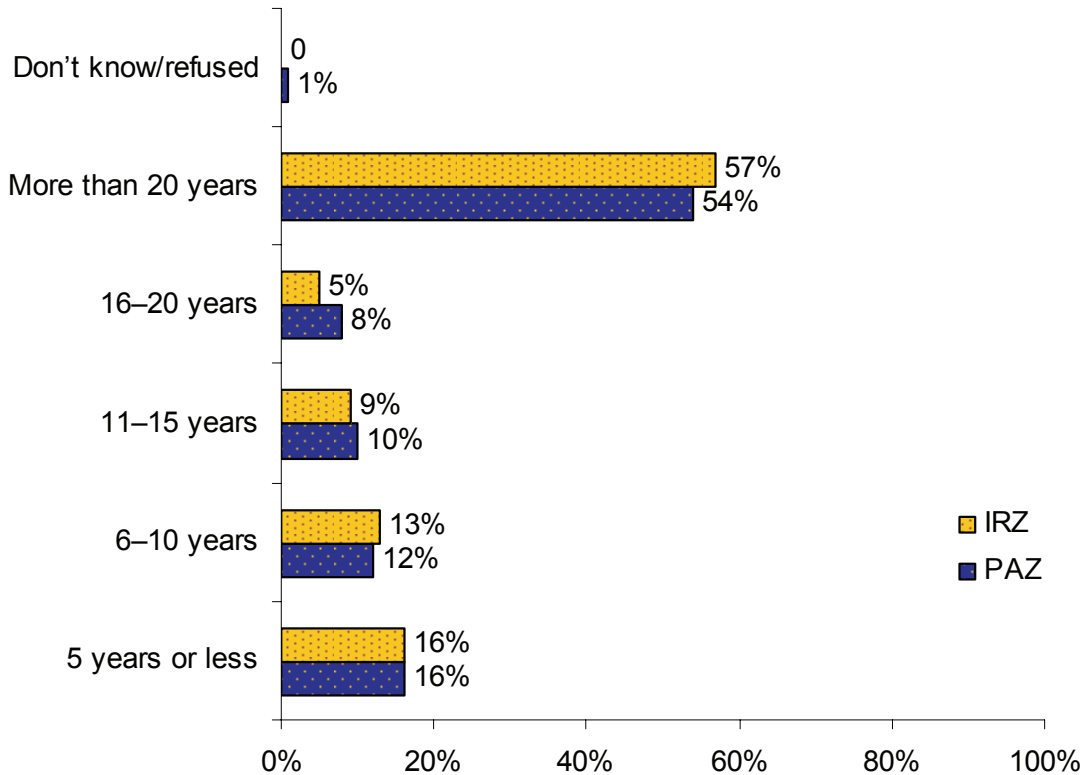


Figure 69: Time Living in Area by IRZ/PAZ

The survey revealed there are some significant differences between residents who have lived in the area for 5 years or less and residents in the area longer.

Residents new to the area (5 years or less) have the following characteristics:

- Are less aware of the chemical agents being stored (79%) compared to residents living in the area longer than 5 years
- Are less likely to be familiar with the major roads and highways (86%) than residents living in the area longer than 5 years (92–98%)
- Less often reported receiving CSEPP information from television (30%) than residents of the area for 16 or more years (41–46%)
- Are less likely to recall information about gathering supplies in an emergency (23%) compared to residents in the area for more than 20 years (36%).

What is the highest level of education you have completed? (Q33)³⁵

The education levels of respondents for the May 2007 survey are provided in Figure 70. Of the 1,114 residents sampled, 13% have some high school or less education, 33% have completed high school, and the remaining 54% have pursued higher education.

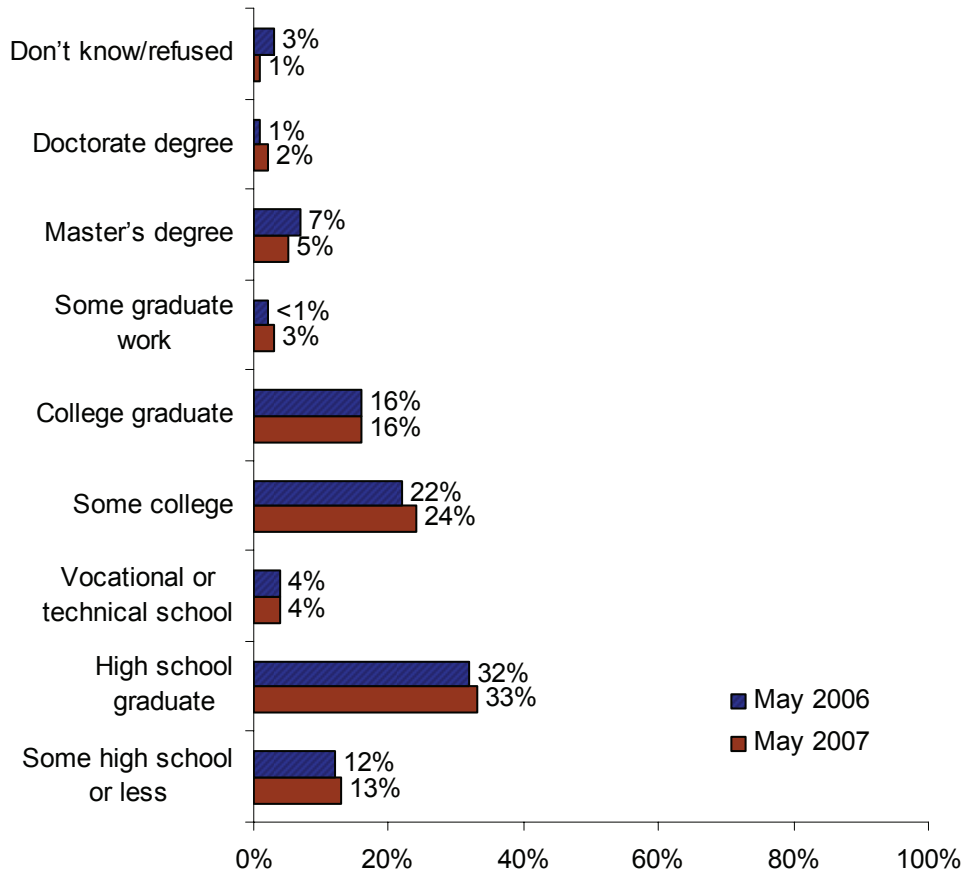


Figure 70: Level of Education

³⁵ The Pine Bluff site added this question in October 2003.

Figure 71 shows the education distribution by IRZ and PAZ. The breakdown by County-EPZ groups is provided in Appendix B: Pine Bluff CSEPP Emergency Planning Zone Cross Tabulations.

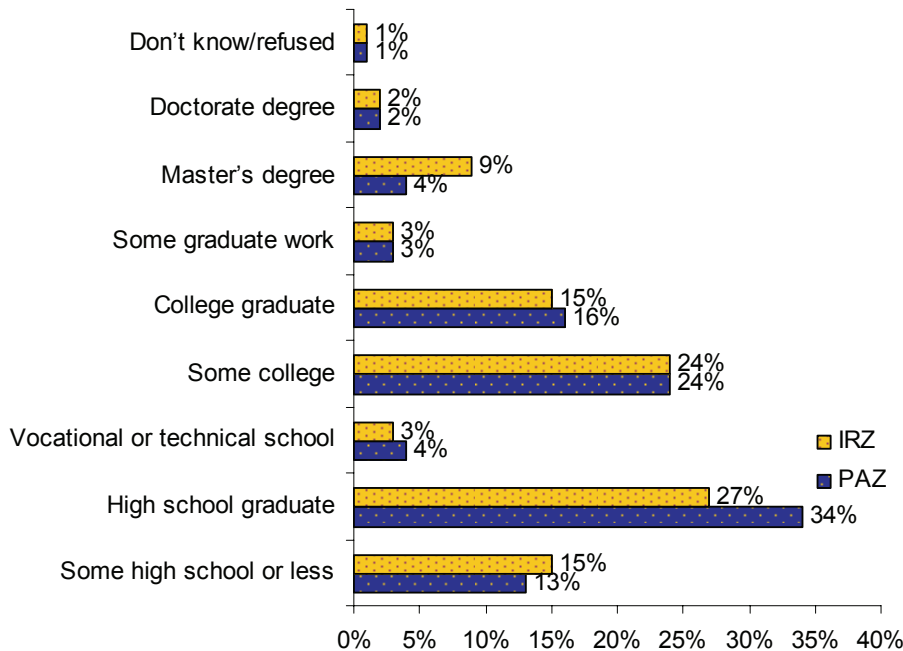


Figure 71: Level of Education by IRZ/PAZ

Education Level of Some High School or Less

- Fewer residents with some high school or less have a family plan in the case of a natural disaster (17%) compared to residents with at least a high school education (32–54%).
- Respondents with some high school or less are less likely to be familiar with the major roads and highways (80%) than respondents with high school, some college, college graduate, and master's level education (92–99%).
- Residents with some high school or less are less likely to have an out-of-state contact (53%) than those with college, some graduate, or master's level of education (76–85%).
- Fewer residents with some high school or less (62%) always have at least a half tank of gas in their car compared to high school graduates(79%).
- Residents with high school or less education are less likely to be alerted by siren (25%) than residents with vocational/technical or college level education (37–43%).
- Respondents with some high school or less more often say they do not know what action they will take in the event of a chemical emergency (35%) than

respondents with high school, vocational/technical, college or master's level education (4–19%).

- A smaller proportion of residents with some high school or less will receive information through official channels (51%) than residents with vocational/technical, college, or master's level education (71–90%).
- Fewer respondents with some high school or less education (45%) will know to stop sheltering in place through official channels than respondents with high school, college, or master's degrees (72–87%).
- Fewer residents with some high school or less education (43%) claim they have received CSEPP information compared to others (64–88%).
- Residents with some high school or less (31%) are less likely to site the media as a source of information than residents with high school, vocational/technical or college level education (45–53%).
- Fewer residents with some high school or less (24%) would like to receive CSEPP information through AM/FM radio compared to residents with vocational/technical, college or graduate level education (37–63%).
- Fewer residents with some high school or less (7%) prefer CSEPP information through the newspaper than residents with some college (24%) or a college degree (19%).

Which of the following best describes your family's income? (Q34)³⁶

The income distribution of residents sampled is presented in Figure 72.

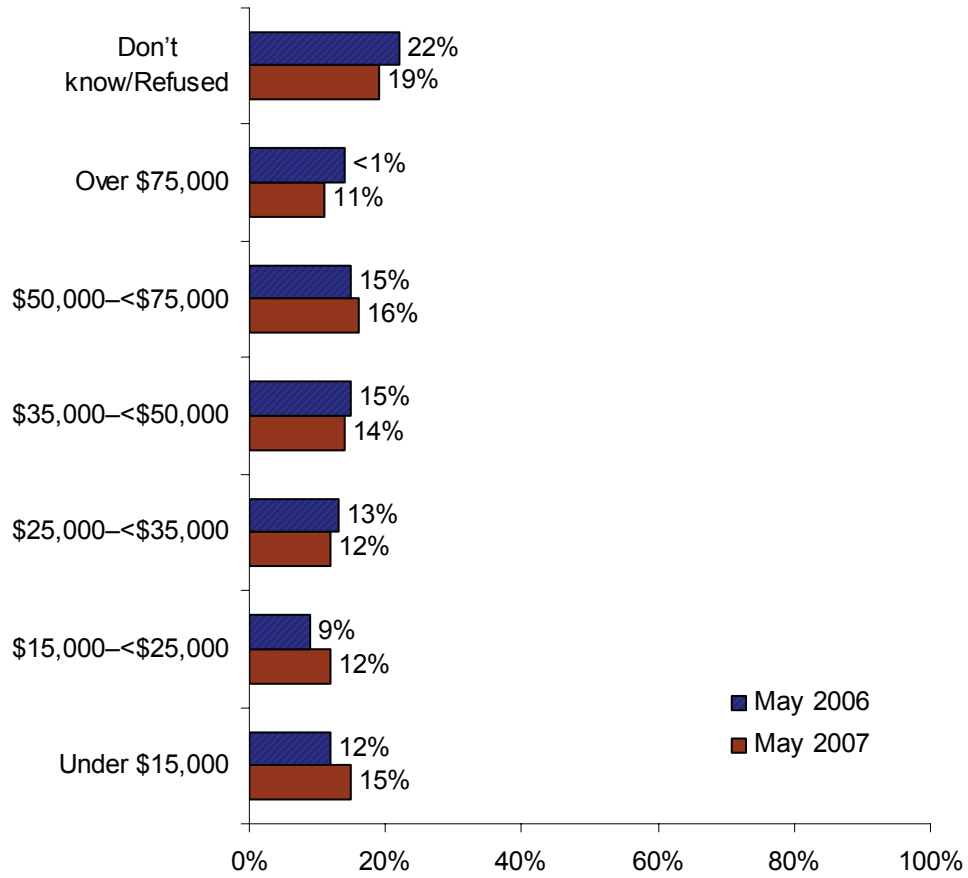


Figure 72: Income Level

³⁶ The Pine Bluff site added this question in October 2003.

Figure 73 shows the family income distribution by IRZ and PAZ. The breakdowns by County-EPZ groups are provided in Appendix B: Pine Bluff CSEPP Emergency Planning Zone Cross Tabulations.

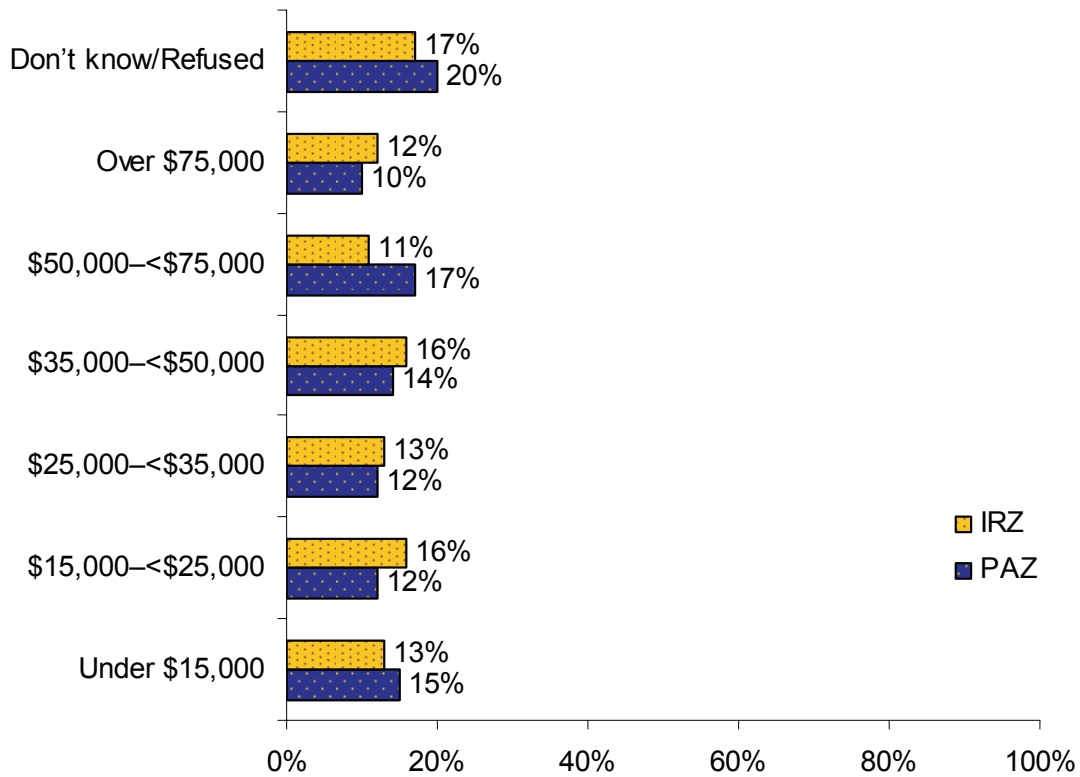


Figure 73: Income Level by IRZ/PAZ

Low Income

- Respondents with household income less than \$15,000 are more concerned with flooding (44%) compared to respondents earning \$25,000–\$35,000 (22%) or \$50,000–\$75,000(21%).
- Respondents who earn less than \$15,000 (61%) are less likely to have at least a half tank of gas in their car than residents earning more than \$15,000 (69–78%).
- Residents who earn less than \$15,000 are less likely to be alerted of a chemical emergency through AM/FM radio (11%) than residents earning \$15,000 or more (28–42%).
- Residents earning \$15,000–\$25,000 are more likely to shelter in place when alerted of a chemical emergency (11%) than others (1–4%).
- Residents earning less than \$15,000 more often stated they do not know how to get information during a chemical emergency (32%) compared to residents earning \$15,000–\$25,000 (17%).

- Residents earning less than \$15,000 are less likely to leave home/get out (44%) than those residents earning \$15,000–\$25,000 (61%) or \$35,000–\$50,000 (60%).
- Residents earning less than \$15,000 are less likely to wait for family members (3%) than those residents earning \$25,000–\$75,000 (13–15%).
- Fewer respondents earning less than \$15,000 (8%) will know to stop sheltering in place by TAR than respondents earning \$50,000–\$75,000 (21%).
- More respondents that earn less than \$15,000 (91%) say they will pick up their children from school than respondents earning \$15,000–\$35,000 or \$50,000–\$75,000 (60–62%).
- Residents earning less than \$15,000 are more likely to say they do not feel they can protect themselves compared to residents earning \$25,000 or more.
- Fewer residents earning less than \$15,000 (4%) prefer CSEPP information in the form of a calendar than residents earning \$25,000–\$50,000 (18–20%).
- Fewer people earning less than \$15,000 (25%) prefer CSEPP information by direct mail compared to people earning \$35,000–\$50,000 (51%).

Do you have access to the Internet? (Q35)

As seen in Figure 74, 63% of respondents have Internet access.

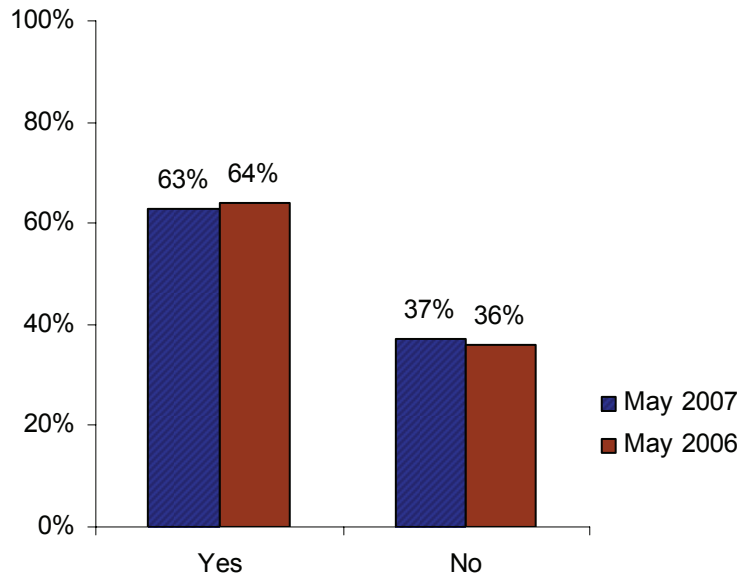


Figure 74: Internet Access

The proportion of residents with Internet access is given by County-EPZ groups in Figure 75. Less than half of residents in Dallas County (48%), Cleveland County (48%) and Arkansas County (37%) have Internet access.

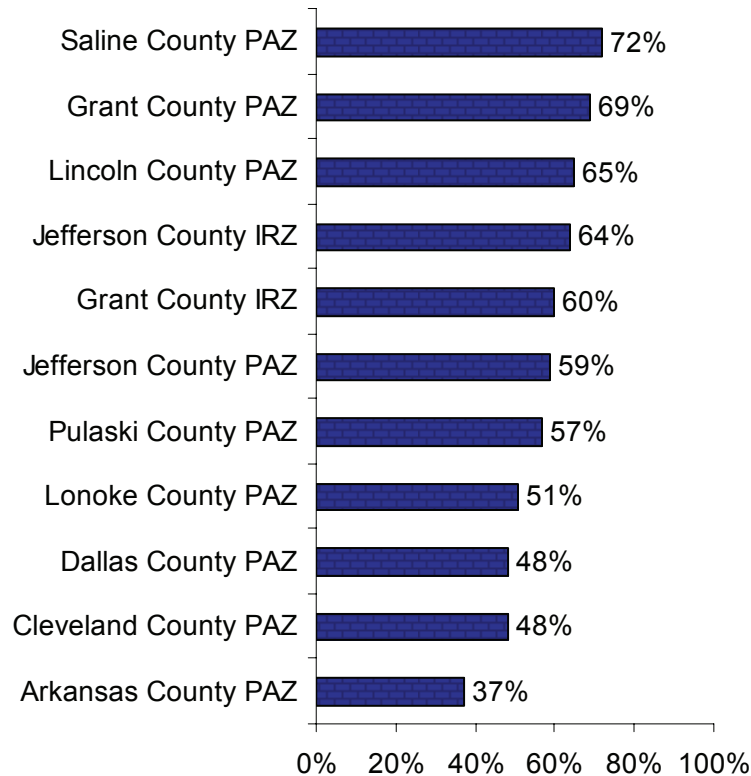


Figure 75: Internet Access by County-EPZ

The survey analysis found several statistical differences between residents with Internet access and residents without Internet access. A higher percentage of residents who say they have Internet access have the following characteristics:

- Are aware of the chemical agents being stored at the arsenal (93%) compared to residents without access to the Internet (81%)
- Have a plan in the case of a natural disaster (48%) and a chemical emergency (43%)
- Have a complete family plan in the case of an emergency (10%) compared to residents without Internet access (2%)
- Will receive alert through official channels (88%) than residents without Internet access (81%)
- Will evacuate when alerted of a chemical emergency (57%) than those without Internet access (44%)
- Will find/gather family (21%) compared to those without Internet access (11%)

- Claim they will get instruction during a chemical emergency through EAS (56%)
- Are more likely to close doors and windows (29%) and seal doors and windows (16%)
- Are more likely to know to stop sheltering in place from official channels (81%) than residents without Internet access (59%)
- Prefer CSEPP information through the Internet (23%) compared to 6% of those who do not have Internet access

Are you, or any member of your household, a member of the local emergency management or first responder community (e.g., fire, police, etc.)? (Q36)³⁷

Overall, 7% of respondents say they or a household member is a member of local emergency management agency or first responder community.

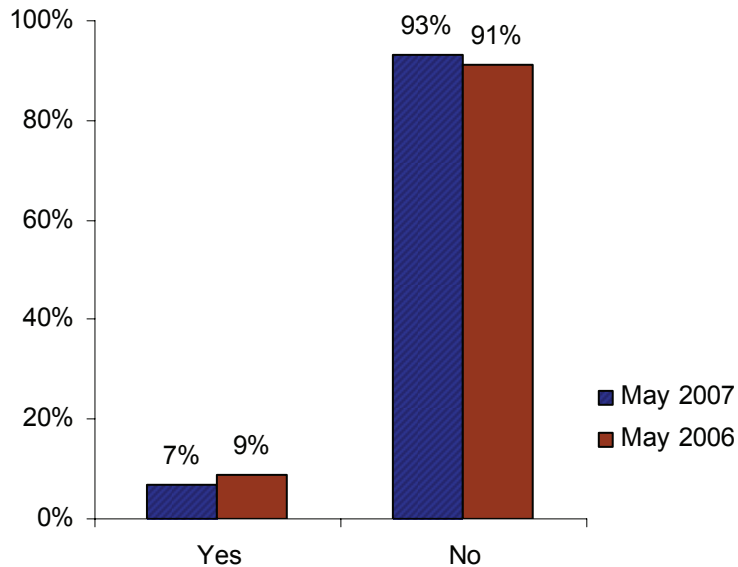


Figure 76: Household Member is Member of Local EMA or First Responder Community

³⁷ In October 2003, this question read: “Are you a member of the local emergency management or first responder community (fire, police, etc.)?”

Figure 77 illustrates the percentage of local EMA or first responder community for each County-EPZ group.

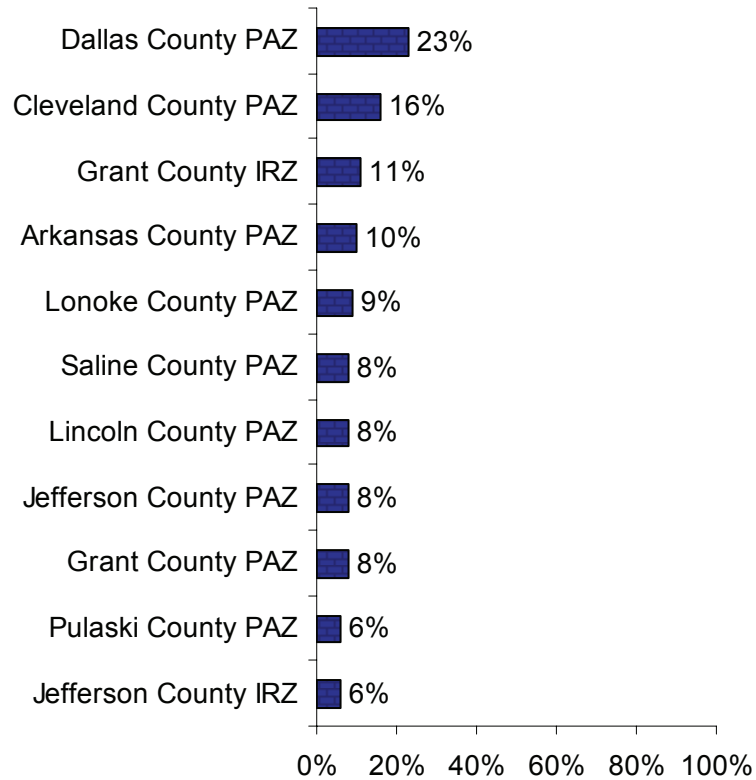


Figure 77: Household Member is Member of Local EMA or First Responder Community by County-EPZ

The survey analysis revealed several statistical differences between households with local EMA employees or first responders and those without:

- More first responders have a plan in the case of a natural disaster (62%) than other residents (38%).
- 23% of first responders have a complete plan in the case of an emergency compared to 6% of others.
- First responders are less likely to be alerted of a chemical emergency through AM/FM radio (23%) than others (30%).
- 11% of first responders will be alerted through family or friends compared to 5% of others.
- First responders are less likely to be alerted by siren (19%) or television (38%).
- First responders (78%) are less likely to receive alert of a chemical emergency through official channels than others (86%).

- First responders are less likely to evacuate (46%) once alerted of a chemical emergency compared to others (53%).
- First responders (37%) are less likely to get instruction from EAS than others (50%).
- First responders are more likely to rely on local officials for information during a chemical emergency (25%) than others (14%).
- 15% of first responders will wait for instructions when told to evacuate compared to 7% of others.
- First responders (9%) are more likely to use a shelter-in-place kit than others (2%).
- First responders (79%) are more often confident they can shelter in place than other residents (55%).
- First responders (51%) are less likely to pick up their children from school than others (78%).
- First responders (15%) are more likely to have received CSEPP information from work/training/military than others (6%).
- More first responders said they are confident they will be alerted of a chemical emergency because they trust the local government (19%), because they work/worked at the arsenal (10%), or because they know someone who works/worked at the arsenal (16%).

Are you, or any member of your household, employed by the Pine Bluff Arsenal? (Q37)

Figure 78 details the proportions of the residents in the May 2007 survey who are or have a family member that is employed by the Pine Bluff Arsenal.

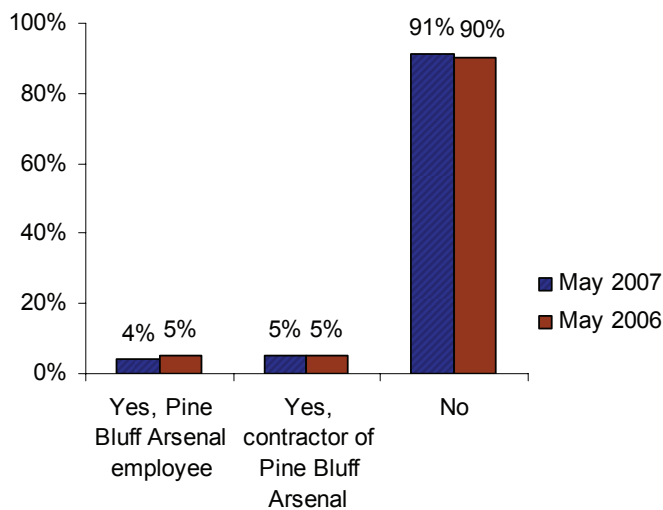


Figure 78: Household Member Employed by Arsenal

Figure 79 shows the percentage of each County-EPZ group who work for or has a household member who works for the Pine Bluff Arsenal or are contractors of the Arsenal.

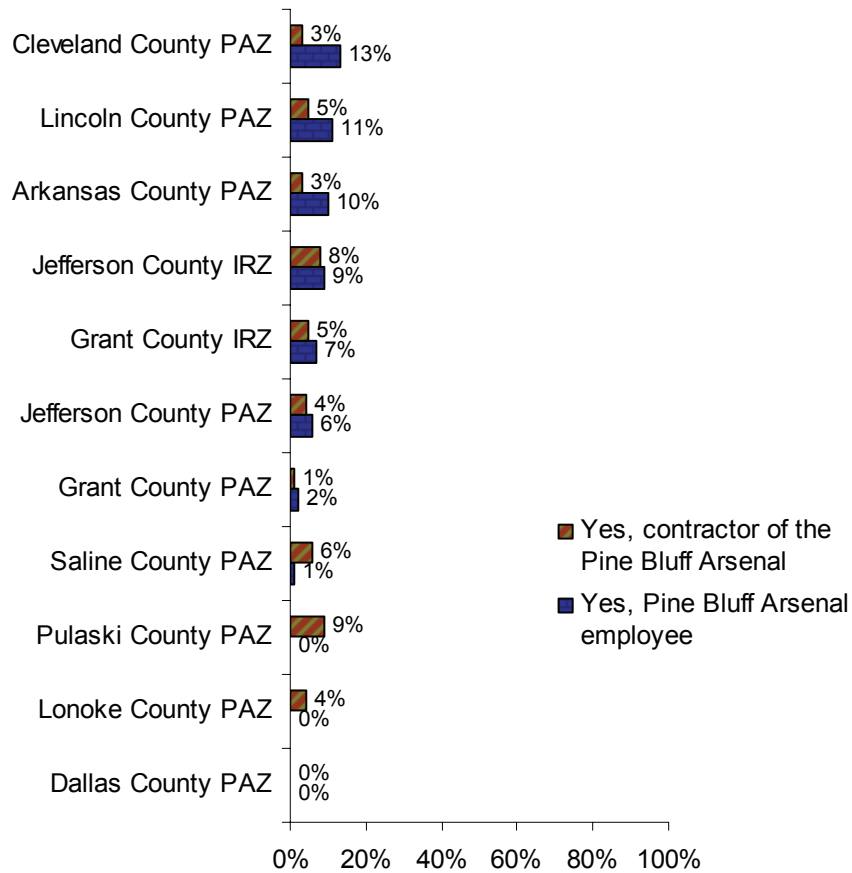


Figure 79: Household Member Employed by Arsenal by County-EPZ

- Depot Employees are less concerned about a tornado than non-employees (79%).
- Depot employees are more likely to be alerted through family or friends (11-18%) than non-employees (5%).
- More depot employees will obtain further instructions during a chemical emergency through family/friends (13–17%) compared to non-employees (5%).
- Depot employees more often claimed they would check the wind directions before evacuating (9–5%) than non-employees (2%).
- Depot employees are more likely to contact family members when told to evacuate (9–25%) than non-employees (10%).
- Depot employees (16–21%) are more likely to close heating/air conditioning vents than non-employees (9%).

- More depot employees (10%) will know to shelter in place from family/relatives than others (2%).
- More depot employees (12–17%) recalled information on being alert than non-employees (5%).
- Depot employees more often recalled information about evacuation directions (21–37%), and supplies (45–51%).
- More depot employees (31–38%) said they trust the arsenal than non-employees (16%).
- Depot employees (28–34%) were more likely to say the arsenal would cover up a chemical disaster than others (11%).

Conclusions and Recommendations

One of the most effective means of measuring the impact and validity of the Pine Bluff CSEPP outreach program is by conducting public surveys. They measure public awareness and provide knowledge of appropriate protective actions citizens will take in an emergency. The surveys were created to evaluate and provide the following:

- Measurement of current knowledge of protective actions
- Measurement of current knowledge of CSEPP
- Increases or decreases of certain responses based on exposure to new or increased distribution of information (i.e., ad campaign, community presentations, literature, etc.)
- Measurement of the effectiveness of the public outreach program
- Results of the surveys and recommendations on areas to focus future outreach efforts

Overall, there is little significant difference between the 2006 and 2007 survey results. However, there were some notable areas:

- School preparedness is up.
- Parents' confidence in school preparedness is on the rise (72%).
- A majority of the community feels comfortable they know the roads and plan to evacuate (65%).

However, the following areas were noted that could be improved:

- Statistics show that most people will not wait for instructions before acting.
- The majority is not completely retaining CSEPP-specific information (approximately 18%, while 65% say they have received CSEPP information).
- Overall preparedness is low.

In order to measure CSEPP outreach and provide recommendations for future campaigns, it is necessary to not only site specific increase or decrease, but to also note overall program objectives. Emphasis has been placed on getting the CSEPP message out to the schools so children will take the message home to their parents. In many cases, this is an excellent source of marketing. However, in areas such as Pine Bluff where the percentage of parents who have school-age children is low (22% with a majority, 38% in Grant County IRZ), it is possible that the message is not carrying as much weight in this area as anticipated.

Since program awareness remains high (89%) but overall preparedness and retention is low, it is recommended that future outreach focus on educating through targeted preparedness messages. The “man on the street” media campaign questioned residents about what they know about the program. Perhaps a similar campaign asking one question, then giving the answer through targeted information and messages (e.g., shelter-in-place kit contents) could be implemented.

Pine Bluff demographic studies illustrate a majority of the population is predominately white, female, age 45, and have a high school education. In the May 2007 survey, 34% of the respondents were age 65 and older. The second-largest age group sampled was ages 45 to 54. This is likely the target audience that will receive CSEPP messages.

Additionally, of those surveyed, most state they prefer to receive messages via television regarding general CSEPP information as well as the outlet they will look to for messages during a chemical emergency. Consider marketing messages to this particular demographic keeping in mind who will receive the message as well as the average level of education.

Since the goal of the current outreach efforts is to educate the public on specific preparedness actions, this will likely address the issue of retention of CSEPP steps. However, it is often difficult to get audiences to become invested enough to make preparedness plans when time has passed between disasters. In order to determine the most appropriate and beneficial time and manner to reach the community, consider message mapping.

Message mapping is a science-based risk communication tool that enables members of the emergency response community to quickly and concisely deliver the most pertinent information about an emergency. This can be accomplished in multiple ways and have multiple purposes. For example, prior to an emergency, a message map can be created for PIOs that illustrates the demographics of Pine Bluff. Included in this document should be considerations such as crisis communication tactics, public perception, how to maintain public confidence, and the psychology behind the community’s willingness to receive certain types of information at certain times and with the appropriate message.

In addition to message mapping as a tool for analyzing audiences pre-incident, it is important to consider ways to motivate the audience. There is a large difference between getting the message out and motivating the public to take steps toward preparedness. Some people claim they know what to do but do not, in fact, know the appropriate actions. For instance, 65% of the population is confident they can take care of their family in an emergency, yet only 7% of the population in the most prepared IRZ (Jefferson) have all of the components of a family emergency plan.

It is important to decide what will motivate an audience to take action. Additionally, multiple media outlets offer diversity in messaging as well as multiple ways the public will receive the same message. Consider developing ideas that will provide motivation. For example, effective campaign literature is logically organized into an opening, body, and conclusion. The opening or headline is designed to catch immediate attention. It should pique the audience's interest in your topic and provide instruction on what they can do now.

Most people in a disaster tend to go through many stages of emotions such as shock, disbelief, and fear. However, many of those concerns can be mitigated by providing the community with something to do. In a disaster, people are looking for a way to be productive and to assist in the process of managing the disaster whether it be within the home or responsibility of a neighbor or neighborhood. Since the ultimate goal is to maintain public safety, order, and two-way communication, the aforementioned recommendations combined offer insight into targeting the audience, arming them with the appropriate preparedness tools, motivating them to act pre-incident, and offering specific instructions during the incident.

Appendix A: Pine Bluff CSEPP Survey Tabulations

This appendix contains the tabulations from the May 2007 survey of the Chemical Stockpile Emergency Preparedness Program (CSEPP) site in Pine Bluff, Arkansas. It is part of a continuing effort to measure the effectiveness of public outreach efforts in the emergency planning zones (EPZs) of the Pine Bluff Arsenal. This survey was designed to measure the specific knowledge of protective actions and the level of preparedness of residents in the immediate response zone (IRZ) and the protective action zone (PAZ) in the unlikely event of a chemical emergency at the Pine Bluff Arsenal. Data from the May 2006 survey is included for applicable questions and compared with the May 2007 results.

In this section, responses from the May 2007 survey have been tabulated for each question. The responses have been calculated as a percentage of the total number of respondents. However, there are some questions that were asked only from respondents in a specific group. Here, the reported percentages are out of the sample of residents answering the question. The number of residents answering a particular question is represented by the letter 'n' in the tables. The results in the tables have been sorted by the response percentages in the May 2007 survey. Tabulated responses are included for the total sample of respondents, IRZ respondents, and PAZ respondents. Results from the May 2006 survey are also included where applicable and are shaded to distinguish them from the survey results collected in the May 2007 survey.

Note: Percentages may not equal 100%. This may be due to rounding and/or some questions accepted multiple responses.

General Introduction

- S1. Hello, this is (FIRST AND LAST NAME) of CR Dynamics, working with your local emergency management agency. We are not selling anything. We are conducting a survey among people living in your community. Do you have a few minutes to answer a few questions?
- S2. IF YES: Are you 18 years of age or older?
- S3. IF YES: Start Survey. IF NOT: Is there someone else I can talk to who is 18 years of age or older? IF UNAVAILABLE, SCHEDULE CALLBAC AND TERMINATE.
- S4. What county do you live in?

Table 6: Responses to Question S4

Response	May 2007 Raw Frequency ³⁸	May 2007 Raw Percentage ³⁹	May 2007 Weighted Percentage ⁴⁰
Arkansas County	30	3%	1%
Cleveland County	31	3%	3%
Dallas County	31	3%	<1%
Grant County	145	13%	9%
Jefferson County	523	47%	44%
Lincoln County	37	3%	2%
Lonoke County	53	5%	5%
Pulaski County	95	9%	9%
Saline County	169	15%	27%

³⁸ “Raw Frequency” refers to the actual number of surveys completed for each subgroup.

³⁹ “Raw Percentage” refers to the actual percentage of surveys completed for each subgroup.

⁴⁰ “Weighted Percentage” is calculated by adjusting the sample proportions for county and emergency planning zones to be consistent with the true population proportions according to the 2000 United States Census Bureau.

S5. What city do you live in or closest to?

Table 7: Responses to Question S5

Response	Raw Frequency ⁴¹ May 2007	Raw Percentage May 2007	Weighted Percentage May 2007
Arkansas County PAZ	30	3%	1%
Goldman	6	1%	<1%
Humphrey	24	2%	<1%
Vallier	---	---	---
Cleveland County PAZ	31	3%	3%
Canoe Landing	---	---	---
Calmer	---	---	---
Eunice	---	---	---
Friendship	---	---	---
Gum Springs	---	---	---
Kedron	---	---	---
Kingsland	2	<1%	<1%
Mount Zion	---	---	---
Oak Grove	---	---	---
Rison	27	2%	2%
Staves	1	<1%	<1%
Toledo	---	---	---
White Oak Bluff	1	<1%	<1%
Dallas County PAZ	31	3%	<1%
Bunn	6	1%	<1%
Carthage	18	2%	<1%

⁴¹ "Raw Frequency" refers to the actual number of surveys completed for each subgroup.

Response	Raw Frequency ⁴¹ May 2007	Raw Percentage May 2007	Weighted Percentage May 2007
Cooney	1	<1%	<1%
Farindale	3	<1%	<1%
Tulip	3	<1%	<1%
Grant County IRZ	55	5%	1%
Center Grove	25	2%	<1%
Clear Lake	10	1%	<1%
Ebb	1	<1%	<1%
Junet	1	<1%	<1%
Orion	8	1%	<1%
Prague	9	1%	<1%
Walnut Ridge	1	<1%	<1%
Grant County PAZ	90	8%	8%
Belfast	3	<1%	<1%
Brush Creek	3	<1%	<1%
Buie	1	<1%	<1%
Cane Creek	3	<1%	<1%
Crossroads	9	1%	1%
Deek Creek	---	---	---
Dogwood	---	---	---
Fenter	---	---	---
Grapevine	7	1%	1%
Lamont	---	---	---
Leola	7	1%	1%

Response	Raw Frequency ⁴¹ May 2007	Raw Percentage May 2007	Weighted Percentage May 2007
Lenham	---	---	---
Poyen	---	---	---
Prattsville	6	1%	1%
Sheridan	51	5%	4%
Stabtown	---	---	---
Summerville Ford	---	---	---
Thiel	---	---	---
Tull	---	---	---
Jefferson County IRZ	301	27%	12%
Hardin	22	2%	1%
Jefferson	132	12%	5%
Pastoria	5	<1%	<1%
Redfield	20	2%	1%
White Hall	120	11%	5%
Wright	2	<1%	<1%
Jefferson County PAZ	222	20%	32%
Alzheimer	11	1%	2%
Cornerstone	---	---	---
Ferda	---	---	---
Gethsemane	---	---	---
Lake Dick	---	---	---
Ladd	1	<1%	<1%
Moscow	2	<1%	<1%

Response	Raw Frequency ⁴¹ May 2007	Raw Percentage May 2007	Weighted Percentage May 2007
Pinebergen	2	<1%	<1%
Pine Bluff	172	15%	25%
Rob Roy	---	---	---
Sherrill	2	<1%	<1%
Sulphur Springs	7	1%	1%
Swan Lake	---	---	---
Sweden	---	---	---
Tamo	---	---	---
Tucker	---	---	---
Wabbaseka	1	<1%	<1%
Watson Chapel	24	2%	3%
Lincoln County PAZ	37	3%	2%
Crigler	---	---	---
Glendale	1	<1%	<1%
Grady	6	1%	<1%
Meroney	---	---	---
Nebo	---	---	---
Palmyra	1	<1%	<1%
Star City	28	3%	2%
Tarry	1	<1%	<1%
Whitefield	---	---	---
Yorktown	---	---	---
Lonoke County PAZ	53	5%	5%

Response	Raw Frequency ⁴¹ May 2007	Raw Percentage May 2007	Weighted Percentage May 2007
Allport	5	<1%	<1%
Bayou Meto	2	<1%	<1%
Bevis Corner	---	---	---
Blakemore			
Coy	1	<1%	<1%
Culler	---	---	---
England	26	2%	2%
Humnoke	2	<1%	<1%
Keo	1	<1%	<1%
Lonoke	15	1%	1%
Parkers Corner	---	---	---
Pettus	---	---	---
Seaton	1	<1%	<1%
Toltec	---	---	---
Tomberlin	---	---	---
Pulaski County PAZ	95	9%	9%
Bredlow Corner	7	1%	1%
College Station	10	1%	1%
Estes	1	<1%	<1%
Hensley	13	1%	1%
Higginswitch	5	<1%	<1%
Iron Springs	5	<1%	<1%
Landmark	33	3%	3%

Response	Raw Frequency ⁴¹ May 2007	Raw Percentage May 2007	Weighted Percentage May 2007
Parkers	---	---	---
Rottaken	---	---	---
Scott	10	1%	1%
Sweet Home	3	<1%	<1%
Tafton	1	<1%	<1%
Wampoo	---	---	---
Woodson	3	<1%	<1%
Woodyardville	---	---	---
Wrightsville	4	<1%	<1%
Saline County PAZ	169	15%	27%
Alexander	9	1%	1%
Bauxite	6	1%	1%
Benton	75	7%	12%
Bryant	42	4%	7%
East End	16	1%	3%
Haskell	5	<1%	1%
Sardis	4	<1%	1%
Shannon Hills	6	1%	1%
Shaw	---	---	---
Traskwood	6	1%	1%
Vimy Ridge	---	---	---

Main Survey

Note: Results from 2006 survey are shaded to show the difference between the surveys.

1. Are you aware of the chemical agents at the Pine Bluff Arsenal?

Table 8: Responses to Question 1

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
Yes	89%	89%	93%	95%	88%	88%
No	11%	11%	7%	5%	12%	12%

2. How concerned are you about the following?

2a. Chemical Emergency at the Pine Bluff Arsenal

Table 9: Responses to Question 2a: Chemical Emergency at the Pine Bluff Arsenal

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
Very concerned	26%	28%	32%	23%	25%	28%
Somewhat concerned	33%	34%	30%	36%	34%	34%
Total “concerned” responses	59%	62%	62%	59%	59%	62%
Not very concerned	26%	25%	25%	22%	26%	25%
Not at all concerned	15%	14%	13%	19%	16%	13%
Total “not concerned” responses	41%	38%	38%	41%	41%	38%

2b. Tornado

Table 10: Responses to Questions 2b: Tornado

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
Very concerned	45%	51%	46%	40%	45%	53%
Somewhat concerned	33%	28%	29%	36%	33%	27%
Total “concerned” responses	78%	79%	75%	76%	79%	80%
Not very concerned	15%	13%	18%	15%	14%	13%
Not at all concerned	7%	7%	7%	9%	7%	7%
Total “not concerned” responses	22%	21%	25%	24%	21%	20%

2c. Flood

Table 11: Responses to Question 2c: Flood

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
Very concerned	15%	18%	19%	12%	15%	19%
Somewhat concerned	16%	16%	13%	16%	16%	17%
Total “concerned” responses	31%	34%	32%	28%	31%	35%
Not very concerned	36%	32%	33%	32%	36%	32%
Not at all concerned	33%	34%	35%	41%	33%	33%
Total “not concerned” responses	69%	66%	68%	72%	69%	65%

2d. Earthquake

Table 12: Responses to Questions 2d: Earthquake

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
Very concerned	15%	21%	20%	15%	14%	22%
Somewhat concerned	20%	18%	17%	22%	20%	18%
Total “concerned” responses	35%	39%	38%	37%	34%	39%
Not very concerned	32%	27%	28%	23%	33%	28%
Not at all concerned	33%	34%	34%	40%	33%	33%
Total “not concerned” responses	65%	61%	62%	63%	66%	61%

Summary of Responses for the May 2007 Survey

Table 13: Summary of Responses to Questions 2a–2d for May 2007

Response	Chemical emergency	Tornado	Flood	Earthquake
Very concerned	26%	45%	15%	15%
Somewhat concerned	33%	33%	16%	20%
Total “concerned” responses	59%	78%	31%	35%
Not very concerned	26%	15%	36%	32%
Not at all concerned	15%	7%	33%	33%
Total “not concerned” responses	41%	22%	69%	65%

3. Do you or your family have an emergency plan to deal with the following?⁴²

3a. Natural disasters

Table 14: Responses to Questions 3a: Natural Disasters

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
Yes	40%	44%	46%	56%	39%	42%
No	60%	56%	54%	44%	61%	58%

3b. Chemical emergency at the Pine Bluff Arsenal

Table 15: Responses to Questions 3b: Chemical Emergency at the Pine Bluff Arsenal

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
Yes	37%	38%	56%	65%	35%	34%
No	63%	62%	44%	35%	65%	66%

Summary of Responses for the May 2007 Survey

Table 16: Summary of Responses to Questions 3a–3b for May 2007

Response	Natural disasters	Chemical emergency at the Pine Bluff Arsenal
Yes	40%	37%
No	60%	63%

⁴² This series of questions was not asked in the November 2002 survey.

4. Please answer yes or no to the following questions:⁴³

Table 17: Responses to Questions 4a–4f

Question	Total sample May 2007 "Yes"	Total sample May 2006 "Yes"	IRZ May 2007 "Yes"	IRZ May 2006 "Yes"	PAZ May 2007 "Yes"	PAZ May 2006 "Yes"
a) Are you familiar with the names of the major roads and highways in your area?	93%	94%	90%	96%	94%	93%
b) In the event of an emergency, do you have a family meeting place?	40%	43%	44%	54%	40%	42%
c) Do you have an out-of-area telephone contact?	66%	72%	68%	75%	65%	72%
d) Do you have a shelter-in-place kit with duct tape, plastic, and instructions?	17%	18%	18%	22%	17%	18%
e) Do you have a disaster supply kit?	36%	40%	39%	40%	35%	40%
f) Is the gas tank of your car at least half-full at all times?	72%	71%	71%	76%	73%	70%

5. How would you know if there were a chemical emergency at the Pine Bluff Arsenal?⁴⁴

Table 18: Summarized Open-Ended Responses to Question 5

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
Television	49%	37%	25%	12%	52%	41%
Siren	29%	26%	45%	37%	27%	25%
AM/FM radio	29%	20%	16%	11%	31%	22%
Tone alert radio	14%	22%	38%	55%	11%	17%
Don't know	10%	11%	5%	4%	11%	12%

⁴³ This series of questions was not asked in the October 2003 IRZ survey.

⁴⁴ Multiple responses were accepted for this question.

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
Loudspeaker/bullhorn	6%	4%	12%	7%	5%	4%
Family/Friend	5%	6%	4%	3%	6%	6%
Other	2%	1%	1%	1%	2%	1%
Word-of-mouth	2%	<1%	1%	---	2%	<1%
News/media	1%	2%	<1%	---	1%	2%
Internet	1%	1%	<1%	---	1%	1%
Route alerting	1%	1%	1%	<1%	1%	1%
Someone would tell us	1%	1%	<1%	<1%	1%	1%
Telephone	1%	1%	<1%	---	2%	1%
Work	1%	1%	1%	2%	1%	1%
Scanner	1%	<1%	---	---	1%	1%
Alarm/Alert system	<1%	<1%	1%	<1%	<1%	---
Birds and animals dying	<1%	<1%	<1%	---	<1%	<1%
Fire department	<1%	<1%	---	---	<1%	<1%
Police	<1%	<1%	<1%	---	<1%	<1%
Weather radio/monitor	<1%	<1%	---	---	1%	<1%
Signs/Billboard on the road	<1%	---	---	---	<1%	---
Would not know	---	1%	---	---	---	1%
City officials/local authorities	---	<1%	---	---	---	<1%
Hospital	---	<1%	---	---	---	<1%
I would see others evacuating	---	<1%	---	<1%	---	<1%
Newspaper	---	<1%	---	---	---	<1%

“Other” responses to Question 5:

IRZ

- don’t have the box
- he said he would be melting by then
- it would do something to your eyes

- not close to the site on the outer edge
- warning

PAZ

- an odor in the air
- do not have warning sirens
- explosion
- green blow to the south
- he would smell it
- I’d probably die

- I’m hoping to see a mushroom cloud
- live less than half mile from fire station
- national guard will inform him
- probably smell it first
- your roommate job

6. What actions would you take if you found out there was a chemical emergency at the Pine Bluff Arsenal?⁴⁵

Table 19: Summarized Open-Ended Responses to Question 6

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
Evacuate	52%	50%	64%	62%	50%	49%
Don't know	15%	13%	10%	4%	16%	15%
Await or listen for instructions	14%	14%	13%	17%	15%	13%
Find/gather family	12%	7%	11%	9%	12%	7%
Check wind direction	7%	7%	4%	5%	6%	7%
Contact family/friends	6%	5%	7%	6%	7%	5%
Turn on/watch television	5%	3%	1%	1%	5%	4%
Shelter in place	4%	3%	5%	2%	4%	3%
Turn on/listen to AM/FM radio	3%	2%	2%	2%	3%	2%

⁴⁵ Multiple responses were accepted for this question.

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
Follow evacuation routes, directions, and/or signs	2%	1%	3%	1%	2%	1%
Listen to tone alert radio	2%	2%	5%	4%	2%	2%
Nothing	2%	3%	2%	1%	2%	3%
Other	2%	2%	2%	1%	2%	3%
Pray/religious response	2%	1%	1%	1%	2%	1%
Ask questions/gather more information	1%	1%	<1%	---	1%	1%
Call 911/police	1%	1%	1%	---	1%	1%
Dependent on wind direction	1%	<1%	---	1%	1%	<1%
Depends on the situation	1%	1%	1%	2%	1%	1%
Follow instructions	1%	1%	<1%	1%	1%	1%
Get supplies together	1%	<1%	1%	<1%	<1%	---
Go to a shelter	1%	<1%	1%	1%	1%	<1%
Go to work (arsenal, hospital, fire department, police)	1%	1%	1%	2%	1%	1%
Emergency Kit	<1%	---	1%	---	<1%	---
Follow instructions in calendar	<1%	<1%	<1%	---	---	<1%
Get children/Go to school	<1%	---	---	---	<1%	---
Get pets/animals	<1%	<1%	<1%	<1%	<1%	<1%
Have not thought about it	<1%	<1%	<1%	<1%	---	<1%
Panic	<1%	1%	1%	1%	---	1%
Put on chemical gear (gas mask, plastic suit, ect.)	<1%	---	---	---	<1%	---
Stay inside	<1%	1%	1%	---	<1%	1%

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
Either shelter in place or evacuate	---	<1%	---	<1%	---	---
Wait for someone to pick me up	---	<1%	---	<1%	---	1%

“Other” responses to Question 6:

IRZ

- have a plan
- kiss my butt goodbye
- somewhere safe
- stand up and kiss his butt goodbye
- wait for news that it is safe
- warning

PAZ

- we’d do our emergency plan
- arsenal direction
- cell phone, wallet
- do what was necessary
- don’t effect me
- family has their own instructions on highway 79
- follow crowd
- hope would be safe
- I have an alert system in place at my job director of resources
- lives about 20 miles from the hazard
- take cover (2)
- take it as it is
- tuck head between legs and say goodbye
- whatever needed to be done
- will be paralyzed

7. If a chemical accident occurred at the Pine Bluff Arsenal, where would you get additional instructions on how to protect yourself and your family when you hear the warning signals?⁴⁶

Table 20: Summarized Open-Ended Responses to Question 7

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
AM/FM radio	33%	35%	35%	38%	33%	34%
Television	32%	33%	27%	25%	33%	34%
Don’t know	22%	20%	21%	19%	22%	20%
Tone alert radio	10%	10%	24%	24%	7%	8%

⁴⁶ Multiple responses were accepted for this question.

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
Family/friends	6%	4%	6%	5%	6%	4%
Internet	6%	4%	4%	3%	6%	4%
Police, local or state	6%	4%	3%	1%	6%	4%
Local emergency management agency	4%	4%	4%	3%	4%	4%
Call 911	3%	3%	1%	1%	3%	4%
Fire department	3%	2%	2%	1%	3%	2%
Loudspeaker/bullhorn	3%	1%	4%	2%	2%	1%
Other	3%	1%	2%	2%	3%	1%
County sheriff	2%	2%	<1%	1%	3%	2%
Siren	2%	4%	6%	3%	2%	4%
Calendar	1%	1%	2%	2%	1%	1%
Call the number that was given out	1%	<1%	<1%	2%	1%	<1%
CSEPP	1%	---	1%	---	1%	---
Newspaper	1%	<1%	2%	---	<1%	<1%
Package or kit on preparedness	1%	<1%	1%	1%	<1%	<1%
Pamphlet	1%	<1%	1%	1%	1%	<1%
Pine Bluff Arsenal	1%	1%	1%	2%	1%	1%
Word-of-mouth	1%	<1%	---	---	1%	<1%
Would not get instructions; would evacuate	1%	2%	1%	2%	<1%	2%
Already have instructions	<1%	<1%	---	1%	<1%	<1%
At public shelter	<1%	<1%	---	<1%	<1%	---

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
City hall	<1%	---	---	---	<1%	---
City, town, local, or federal officials	<1%	1%	---	---	<1%	1%
Hospital	<1%	<1%	---	---	<1%	<1%
Media	<1%	---	---	---	<1%	---
Medical personnel	<1%	<1%	---	---	<1%	<1%
National Guard/Army/Airforce	<1%	<1%	---	1%	<1%	---
Need none	<1%	---	1%	---	<1%	---
News	<1%	1%	---	---	<1%	1%
NOAA Radio	<1%	---	---	---	<1%	---
Nowhere	<1%	<1%	2%	---	<1%	<1%
Red Cross	<1%	---	---	---	<1%	---
Route alerting	<1%	1%	1%	2%	---	1%
Telephone	<1%	1%	---	<1%	<1%	1%
Training/school	<1%	---	<1%	---	<1%	---
Work	<1%	<1%	1%	1%	<1%	<1%
Emergency Alert System	---	<1%	---	<1%	---	<1%
Rescue units	---	<1%	---	---	---	<1%
Scanner	---	<1%	---	<1%	---	<1%

“Other” responses to Question 7:

IRZ

- at the end of the road, there should be someone to tell me
- highway signs would flash
- Hot Springs

- I would remain in my home
- stay in the house
- the preacher

PAZ

- all I know is to go to the school
- await instructions
- car
- CDC Center for Disease Control
- church
- does not apply
- follow instructions
- from Star City
- I guess a TAR which I don't have
- I would rely on God
- in another town or shelter
- just be prepared
- no one would call me, I am at the Lincoln/Jefferson line
- read it in the Bible
- rely on info from pager
- right now I can't hear it
- the grace of God
- Warren Road
- would be unable to hear warning signals

8. If you were instructed to evacuate, what actions would you take?⁴⁷

Table 21: Summarized Open-Ended Responses to Question 8

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
Leave home or workplace/get out of town/get in car and go	53%	45%	55%	46%	53%	45%
Follow instructions/do what told	22%	18%	18%	20%	22%	18%
Get personal items (clothes, food, water, gas)	20%	21%	17%	20%	21%	21%
Follow/know evacuation route	19%	21%	22%	30%	19%	20%
Contact family members before leaving	10%	12%	14%	8%	10%	12%
Await instructions/listen for help	8%	6%	9%	6%	8%	6%
Wait for family members before leaving/gather family	8%	9%	7%	9%	8%	8%
Don't know	5%	6%	4%	5%	6%	6%
Locate/collect pets	4%	4%	5%	7%	4%	4%
Check wind direction	3%	4%	5%	4%	2%	4%
Get kids from school/go to school for kids	3%	3%	5%	5%	3%	3%

⁴⁷ Multiple responses were accepted for this question.

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
Get/check preparedness kit, packet, or pamphlet	2%	2%	4%	2%	2%	2%
Go to work (Arsenal, hospital, fire department, police)	2%	<1%	1%	1%	2%	<1%
Listen to or turn on TV, radio, TAR, or EAS (general)	2%	1%	2%	2%	2%	1%
Would not evacuate	2%	1%	1%	1%	2%	1%
Depends	1%	<1%	1%	---	1%	<1%
Evacuate to a friend/family house	1%	---	1%	---	1%	---
Get/check calendar	1%	<1%	1%	1%	1%	<1%
Go to shelter	1%	<1%	1%	---	1%	<1%
Listen to TV, radio, TAR for correct evacuation route	1%	1%	1%	1%	1%	1%
Listen to TV/radio for location of reception/assistance center	1%	<1%	<1%	2%	1%	<1%
Other	1%	1%	2%	1%	1%	1%
Secure house	1%	1%	1%	1%	1%	1%
Tell neighbors and others to evacuate	1%	<1%	1%	1%	1%	<1%
Turn off heating/air conditioning systems	1%	1%	1%	2%	1%	<1%
Ask someone for help or instructions	<1%	<1%	---	---	<1%	<1%
Call or wait for someone to come get me	<1%	<1%	<1%	<1%	<1%	1%
Nothing	<1%	<1%	<1%	<1%	<1%	<1%
Pray	<1%	<1%	---	<1%	<1%	<1%
Telephone/call	<1%	<1%	---	---	<1%	1%
Turn on TV, radio, tone alert radio (general)	<1%	1%	---	1%	<1%	1%

“Other” responses to Question 8:

IRZ

- after arriving at destination would contact family members
- immediate action
- middle of house

- nervous breakdown
- shelter
- tell everybody bye
- walk outside

PAZ

- come home
- don’t waste time
- I would do my best
- if possible would try to evacuate

- probably have another beer
- would try to figure out how bad it is

9. If you were instructed to shelter in place, what actions would you take?⁴⁸

Table 22: Summarized Open-Ended Responses to Question 9

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
Go inside/stay inside	28%	31%	30%	30%	28%	31%
Close doors and windows	25%	18%	32%	28%	24%	16%
Follow or listen for instructions	20%	13%	13%	8%	21%	14%
Go into shelter room of your home/workplace	20%	18%	23%	20%	19%	18%
Don’t know	16%	14%	16%	13%	16%	14%
Seal doors and windows of shelter room	12%	13%	11%	18%	12%	12%
Close/cover heating and air conditioning vents	10%	10%	12%	15%	10%	9%
Evacuate	8%	8%	9%	11%	7%	7%
Get food/water supply	7%	7%	6%	6%	7%	7%
Get supplies (clothes, cell phone, book, candles, games, medicine, flashlight, etc.)	6%	2%	6%	2%	6%	2%

⁴⁸ Multiple responses were accepted for this question.

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
Find/gather family/friends	4%	4%	4%	3%	4%	4%
Lock doors and windows	4%	2%	7%	3%	4%	1%
Use shelter-in-place kit	3%	4%	4%	5%	2%	4%
Contact family	2%	3%	4%	3%	2%	3%
Follow emergency plan/family emergency plan	2%	2%	6%	4%	1%	1%
Kneel/pray	2%	2%	2%	2%	2%	2%
Listen to radio/TV for further instructions	2%	3%	3%	2%	2%	3%
Other	2%	3%	2%	2%	2%	3%
Turn off heating/air conditioning systems	2%	2%	2%	3%	2%	2%
Depends on type of emergency	1%	<1%	<1%	<1%	1%	<1%
Find/seek shelter	1%	<1%	1%	<1%	1%	<1%
Go to a public shelter	1%	1%	1%	<1%	1%	1%
Hysterical/panic/die	1%	---	1%	---	1%	---
Locate/collect pets	1%	1%	1%	---	1%	1%
Shelter in place (general)	1%	<1%	1%	---	1%	<1%
Take radio/TV into shelter room	1%	1%	2%	2%	1%	1%
Use emergency kit	1%	1%	2%	2%	<1%	2%
Depends (general)	<1%	<1%	1%	---	<1%	<1%
Do all necessary actions	<1%	<1%	<1%	<1%	<1%	<1%
Find a place to go (unspecified)	<1%	---	---	---	<1%	---
Go to neighbor's home/family	<1%	1%	---	1%	<1%	<1%

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
Go to work (Arsenal, hospital, fire department, police)	<1%	<1%	<1%	<1%	<1%	<1%
Have no place to shelter	<1%	---	<1%	---	<1%	---
Nothing	<1%	---	1%	---	<1%	---
Put on chemical gear	<1%	<1%	---	<1%	<1%	---
Secure house	<1%	---	<1%	---	---	---
Would not shelter in place	<1%	<1%	<1%	1%	---	<1%
Go to courthouse	---	<1%	---	---	---	<1%

“Other” responses to Question 9:

IRZ

- I would do just that
- I would laugh at them
- use common sense

- wait for emergency help
- wait for help

PAZ

- be calm and civil
- contact church members to make sure they are safe
- depend on wind
- disconnect gas and electric from house
- find out why we are sheltering in place
- go to deer camp
- I would just do it

- I would precautions if I could if it wasn't radioactive
- I'd use my own judgment
- it's not much we could do we are so close
- rely on self
- same process
- stay away from the windows
- try to get there as fast as I can
- turn lights off

10. How would you know it would be safe to stop sheltering-in-place?⁴⁹

Table 23: Summarized Open-Ended Responses to Question 10

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
AM/FM radio	39%	40%	32%	35%	40%	40%
Television	35%	36%	24%	21%	37%	38%
Don't know	22%	17%	22%	18%	22%	17%
Tone alert radio	13%	14%	27%	37%	11%	10%
Siren/All-clear signal	9%	6%	13%	9%	8%	6%
Loudspeaker/bullhorn	4%	2%	10%	2%	4%	2%
Police	4%	3%	3%	2%	4%	4%
Telephone/cell phone	4%	4%	3%	3%	5%	4%
Family/relative	3%	2%	3%	2%	3%	2%
Friend/neighbor	3%	2%	2%	3%	3%	2%
Local emergency management agency	3%	3%	3%	2%	3%	3%
Fire Department	2%	2%	2%	1%	2%	2%
Sheriff's department	2%	2%	1%	2%	2%	2%
Word-of- mouth/someone will tell them (general)	2%	1%	2%	---	2%	1%
Alert/Alarm/Signal	1%	<1%	2%	<1%	<1%	---
Internet	1%	<1%	<1%	---	1%	<1%
Listen for instructions	1%	<1%	---	---	1%	<1%
Local authorities	1%	1%	---	1%	1%	1%
News/media	1%	1%	<1%	---	1%	1%

⁴⁹ Multiple responses were accepted for this question.

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
Other	1%	2%	2%	4%	1%	2%
Pine Bluff Arsenal	1%	<1%	<1%	2%	1%	<1%
Would not be there/evacuated	1%	1%	2%	2%	<1%	1%
Would not know	1%	<1%	1%	---	1%	1%
CSEPP Office	<1%	1%	<1%	1%	<1%	1%
Observe other people or animals/look outside	<1%	1%	<1%	---	<1%	1%
Route alerting	<1%	1%	1%	1%	---	1%
Shelter personnel would tell us	<1%	---	---	---	<1%	---
Work	<1%	<1%	---	1%	<1%	<1%
I would be dead	---	<1%	---	---	---	---

“Other” responses to Question 10:

IRZ

- depends on which way the wind is blowing
- he would move in the opposite direction of the wind
- I don’t think it would be ok

- live in town
- we were trained on the proving grounds
- would stay in shelter for a long time

PAZ

- church
- he would just trust the Lord
- national guard
- no he is too far out in the country
- pray and get it from the Father whatever God told me to do

- Red Cross (2)
- spirit would direct me
- wait
- we have a shelter that has a lot of layers

11. How confident are you that you know how to shelter in place in the event of a chemical emergency?

Table 24: Responses to Question 11

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
Very confident	22%	25%	29%	25%	21%	25%
Somewhat confident	35%	34%	35%	37%	35%	33%
Total “confident” responses	57%	59%	63%	61%	56%	58%
Not very confident	25%	22%	21%	22%	26%	22%
Not confident at all	18%	19%	15%	17%	19%	20%
Total “not confident” responses	43%	41%	37%	39%	44%	42%

The following two questions were asked of IRZ residents only.

12. Do you have a Tone Alert Radio (TAR)?

Table 25: Responses to Question 12

Response	IRZ May 2007	IRZ May 2006
Yes	51%	73%
No	49%	27%

Only respondents who answered “yes” to question 12 were asked question 13.

13. Is your Tone Alert Radio (TAR) plugged in?⁵⁰

Table 26: Responses to Question 13

Response	IRZ May 2007 (n=356)	IRZ May 2006 (n=327)
Yes	85%	84%

⁵⁰ It was only asked of residents who live in the IRZ.

Response	IRZ May 2007 (n=356)	IRZ May 2006 (n=327)
No	9%	14%
Other	3%	<1%
Don't know	3%	2%

“Other” responses to Question 13:

IRZ

- battery
- charged but not plugged in
- most of the time
- not at all times
- plugged in with batteries

44% of all IRZ residents say they have a Tone Alert Radio (TAR) and it is plugged in.

14. Do you have children in a local school in grades K–12?⁵¹

Table 27: Responses to Question 14

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
Yes	22%	24%	28%	26%	21%	24%
No/refused	78%	76%	72%	74%	79%	76%

⁵¹ If parents said their children were home schooled or refused to answer the question, they were not asked the remaining school-related questions.

Respondents who answered that they have children in Question 14 were asked questions 15–18.

15. Are you familiar with the emergency plan at your children’s schools?

Table 28: Responses to Question 15

Response	Total sample May 2007 (n=263)	Total sample May 2006 (n=265)	IRZ May 2007 (n=102)	IRZ May 2006 (n=86)	PAZ May 2007 (n=161)	PAZ May 2006 (n=179)
Yes	46%	46%	58%	59%	44%	43%
No	54%	54%	42%	41%	56%	57%

16. How confident are you that your children would be safe in the care of their schools in the event of a chemical emergency at the Pine Bluff Arsenal?

Table 29: Responses to Question 16

Response	Total sample May 2007 (n=263)	Total sample May 2006 (n=265)	IRZ May 2007 (n=102)	IRZ May 2006 (n=86)	PAZ May 2007 (n=161)	PAZ May 2006 (n=179)
Very confident	34%	40%	37%	40%	33%	40%
Somewhat confident	39%	36%	32%	30%	40%	36%
Total “confident” responses	72%	75%	69%	70%	73%	76%
Not very confident	16%	14%	17%	15%	15%	14%
Not confident at all	12%	11%	13%	15%	12%	10%
Total “not confident” responses	28%	25%	31%	30%	27%	24%

17. In the event of a chemical emergency at the Pine Bluff Arsenal, are you likely or unlikely to go to the school to get your children?

Table 30: Responses to Question 17

Response	Total sample May 2007 (n=263)	Total sample May 2006 (n=265)	IRZ May 2007 (n=102)	IRZ May 2006 (n=86)	PAZ May 2007 (n=161)	PAZ May 2006 (n=179)
Very likely	58%	60%	56%	42%	58%	63%
Somewhat likely	17%	13%	14%	16%	17%	13%
Total “likely” responses	75%	73%	70%	58%	75%	76%
Somewhat unlikely	10%	10%	11%	14%	9%	9%
Very unlikely	16%	17%	19%	28%	15%	15%
Total “unlikely” responses	25%	25%	30%	42%	25%	24%

If respondents answered “very likely” or “somewhat likely” to question 17, they were asked question 17b and question 18.

17b. Would you pick up your children immediately or when notified that it is safe to do so?⁵²

Table 31: Responses to Question 17b⁵³

Response	Parents who are likely to get their children May 2007 (n=192)	Parents who are likely to get their children May 2006 (n=113)	IRZ parents who are likely to get their children May 2007 (n=70)	IRZ parents who are likely to get their children May 2006 (n=31)	PAZ parents who are likely to get their children May 2007 (n=122)	PAZ parents who are likely to get their children May 2006 (n=82)
Immediately	62%	63%	60%	63%	63%	63%
When notified it is safe to do so	38%	37%	40%	37%	37%	37%

⁵² The Pine Bluff site added this question in August 2005.

⁵³ The answers in this table refer to residents who said “very likely” or “somewhat likely” in question 17.

Summary of Parents Likelihood to Go to Children's School during a Chemical Emergency

Table 32: Summary of Responses to Question 17 and 17b

Response	Total sample May 2007 (n=263)	Total sample May 2006 (n=265)	IRZ May 2007 (n=102)	IRZ May 2006 (n=86)	PAZ May 2007 (n=161)	PAZ May 2006 (n=179)
Likely to go to children's school immediately	47%	43%	42%	27%	47%	46%
Likely to go to children's school when notified it is safe to do so	28%	26%	28%	17%	28%	27%
Not likely to go to children's school	25%	32%	30%	56%	25%	27%

18. Why do you say that?⁵⁴Table 33: Summarized Open-Ended Responses to Question 18:
Likely to Get Children from School.

Response	Percent of total respondents within each category May 2007	Percent of total respondents within each category May 2006	Percent of IRZ respondents within each category May 2007	Percent of IRZ respondents within each category May 2006	Percent of PAZ respondents within each category May 2007	Percent of PAZ respondents within each category May 2006
Will Get Children Immediately	(n=121)	(n=113)	(n=42)	(n=31)	(n=79)	(n=82)
Will Get Children When Notified It Is Safe To Do So	(n=71)	(n=67)	(n=28)	(n=19)	(n=43)	(n=48)
Children are safer with me	54%	59%	41%	71%	56%	58%
Don't want to place self or others at risk	34%	11%	30%	47%	35%	6%
I want my children with me (general)	33%	36%	42%	29%	32%	37%

⁵⁴ Multiple responses were accepted for this question.

Response	Percent of total respondents within each category May 2007	Percent of total respondents within each category May 2006	Percent of IRZ respondents within each category May 2007	Percent of IRZ respondents within each category May 2006	Percent of PAZ respondents within each category May 2007	Percent of PAZ respondents within each category May 2006
I want my children with me so we can leave the area	23%	15%	31%	29%	21%	13%
School has a plan/is safe	20%	19%	14%	26%	21%	19%
Make sure my children are safe	19%	12%	11%	11%	21%	12%
Want to wait until it is safe	17%	20%	14%	26%	18%	19%
Make sure my children are safe	15%	8%	16%	23%	15%	6%
Don't trust the school	12%	7%	16%	6%	12%	7%
Protect my children	12%	8%	11%	23%	13%	6%
Other	11%	5%	8%	---	12%	6%
Live/Work close to or at the school	9%	9%	13%	13%	8%	8%
Parental instinct	9%	3%	12%	---	9%	3%
Other	7%	8%	---	---	9%	9%
Don't know/refused	6%	2%	3%	6%	6%	2%
Don't know/refused	6%	5%	8%	---	6%	6%
I want me children with me (general)	6%	18%	10%	11%	5%	19%
Protect my children	6%	3%	6%	11%	6%	2%
Children are safer with me	5%	30%	6%	16%	4%	31%
Parental instinct	5%	---	4%	---	5%	---

Response	Percent of total respondents within each category May 2007	Percent of total respondents within each category May 2006	Percent of IRZ respondents within each category May 2007	Percent of IRZ respondents within each category May 2006	Percent of PAZ respondents within each category May 2007	Percent of PAZ respondents within each category May 2006
Depends/not sure	3%	---	---	---	3%	---
I want my children with me so we can leave the area	3%	7%	8%	5%	2%	7%
Don't trust the school	2%	---	2%	---	2%	---
Don't want to place self or others at risk	2%	3%	6%	10%	2%	2%
Live/work close to or at the school	2%	5%	4%	---	2%	6%
School is not prepared	2%	3%	3%	6%	2%	3%
School has a plan/is safe	1%	1%	---	---	1%	1%
School is not prepared	1%	1%	---	5%	2%	---
Depends/not sure	<1%	---	3%	---	---	---
Want to wait until it is safe	<1%	<1%	3%	3%	---	---

“Other” responses to Question 18:

IRZ

- the instructions tell you not to go pick them up

- work for the arsenal

PAZ

- because I don't know; I'm ignorant what the plan is
- because of the situation, there is no shelter there
- home schooled
- I have to listen to whatever advisory

- I would go by what someone said
- I'm too far away at work
- not take off work
- to help the school
- wait for my husband to come
- would expect school to be prepared to inform parents

If respondents answered “very unlikely” or “somewhat unlikely” to Question 17, they were asked Question 18b.

18b. Why do you say you are unlikely to get your child/children from school?⁵⁵

Table 34: Summarized Open-Ended Responses to Question 18b: Unlikely to Get Children from School

Response	Percent of total respondents within each category May 2007 (n=71)	Percent of total respondents within each category May 2006 (n=85)
School has a plan/School is safe	33%	18%
My children are/child is safer at the school	29%	35%
Told not to try to get them	16%	12%
My child would be evacuated/bused elsewhere	12%	15%
Not able to get child even if I tried	11%	7%
Other	8%	19%
Trust the school	8%	9%
I'll be at work	7%	2%
Want to wait until is safe	7%	12%
Parents work at school	6%	6%
School is too far away	5%	4%
Someone else will get them	3%	---
Child drives himself/herself to school	2%	2%
Don't know/Refused	1%	1%

⁵⁵ Multiple responses were accepted for this question.

Table 35: Summarized Open-Ended Responses to Question 18b (IRZ only): Unlikely to Get Children from School

Response	Percent of IRZ respondents within each category May 2007 (n=32)	Percent of IRZ respondents within each category May 2006 (n=36)
School has a plan/School is safe	33%	31%
My child is/are safer at the school	28%	44%
Not able to get child even if I tried	15%	---
Other	10%	---
Trust the school	9%	11%
I'll be at work	8%	6%
Parents work at school	5%	---
Someone else will get them	5%	---
Don't know/Refused	4%	3%
Told not to try to get them	4%	11%
School is too far away	3%	6%
Child drives himself/herself to school	1%	3%
My child would be evacuated/bused elsewhere	1%	22%
Want to wait until is safe	1%	8%

Table 36: Summarized Open-Ended Responses to Question 18b: (PAZ only) Unlikely to Get Children from School

Response	Percent of PAZ respondents within each category May 2007 (n=39)	Percent of PAZ respondents within each category May 2006 (n=49)
School has a plan/School is safe	34%	15%
My child is/are safer at the school	30%	32%
Told not to try to get them	19%	12%
My child would be evacuated/bused elsewhere	15%	12%
Not able to get child even if I tried	11%	9%
Trust the school	8%	8%
Want to wait until is safe	8%	14%
I'll be at work	7%	2%
Other	7%	25%
Parents work at school	6%	---
School is too far away	5%	3%
Child drives himself/herself to school	2%	2%
Someone else will get them	2%	---
Don't know/Refused	---	---

“Other” responses to Question 18b:

IRZ

- confident that children can find their way home
- depending on my location at time of emergency

- Katie bar the door
- she rides the bus

PAZ

- Don't trust school system
- they are valuable to me; I would go get them

- will follow what ever instructions given
- wouldn't know who to get first

All Respondents

19. When was the last time you heard, saw, or read any information about how to prepare for a chemical emergency?

Table 37: Responses to Question 19

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
Within the last week	28%	22%	42%	27%	26%	21%
Within the last month	14%	15%	13%	20%	15%	14%
Within the last year	14%	14%	14%	15%	14%	14%
More than a year	12%	12%	7%	11%	12%	12%
Have received CSEPP information but do not recall when they received it	1%	1%	---	1%	1%	1%
Total that have received CSEPP information	69%	64%	78%	74%	68%	62%
Do not recall receiving CSEPP information	16%	15%	16%	9%	16%	16%
Never	15%	21%	6%	17%	16%	22%
Total that have not received CSEPP information	31%	36%	22%	26%	32%	38%

20. How have you received information about how to prepare for a chemical emergency?⁵⁶

Note: The table below shows the percentages of the total sample of respondents, not just respondents who have received CSEPP information.

Table 38: Summarized Open-Ended Responses to Question 20
Proportion of the Total Sample of Respondents

Response	Total sample May 2007 (n=1114)	Total sample May 2006 (n=1098)	IRZ May 2007 (n=356)	IRZ May 2006 (n=327)	PAZ May 2007 (n=758)	PAZ May 2006 (n=771)
Television	39%	33%	40%	29%	39%	34%
Total that have not received CSEPP information	31%	36%	22%	26%	32%	38%
AM/FM radio	10%	11%	13%	11%	10%	11%
Mail	9%	5%	17%	16%	7%	4%
Newspaper	7%	8%	7%	8%	8%	8%
Calendar	6%	4%	13%	11%	5%	3%
Work/training/military	6%	<1%	7%	<1%	6%	<1%
Informational pamphlet/flier	5%	4%	11%	7%	5%	3%
Internet/computer	5%	3%	7%	4%	5%	2%
Community event/fair/booth/meetings	3%	2%	4%	5%	3%	2%
Word-of-mouth	3%	3%	5%	4%	3%	3%
Informational package/kit	2%	1%	3%	3%	2%	1%
Magazine	2%	1%	2%	1%	1%	1%
Tone alert radio	2%	1%	8%	5%	2%	1%
Coursework/workshops	1%	<1%	---	<1%	1%	---

⁵⁶ Multiple responses were accepted for this question.

Response	Total sample May 2007 (n=1114)	Total sample May 2006 (n=1098)	IRZ May 2007 (n=356)	IRZ May 2006 (n=327)	PAZ May 2007 (n=758)	PAZ May 2006 (n=771)
CSEPP commercials/advertisement	1%	2%	1%	2%	1%	2%
Family/friends	1%	1%	---	<1%	1%	1%
Other	1%	1%	1%	1%	1%	<1%
Readerboard/highway message board	1%	<1%	1%	---	<1%	1%
School (general)	1%	1%	1%	1%	1%	1%
Siren/loudspeaker drills/testing	1%	<1%	2%	2%	1%	<1%
Speaker/speech	1%	1%	2%	3%	1%	1%
Billboard	<1%	<1%	1%	1%	<1%	<1%
Books	<1%	<1%	---	---	<1%	<1%
Children's school	<1%	<1%	---	---	<1%	<1%
Church	<1%	<1%	---	1%	<1%	<1%
Media/news	<1%	1%	---	---	<1%	1%
Phonebook	<1%	<1%	1%	---	---	<1%
Pine Bluff Arsenal	<1%	<1%	1%	<1%	---	<1%
Police/fire department	<1%	<1%	<1%	1%	<1%	<1%
Research/library	<1%	---	---	---	<1%	---
Telephone	<1%	<1%	<1%	---	<1%	<1%
Local EMA	---	<1%	---	<1%	---	---

“Other” responses to Question 20:

IRZ

- advisory committee
- everywhere I go

- haven't paid much attention
- the officials

PAZ

- after the 911 scare
- be on the radio
- common sense (2)
- I have a map
- info received from city hall
- OMS came and talked about it
- read and article about safe rooms; I am looking into this
- stop by local offices
- this survey

21. What do you recall from what you heard, saw, or read?⁵⁷

Note: The table below shows the percentages of the total sample of respondents, not just respondents who have received CSEPP information.

**Table 39: Summarized Open-Ended Responses to Question 21
Proportion of the Total Sample of Respondents**

Response	Total sample May 2007 (n=1114)	Total sample May 2006 (n=1098)	IRZ May 2007 (n=356)	IRZ May 2006 (n=327)	PAZ May 2007 (n=758)	PAZ May 2006 (n=771)
Evacuation route	24%	18%	32%	28%	23%	16%
General instructions/information on what's best to do	18%	9%	20%	11%	18%	8%
Be prepared	17%	14%	20%	15%	17%	14%
Evacuation plan/told to evacuate	16%	9%	25%	19%	14%	8%
Evacuation directions	15%	8%	25%	15%	13%	7%
Follow instructions	13%	5%	16%	8%	13%	4%
Evacuation zones	10%	6%	15%	13%	9%	5%
Food/water storage	9%	5%	10%	6%	9%	4%
Get emergency supplies ready (flashlight, candles, batteries, etc.)	8%	3%	11%	5%	8%	2%
Be alert	6%	3%	8%	4%	5%	3%
Do not remember	6%	8%	6%	6%	7%	8%

⁵⁷ Multiple responses were accepted for this question.

Response	Total sample May 2007 (n=1114)	Total sample May 2006 (n=1098)	IRZ May 2007 (n=356)	IRZ May 2006 (n=327)	PAZ May 2007 (n=758)	PAZ May 2006 (n=771)
Listen to tone alert radio, siren, and/or EAS	4%	2%	8%	6%	4%	1%
Other	4%	4%	3%	4%	4%	4%
Shelter-in-place	4%	3%	4%	3%	4%	3%
Chemical agents/gases	3%	3%	4%	2%	3%	3%
Drills/tests	3%	1%	6%	1%	3%	1%
Shelter-in-place kit	3%	4%	4%	2%	2%	4%
Already know the message	2%	2%	3%	3%	2%	1%
CSEPP commercials	2%	1%	1%	2%	3%	1%
Phone and website information	2%	1%	4%	<1%	3%	1%
Calendar	1%	1%	3%	4%	1%	<1%
Consult television/news	1%	<1%	---	<1%	1%	---
Nothing	1%	1%	2%	2%	<1%	<1%
Protective gear (masks, clothing)	1%	<1%	2%	1%	1%	<1%
School's plan for an emergency	1%	1%	2%	2%	1%	1%
Sirens make different sounds/tones	1%	1%	2%	2%	1%	1%
Survey questions	1%	1%	---	1%	1%	1%
AM/FM radio	<1%	<1%	---	---	<1%	<1%
Prior knowledge from training/work	<1%	---	<1%	---	<1%	---
Stay calm/don't panic	<1%	---	<1%	---	<1%	---
Stay inside/take cover	<1%	<1%	---	<1%	1%	<1%
Very little information	<1%	<1%	---	---	<1%	<1%

“Other” responses to Question 21:

IRZ

- the newscasters say we have time to get away
- arsenal is pretty safe and trustworthy
- dangerous
- decide on a meeting place
- EMA would do what they could to protect community

PAZ

- 85% of it and I read the paper
- arsenal would give TAR to close areas
- asking about the CSEPP plan and that they were giving radios
- decontamination procedures
- decontamination units
- depends on what was expected
- everything
- friend
- he says the place is safe
- how they can figure it happen
- how to contain the proper authorities
- I keep information near my chair and refrigerator
- if she calls number she will contain more info
- if you received tone radio
- it was very interesting
- its very, very dangerous

- gave me confidence
- go where the air flows out not in
- I heard that it was cleared away
- not me
- program said you where to far out
- CSEPP
- used to live near the arsenal; not worried about it at all

- just asking people if they are aware
- let each dept conduct its own processes but coordinated
- lost information in house fire
- meeting place
- number of people that can be affected
- POD point of disbursements
- puts a lot of confidence in the people
- radios that were given out
- radius fallouts, etc.
- that there is a program out there
- the tone alert radios that people been getting
- things about the Pine Bluff arsenal
- try to make sure you keep it out
- wait got elders to call
- we are not in danger
- where to get information (2)

22. How confident are you that the public will be notified quickly in case of a chemical emergency at the Pine Bluff Arsenal?⁵⁸

Table 40: Responses to Question 22

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
Very confident	45%	43%	55%	49%	44%	42%
Somewhat confident	32%	30%	26%	32%	33%	29%
Total “confident” responses	77%	73%	81%	80%	76%	72%
Not very confident	15%	16%	14%	10%	15%	17%
Not confident at all	9%	11%	5%	9%	9%	11%
Total “not confident” responses	23%	27%	19%	20%	24%	28%

23. Why do you say that you are confident/not confident?^{59,60}

Table 41: Responses to Question 23: Total Respondents in Each Category

Response	Percent of total respondents within each category May 2007	Percent of total respondents within each category May 2006
Confident Will be Notified Quickly	(n=859)	(n=823)
Arsenal has kept the public informed	20%	23%
Alert system is good	18%	23%
I trust the Arsenal	18%	15%
Local media would let us know	18%	14%
Arsenal is prepared	15%	13%
Always been told when something happens	11%	13%

⁵⁸ In August 2005, the “don’t know” category was removed. If respondents answered “don’t know,” they were asked to choose the category that most closely reflected their opinion.

⁵⁹ In August 2005, the Pine Bluff site added “you are confident/not confident” to the end of this question in order to give further clarification to the respondents.

⁶⁰ Multiple responses were accepted for this question.

Response	Percent of total respondents within each category May 2007	Percent of total respondents within each category May 2006
I trust the local government officials and/or first responders	11%	7%
Arsenal does a lot of drills/tests	9%	10%
Arsenal would try to contain the accident before alerting the public	7%	9%
Local government officials and/or first responders will alert us	7%	5%
Don't know	6%	5%
Someone I know works/worked at the Arsenal	6%	6%
Arsenal would take a chemical release seriously	5%	6%
Other	5%	5%
Local government officials would try to contain the accident before alerting the public	4%	3%
There would be a delay in notifying the public/ Information will not reach the public quickly	4%	2%
I work/worked at the Arsenal	3%	3%
Public is well informed/Talked about all the time/Advertised	2%	2%
They would let us know; it is their job	2%	2%
Because of past experiences/Katrina	1%	<1%
Hopes someone would tell them	1%	1%
Just don't think we will be informed/Not sure if we would be informed	1%	<1%
Live close to Arsenal	1%	<1%

Response	Percent of total respondents within each category May 2007	Percent of total respondents within each category May 2006
Word would get out because of the seriousness of the incident	1%	1%
Just feel that way	<1%	1%
People may not pay attention	<1%	1%
Alert system does not work or is inadequate	---	1%
Not Confident Will be Notified Quickly	(n=255)	(n=275)
Community is not very well informed	20%	20%
I do not trust the Arsenal	17%	13%
I don't trust the local government officials	17%	13%
Don't know	14%	8%
Arsenal would try to contain the accident before alerting people	13%	2%
Arsenal would try to cover up a chemical release	13%	12%
Local government officials are not prepared	12%	6%
Local government officials would try to cover up a chemical release	12%	9%
Not enough time to alert everyone	10%	18%
There have been incidents before and we were not told	10%	8%
Arsenal is not prepared	8%	8%
Other	7%	10%
Alert system does not work or is inadequate	6%	8%
Cannot hear/understand the sirens	5%	4%

Response	Percent of total respondents within each category May 2007	Percent of total respondents within each category May 2006
There would be a delay in notifying the public/ Information will not reach the public quickly	4%	---
Don't know anything about it	3%	---
Just feel that way	2%	---
People may not pay attention	2%	---
Just don't think we will be informed/Not sure if we will be informed	1%	3%
They would let us know/It's their job	1%	---
Because of past experience/Katrina	---	3%

Table 42: Responses to Question 23: Respondents in Each Category by IRZ/PAZ

Response	Percent of IRZ respondents within each category May 2007	Percent of IRZ respondents within each category May 2006	Percent of PAZ respondents within each category May 2007	Percent of PAZ respondents within each category May 2006
Confident Will be Notified Quickly	(n=290)	(n=263)	(n=569)	(n=560)
Alert system is good	29%	29%	16%	23%
Arsenal has kept the public informed	28%	29%	18%	22%
I trust the Arsenal	23%	20%	17%	14%
Arsenal is prepared	21%	16%	14%	13%
Always been told when something happens	14%	13%	11%	13%
Arsenal does a lot of drills/tests	14%	11%	8%	9%
Local media would let us know	12%	11%	19%	14%

Response	Percent of IRZ respondents within each category May 2007	Percent of IRZ respondents within each category May 2006	Percent of PAZ respondents within each category May 2007	Percent of PAZ respondents within each category May 2006
I trust the local government officials and/or first responders	11%	7%	11%	7%
Arsenal would try to contain the accident before alerting the public	10%	7%	7%	10%
Someone I know works/worked at the Arsenal	9%	9%	6%	5%
Arsenal would take a chemical release seriously	6%	7%	5%	6%
I work/worked at the Arsenal	6%	5%	3%	3%
Local government officials and/or first responders will alert us	6%	5%	7%	4%
Don't know	5%	5%	6%	5%
Other	5%	3%	5%	5%
Just feel that way	2%	1%	<1%	1%
Local government officials would try to contain the accident before alerting the public	2%	5%	5%	2%
There would be a delay in notifying the public/Information will not reach the public quickly	2%	2%	4%	1%
Because of the past experience/Katrina	1%	---	1%	---
Hopes someone would tell them	1%	<1%	1%	1%
Just don't think we will be informed/Not sure if we will be informed	1%	---	1%	---
They would let us know; it is their job	1%	2%	2%	2%
Word would get out because of the seriousness of the incident	1%	---	1%	2%

Response	Percent of IRZ respondents within each category May 2007	Percent of IRZ respondents within each category May 2006	Percent of PAZ respondents within each category May 2007	Percent of PAZ respondents within each category May 2006
Live close to Arsenal	<1%	---	1%	<1%
People may not pay attention	<1%	---	---	---
Public is well informed/Talked about all the time/Advertised	<1%	1%	2%	2%
Not Confident Will be Notified Quickly	(n=66)	(n=64)	(n=189)	(n=211)
I do not trust the Arsenal	29%	11%	16%	13%
Community is not very well informed	24%	28%	19%	19%
Arsenal is not prepared	20%	13%	6%	8%
Not enough time to alert everyone	16%	25%	10%	18%
I don't trust the local government officials	15%	9%	18%	14%
Local government officials are not prepared	15%	5%	11%	6%
Other	13%	6%	6%	11%
Local government officials would try to cover up a chemical release	12%	6%	12%	10%
Alert system does not work or is inadequate	11%	8%	5%	8%
There have been incidents before and we were not told	11%	9%	9%	8%
Arsenal would try to cover up a chemical release	10%	16%	13%	12%
Cannot hear/understand the sirens	7%	5%	5%	4%
Don't know	7%	8%	14%	8%
There would be a delay in notifying the public/ Information will not reach the public quickly	4%	---	4%	---

Response	Percent of IRZ respondents within each category May 2007	Percent of IRZ respondents within each category May 2006	Percent of PAZ respondents within each category May 2007	Percent of PAZ respondents within each category May 2006
They will let us know/It's their job	3%	---	<1%	---
Don't know anything about it	2%	---	3%	---
Just feel that way	2%	---	2%	---
Arsenal will try to contain an accident before alerting public	---	---	---	2%
Because of past experiences/Katrina	---	2%	---	3%
Just don't think we will be informed/Not sure if we will be informed	---	---	1%	3%
People may not pay attention	---	---	2%	---

“Other” responses to Question 23, for those who are “Confident” they will be notified quickly in case of a chemical emergency:

IRZ

- all information from
- army knows they're there
- believes personal intelligence will help
- doesn't trust electrical equipment
- hear little comments about the CSEPP; not very familiar
- heard the government got rid of bad gases at the arsenal
- humans are in charge of it

- I'm hoping they know what there doing out there
- liability
- lived a long time
- never experienced it
- supposed to know
- things will get mixed up
- we don't get enough warnings
- what would it benefit from them not telling us

PAZ

- all the expense he personally put in his alert system
- because he trusts in God
- believe; have faith
- depends on the degree of the problem
- different area

- doesn't know if she would be very well prepared
- don't have super strong winds
- don't think that they will make stuff up
- forget about us
- I do not trust the government all

- it would be a bad disaster if they don't notify people
- less time for us to prepare
- my faith in God, that he will instruct me what to do.
- need to make sirens louder
- never heard info
- not too much confidence in the government
- still thinks more info needs to be put out
- technology
- there would be a big fallout from the community if not
- too much back flash
- until they had to notify people
- we never hear it often enough if something happens
- wind direction
- work at the hospital
- would get in trouble; their benefit
- you gonna see people moving
- you know how it is

"Other" responses to Question 23, for those who are "Not confident" they will be notified quickly in case of a chemical emergency:

IRZ

- because of where I live in Jefferson county
- chaos
- don't trust media
- I can't answer that
- it would be too chaotic
- political issues
- told she would not need equipment
- we all stop in our tracks
- worked before and she knows

PAZ

- don't have car and not sure how he would be able to get away
- don't live close enough
- everything is so secretive over there
- government not in tune with the public
- I don't care about the public
- I have no confidence; there's been mismanagement
- I just don't feel it would reach this far
- live in bad area; travel a lot
- live too far away from Pine Bluff to know what's going on
- panic
- the media or the arsenal tends to downplay events
- tornado info is not good

24. Please tell me if you agree or disagree with the following statement: “I am able to protect myself and my family in the event of a chemical emergency?”⁶¹

WAIT AND ASK: Is that strongly agree/disagree or somewhat agree/disagree?

Table 43: Answers to Question 24

	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
Agree strongly	24%	28%	28%	26%	23%	28%
Agree somewhat	42%	36%	37%	44%	42%	35%
Total “agree” responses	65%	64%	65%	70%	65%	63%
Disagree somewhat	18%	19%	21%	15%	17%	20%
Disagree strongly	17%	17%	14%	15%	18%	18%
Total “disagree” responses	35%	36%	35%	30%	35%	37%

25. How would you prefer to receive emergency preparedness information?⁶²

Table 44: Responses to Question 25

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
Television	60%	53%	58%	47%	61%	54%
AM/FM radio	38%	32%	36%	36%	38%	31%
Direct mail	36%	42%	45%	45%	34%	42%
Internet	17%	14%	18%	16%	17%	14%
Newspaper	17%	15%	22%	22%	17%	14%
Calendar	12%	12%	19%	17%	11%	11%
Telephone	2%	1%	2%	1%	2%	1%
No preference/does not matter/do not care	1%	1%	<1%	1%	1%	1%

⁶¹ In August 2005, the “don’t know” category was removed. If respondents answered “don’t know” they were asked to choose the category that most closely reflected their opinion.

⁶² Multiple responses were accepted for this question.

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
Other	1%	1%	2%	2%	1%	1%
Public meeting	1%	1%	<1%	---	1%	1%
Siren	1%	<1%	1%	<1%	<1%	<1%
Tone Alert Radio	1%	<1%	3%	2%	<1%	<1%
Do not want information	<1%	<1%	---	---	<1%	<1%
Don't know	<1%	1%	<1%	1%	<1%	1%
Door-to-door	<1%	<1%	---	---	<1%	<1%
Loud speaker	<1%	---	1%	---	<1%	---
Other reading materials	<1%	1%	<1%	1%	<1%	1%

“Other” responses to Question 25:

IRZ

- all of the above (2)
- better over the intercom

- handle things as she goes along
- warning

PAZ

- as quickly as possible
- doesn't know
- high sheriff
- media services
- nursing home
- police dept. fire dept. red cross

- police scanner
- sign
- smoke signal
- warning signals
- word-of-mouth (2)

26. Which emergency planning sub-zone do you live in?

Table 45: Responses to Question 26

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
Zone is Inside the IRZ						
A	1%	1%	2%	4%	<1%	---
B	<1%	<1%	<1%	1%	<1%	---
C	<1%	<1%	1%	1%	<1%	<1%
D	<1%	<1%	<1%	<1%	<1%	<1%
E	<1%	<1%	---	<1%	<1%	<1%
F	---	---	---	---	---	---
G	---	<1%	---	1%	---	---
H	1%	1%	2%	4%	<1%	1%
I	<1%	1%	1%	2%	---	1%
J	<1%	<1%	<1%	2%	<1%	<1%
K	<1%	<1%	<1%	1%	---	<1%
L	<1%	<1%	<1%	---	---	<1%
Zone is Inside the PAZ						
AA	<1%	<1%	<1%	---	<1%	---
AB	<1%	<1%	---	---	<1%	---
AC	<1%	<1%	---	---	<1%	<1%
AD	<1%	---	<1%	---	---	---
AE	---	---	---	---	---	---
AF	<1%	<1%	---	---	---	<1%
AG	---	<1%	---	---	---	<1%

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
AH	<1%	<1%	1%	---	<1%	<1%
AI	---	---	---	---	---	---
BA	<1%	<1%	---	---	<1%	<1%
BB	<1%	---	---	---	<1%	---
BC	<1%	---	<1%	---	<1%	---
BD	---	---	---	---	---	---
CA	---	---	---	---	---	---
CB	---	---	---	---	---	---
CC	---	---	---	---	---	---
DA	---	---	---	---	---	---
DB	<1%	---	---	---	<1%	---
DC	---	---	---	---	---	---
DD	---	---	---	---	---	---
EA	---	---	---	---	---	---
EB	---	---	---	---	---	---
EC	---	---	---	---	---	---
ED	<1%	---	---	---	<1%	---
EE	---	---	---	---	---	---
FA	---	---	---	---	---	---
GA	---	---	---	---	---	---
HA	---	---	---	---	---	---
HB	---	---	---	---	---	---
IA	---	---	---	---	---	---

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
IB	---	---	---	---	---	---
JA	---	---	---	---	---	---
Summary						
Total that named a zone.	4%	5%	9%	17%	3%	3%
Total did not name an alpha-numeric zone/other.	96%	95%	91%	83%	97%	97%

“Other” responses to Question 26:

IRZ

- 4 (68 times)
- 7
- 71603
- blue
- gg
- ground zero
- immediate (2)
- w

PAZ

- 4 (71 times)
- 5, b, l
- 5h
- don’t remember right now, but I have access to the info
- e5
- just outside the zones listed
- not on the map
- outside the 75-mile radius
- PAZ
- Pine Bluff
- qwe report to the civic
- we would receive evacuees from Pine Bluff
- zone 4

27. Have you read the emergency preparedness information in the annual Arkansas emergency preparedness calendar?⁶³

Table 46: Responses to Question 27

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
Yes.	24%	23%	50%	52%	20%	19%
No, received calendar but did not read it	7%	12%	12%	18%	7%	10%
No, have not received the calendar	69%	65%	38%	29%	73%	71%
Total "No" responses	76%	77%	50%	48%	80%	81%

Only respondents who said "yes" to question 27 were asked question 28.

28. Do you feel like the information in the calendar helped you to become more prepared for a possible chemical emergency?

Table 47: Responses to Question 28: Percentage of Respondents Who Have Read Calendar Information

Response	Total sample May 2007 (n=326)	Total sample May 2006 (n=322)	IRZ May 2007 (n=178)	IRZ May 2006 (n=171)	PAZ May 2007 (n=148)	PAZ May 2006 (n=151)
Yes	94%	84%	94%	89%	94%	82%
No	6%	16%	6%	11%	6%	18%

⁶³ The Pine Bluff site added this question in October 2003. In April 2004, the Pine Bluff site separated the "don't know" category into two sub-categories to distinguish between the survey respondents who received a calendar and have not read it, and those who have not received a calendar. In addition, the "partially" and "don't know" categories were removed.

Summary of Calendar Results

Table 48: Summary of Responses to Question 27 and 28

Response	Total sample May 2007	Total sample May 2007	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
Read the calendar and feel more prepared for a chemical emergency	23%	19%	48%	46%	19%	15%
Read the calendar and <u>do not</u> feel more prepared for a chemical emergency	1%	4%	3%	6%	1%	3%%
Did not read or receive a calendar	76%	77%	50%	48%	80%	81%

29. What is your approximate age, please?

Table 49: Responses to Question 29

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
18–29	8%	9%	9%	6%	8%	9%
30–34	5%	7%	5%	5%	5%	7%
35–44	12%	13%	11%	16%	12%	12%
45–54	19%	23%	21%	23%	19%	23%
55–59	12%	13%	10%	14%	12%	12%
60–64	10%	10%	10%	11%	10%	9%
65+	34%	26%	34%	24%	33%	26%
Refused	1%	1%	<1%	2%	1%	<1%

30. Gender

Table 50: Responses to Question 30

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
Male	29%	32%	26%	31%	30%	32%
Female	71%	68%	74%	69%	70%	68%

31. Are you of Hispanic or Latino origin?

Table 51: Responses to Question 31

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
Yes	1%	1%	2%	1%	1%	1%
No	97%	99%	96%	98%	98%	99%
Refused	1%	<1%	1%	1%	1%	---

31b. What is your race? Please select one or more. Are you....

Table 52: Responses to Question 31b

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
Caucasian or White	72%	72%	64%	80%	73%	71%
African-American or Black	22%	22%	30%	14%	21%	23%
Hispanic	1%	1%	2%	1%	1%	1%
Asian, Hawaiian or Pacific Islander	<1%	1%	---	---	<1%	1%
American Indian or Alaskan Native	1%	2%	1%	2%	1%	2%
American	1%	---	<1%	---	1%	---
Other	1%	2%	1%	2%	1%	2%
Refused	2%	<1%	2%	1%	2%	<1%

“Other” responses to Question 31

IRZ

- human

- Irish

PAZ

- different races
- everything
- Hispanic

- I’m a mixed breed
- Irish (2)
- Italian

32. How long have you lived in the area?

Table 53: : Responses to Question 32

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
5 years or less	16%	18%	16%	20%	16%	18%
6–10 years	12%	13%	13%	9%	12%	13%
11–15 years	9%	9%	9%	7%	10%	10%
16–20 years	8%	8%	5%	9%	8%	8%
More than 20 years	55%	52%	57%	54%	54%	52%
Don't know/refused	1%	<1%	<1%	1%	1%	<1%

33. What is the highest level of education you have completed?

Table 54: : Responses to Question 33

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
Some high school or less	13%	12%	15%	11%	13%	13%
High school graduate	33%	32%	27%	29%	34%	32%
Vocational or technical school	4%	4%	3%	6%	4%	4%
Some college	24%	22%	24%	23%	24%	21%
College graduate	16%	16%	15%	17%	16%	16%
Some graduate work	3%	2%	3%	3%	3%	2%

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
Master's degree	5%	7%	9%	6%	4%	7%
Doctorate degree	2%	1%	2%	1%	2%	1%
Don't know/refused	1%	3%	1%	3%	1%	3%

“Other” responses to Question 33

IRZ

- It doesn't matter

34. Which of the following best describes your family's income?

Table 55: Responses to Question 34

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
Under \$15,000	15%	12%	13%	11%	15%	12%
\$15,000–<\$25,000	12%	9%	16%	10%	12%	9%
\$25,000–<\$35,000	12%	13%	13%	14%	12%	13%
\$35,000–<\$50,000	14%	15%	16%	14%	14%	15%
\$50,000–<\$75,000	16%	15%	11%	15%	17%	15%
Over \$75,000	11%	14%	12%	16%	10%	14%
Don't know/Refused	19%	22%	17%	20%	20%	23%

35. Do you have access to the Internet?

Table 56: : Responses to Question 35

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
Yes	63%	64%	64%	67%	63%	63%
No	37%	36%	36%	33%	37%	37%

36. Are you, or any member of your household, a member of the local emergency management or first responder community (e.g., fire, police, etc.)?

Table 57: Responses to Question 36

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
Yes	7%	9%	7%	10%	8%	9%
No	93%	91%	93%	90%	92%	91%

37. Are you, or any member of your household, employed by the Pine Bluff Arsenal?

Table 58: Responses to Question 37

Response	Total sample May 2007	Total sample May 2006	IRZ May 2007	IRZ May 2006	PAZ May 2007	PAZ May 2006
Yes, Pine Bluff Arsenal employee	4%	5%	9%	8%	3%	4%
Yes, contractor of Pine Bluff Arsenal	5%	5%	8%	12%	5%	4%
No	91%	90%	84%	80%	92%	92%

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Appendix B: Pine Bluff CSEPP Emergency Planning Zone Cross Tabulations

This appendix contains cross tabulations from the April 06 survey of the Chemical Stockpile Emergency Preparedness Program (CSEPP) site in Pine Bluff, Arkansas. Responses have been combined to produce categories that contain at least 30 survey respondents for statistical purposes. Only those categories with 30 or more survey respondents are shown in these tables. Consequently, questions where all categories had less than 30 survey respondents are not included.

Note: Questions with multiple responses will not add to 100%, and questions without multiple responses may not add to 100% due to rounding.

1. Are you aware of the chemical agents at the Pine Bluff Arsenal?⁶⁴

Table 59: Responses to Question 1

	Yes	No
Total Sample	89%	11%
County and IRZ/PAZ		
Arkansas County PAZ	93%	7%
Cleveland County PAZ	90%	10%
Dallas County PAZ	87%	13%
Grant County IRZ	93%	7%
Grant County PAZ	90%	10%
Jefferson County IRZ	93%	7%
Jefferson County PAZ	91%	9%
Lincoln County PAZ	97%	3%
Lonoke County PAZ	77%	23%
Pulaski County PAZ	82%	18%
Saline County PAZ	86%	14%

⁶⁴ This question was not asked in the October 2003 IRZ survey.

1. Are you aware of the chemical agents at the Pine Bluff Arsenal?

	Yes	No
Respondent Age		
18–29	84%	16%
30–34	90%	10%
35–44	95%	5%
45–54	86%	14%
55–59	93%	7%
60–64	91%	9%
65+	87%	13%
Respondent Gender		
Male	89%	11%
Female	88%	12%
Respondent Ethnicity		
African American/Black	81%	19%
Caucasian/White	91%	9%
Respondent Time in the Vicinity		
5 years or less	79%	21%
6–10 years	90%	10%
11–15 years	93%	7%
16–20 years	93%	7%
More than 20 years	89%	11%
Respondent Education Level		
Some high school or less	75%	25%
High school graduate	88%	12%
Vocational or technical school	90%	10%
Some college	90%	10%
College graduate	97%	3%

1. Are you aware of the chemical agents at the Pine Bluff Arsenal?

	Yes	No
Some graduate work	83%	17%
Master's degree	95%	5%
PhD degree	98%	2%
Household Income of the Family		
Under \$15,000	80%	20%
\$15,000 – \$25,000	85%	15%
\$25,000 – \$35,000	93%	7%
\$35,000 – \$50,000	93%	7%
\$50,000 – \$75,000	92%	8%
Over \$75,000	94%	6%
Respondents with Children in School (K–12)		
Yes	92%	8%
No	88%	12%
Household Member is a First Responder or Local EMA Employee		
Yes	91%	9%
No	88%	12%
Household Member is an Employee of the Arsenal or Contractor of the Arsenal		
Yes, Work for Pine Bluff Arsenal	99%	1%
Yes, Contractor of the Pine Bluff Arsenal	91%	9%
No	88%	12%
Received CSEPP Information		
Received information	94%	6%
Not received information	77%	23%

1. Are you aware of the chemical agents at the Pine Bluff Arsenal?

	Yes	No
Read the Annual Arkansas Emergency Preparedness Calendar		
Yes	97%	3%
No, have not read it	86%	14%
No, have not received a calendar	86%	14%
Have Internet Access		
Yes	93%	7%
No	81%	19%
Have a Tone Alert Radio		
Yes	98%	2%
No	88%	12%
Confident in Ability to Shelter In Place		
Total confident	91%	9%
Total not confident	86%	14%
Trust and Control Category		
Participants	92%	8%
Believers	84%	16%
Watchdogs	85%	15%
Cynics	87%	13%

2. How concerned are you about the following?⁶⁵

Table 60: Responses to Question 2

	Total Concerned				Total Not Concerned			
	Chemical emergency	Tornado	Flood	Earthquake	Chemical emergency	Tornado	Flood	Earthquake
Total Sample	59%	78%	31%	35%	41%	22%	69%	65%
County and IRZ/PAZ								
Arkansas County PAZ	67%	90%	37%	47%	33%	10%	63%	53%
Cleveland County PAZ	61%	74%	13%	26%	39%	26%	87%	74%
Dallas County PAZ	68%	81%	39%	35%	32%	19%	61%	65%
Grant County IRZ	62%	78%	18%	27%	38%	22%	82%	73%
Grant County PAZ	62%	78%	16%	34%	38%	22%	84%	66%
Jefferson County IRZ	62%	75%	33%	39%	38%	25%	67%	61%
Jefferson County PAZ	66%	76%	41%	35%	34%	24%	59%	65%
Lincoln County PAZ	65%	70%	22%	38%	35%	30%	78%	62%
Lonoke County PAZ	58%	87%	45%	43%	42%	13%	55%	57%
Pulaski County PAZ	61%	85%	31%	39%	39%	15%	69%	61%
Saline County PAZ	47%	79%	24%	31%	53%	21%	76%	69%

⁶⁵ This series of questions were not asked in the November 2002 survey. In August 2005, the “don’t know” category was removed. If respondents answered “don’t know” they were asked to choose the category that most closely reflected their opinion.

2. How concerned are you about the following?

	Total Concerned				Total Not Concerned			
	Chemical emergency	Tornado	Flood	Earthquake	Chemical emergency	Tornado	Flood	Earthquake
Respondent Age								
18–29	68%	78%	40%	20%	32%	22%	60%	80%
30–34	46%	74%	27%	16%	54%	26%	73%	84%
35–44	64%	81%	28%	34%	36%	19%	72%	66%
45–54	61%	75%	34%	34%	39%	25%	66%	66%
55–59	58%	80%	32%	35%	42%	20%	68%	65%
60–64	66%	82%	29%	41%	34%	18%	71%	59%
65+	54%	78%	29%	20%	46%	22%	71%	60%
Respondent Gender								
Male	47%	70%	21%	26%	53%	30%	79%	74%
Female	64%	81%	35%	38%	36%	19%	65%	62%
Respondent Ethnicity								
African American/Black	82%	78%	58%	48%	18%	21%	42%	70%
Caucasian/White	53%	79%	22%	30%	47%	22%	78%	52%
Respondent Time in the Vicinity								
5 years or less	66%	79%	37%	34%	34%	21%	63%	66%
6–10 years	55%	73%	26%	27%	45%	27%	74%	73%

2. How concerned are you about the following?

	Total Concerned				Total Not Concerned			
	Chemical emergency	Tornado	Flood	Earthquake	Chemical emergency	Tornado	Flood	Earthquake
11–15 years	58%	76%	31%	35%	42%	24%	69%	65%
16–20 years	59%	85%	37%	36%	41%	15%	63%	64%
More than 20 years	58%	78%	30%	37%	42%	22%	70%	63%
Respondent Education Level								
Some high school or less	61%	78%	36%	42%	39%	22%	64%	58%
High school graduate	63%	81%	32%	37%	37%	19%	68%	63%
Vocational or technical school	55%	77%	19%	38%	45%	23%	81%	62%
Some college	58%	79%	32%	33%	42%	21%	68%	67%
College graduate	55%	73%	28%	27%	45%	27%	72%	73%
Some graduate work	68%	77%	26%	33%	32%	23%	74%	67%
Master's degree	61%	75%	29%	35%	39%	25%	71%	65%
PhD degree	40%	70%	33%	30%	60%	30%	67%	70%
Household Income of the Family								
Under \$15,000	66%	81%	44%	50%	34%	19%	56%	50%
\$15,000 – <\$25,000	68%	77%	37%	38%	32%	23%	63%	62%
\$25,000 – <\$35,000	58%	86%	22%	29%	42%	14%	78%	71%
\$35,000 – <\$50,000	64%	76%	33%	35%	36%	24%	67%	65%

2. How concerned are you about the following?

	Total Concerned				Total Not Concerned			
	Chemical emergency	Tornado	Flood	Earthquake	Chemical emergency	Tornado	Flood	Earthquake
\$50,000 – <\$75,000	51%	72%	21%	26%	49%	28%	79%	74%
Over \$75,000	48%	78%	27%	30%	52%	22%	73%	70%
Respondents with Children in School (K-12)								
Yes	65%	81%	34%	35%	35%	19%	66%	65%
No	57%	77%	30%	35%	43%	23%	70%	65%
Household Member is a First Responder or Local EMA Employee								
Yes	49%	76%	26%	28%	51%	24%	74%	72%
No	60%	78%	31%	35%	40%	22%	69%	65%
Household Member is an Employee of the Arsenal or Contractor of the Arsenal								
Yes, work for the Arsenal	45%	59%	26%	43%	55%	41%	74%	57%
Yes, contractor of the Arsenal	60%	72%	28%	35%	40%	28%	72%	65%
No	60%	79%	31%	34%	40%	21%	69%	66%
Received CSEPP Information								
Received information	58%	78%	31%	33%	42%	22%	69%	67%
Not received information	60%	78%	32%	39%	40%	22%	68%	61%
Read the Annual Arkansas Emergency Preparedness Calendar								
Yes	61%	79%	33%	36%	39%	21%	67%	64%

2. How concerned are you about the following?

	Total Concerned				Total Not Concerned			
	Chemical emergency	Tornado	Flood	Earthquake	Chemical emergency	Tornado	Flood	Earthquake
No, have not read it	59%	62%	22%	28%	41%	38%	78%	72%
No, have not received a calendar	58%	79%	31%	35%	42%	21%	69%	65%
Have Internet Access								
Yes	57%	77%	27%	30%	43%	23%	73%	70%
No	63%	80%	37%	43%	37%	20%	63%	57%
Have a Tone Alert Radio								
Yes	52%	70%	25%	35%	48%	30%	75%	65%
No	72%	80%	39%	41%	28%	20%	61%	59%
Confident in Ability to Shelter In Place								
Total confident	58%	77%	32%	37%	42%	23%	68%	63%
Total not confident	61%	80%	30%	32%	39%	20%	70%	68%
Respondent Trust and Control Category								
Participants	55%	77%	30%	35%	45%	23%	70%	65%
Believers	62%	78%	35%	35%	38%	22%	65%	65%
Watchdogs	55%	80%	30%	26%	45%	20%	70%	74%
Cynics	72%	84%	31%	43%	28%	16%	69%	57%

3. Do you or your family have an emergency plan to deal with the following?⁶⁶

Table 61: Responses to Question 3

	Natural disaster		Chemical emergency	
	Yes	No	Yes	No
Total Sample	40%	60%	37%	63%
County and IRZ/PAZ				
Arkansas County PAZ	33%	67%	23%	77%
Cleveland County PAZ	35%	65%	32%	68%
Dallas County PAZ	26%	74%	29%	71%
Grant County IRZ	38%	62%	42%	58%
Grant County PAZ	46%	54%	48%	52%
Jefferson County IRZ	47%	53%	57%	43%
Jefferson County PAZ	45%	55%	51%	49%
Lincoln County PAZ	24%	76%	32%	68%
Lonoke County PAZ	36%	64%	32%	68%
Pulaski County PAZ	36%	64%	18%	82%
Saline County PAZ	34%	66%	18%	82%
Respondent Age				
18–29	49%	51%	41%	59%
30–34	51%	49%	49%	51%
35–44	50%	50%	45%	55%
45–54	43%	57%	37%	63%
55–59	42%	58%	43%	57%
60–64	29%	71%	31%	69%
65+	34%	66%	32%	68%

⁶⁶ This series of questions was not asked in the November 2002 survey.

3. Do you or your family have an emergency plan to deal with the following?

	Natural disaster		Chemical emergency	
	Yes	No	Yes	No
Respondent Gender				
Male	49%	51%	42%	58%
Female	36%	64%	35%	65%
Respondent Ethnicity				
African American/Black	32%	68%	32%	68%
Caucasian/White	42%	58%	39%	61%
Respondent Time in the Vicinity				
5 years or less	41%	59%	35%	65%
6–10 years	42%	58%	40%	60%
11–15 years	43%	57%	35%	65%
16–20 years	33%	67%	37%	63%
More than 20 years	40%	60%	38%	62%
Respondent Education Level				
Some high school or less	17%	83%	21%	79%
High school graduate	32%	68%	36%	64%
Vocational or technical school	37%	63%	34%	66%
Some college	53%	47%	45%	55%
College graduate	54%	46%	44%	56%
Some graduate work	44%	56%	37%	63%
Master's degree	39%	61%	31%	69%
PhD degree	52%	48%	46%	54%
Household Income of the Family				
Under \$15,000	28%	72%	27%	73%
\$15,000 – <\$25,000	38%	62%	37%	63%
\$25,000 – <\$35,000	40%	60%	43%	57%

3. Do you or your family have an emergency plan to deal with the following?

	Natural disaster		Chemical emergency	
	Yes	No	Yes	No
\$35,000 – <\$50,000	44%	56%	37%	63%
\$50,000 – <\$75,000	51%	49%	48%	52%
Over \$75,000	54%	46%	46%	54%
Respondents with Children in School (K–12)				
Yes	46%	54%	49%	51%
No	38%	62%	34%	66%
Household Member is a First Responder or Local EMA Employee				
Yes	62%	38%	57%	43%
No	38%	62%	36%	64%
Household Member is an Employee of the Arsenal or Contractor of the Arsenal				
Yes, work for Pine Bluff Arsenal	50%	50%	69%	31%
Yes, contractor of the Pine Bluff Arsenal	28%	72%	33%	67%
No	40%	60%	36%	64%
Received CSEPP Information				
Received information	45%	55%	44%	56%
Not received information	28%	72%	21%	79%
Read the Annual Arkansas Emergency Preparedness Calendar				
Yes	55%	45%	66%	34%
No, have not read it	39%	61%	36%	64%
No, have not received a calendar	35%	65%	27%	73%
Have Internet Access				
Yes	48%	52%	43%	57%
No	27%	73%	28%	72%

3. Do you or your family have an emergency plan to deal with the following?

	Natural disaster		Chemical emergency	
	Yes	No	Yes	No
Have a Tone Alert Radio				
Yes	58%	42%	72%	28%
No	33%	67%	40%	60%
Confident in Ability to Shelter In Place				
Total confident	51%	49%	47%	53%
Total not confident	26%	74%	25%	75%
Trust and Control Category				
Participants	48%	52%	46%	54%
Believers	28%	72%	23%	77%
Watchdogs	39%	61%	41%	59%
Cynics	28%	72%	24%	76%

4. Please answer “yes” or “no” to the following questions:⁶⁷

- A. Are you familiar with the names of the major roads and highways in your area?
- B. In the event of an emergency, do you have a family meeting place?
- C. Do you have an out-of-area telephone contact?
- D. Do you have a shelter-in-place kit with duct tape, plastic, and instructions?
- E. Do you have a disaster supply kit (emergency supplies such as: food, water, first aid kit, flashlight, battery-operated radio, etc.)?
- F. Is the gas tank of your car at least ½ full at all times?

Note: Affirmative responses to the above questions are provided in the table below.

The “Complete plan” column gives the percentage of respondents who had affirmative answers for all the Question 4 subquestions 4A through 4F.

Table 62: Responses to Question 4

	Familiar with names of roads and highways	Family meeting place	Out-of-area telephone contact	Shelter-in-place kit	Disaster supply kit	Gas tank at least half full at all times	Complete plan: summary of affirmative responses to 4A-4F
Total Sample	93%	40%	66%	17%	36%	72%	7%
County and IRZ/PAZ							
Arkansas County PAZ	93%	30%	63%	27%	33%	83%	3%
Cleveland County PAZ	97%	39%	61%	19%	32%	68%	3%
Dallas County PAZ	100%	45%	65%	19%	35%	77%	13%
Grant County IRZ	93%	40%	71%	16%	25%	64%	2%
Grant County PAZ	93%	41%	63%	26%	38%	70%	7%

⁶⁷ This series of questions was not asked in the November 2002 survey or the October 2003 IRZ survey.

4. Please answer “yes” or “no” to the following questions.

	Familiar with names of roads and highways	Family meeting place	Out-of-area telephone contact	Shelter-in-place kit	Disaster supply kit	Gas tank at least half full at all times	Complete plan: summary of affirmative responses to 4A-4F
Jefferson County IRZ	94%	40%	68%	18%	40%	71%	7%
Jefferson County PAZ	94%	43%	63%	16%	35%	73%	8%
Lincoln County PAZ	89%	43%	59%	8%	24%	78%	3%
Lonoke County PAZ	91%	49%	68%	23%	32%	74%	15%
Pulaski County PAZ	93%	39%	62%	16%	43%	75%	11%
Saline County PAZ	94%	34%	76%	16%	34%	73%	5%
Respondent Age							
18–29	92%	45%	75%	17%	37%	57%	8%
30–34	96%	56%	65%	20%	38%	69%	15%
35–44	100%	53%	74%	25%	39%	72%	9%
45–54	94%	45%	67%	21%	38%	73%	10%
55–59	97%	44%	61%	16%	36%	70%	6%
60–64	90%	35%	74%	12%	33%	75%	5%
65+	90%	29%	59%	14%	33%	76%	4%
Respondent Gender							
Male	97%	48%	62%	21%	46%	73%	9%
Female	92%	37%	67%	16%	31%	72%	6%

4. Please answer “yes” or “no” to the following questions.

	Familiar with names of roads and highways	Family meeting place	Out-of-area telephone contact	Shelter-in-place kit	Disaster supply kit	Gas tank at least half full at all times	Complete plan: summary of affirmative responses to 4A-4F
Respondent Ethnicity							
African American/Black	87%	41%	68%	16%	34%	63%	8%
Caucasian/White	95%	39%	57%	17%	36%	75%	6%
Respondent Time in the Vicinity							
5 years or less	86%	39%	72%	14%	33%	66%	5%
6–10 years	96%	42%	65%	20%	40%	72%	9%
11–15 years	98%	44%	68%	23%	42%	66%	13%
16–20 years	92%	39%	71%	18%	35%	75%	7%
More than 20 years	94%	39%	63%	17%	34%	75%	6%
Respondent Education Level							
Some high school or less	80%	23%	53%	10%	25%	62%	3%
High school graduate	92%	35%	61%	14%	32%	79%	5%
Vocational or technical school	94%	43%	68%	16%	39%	60%	1%
Some college	96%	46%	68%	21%	40%	73%	9%
College graduate	99%	52%	76%	24%	41%	75%	11%
Some graduate work	94%	47%	85%	21%	41%	85%	11%

4. Please answer “yes” or “no” to the following questions.

	Familiar with names of roads and highways	Family meeting place	Out-of-area telephone contact	Shelter-in-place kit	Disaster supply kit	Gas tank at least half full at all times	Complete plan: summary of affirmative responses to 4A-4F
Master's degree	97%	39%	76%	15%	35%	59%	3%
PhD degree	98%	47%	73%	27%	52%	62%	25%
Household Income of the Family							
Under \$15,000	85%	28%	52%	6%	25%	61%	1%
\$15,000 – <\$25,000	90%	36%	63%	16%	40%	72%	4%
\$25,000 – <\$35,000	95%	36%	66%	19%	30%	74%	7%
\$35,000 – <\$50,000	97%	40%	68%	21%	36%	78%	7%
\$50,000 – <\$75,000	98%	49%	77%	20%	47%	78%	12%
Over \$75,000	100%	51%	72%	20%	36%	69%	7%
Respondents with Children in School (K–12)							
Yes	96%	50%	67%	20%	35%	67%	7%
No	93%	37%	65%	17%	36%	74%	7%
Household Member is a First Responder or Local EMA Employee							
Yes	95%	65%	77%	33%	48%	72%	23%
No	93%	65%	65%	16%	35%	73%	6%
Household Member is an Employee of the Arsenal or Contractor of the Arsenal							
Yes, work for Pine Bluff Arsenal	98%	52%	78%	32%	59%	74%	13%

4. Please answer “yes” or “no” to the following questions.

	Familiar with names of roads and highways	Family meeting place	Out-of-area telephone contact	Shelter-in-place kit	Disaster supply kit	Gas tank at least half full at all times	Complete plan: summary of affirmative responses to 4A-4F
Yes, contractor of the Pine Bluff Arsenal	92%	47%	65%	22%	34%	79%	5%
No	93%	39%	65%	16%	35%	72%	7%
Received CSEPP Information							
Received information	95%	46%	69%	21%	39%	76%	8%
Not received information	89%	27%	59%	10%	28%	66%	4%
Read the Annual Arkansas Emergency Preparedness Calendar							
Yes	97%	49%	70%	27%	45%	76%	13%
No, have not read it	95%	41%	68%	18%	42%	78%	7%
No, have not received a calendar	92%	37%	64%	14%	32%	71%	5%
Have Internet Access							
Yes	96%	47%	71%	22%	41%	72%	10%
No	89%	28%	56%	9%	27%	74%	2%
Have a Tone Alert Radio							
Yes	95%	52%	69%	22%	45%	74%	9%
No	85%	35%	67%	13%	32%	67%	3%

4. Please answer “yes” or “no” to the following questions.

	Familiar with names of roads and highways	Family meeting place	Out-of-area telephone contact	Shelter-in-place kit	Disaster supply kit	Gas tank at least half full at all times	Complete plan: summary of affirmative responses to 4A-4F
Confident in Ability to Shelter In Place							
Total confident	95%	48%	68%	24%	45%	75%	11%
Total not confident	91%	30%	62%	8%	23%	70%	2%
Trust and Control Category							
Participants	96%	46%	71%	22%	42%	75%	10%
Believers	91%	32%	56%	8%	25%	72%	2%
Watchdogs	93%	45%	63%	21%	44%	72%	11%
Cynics	84%	25%	60%	8%	22%	62%	1%

5. How would you know if there were a chemical emergency at the Pine Bluff Arsenal?⁶⁸

Note: The following table includes a summary of the individual responses to the survey. A description of the individual responses included in each summary category is provided below.

- The column “Total responses for official alert channels” includes responses for EAS, AM/FM radio, TV, news/media, TAR, loudspeaker/bullhorn, siren, route alerting, alarm/alert system, and weather radio.⁶⁹

Table 63: Responses to Question 5

	Total responses for official alert channels	Total responses for EAS channels	Television	Siren	AM/FM radio	TAR	Don't know	Loudspeaker/ bullhorn	Family/ friend
Total Sample	85%	55%	49%	29%	29%	14%	10%	6%	5%
County and IRZ/PAZ									
Arkansas County PAZ	70%	40%	37%	40%	20%	10%	20%	---	7%
Cleveland County PAZ	77%	55%	48%	16%	23%	6%	13%	6%	16%
Dallas County PAZ	81%	71%	65%	6%	29%	3%	13%	6%	10%
Grant County IRZ	85%	42%	40%	42%	9%	16%	9%	7%	7%
Grant County PAZ	86%	51%	49%	42%	23%	12%	8%	9%	7%
Jefferson County IRZ	91%	31%	24%	45%	17%	40%	5%	12%	4%
Jefferson County PAZ	86%	45%	38%	40%	24%	15%	11%	7%	4%
Lincoln County PAZ	84%	68%	65%	16%	19%	16%	11%	3%	19%

⁶⁸ Multiple responses were accepted for this question

⁶⁹ Bill Bischof provided the individual responses that are included in the category during a telephone call with IEM on December 1, 2005.

5. How would you know if there were a chemical emergency at the Pine Bluff Arsenal?

	Total responses for official alert channels	Total responses for EAS channels	Television	Siren	AM/FM radio	TAR	Don't know	Loudspeaker/ bullhorn	Family/ friend
Lonoke County PAZ	77%	62%	58%	17%	26%	9%	15%	2%	9%
Pulaski County PAZ	80%	65%	59%	19%	31%	8%	16%	---	3%
Saline County PAZ	86%	75%	67%	14%	45%	7%	9%	4%	5%
Respondent Age									
18–29	87%	52%	46%	34%	30%	13%	11%	5%	7%
30–34	87%	51%	45%	20%	21%	22%	6%	10%	5%
35–44	85%	61%	58%	25%	37%	13%	7%	7%	7%
45–54	86%	55%	46%	33%	32%	15%	6%	7%	5%
55–59	93%	51%	44%	33%	28%	17%	8%	8%	4%
60–64	87%	62%	56%	31%	29%	16%	10%	6%	5%
65+	82%	54%	47%	28%	27%	13%	14%	4%	6%
Responder Gender									
Male	87%	57%	38%	29%	36%	14%	8%	7%	4%
Female	85%	54%	53%	29%	26%	15%	11%	5%	6%
Respondent Ethnicity									
African American/Black	82%	46%	27%	37%	24%	10%	13%	8%	3%
Caucasian/White	86%	59%	41%	27%	32%	14%	9%	5%	6%

5. How would you know if there were a chemical emergency at the Pine Bluff Arsenal?

	Total responses for official alert channels	Total responses for EAS channels	Television	Siren	AM/FM radio	TAR	Don't know	Loudspeaker/ bullhorn	Family/ friend
Respondent Time in the Vicinity									
5 years or less	86%	58%	52%	27%	32%	14%	12%	6%	7%
6–10 years	83%	48%	42%	30%	23%	16%	11%	6%	3%
11–15 years	90%	62%	52%	26%	39%	15%	6%	4%	5%
16–20 years	85%	62%	54%	36%	32%	9%	12%	4%	6%
More than 20 years	85%	54%	48%	30%	28%	15%	10%	6%	6%
Respondent Education Level									
Some high school or less	72%	48%	45%	25%	20%	7%	23%	7%	9%
High school graduate	88%	63%	56%	25%	30%	13%	9%	3%	5%
Vocational /technical school	87%	42%	40%	43%	30%	25%	7%	14%	0%
Some college	86%	51%	43%	28%	31%	16%	10%	7%	4%
College graduate	86%	53%	47%	37%	30%	15%	7%	5%	9%
Some graduate work	88%	52%	46%	37%	39%	10%	9%	14%	---
Master's degree	92%	60%	52%	41%	37%	21%	4%	5%	2%
PhD degree	84%	47%	32%	33%	16%	26%	7%	7%	7%
Household Income of the Family									
Under \$15,000	82%	51%	48%	31%	11%	11%	13%	4%	8%

5. How would you know if there were a chemical emergency at the Pine Bluff Arsenal?

	Total responses for official alert channels	Total responses for EAS channels	Television	Siren	AM/FM radio	TAR	Don't know	Loudspeaker/ bullhorn	Family/ friend
\$15,000 – <\$25,000	84%	56%	43%	28%	31%	12%	10%	8%	4%
\$25,000 – <\$35,000	88%	60%	52%	29%	38%	13%	8%	2%	8%
\$35,000 – <\$50,000	85%	50%	46%	31%	28%	24%	10%	6%	4%
\$50,000 – <\$75,000	88%	57%	48%	25%	33%	18%	8%	4%	4%
Over \$75,000	85%	58%	49%	28%	42%	13%	8%	5%	7%
Respondents with Children in School (K-12)									
Yes	87%	50%	45%	31%	27%	18%	7%	7%	5%
No	85%	57%	50%	29%	30%	14%	11%	6%	6%
Household Member is a First Responder or Local EMA Employee									
Yes	78%	44%	38%	19%	23%	20%	12%	5%	11%
No	86%	56%	50%	30%	30%	14%	10%	6%	5%
Household Member is an Employee of the Arsenal or Contractor of the Arsenal									
Yes, work for Pine Bluff Arsenal	92%	54%	49%	51%	37%	16%	3%	3%	18%
Yes, contractor of the Pine Bluff Arsenal	87%	57%	52%	18%	23%	21%	4%	10%	11%
No	85%	55%	49%	29%	29%	14%	11%	6%	5%

5. How would you know if there were a chemical emergency at the Pine Bluff Arsenal?

	Total responses for official alert channels	Total responses for EAS channels	Television	Siren	AM/FM radio	TAR	Don't know	Loudspeaker/ bullhorn	Family/ friend
Received CSEPP Information									
Received information	88%	54%	47%	32%	30%	17%	7%	6%	6%
Not received information	80%	58%	53%	22%	27%	8%	18%	5%	4%
Read the Annual Arkansas Emergency Preparedness Calendar									
Yes	93%	39%	33%	46%	24%	31%	3%	10%	4%
No, have not read it	86%	51%	44%	34%	25%	16%	7%	3%	7%
No, have not received a calendar	83%	61%	55%	23%	31%	9%	13%	5%	6%
Have Internet Access									
Yes	88%	57%	51%	28%	33%	16%	7%	5%	5%
No	81%	52%	46%	31%	23%	12%	16%	7%	6%
Have a Tone Alert Radio									
Yes	94%	20%	14%	34%	11%	67%	1%	8%	3%
No	86%	43%	35%	56%	22%	8%	9%	15%	6%
Confident in Ability to Shelter In Place									
Total confident	88%	54%	47%	31%	30%	19%	7%	6%	5%
Total not confident	82%	57%	50%	27%	28%	9%	14%	5%	6%

5. How would you know if there were a chemical emergency at the Pine Bluff Arsenal?

	Total responses for official alert channels	Total responses for EAS channels	Television	Siren	AM/FM radio	TAR	Don't know	Loudspeaker/ bullhorn	Family/ friend
Trust and Control Category									
Participants	90%	57%	50%	32%	34%	17%	6%	6%	5%
Believers	82%	56%	50%	25%	24%	13%	13%	4%	6%
Watchdogs	84%	58%	55%	22%	30%	9%	12%	12%	6%
Cynics	72%	43%	37%	32%	17%	10%	23%	4%	7%

6. What actions would you take if you found out there was a chemical emergency at the Pine Bluff Arsenal?⁷⁰

Table 64: Responses to Question 6

	Evacuate	Don't know	Await or listen for instruction	Find/Gather family	Check wind direction	Contact family/friends	Turn on/watch TV	Shelter in place	Listen to TAR
Total Sample	52%	15%	14%	12%	7%	6%	5%	4%	2%
County and IRZ/PAZ									
Arkansas County PAZ	43%	17%	10%	20%	7%	10%	3%	---	3%
Cleveland County PAZ	39%	26%	6%	16%	3%	---	3%	---	---
Dallas County PAZ	55%	10%	13%	3%	3%	---	3%	10%	---
Grant County IRZ	62%	15%	11%	11%	7%	5%	2%	---	---
Grant County PAZ	67%	12%	13%	12%	3%	7%	2%	3%	1%
Jefferson County IRZ	64%	9%	14%	11%	7%	4%	1%	5%	5%
Jefferson County PAZ	58%	12%	13%	14%	7%	6%	2%	2%	2%
Lincoln County PAZ	54%	8%	11%	8%	14%	5%	3%	3%	8%
Lonoke County PAZ	55%	17%	17%	8%	4%	6%	6%	4%	---
Pulaski County PAZ	52%	16%	15%	11%	6%	3%	5%	---	2%
Saline County PAZ	35%	21%	18%	12%	10%	7%	9%	8%	1%

⁷⁰ In November 2002, respondents were only able to give one response to this question. In October 2003, “action” was changed to “actions” and multiple responses were accepted.

6. What actions would you take if you found out there was a chemical emergency at the Pine Bluff Arsenal?

	Evacuate	Don't know	Await or listen for instruction	Find/Gather family	Check wind direction	Contact family/friends	Turn on/watch TV	Shelter in place	Listen to TAR
Respondent Age									
18–29	70%	15%	11%	9%	13%	2%	4%	2%	3%
30–34	59%	9%	21%	17%	9%	3%	6%	---	1%
35–44	54%	6%	14%	31%	11%	5%	5%	6%	2%
45–54	55%	15%	14%	16%	11%	8%	6%	3%	1%
55–59	50%	14%	13%	13%	3%	4%	3%	3%	5%
60–64	56%	16%	9%	9%	3%	3%	5%	1%	3%
65+	43%	20%	17%	5%	5%	7%	4%	6%	2%
Respondent Gender									
Male	56%	9%	14%	12%	5%	11%	4%	4%	1%
Female	50%	18%	15%	12%	8%	3%	6%	4%	3%
Respondent Ethnicity									
African American/Black	53%	24%	9%	10%	7%	4%	4%	2%	2%
Caucasian/White	52%	13%	16%	13%	7%	6%	5%	4%	2%
Respondent Time in the Vicinity									
5 years or less	50%	18%	19%	10%	8%	5%	6%	3%	2%
6–10 years	60%	12%	15%	15%	7%	7%	3%	4%	2%
11–15 years	46%	17%	8%	17%	4%	11%	7%	5%	2%

6. What actions would you take if you found out there was a chemical emergency at the Pine Bluff Arsenal?

	Evacuate	Don't know	Await or listen for instruction	Find/Gather family	Check wind direction	Contact family/friends	Turn on/watch TV	Shelter in place	Listen to TAR
16–20 years	56%	16%	13%	11%	10%	6%	3%	3%	4%
More than 20 years	51%	15%	14%	12%	7%	5%	4%	4%	2%
Respondent Education Level									
Some high school or less	38%	35%	8%	12%	8%	4%	4%	4%	2%
High school graduate	48%	19%	14%	9%	6%	3%	7%	4%	2%
Vocational or technical school	60%	5%	23%	9%	5%	18%	2%	7%	2%
Some college	56%	10%	17%	15%	9%	6%	2%	6%	3%
College graduate	55%	8%	15%	12%	5%	8%	7%	2%	1%
Some graduate work	49%	6%	17%	29%	20%	8%	---	7%	5%
Master's degree	63%	4%	14%	13%	10%	7%	3%	3%	2%
PhD degree	38%	5%	9%	14%	4%	7%	---	---	8%
Household Income of the Family									
Under \$15,000	39%	24%	13%	10%	5%	3%	5%	2%	4%
\$15,000 – <\$25,000	51%	17%	11%	9%	4%	4%	5%	11%	3%
\$25,000 – <\$35,000	59%	16%	14%	12%	8%	6%	4%	4%	1%
\$35,000 – <\$50,000	51%	14%	17%	16%	8%	8%	4%	4%	3%
\$50,000 – <\$75,000	65%	4%	13%	19%	7%	9%	5%	3%	2%

6. What actions would you take if you found out there was a chemical emergency at the Pine Bluff Arsenal?

	Evacuate	Don't know	Await or listen for instruction	Find/Gather family	Check wind direction	Contact family/friends	Turn on/watch TV	Shelter in place	Listen to TAR
Over \$75,000	55%	7%	17%	11%	9%	6%	5%	1%	2%
Respondents with Children in School (K-12)									
Yes	64%	11%	15%	20%	10%	8%	4%	2%	1%
No	48%	16%	14%	10%	6%	5%	5%	5%	2%
Household Member is a First Responder or Local EMA Employee									
Yes	46%	9%	19%	23%	10%	8%	6%	3%	3%
No	52%	16%	14%	11%	10%	5%	4%	4%	2%
Household Member is an Employee of the Arsenal or Contractor of the Arsenal									
Yes, work for Pine Bluff Arsenal	53%	9%	14%	15%	5%	4%	---	3%	3%
Yes, contractor of the Pine Bluff Arsenal	66%	8%	11%	10%	9%	12%	2%	1%	7%
No	51%	16%	15%	12%	7%	5%	5%	4%	2%
Received CSEPP Information									
Received information	58%	10%	15%	14%	9%	6%	5%	4%	3%
Not received information	38%	28%	13%	8%	4%	5%	4%	4%	1%
Read the Annual Arkansas Emergency Preparedness Calendar									
Yes	59%	8%	13%	15%	8%	6%	3%	4%	4%
No, have not read it	66%	12%	15%	15%	7%	4%	2%	1%	4%

6. What actions would you take if you found out there was a chemical emergency at the Pine Bluff Arsenal?

	Evacuate	Don't know	Await or listen for instruction	Find/Gather family	Check wind direction	Contact family/friends	Turn on/watch TV	Shelter in place	Listen to TAR
No, have not received a calendar	47%	18%	15%	11%	7%	6%	5%	4%	1%
Have Internet Access									
Yes	56%	11%	16%	15%	9%	6%	5%	3%	1%
No	43%	23%	12%	7%	5%	4%	5%	6%	4%
Have a Tone Alert Radio									
Yes	67%	5%	14%	10%	9%	5%	1%	5%	10%
No	61%	15%	13%	12%	5%	4%	2%	4%	---
Confident in Ability to Shelter In Place									
Total confident	53%	11%	16%	15%	7%	6%	4%	5%	3%
Total not confident	49%	20%	12%	9%	7%	5%	5%	3%	1%
Trust and Control Category									
Participants	54%	11%	16%	14%	7%	7%	4%	5%	3%
Believers	44%	22%	15%	8%	7%	3%	5%	3%	1%
Watchdogs	53%	13%	11%	16%	10%	8%	5%	3%	4%
Cynics	53%	23%	9%	7%	4%	3%	5%	4%	1%

6. What actions would you take if you found out there was a chemical emergency at the Pine Bluff Arsenal?

Additional summary variables considered in the analysis

Table 65: Additional Responses to Question 6

	Total responses for evacuate or follow evacuation routes, directions and/or signs	Total responses for await or listen to instructions on EAS, AM/FM radio, TV, or TAR	Total responses for contact, find, or gather family/friends
Total Sample	53%	20%	17%
County and IRZ/PAZ			
Arkansas County PAZ	43%	13%	30%
Cleveland County PAZ	42%	16%	16%
Dallas County PAZ	58%	19%	3%
Grant County IRZ	67%	11%	16%
Grant County PAZ	68%	14%	18%
Jefferson County IRZ	64%	18%	15%
Jefferson County PAZ	59%	16%	20%
Lincoln County PAZ	54%	16%	11%
Lonoke County PAZ	55%	19%	13%
Pulaski County PAZ	53%	22%	14%
Saline County PAZ	35%	27%	18%
Respondent Age			
18–29	70%	20%	11%
30–34	60%	28%	20%
35–44	56%	20%	33%
45–54	57%	19%	24%
55–59	52%	17%	17%
60–64	57%	17%	12%

6. What actions would you take if you found out there was a chemical emergency at the Pine Bluff Arsenal?

	Total responses for evacuate or follow evacuation routes, directions and/or signs	Total responses for await or listen to instructions on EAS, AM/FM radio, TV, or TAR	Total responses for contact, find, or gather family/friends
65+	43%	21%	11%
Respondent Gender			
Male	56%	20%	23%
Female	51%	20%	15%
Respondent Ethnicity			
African American/Black	53%	14%	14%
Caucasian/White	55%	22%	19%
Respondent Time in the Vicinity			
5 years or less	51%	28%	14%
6–10 years	61%	17%	20%
11–15 years	49%	18%	27%
16–20 years	58%	17%	17%
More than 20 years	52%	19%	16%
Respondent Education Level			
Some high school or less	38%	13%	15%
High school graduate	50%	19%	13%
Vocational or technical school	60%	23%	27%
Some college	57%	21%	20%
College graduate	57%	23%	19%
Some graduate work	49%	22%	35%
Master’s degree	64%	20%	20%
PhD degree	71%	16%	21%

6. What actions would you take if you found out there was a chemical emergency at the Pine Bluff Arsenal?

	Total responses for evacuate or follow evacuation routes, directions and/or signs	Total responses for await or listen to instructions on EAS, AM/FM radio, TV, or TAR	Total responses for contact, find, or gather family/friends
Household Income of the Family			
Under \$15,000	40%	20%	12%
\$15,000 – <\$25,000	54%	16%	12%
\$25,000 – <\$35,000	61%	19%	18%
\$35,000 – <\$50,000	53%	23%	24%
\$50,000 – <\$75,000	66%	20%	26%
Over \$75,000	55%	21%	17%
Respondents with Children in School (K–12)			
Yes	64%	18%	27%
No	49%	20%	15%
Household Member is a First Responder or Local EMA Employee			
Yes	46%	28%	29%
No	53%	19%	17%
Household Member is an Employee of the Arsenal or Contractor of the Arsenal			
Yes, work for Pine Bluff Arsenal	56%	18%	20%
Yes, contractor of the Pine Bluff Arsenal	66%	17%	22%
No	52%	20%	17%
Received CSEPP Information			
Received information	59%	21%	20%
Not received information	38%	16%	12%

6. What actions would you take if you found out there was a chemical emergency at the Pine Bluff Arsenal?

	Total responses for evacuate or follow evacuation routes, directions and/or signs	Total responses for await or listen to instructions on EAS, AM/FM radio, TV, or TAR	Total responses for contact, find, or gather family/friends
Read the Annual Arkansas Emergency Preparedness Calendar			
Yes	62%	18%	20%
No, have not read it	66%	18%	20%
No, have not received a calendar	48%	21%	16%
Have Internet Access			
Yes	57%	21%	21%
No	44%	18%	11%
Have a Tone Alert Radio			
Yes	68%	20%	14%
No	62%	15%	16%
Confident in Ability to Shelter In Place			
Total confident	55%	22%	20%
Total not confident	50%	17%	14%
Trust and Control Category			
Participants	55%	22%	20%
Believers	45%	20%	11%
Watchdogs	55%	16%	23%
Cynics	53%	14%	10%

7. If a chemical accident occurred at the Pine Bluff Arsenal, where would you get additional instructions on how to protect yourself and your family when you hear the warning signals?^{7,8}

Table 66: Responses to Question 7

	AM/FM radio	Television	Don't know	TAR	Family and/or friends	Internet	Police, local or state	Local EMA	Loudspeaker/ Bullhorn	Siren
Total Sample	33%	32%	22%	10%	6%	6%	6%	4%	3%	2%
County and IRZ/PAZ										
Arkansas County PAZ	40%	33%	30%	10%	3%	---	---	3%	3%	3%
Cleveland County PAZ	19%	19%	23%	3%	16%	6%	10%	6%	3%	---
Dallas County PAZ	19%	19%	45%	---	---	3%	13%	10%	---	3%
Grant County IRZ	31%	35%	15%	15%	11%	4%	5%	2%	---	---
Grant County PAZ	33%	31%	27%	8%	7%	6%	4%	3%	3%	3%
Jefferson County IRZ	35%	26%	21%	25%	6%	4%	3%	5%	4%	6%
Jefferson County PAZ	36%	27%	24%	11%	5%	5%	4%	2%	3%	3%
Lincoln County PAZ	30%	27%	27%	11%	5%	11%	---	5%	---	---
Lonoke County PAZ	19%	32%	21%	4%	6%	9%	11%	2%	4%	---
Pulaski County PAZ	34%	32%	19%	9%	5%	5%	7%	5%	1%	---
Saline County PAZ	34%	43%	17%	4%	5%	8%	8%	5%	2%	1%

⁷¹ In November 2002, this question read: “If a chemical accident occurred at the Pine Bluff Arsenal, where do you think you would get instructions on how to protect yourself and your family when you hear the warning signals?”

⁸ Multiple responses were accepted for this question.

7. If a chemical accident occurred at the Pine Bluff Arsenal, where would you get additional instructions on how to protect yourself and your family when you hear the warning signals?

	AM/FM radio	Television	Don't know	TAR	Family and/or friends	Internet	Police, local or state	Local EMA	Loudspeaker/ Bullhorn	Siren
Respondent Age										
18–29	16%	13%	33%	5%	8%	15%	4%	4%	2%	4%
30–34	30%	29%	19%	8%	2%	24%	7%	5%	---	---
35–44	49%	37%	12%	6%	8%	8%	2%	5%	3%	2%
45–54	40%	38%	16%	11%	7%	6%	4%	6%	3%	3%
55–59	40%	37%	14%	15%	3%	3%	5%	3%	3%	2%
60–64	42%	40%	23%	15%	4%	4%	3%	5%	2%	1%
65+	24%	28%	28%	8%	6%	2%	10%	2%	2%	3%
Respondent Gender										
Male	41%	31%	17%	9%	3%	6%	5%	4%	3%	3%
Female	30%	33%	23%	10%	7%	6%	6%	4%	2%	2%
Respondent Ethnicity										
African American/Black	30%	34%	27%	10%	6%	5%	6%	5%	3%	3%
Caucasian/White	35%	26%	19%	9%	6%	6%	5%	3%	2%	2%
Respondent Time in the Vicinity										
5 years or less	34%	30%	25%	8%	3%	12%	6%	4%	2%	0%
6–10 years	26%	28%	20%	10%	9%	6%	8%	4%	0%	4%
11–15 years	47%	35%	15%	11%	9%	9%	4%	1%	2%	3%

7. If a chemical accident occurred at the Pine Bluff Arsenal, where would you get additional instructions on how to protect yourself and your family when you hear the warning signals?

	AM/FM radio	Television	Don't know	TAR	Family and/or friends	Internet	Police, local or state	Local EMA	Loudspeaker/ Bullhorn	Siren
16–20 years	37%	44%	26%	7%	1%	4%	3%	1%	3%	3%
More than 20 years	32%	32%	22%	10%	6%	4%	6%	5%	3%	2%
Respondent Education Level										
Some high school or less	15%	24%	42%	7%	7%	2%	10%	2%	3%	2%
High school graduate	27%	31%	25%	8%	6%	4%	5%	4%	1%	2%
Vocational or technical school	69%	48%	11%	8%	4%	7%	5%	---	5%	---
Some college	35%	34%	19%	9%	5%	6%	5%	5%	2%	3%
College graduate	40%	34%	13%	12%	6%	11%	4%	4%	6%	2%
Some graduate work	51%	39%	2%	8%	9%	9%	13%	5%	5%	3%
Master's degree	54%	31%	16%	24%	6%	8%	4%	1%	---	4%
PhD degree	36%	24%	9%	16%	7%	12%	18%	2%	---	---
Household Income of the Family										
Under \$15,000	18%	23%	32%	7%	7%	4%	10%	3%	2%	3%
\$15,000 – <\$25,000	34%	32%	17%	10%	9%	3%	9%	5%	2%	1%
\$25,000 – <\$35,000	29%	31%	29%	9%	6%	5%	3%	4%	3%	1%
\$35,000 – <\$50,000	31%	36%	21%	12%	4%	10%	4%	8%	2%	1%

7. If a chemical accident occurred at the Pine Bluff Arsenal, where would you get additional instructions on how to protect yourself and your family when you hear the warning signals?

	AM/FM radio	Television	Don't know	TAR	Family and/or friends	Internet	Police, local or state	Local EMA	Loudspeaker/ Bullhorn	Siren
\$50,000 – <\$75,000	43%	37%	12%	13%	6%	9%	4%	3%	4%	3%
Over \$75,000	47%	39%	9%	9%	3%	7%	1%	4%	2%	1%
Respondents with Children in School (K-12)										
Yes	38%	31%	17%	11%	7%	9%	4%	6%	3%	2%
No	32%	32%	23%	9%	6%	5%	6%	3%	2%	2%
Household Member is a First Responder or Local EMA Employee										
Yes	33%	23%	16%	13%	15%	2%	4%	5%	2%	2%
No	33%	33%	22%	9%	5%	6%	6%	4%	3%	2%
Household Member is an Employee of the Arsenal or Contractor of the Arsenal										
Yes, work for Pine Bluff Arsenal	43%	29%	6%	14%	17%	9%	1%	9%	5%	4%
Yes, contractor of the Pine Bluff Arsenal	28%	40%	20%	7%	13%	8%	5%	---	3%	6%
No	33%	32%	22%	10%	5%	6%	6%	4%	2%	2%
Received CSEPP Information										
Received information	37%	33%	17%	11%	6%	6%	6%	4%	3%	2%
Not received information	25%	31%	33%	6%	5%	5%	6%	4%	2%	2%
Read the Annual Arkansas Emergency Preparedness Calendar										
Yes	38%	30%	12%	23%	7%	3%	4%	4%	4%	5%

7. If a chemical accident occurred at the Pine Bluff Arsenal, where would you get additional instructions on how to protect yourself and your family when you hear the warning signals?

	AM/FM radio	Television	Don't know	TAR	Family and/or friends	Internet	Police, local or state	Local EMA	Loudspeaker/ Bullhorn	Siren
No, have not read it	29%	35%	18%	9%	10%	11%	7%	3%	6%	3%
No, have not received a calendar	32%	33%	25%	5%	5%	6%	6%	4%	1%	1%
Have Internet Access										
Yes	39%	35%	15%	10%	5%	9%	5%	3%	3%	3%
No	24%	28%	32%	10%	7%	1%	8%	4%	2%	2%
Have a Tone Alert Radio										
Yes	31%	23%	14%	43%	7%	3%	3%	4%	4%	6%
No	39%	31%	27%	4%	6%	4%	4%	5%	4%	6%
Confident in Ability to Shelter In Place										
Total confident	38%	33%	15%	12%	6%	6%	5%	4%	3%	3%
Total not confident	28%	31%	29%	7%	6%	5%	6%	3%	1%	2%
Trust and Control Category										
Participants	38%	36%	15%	13%	6%	7%	6%	4%	3%	3%
Believers	30%	29%	27%	7%	5%	6%	7%	2%	1%	2%
Watchdogs	27%	26%	31%	4%	5%	5%	3%	6%	4%	1%
Cynics	25%	27%	34%	5%	10%	4%	5%	2%	2%	1%

Additional summary variables considered in the analysis

Note: The following table includes summaries of the individual responses to the survey. A description of the individual responses included in each summary category is provided below.

- The column “Total responses for official notification channels” includes responses for EAS, AM/FM radio, TV, news, calendar, loudspeaker/bullhorn, preparedness package or kit, pamphlet, route alerting, siren, and TAR.⁷²
- The column “Total responses for EAS channels” includes responses for EAS, AM/FM radio, TV, and news.
- The column “Total responses for local officials and first responders” includes responses for county sheriff, fire department, local EMA, Pine Bluff Arsenal, police—local or state, route alerting, national guard, Army, Air Force, city/town/local officials, and federal officials.

Table 67: Additional Responses to Question 7

	Total responses for official notification channels	Total responses for EAS channels	Total responses for local officials and first responders
Total Sample	68%	49%	15%
County and IRZ/PAZ			
Arkansas County PAZ	63%	50%	10%
Cleveland County PAZ	61%	35%	32%
Dallas County PAZ	52%	32%	19%
Grant County IRZ	75%	53%	13%
Grant County PAZ	60%	47%	14%
Jefferson County IRZ	68%	47%	10%
Jefferson County PAZ	64%	47%	8%
Lincoln County PAZ	65%	49%	14%
Lonoke County PAZ	64%	42%	17%
Pulaski County PAZ	73%	51%	20%

⁷² Bill Bischof provided the individual responses that are included in the category during a telephone call with IEM on December 1, 2005.

7. If a chemical accident occurred at the Pine Bluff Arsenal, where would you get additional instructions on how to protect yourself and your family when you hear the warning signals?

	Total responses for official notification channels	Total responses for EAS channels	Total responses for local officials and first responders
Saline County PAZ	74%	57%	21%
Respondent Age			
18–29	43%	23%	13%
30–34	60%	44%	16%
35–44	80%	62%	19%
45–54	72%	56%	12%
55–59	81%	60%	15%
60–64	73%	61%	12%
65+	61%	41%	16%
Respondent Gender			
Male	68%	53%	13%
Female	68%	48%	15%
Respondent Ethnicity			
African American/Black	70%	43%	16%
Caucasian/White	64%	52%	15%
Respondent Time in the Vicinity			
5 years or less	64%	48%	12%
6–10 years	66%	41%	16%
11–15 years	74%	58%	11%
16–20 years	67%	59%	8%
More than 20 years	68%	49%	17%
Respondent Education Level			
Some high school or less	51%	30%	17%
High school graduate	64%	46%	15%

7. If a chemical accident occurred at the Pine Bluff Arsenal, where would you get additional instructions on how to protect yourself and your family when you hear the warning signals?

	Total responses for official notification channels	Total responses for EAS channels	Total responses for local officials and first responders
Vocational or technical school	81%	74%	8%
Some college	71%	52%	15%
College graduate	73%	55%	13%
Some graduate work	90%	66%	22%
Master's degree	79%	60%	9%
PhD degree	76%	61%	20%
Household Income of the Family			
Under \$15,000	60%	35%	19%
\$15,000 – <\$25,000	68%	47%	20%
\$25,000 – <\$35,000	63%	47%	13%
\$35,000 – <\$50,000	67%	47%	17%
\$50,000 – <\$75,000	73%	56%	11%
Over \$75,000	80%	65%	10%
Respondents with Children in School (K–12)			
Yes	70%	50%	15%
No	67%	49%	15%
Household Member is a First Responder or Local EMA Employee			
Yes	69%	37%	25%
No	68%	50%	14%
Household Member is an Employee of the Arsenal or Contractor of the Arsenal			
Yes, work for Pine Bluff Arsenal	61%	51%	14%
Yes, contractor of the Pine Bluff Arsenal	68%	53%	7%

7. If a chemical accident occurred at the Pine Bluff Arsenal, where would you get additional instructions on how to protect yourself and your family when you hear the warning signals?

	Total responses for official notification channels	Total responses for EAS channels	Total responses for local officials and first responders
No	68%	49%	15%
Received CSEPP Information			
Received information	73%	53%	15%
Not received information	57%	42%	14%
Read the Annual Arkansas Emergency Preparedness Calendar			
Yes	78%	54%	14%
No, have not read it	67%	50%	15%
No, have not received a calendar	64%	48%	15%
Have Internet Access			
Yes	72%	55%	13%
No	61%	40%	18%
Have a Tone Alert Radio			
Yes	75%	42%	8%
No	62%	54%	12%
Confident in Ability to Shelter In Place			
Total confident	73%	54%	15%
Total not confident	61%	43%	14%
Trust and Control Category			
Participants	75%	56%	16%
Believers	63%	42%	14%
Watchdogs	61%	45%	15%
Cynics	50%	37%	11%

8. If you were instructed to evacuate, what actions would you take?⁷⁴

Note: The following table includes several summaries of the individual responses to the survey. A description of the individual responses included in each summary category is provided below.

- The column “Total responses for follow directions/instructions” includes responses for follow instructions, do what told, follow the evacuation route.
- The column “Total responses for await or listen for instructions” includes responses for await instructions; listen for help; listen to TV, radio, or TAR for correct evacuation route; listen TV, radio, or TAR for location of reception/assistance center, listen to TV, radio, or TAR (general), and turn on TV, radio, or TAR (general).
- The column “Total responses for contact/gather family” includes responses for contact family members, get kids from school, go to school for kids, wait for family members before leaving, and gather family.

Table 68: Responses to Question 8

	Leave home or workplace/Get out of town/Get in the car	Total responses for follow directions/instructions	Follow instructions or Do what told	Get personal items (pack clothes, food, water, gas)	Total responses for contact/gather family	Follow the evacuation route	Contact family members	Total responses for await or listen for instructions	Await instructions or Listen for help	Wait for family members before leaving (Gather family)	Don't know	Locate/Collect Pets	Check wind direction	Get kids from school / Go to school for kids	Get/Check Preparedness kit/package
Total Sample	53%	37%	22%	20%	19%	19%	10%	10%	8%	8%	5%	4%	3%	3%	2%
County and IRZ/PAZ															
Arkansas County PAZ	33%	47%	30%	3%	13%	17%	13%	17%	13%	3%	7%	3%	3%	---	7%
Cleveland County PAZ	42%	29%	16%	6%	26%	16%	10%	13%	10%	10%	13%	3%	3%	6%	---
Dallas County PAZ	48%	32%	19%	16%	13%	16%	6%	3%	---	3%	13%	---	---	6%	---
Grant County IRZ	45%	40%	22%	15%	27%	20%	20%	15%	9%	7%	2%	5%	---	5%	2%

⁷⁴ Multiple responses were accepted for this question.

8. If you were instructed to evacuate, what actions would you take?

	Leave home or workplace/Get out of town/Get in the car	Total responses for follow directions/instructions	Follow instructions or Do what told	Get personal items (pack clothes, food, water, gas)	Total responses for contact/gather family	Follow the evacuation route	Contact family members	Total responses for wait or listen for instructions	Await instructions or Listen for help	Wait for family members before leaving (Gather family)	Don't know	Locate/Collect Pets	Check wind direction	Get kids from school / Go to school for kids	Get/Check Preparedness kit/package
Grant County PAZ	59%	34%	22%	23%	11%	19%	9%	11%	11%	6%	---	7%	2%	4%	1%
Jefferson County IRZ	55%	34%	18%	18%	21%	22%	14%	10%	9%	7%	4%	5%	5%	5%	4%
Jefferson County PAZ	54%	40%	20%	21%	24%	26%	12%	9%	8%	10%	5%	5%	4%	4%	2%
Lincoln County PAZ	54%	32%	16%	14%	11%	19%	8%	3%	3%	5%	14%	3%	---	3%	---
Lonoke County PAZ	43%	43%	34%	19%	21%	25%	13%	17%	15%	8%	6%	6%	2%	4%	4%
Pulaski County PAZ	54%	40%	28%	21%	11%	13%	7%	14%	11%	4%	5%	3%	1%	2%	5%
Saline County PAZ	52%	33%	22%	22%	17%	12%	8%	8%	5%	9%	7%	4%	1%	2%	2%
Respondent Age															
18–29	56%	30%	23%	30%	34%	9%	12%	2%	2%	11%	3%	9%	2%	13%	3%
30–34	64%	31%	16%	25%	35%	16%	19%	7%	5%	12%	4%	2%	---	14%	2%
35–44	57%	40%	22%	23%	29%	27%	10%	9%	6%	22%	5%	3%	2%	6%	2%
45–54	50%	39%	24%	19%	18%	21%	11%	8%	8%	8%	7%	7%	4%	4%	2%
55–59	48%	38%	17%	24%	20%	25%	12%	9%	6%	6%	5%	5%	3%	2%	2%
60–64	50%	48%	28%	15%	13%	26%	9%	10%	5%	6%	4%	3%	5%	0%	5%
65+	54%	31%	20%	18%	12%	15%	9%	12%	11%	4%	6%	3%	2%	0%	2%

8. If you were instructed to evacuate, what actions would you take?

	Leave home or workplace/Get out of town/Get in the car	Total responses for follow directions/instructions	Follow instructions or Do what told	Get personal items (pack clothes, food, water, gas)	Total responses for contact/gather family	Follow the evacuation route	Contact family members	Total responses for await or listen for instructions	Await instructions or Listen for help	Wait for family members before leaving (Gather family)	Don't know	Locate/Collect Pets	Check wind direction	Get kids from school / Go to school for kids	Get/Check Preparedness kit/package
Respondent Gender															
Male	55%	38%	22%	17%	19%	22%	10%	8%	6%	9%	4%	3%	4%	2%	1%
Female	52%	36%	22%	22%	19%	18%	11%	11%	9%	8%	6%	5%	2%	4%	3%
Respondent Ethnicity															
African American/Black	53%	40%	24%	17%	16%	22%	7%	10%	8%	10%	10%	1%	2%	4%	2%
Caucasian/White	53%	35%	22%	21%	21%	18%	12%	10%	8%	8%	4%	5%	2%	2%	2%
Respondent Time in the Vicinity															
5 years or less	59%	33%	18%	22%	19%	16%	7%	7%	6%	11%	2%	6%	1%	4%	3%
6–10 years	43%	34%	30%	22%	24%	13%	13%	10%	8%	7%	6%	8%	3%	5%	1%
11–15 years	51%	43%	26%	22%	19%	24%	7%	7%	4%	13%	6%	2%	2%	2%	3%
16–20 years	56%	28%	7%	20%	26%	21%	14%	10%	9%	14%	3%	6%	2%	5%	2%
More than 20 years	54%	37%	22%	20%	17%	21%	11%	11%	9%	6%	7%	4%	3%	3%	3%
Respondent Education Level															
Some high school or less	50%	29%	20%	16%	11%	11%	7%	14%	11%	5%	10%	7%	1%	1%	2%
High school graduate	51%	38%	23%	18%	16%	20%	11%	12%	10%	6%	7%	4%	3%	3%	3%
Vocational or technical school	55%	30%	18%	31%	16%	18%	10%	10%	10%	9%	5%	6%	---	---	1%

8. If you were instructed to evacuate, what actions would you take?

	Leave home or workplace/Get out of town/Get in the car	Total responses for follow directions/instructions	Follow instructions or Do what told	Get personal items (pack clothes, food, water, gas)	Total responses for contact/gather family	Follow the evacuation route	Contact family members	Total responses for await or listen for instructions	Await instructions or Listen for help	Wait for family members before leaving (Gather family)	Don't know	Locate/Collect Pets	Check wind direction	Get kids from school / Go to school for kids	Get/Check Preparedness kit/package
Some college	50%	37%	21%	21%	25%	23%	10%	9%	7%	11%	6%	6%	4%	6%	2%
College graduate	62%	41%	24%	21%	23%	22%	12%	5%	5%	10%	1%	3%	1%	4%	3%
Some graduate work	45%	49%	36%	25%	27%	21%	15%	---	---	13%	---	4%	4%	4%	2%
Master's degree	58%	31%	15%	20%	26%	21%	14%	5%	4%	14%	1%	3%	3%	1%	1%
PhD degree	64%	20%	5%	48%	11%	9%	---	---	---	11%	5%	5%	---	---	7%
Household Income of the Family															
Under \$15,000	44%	33%	22%	17%	11%	16%	7%	12%	9%	3%	12%	4%	1%	2%	2%
\$15,000 – <\$25,000	61%	35%	20%	21%	20%	20%	9%	9%	7%	6%	8%	6%	3%	8%	3%
\$25,000 – <\$35,000	55%	41%	25%	25%	21%	23%	13%	9%	8%	13%	3%	2%	3%	3%	3%
\$35,000 – <\$50,000	60%	35%	18%	31%	28%	22%	11%	10%	7%	15%	6%	5%	3%	6%	4%
\$50,000 – <\$75,000	53%	40%	20%	20%	26%	23%	13%	7%	6%	13%	3%	5%	1%	4%	3%
Over \$75,000	55%	35%	18%	20%	20%	20%	13%	5%	4%	8%	1%	5%	3%	2%	2%
Respondents with Children in School (K-12)															
Yes	56%	34%	18%	24%	36%	20%	13%	6%	5%	18%	8%	2%	2%	12%	3%
No	52%	37%	23%	20%	14%	19%	10%	11%	8%	6%	5%	5%	3%	1%	2%

8. If you were instructed to evacuate, what actions would you take?

	Leave home or workplace/Get out of town/Get in the car	Total responses for follow directions/instructions	Follow instructions or Do what told	Get personal items (pack clothes, food, water, gas)	Total responses for contact/gather family	Follow the evacuation route	Contact family members	Total responses for await or listen for instructions	Await instructions or Listen for help	Wait for family members before leaving (Gather family)	Don't know	Locate/Collect Pets	Check wind direction	Get kids from school / Go to school for kids	Get/Check Preparedness kit/package	
Household Member is a First Responder or Local EMA Employee																
Yes	45%	39%	27%	26%	23%	25%	13%	15%	15%	10%	4%	5%	5%	7%	2%	
No	53%	36%	21%	20%	19%	19%	10%	9%	7%	8%	6%	4%	2%	3%	3%	
Household Member is an Employee of the Arsenal or Contractor of the Arsenal																
Yes, work for Pine Bluff Arsenal	47%	29%	13%	7%	34%	21%	25%	16%	12%	14%	2%	1%	9%	1%	1%	
Yes, contractor of the Pine Bluff Arsenal	58%	36%	22%	32%	14%	21%	9%	13%	8%	3%	---	13%	5%	4%	2%	
No	53%	37%	22%	20%	19%	19%	10%	9%	8%	8%	6%	4%	2%	4%	3%	
Received CSEPP Information																
Received information	55%	39%	22%	22%	22%	23%	12%	9%	7%	10%	3%	5%	3%	4%	2%	
Not received information	48%	32%	21%	17%	12%	10%	8%	11%	9%	4%	11%	4%	2%	2%	2%	
Read the Annual Arkansas Emergency Preparedness Calendar																
Yes	53%	40%	21%	20%	24%	28%	13%	7%	7%	10%	2%	5%	4%	4%	3%	
No, have not read it	51%	41%	23%	17%	25%	29%	16%	18%	12%	8%	6%	5%	6%	7%	2%	
No, have not received a calendar	53%	35%	22%	21%	17%	15%	9%	10%	8%	8%	7%	4%	2%	3%	2%	
Have Internet Access																
Yes	54%	38%	22%	22%	23%	21%	12%	8%	6%	10%	4%	5%	3%	4%	2%	

8. If you were instructed to evacuate, what actions would you take?

	Leave home or workplace/Get out of town/Get in the car	Total responses for follow directions/instructions	Follow instructions or Do what told	Get personal items (pack clothes, food, water, gas)	Total responses for contact/gather family	Follow the evacuation route	Contact family members	Total responses for await or listen for instructions	Await instructions or Listen for help	Wait for family members before leaving (Gather family)	Don't know	Locate/Collect Pets	Check wind direction	Get kids from school / Go to school for kids	Get/Check Preparedness kit/package
No	51%	34%	22%	18%	12%	16%	8%	13%	11%	5%	9%	3%	2%	2%	3%
Have a Tone Alert Radio															
Yes	51%	37%	21%	23%	21%	25%	14%	12%	10%	8%	3%	8%	4%	6%	4%
No	58%	31%	16%	11%	22%	19%	14%	10%	8%	7%	5%	2%	5%	4%	3%
Confident in Ability to Shelter In Place															
Total confident	51%	36%	22%	22%	19%	21%	11%	12%	9%	8%	5%	5%	3%	3%	2%
Total not confident	55%	37%	21%	18%	19%	17%	10%	7%	6%	8%	6%	3%	1%	4%	3%
Trust and Control Category															
Participants	54%	38%	23%	22%	21%	21%	11%	10%	8%	10%	4%	5%	3%	3%	3%
Believers	50%	38%	23%	19%	15%	18%	10%	11%	10%	4%	7%	2%	2%	2%	2%
Watchdogs	44%	37%	21%	21%	22%	19%	11%	10%	8%	10%	5%	6%	3%	5%	2%
Cynics	60%	29%	14%	16%	17%	16%	10%	5%	3%	6%	8%	6%	3%	5%	2%

8. If you were instructed to evacuate, what actions would you take?

Additional summary variables considered in the analysis

Evacuation Steps

- Step1. Leave home or workplace. This includes all responses that indicate a respondent would evacuation such as leave home, leave workplace, get out of the town, and get in the car and go.
- Step2. Await, listen, or follow instructions. This includes the following responses: await instructions; listen for help; follow instructions; do what told; listen to TV, AM/FM radio, and/or TAR for correct evacuation route; listen to TV, AM/FM radio, and/or TAR for location of reception/assistance center; listen to TV, AM/FM radio, and/or TAR (general); and follow the evacuation route.

Table 69: Additional Responses to Question 8

	Evacuation Step 1	Evacuation Step 2	Cumulative Step 1 and 2
Total Sample	65%	39%	24%
County and IRZ/PAZ			
Arkansas County PAZ	50%	47%	17%
Cleveland County PAZ	55%	32%	16%
Dallas County PAZ	55%	35%	19%
Grant County IRZ	62%	47%	24%
Grant County PAZ	68%	39%	28%
Jefferson County IRZ	69%	40%	26%
Jefferson County PAZ	70%	41%	29%
Lincoln County PAZ	62%	35%	22%
Lonoke County PAZ	58%	47%	26%
Pulaski County PAZ	61%	40%	18%
Saline County PAZ	62%	34%	18%
Respondent Age			
18–29	60%	29%	13%
30–34	71%	32%	27%
35–44	74%	39%	30%

8. If you were instructed to evacuate, what actions would you take?

	Evacuation Step 1	Evacuation Step 2	Cumulative Step 1 and 2
45–54	61%	41%	24%
55–59	67%	40%	29%
60–64	68%	51%	31%
65+	64%	35%	20%
Respondent Gender			
Male	69%	40%	27%
Female	64%	38%	23%
Respondent Ethnicity			
African American/Black	65%	42%	27%
Caucasian/White	66%	38%	23%
Respondent Time in the Vicinity			
5 years or less	69%	34%	20%
6–10 years	54%	37%	17%
11–15 years	65%	43%	30%
16–20 years	72%	31%	23%
More than 20 years	66%	40%	25%
Respondent Education Level			
Some high school or less	58%	34%	15%
High school graduate	63%	40%	24%
Vocational or technical school	60%	37%	22%
Some college	65%	39%	27%
College graduate	76%	41%	29%
Some graduate work	64%	48%	27%
Master's degree	74%	31%	21%
PhD degree	73%	13%	9%

8. If you were instructed to evacuate, what actions would you take?

	Evacuation Step 1	Evacuation Step 2	Cumulative Step 1 and 2
Household Income of the Family			
Under \$15,000	54%	36%	17%
\$15,000 – <\$25,000	72%	36%	25%
\$25,000 – <\$35,000	67%	42%	28%
\$35,000 – <\$50,000	69%	36%	23%
\$50,000 – <\$75,000	73%	40%	28%
Over \$75,000	65%	35%	22%
Respondents with Children in School (K–12)			
Yes	68%	33%	25%
No	65%	40%	24%
Household Member is a First Responder or Local EMA Employee			
Yes	61%	40%	26%
No	66%	39%	24%
Household Member is an Employee of the Arsenal or Contractor of the Arsenal			
Yes, work for Pine Bluff Arsenal	62%	38%	25%
Yes, contractor of the Pine Bluff Arsenal	71%	38%	22%
No	65%	39%	24%
Received CSEPP Information			
Received information	69%	40%	27%
Not received information	56%	36%	16%
Read the Annual Arkansas Emergency Preparedness Calendar			
Yes	70%	41%	29%
No, have not read it	68%	46%	35%
No, have not received a calendar	63%	37%	21%

8. If you were instructed to evacuate, what actions would you take?

	Evacuation Step 1	Evacuation Step 2	Cumulative Step 1 and 2
Have Internet Access			
Yes	68%	38%	25%
No	61%	39%	22%
Have a Tone Alert Radio			
Yes	67%	44%	27%
No	70%	36%	25%
Confident in Ability to Shelter In Place			
Total confident	65%	39%	25%
Total not confident	66%	39%	23%
Trust and Control Category			
Participants	68%	40%	26%
Believers	62%	41%	22%
Watchdogs	54%	38%	22%
Cynics	71%	30%	21%

9. If you were instructed to shelter in place, what actions would you take?⁷⁵

Table 70: Responses to Question 9

	Go inside/Stay inside	Close doors and windows	Go into shelter room of your home/workplace	Follow or listen for instructions	Don't know (not specified)	Seal doors and windows of shelter room	Close heating and/or air-conditioning vents	Evacuate	Get food/water supply	Get supplies	Lock doors and windows	Find/Gather family	Use Shelter in place kit	Contact Family
Total Sample	28%	25%	20%	20%	16%	12%	10%	8%	7%	6%	4%	4%	3%	2%
County and IRZ/PAZ														
Arkansas County PAZ	30%	13%	10%	37%	23%	10%	10%	10%	3%	---	---	10%	---	7%
Cleveland County PAZ	26%	29%	13%	16%	19%	19%	6%	3%	10%	6%	3%	3%	---	---
Dallas County PAZ	29%	---	13%	16%	32%	16%	6%	3%	3%	6%	---	---	---	---
Grant County IRZ	27%	25%	29%	9%	18%	16%	13%	7%	13%	4%	2%	---	2%	4%
Grant County PAZ	32%	26%	22%	16%	18%	11%	8%	2%	8%	3%	6%	8%	3%	4%
Jefferson County IRZ	30%	32%	22%	14%	16%	11%	12%	9%	5%	6%	8%	5%	5%	4%
Jefferson County PAZ	30%	13%	23%	20%	14%	17%	16%	6%	7%	8%	5%	4%	3%	3%
Lincoln County PAZ	51%	19%	16%	11%	8%	11%	5%	8%	5%	5%	5%	5%	3%	---
Lonoke County PAZ	17%	26%	15%	40%	15%	4%	9%	17%	9%	9%	2%	4%	---	4%
Pulaski County PAZ	26%	32%	15%	26%	20%	12%	4%	6%	5%	3%	3%	4%	1%	---
Saline County PAZ	25%	25%	18%	19%	16%	8%	5%	9%	8%	7%	3%	4%	2%	2%

⁷⁵ Multiple responses were accepted for this question.

9. If you were instructed to shelter in place, what actions would you take?

	Go inside/Stay inside	Close doors and windows	Go into shelter room of your home/workplace	Follow or listen for instructions	Don't know (not specified)	Seal doors and windows of shelter room	Close heating and/or air-conditioning vents	Evacuate	Get food/water supply	Get supplies	Lock doors and windows	Find/Gather family	Use Shelter in place kit	Contact Family
Respondent Age														
18–29	34%	13%	21%	18%	15%	7%	7%	17%	8%	8%	5%	14%	---	4%
30–34	33%	19%	14%	10%	16%	17%	6%	4%	9%	8%	1%	9%	6%	1%
35–44	27%	26%	25%	17%	12%	21%	12%	9%	6%	8%	5%	7%	5%	2%
45–54	29%	32%	18%	20%	13%	19%	11%	6%	9%	6%	6%	3%	4%	3%
55–59	34%	25%	16%	19%	15%	13%	11%	6%	4%	6%	2%	1%	3%	3%
60–64	21%	32%	21%	19%	20%	9%	10%	10%	3%	9%	8%	1%	1%	1%
65+	27%	22%	21%	23%	18%	5%	10%	6%	9%	4%	3%	3%	1%	2%
Respondent Gender														
Male	27%	25%	19%	18%	12%	15%	10%	9%	8%	7%	3%	4%	2%	2%
Female	29%	25%	20%	21%	17%	11%	10%	7%	7%	6%	5%	4%	3%	3%
Respondent Ethnicity														
African American/Black	32%	20%	20%	23%	15%	11%	7%	9%	5%	5%	3%	5%	2%	1%
Caucasian/White	27%	26%	19%	19%	17%	12%	11%	7%	8%	7%	5%	4%	3%	3%
Respondent Time in the Vicinity														
5 years or less	30%	24%	14%	19%	19%	9%	9%	9%	6%	5%	6%	6%	2%	5%

9. If you were instructed to shelter in place, what actions would you take?

	Go inside/Stay inside	Close doors and windows	Go into shelter room of your home/workplace	Follow or listen for instructions	Don't know (not specified)	Seal doors and windows of shelter room	Close heating and/or air-conditioning vents	Evacuate	Get food/water supply	Get supplies	Lock doors and windows	Find/Gather family	Use Shelter in place kit	Contact Family
6–10 years	29%	28%	22%	27%	8%	16%	15%	7%	7%	7%	5%	5%	6%	1%
11–15 years	28%	23%	18%	19%	14%	12%	9%	10%	3%	6%	2%	3%	3%	---
16–20 years	25%	26%	22%	9%	14%	13%	8%	8%	12%	4%	5%	3%	5%	0%
More than 20 years	29%	25%	21%	20%	17%	12%	10%	7%	8%	7%	4%	4%	2%	3%
Respondent Education Level														
Some high school or less	27%	13%	15%	15%	30%	4%	7%	6%	6%	5%	2%	4%	3%	2%
High school graduate	30%	22%	21%	24%	18%	11%	7%	6%	8%	5%	4%	6%	2%	3%
Vocational or technical school	28%	31%	31%	13%	8%	12%	8%	6%	12%	10%	1%	2%	---	---
Some college	30%	32%	23%	16%	13%	14%	14%	10%	7%	7%	7%	5%	2%	2%
College graduate	26%	22%	14%	23%	10%	15%	10%	9%	8%	7%	4%	3%	3%	1%
Some graduate work	23%	41%	18%	19%	---	25%	16%	14%	4%	14%	---	---	10%	2%
Master's degree	29%	33%	26%	23%	11%	13%	12%	5%	9%	5%	4%	3%	4%	8%
PhD degree	18%	21%	8%	19%	9%	5%	11%	8%	2%	10%	9%	---	---	8%
Household Income of the Family														
Under \$15,000	32%	16%	26%	20%	18%	7%	6%	11%	8%	4%	4%	4%	2%	1%
\$15,000 – <\$25,000	28%	24%	26%	18%	18%	10%	6%	7%	7%	6%	4%	7%	3%	1%

9. If you were instructed to shelter in place, what actions would you take?

	Go inside/Stay inside	Close doors and windows	Go into shelter room of your home/workplace	Follow or listen for instructions	Don't know (not specified)	Seal doors and windows of shelter room	Close heating and/or air-conditioning vents	Evacuate	Get food/water supply	Get supplies	Lock doors and windows	Find/Gather family	Use Shelter in place kit	Contact Family
\$25,000 – <\$35,000	23%	21%	16%	17%	21%	14%	10%	8%	9%	7%	6%	9%	0%	3%
\$35,000 – <\$50,000	34%	30%	24%	16%	12%	15%	10%	7%	8%	9%	5%	2%	1%	3%
\$50,000 – <\$75,000	31%	32%	18%	18%	9%	19%	13%	7%	5%	10%	3%	4%	6%	4%
Over \$75,000	24%	29%	17%	16%	9%	17%	14%	8%	10%	4%	5%	4%	1%	2%
Respondents with Children in School (K–12)														
Yes	22%	28%	19%	15%	15%	19%	11%	9%	7%	5%	5%	5%	2%	2%
No	30%	24%	20%	21%	16%	10%	10%	7%	7%	7%	4%	4%	3%	3%
Household Member is a First Responder or Local EMA Employee														
Yes	29%	28%	23%	25%	6%	25%	12%	3%	8%	11%	7%	3%	9%	3%
No	28%	24%	19%	19%	17%	11%	10%	8%	7%	6%	4%	5%	2%	2%
Household Member is an Employee of the Arsenal or Contractor of the Arsenal														
Yes, work for Pine Bluff Arsenal	43%	38%	26%	12%	12%	16%	21%	9%	6%	4%	7%	4%	3%	6%
Yes, contractor of the Pine Bluff Arsenal	15%	33%	18%	22%	9%	9%	16%	7%	5%	6%	7%	3%	2%	3%
No	28%	24%	19%	20%	16%	12%	9%	8%	7%	6%	4%	5%	3%	2%
Received CSEPP Information														
Received information	28%	28%	20%	22%	11%	14%	11%	9%	8%	7%	5%	5%	3%	3%

9. If you were instructed to shelter in place, what actions would you take?

	Go inside/Stay inside	Close doors and windows	Go into shelter room of your home/workplace	Follow or listen for instructions	Don't know (not specified)	Seal doors and windows of shelter room	Close heating and/or air-conditioning vents	Evacuate	Get food/water supply	Get supplies	Lock doors and windows	Find/Gather family	Use Shelter in place kit	Contact Family
Not received information	30%	18%	19%	15%	27%	7%	7%	4%	6%	5%	3%	4%	2%	1%
Read the Annual Arkansas Emergency Preparedness Calendar														
Yes	29%	41%	22%	17%	7%	24%	20%	9%	7%	6%	6%	3%	5%	3%
No, have not read it	27%	31%	26%	22%	17%	16%	16%	3%	10%	12%	7%	8%	4%	5%
No, have not received a calendar	28%	18%	18%	21%	19%	7%	6%	8%	7%	6%	3%	5%	2%	2%
Have Internet Access														
Yes	29%	29%	20%	19%	12%	16%	12%	9%	7%	7%	6%	5%	3%	3%
No	27%	17%	19%	22%	23%	5%	7%	5%	8%	6%	2%	3%	3%	2%
Have a Tone Alert Radio														
Yes	29%	36%	21%	16%	12%	13%	13%	10%	8%	7%	9%	7%	5%	4%
No	30%	28%	24%	11%	20%	9%	11%	7%	3%	3%	6%	1%	4%	3%
Confident in Ability to Shelter In Place														
Total confident	31%	28%	21%	22%	9%	15%	12%	8%	9%	9%	5%	5%	4%	3%
Total not confident	24%	20%	17%	17%	25%	8%	7%	7%	4%	2%	3%	3%	2%	2%
Trust and Control Category														
Participants	30%	27%	20%	21%	13%	13%	11%	7%	9%	8%	5%	6%	4%	2%

9. If you were instructed to shelter in place, what actions would you take?

	Go inside/Stay inside	Close doors and windows	Go into shelter room of your home/workplace	Follow or listen for instructions	Don't know (not specified)	Seal doors and windows of shelter room	Close heating and/or air-conditioning vents	Evacuate	Get food/water supply	Get supplies	Lock doors and windows	Find/Gather family	Use Shelter in place kit	Contact Family
Believers	26%	22%	21%	21%	18%	9%	10%	7%	3%	4%	4%	3%	1%	3%
Watchdogs	29%	33%	15%	23%	11%	13%	11%	13%	11%	9%	3%	5%	3%	3%
Cynics	25%	11%	20%	10%	29%	9%	3%	9%	6%	1%	2%	2%	1%	1%

10. How would you know when it would be safe to stop sheltering-in-place?^{76,77}

Table 71: Responses to Question 10

	AM/FM radio	Television	Don't know	TAR	Siren	Telephone or cell phone	Police	Loud-speaker/Bullhorn	Local EMA	Friend/Neighbor	Family/Relative
Total Sample	39%	35%	22%	13%	9%	4%	4%	4%	3%	3%	3%
County and IRZ/PAZ											
Arkansas County PAZ	30%	23%	20%	7%	10%	3%	7%	---	3%	3%	7%
Cleveland County PAZ	23%	26%	45%	6%	6%	---	6%	---	---	13%	6%
Dallas County PAZ	32%	23%	19%	---	---	6%	3%	3%	---	---	---
Grant County IRZ	22%	31%	22%	16%	2%	5%	2%	4%	4%	2%	4%
Grant County PAZ	40%	33%	20%	16%	11%	6%	4%	8%	7%	10%	4%
Jefferson County IRZ	33%	23%	22%	28%	13%	2%	3%	10%	3%	2%	3%
Jefferson County PAZ	36%	32%	25%	15%	11%	5%	4%	4%	2%	1%	2%
Lincoln County PAZ	43%	38%	11%	16%	3%	11%	16%	3%	8%	5%	3%
Lonoke County PAZ	26%	49%	23%	6%	---	6%	9%	4%	---	6%	8%
Pulaski County PAZ	43%	37%	21%	6%	4%	4%	3%	2%	2%	2%	1%
Saline County PAZ	48%	43%	18%	8%	8%	4%	4%	3%	3%	3%	3%

⁷⁶ Multiple responses were accepted for this question.

⁷⁷ This question was not asked in the November 2002 survey.

10. How would you know when it would be safe to stop sheltering-in-place?

	AM/FM radio	Television	Don't know	TAR	Siren	Telephone or cell phone	Police	Loud-speaker/ Bullhorn	Local EMA	Friend/ Neighbor	Family/ Relative
Respondent Age											
18–29	23%	33%	20%	10%	16%	7%	5%	5%	2%	7%	4%
30–34	44%	52%	5%	18%	3%	7%	5%	10%	---	---	2%
35–44	56%	53%	9%	12%	9%	6%	6%	6%	4%	4%	3%
45–54	48%	41%	15%	12%	8%	4%	5%	3%	3%	3%	2%
55–59	39%	27%	23%	24%	4%	2%	1%	4%	5%	1%	3%
60–64	44%	39%	20%	13%	8%	3%	9%	4%	2%	2%	5%
65+	29%	26%	33%	12%	10%	5%	3%	4%	2%	3%	3%
Respondent Gender											
Male	47%	38%	19%	16%	10%	6%	4%	5%	3%	3%	1%
Female	35%	34%	23%	12%	8%	4%	4%	4%	3%	3%	4%
Respondent Ethnicity											
African American/Black	31%	33%	18%	8%	7%	4%	4%	4%	2%	4%	3%
Caucasian/White	42%	37%	34%	14%	9%	5%	4%	4%	3%	3%	3%
Respondent Time in the Vicinity											
5 years or less	44%	40%	19%	8%	7%	5%	4%	4%	4%	3%	3%
6–10 years	36%	39%	21%	13%	12%	5%	7%	3%	3%	4%	1%
11–15 years	49%	40%	18%	15%	5%	6%	3%	5%	1%	4%	2%

10. How would you know when it would be safe to stop sheltering-in-place?

	AM/FM radio	Television	Don't know	TAR	Siren	Telephone or cell phone	Police	Loud-speaker/ Bullhorn	Local EMA	Friend/ Neighbor	Family/ Relative
16–20 years	49%	39%	23%	8%	13%	4%	4%	3%	2%	3%	1%
More than 20 years	35%	32%	23%	15%	9%	4%	4%	5%	3%	3%	4%
Respondent Education Level											
Some high school or less	24%	23%	45%	7%	6%	2%	3%	2%	2%	4%	3%
High school graduate	37%	36%	22%	13%	7%	7%	3%	4%	3%	3%	4%
Vocational or technical school	53%	38%	14%	18%	7%	2%	12%	13%	4%	7%	4%
Some college	38%	36%	20%	13%	13%	2%	6%	3%	2%	2%	3%
College graduate	48%	40%	11%	13%	11%	6%	4%	6%	3%	4%	2%
Some graduate work	54%	53%	18%	15%	7%	9%	2%	12%	6%	8%	---
Master's degree	57%	34%	15%	30%	6%	4%	1%	5%	6%	---	2%
PhD degree	27%	28%	16%	14%	9%	7%	---	6%	---	---	---
Household Income of the Family											
Under \$15,000	26%	27%	31%	8%	7%	7%	5%	4%	3%	6%	4%
\$15,000 – <\$25,000	33%	36%	22%	10%	10%	4%	7%	3%	1%	2%	4%
\$25,000 – <\$35,000	35%	36%	23%	14%	6%	5%	2%	3%	3%	4%	7%
\$35,000 – <\$50,000	42%	33%	23%	18%	14%	4%	4%	7%	4%	3%	1%

10. How would you know when it would be safe to stop sheltering-in-place?

	AM/FM radio	Television	Don't know	TAR	Siren	Telephone or cell phone	Police	Loud-speaker/ Bullhorn	Local EMA	Friend/ Neighbor	Family/ Relative
\$50,000 – <\$75,000	45%	41%	13%	21%	10%	4%	4%	6%	3%	4%	2%
Over \$75,000	55%	40%	13%	15%	6%	5%	1%	2%	3%	3%	2%
Respondents with Children in School (K-12)											
Yes	44%	41%	17%	22%	7%	6%	4%	5%	3%	3%	3%
No	38%	34%	23%	13%	9%	4%	4%	4%	3%	3%	3%
Household Member is a First Responder or Local EMA Employee											
Yes	43%	32%	11%	22%	13%	6%	7%	5%	3%	6%	4%
No	39%	36%	23%	13%	8%	4%	4%	4%	3%	3%	3%
Household Member is an Employee of the Arsenal or Contractor of the Arsenal											
Yes, work for Pine Bluff Arsenal	46%	39%	17%	12%	26%	5%	5%	6%	1%	6%	10%
Yes, contractor of the Pine Bluff Arsenal	33%	36%	20%	11%	7%	2%	6%	4%	6%	4%	10%
No	39%	35%	22%	14%	8%	5%	4%	4%	3%	3%	2%
Received CSEPP Information											
Received information	42%	35%	17%	16%	10%	5%	4%	5%	3%	3%	3%
Not received information	33%	36%	33%	8%	6%	3%	4%	2%	2%	3%	3%
Read the Annual Arkansas Emergency Preparedness Calendar											
Yes	35%	30%	16%	30%	15%	5%	4%	9%	3%	2%	1%

10. How would you know when it would be safe to stop sheltering-in-place?

	AM/FM radio	Television	Don't know	TAR	Siren	Telephone or cell phone	Police	Loud-speaker/ Bullhorn	Local EMA	Friend/ Neighbor	Family/ Relative
No, have not read it	43%	40%	11%	10%	13%	4%	5%	6%	5%	7%	8%
No, have not received a calendar	40%	37%	25%	8%	6%	4%	4%	3%	2%	3%	3%
Have Internet Access											
Yes	44%	38%	15%	15%	10%	5%	5%	4%	3%	3%	3%
No	29%	30%	33%	11%	6%	4%	3%	4%	2%	3%	3%
Have a Tone Alert Radio											
Yes	27%	23%	14%	51%	14%	3%	4%	7%	3%	2%	4%
No	37%	25%	29%	2%	11%	2%	2%	12%	3%	2%	2%
Confident in Ability to Shelter In Place											
Total confident	40%	35%	17%	18%	10%	4%	4%	5%	3%	4%	4%
Total not confident	38%	36%	29%	8%	6%	5%	4%	4%	2%	2%	2%
Trust and Control Category											
Participants	40%	36%	18%	17%	11%	4%	4%	5%	3%	3%	4%
Believers	34%	37%	28%	10%	6%	5%	4%	3%	2%	3%	2%
Watchdogs	46%	35%	16%	8%	9%	2%	5%	5%	1%	5%	2%
Cynics	35%	31%	33%	8%	3%	7%	5%	3%	3%	2%	3%

Additional summary variables considered in the analysis

Note: The following table includes summaries of the individual responses to the survey. A description of the individual responses included in each summary category is provided below.

- The column “Total responses for official stop SIP channels” includes responses for EAS, AM/FM radio, TV, news/media, siren, TAR, listen for instructions, and alert/alarm/signal.⁷⁸
- The column “Total responses for EAS channels” includes responses for EAS, AM/FM radio, TV, and news/media.
- The column “Total responses for local officials and first responders” includes responses for CSEPP, sheriff’s department, fire department, local EMA, Pine Bluff Arsenal, police—local or state, and route alerting.

Table 72: Additional Responses to Question 10

	Total responses for EAS channels	Total responses for official channels	Total responses for local officials and first responders
Total Sample	52%	73%	8%
County and IRZ/PAZ			
Arkansas County PAZ	43%	60%	13%
Cleveland County PAZ	32%	45%	10%
Dallas County PAZ	45%	55%	6%
Grant County IRZ	45%	69%	7%
Grant County PAZ	50%	68%	11%
Jefferson County IRZ	42%	72%	7%
Jefferson County PAZ	46%	72%	6%
Lincoln County PAZ	57%	78%	22%
Lonoke County PAZ	58%	72%	17%
Pulaski County PAZ	60%	75%	7%
Saline County PAZ	63%	78%	8%

⁷⁸ Bill Bischof provided the individual responses that are included in the category during a telephone call with IEM on December 1, 2005.

10. How would you know when it would be safe to stop sheltering-in-place?

	Total responses for EAS channels	Total responses for official channels	Total responses for local officials and first responders
Respondent Age			
18–29	43%	72%	9%
30–34	68%	93%	7%
35–44	71%	91%	9%
45–54	64%	79%	8%
55–59	49%	75%	10%
60–64	57%	74%	11%
65+	38%	58%	6%
Respondent Gender			
Male	56%	76%	7%
Female	50%	71%	9%
Respondent Ethnicity			
African American/Black	45%	64%	7%
Caucasian/White	55%	75%	8%
Respondent Time in the Vicinity			
5 years or less	58%	73%	10%
6–10 years	51%	73%	10%
11–15 years	58%	80%	5%
16–20 years	62%	75%	6%
More than 20 years	48%	70%	8%
Respondent Education Level			
Some high school or less	31%	45%	7%
High school graduate	53%	72%	7%
Vocational or technical school	67%	79%	12%

10. How would you know when it would be safe to stop sheltering-in-place?

	Total responses for EAS channels	Total responses for official channels	Total responses for local officials and first responders
Some college	54%	75%	10%
College graduate	59%	87%	9%
Some graduate work	61%	82%	6%
Master's degree	63%	84%	11%
PhD degree	45%	76%	---
Household Income of the Family			
Under \$15,000	40%	57%	7%
\$15,000 – <\$25,000	45%	68%	11%
\$25,000 – <\$35,000	52%	70%	6%
\$35,000 – <\$50,000	55%	75%	7%
\$50,000 – <\$75,000	56%	86%	9%
Over \$75,000	63%	85%	6%
Respondents with Children in School (K–12)			
Yes	59%	80%	7%
No	50%	70%	9%
Household Member is a First Responder or Local EMA Employee			
Yes	47%	80%	14%
No	52%	72%	8%
Household Member is an Employee of the Arsenal or Contractor of the Arsenal			
Yes, work for Pine Bluff Arsenal	58%	79%	7%
Yes, contractor of the Pine Bluff Arsenal	49%	71%	13%
No	52%	72%	8%

10. How would you know when it would be safe to stop sheltering-in-place?

	Total responses for EAS channels	Total responses for official channels	Total responses for local officials and first responders
Received CSEPP Information			
Received information	54%	77%	9%
Not received information	48%	62%	7%
Read the Annual Arkansas Emergency Preparedness Calendar			
Yes	47%	80%	8%
No, have not read it	57%	82%	9%
No, have not received a calendar	53%	69%	8%
Have Internet Access			
Yes	58%	81%	9%
No	41%	59%	8%
Have a Tone Alert Radio			
Yes	37%	78%	8%
No	47%	65%	7%
Confident in Ability to Shelter In Place			
Total confident	52%	76%	10%
Total not confident	53%	68%	6%
Trust and Control Category			
Participants	53%	77%	9%
Believers	49%	65%	7%
Watchdogs	58%	76%	8%
Cynics	47%	63%	9%

11. How confident are you that you know how to shelter in place in the event of a chemical emergency?^{78,79}

Table 73: Responses to Question 11

	Total confident	Total not confident
Total Sample	57%	43%
County and IRZ/PAZ		
Arkansas County PAZ	57%	43%
Cleveland County PAZ	61%	39%
Dallas County PAZ	42%	58%
Grant County IRZ	55%	45%
Grant County PAZ	58%	42%
Jefferson County IRZ	64%	36%
Jefferson County PAZ	62%	38%
Lincoln County PAZ	43%	57%
Lonoke County PAZ	58%	42%
Pulaski County PAZ	59%	41%
Saline County PAZ	47%	53%
Respondent Age		
18–29	60%	40%
30–34	57%	43%
35–44	59%	41%
45–54	60%	40%
55–59	58%	42%
60–64	49%	51%

⁷⁸ In November 2002, this question read: “How confident are you that you know how to shelter in place *from chemical vapors* in the event of a chemical emergency?” The phrase “from chemical vapors” was removed in October 2003.

⁷⁹ In August 2005, the “don’t know” category was removed. If respondents answered “don’t know” they were asked to choose the category that most closely reflected their opinion.

11. How confident are you that you know how to shelter in place in the event of a chemical emergency?

	Total confident	Total not confident
65+	54%	46%
Respondent Gender		
Male	63%	37%
Female	54%	46%
Respondent Ethnicity		
African American/Black	55%	45%
Caucasian/White	61%	39%
Respondent Time in the Vicinity		
5 years or less	51%	49%
6–10 years	63%	37%
11–15 years	55%	45%
16–20 years	55%	45%
More than 20 years	57%	43%
Respondent Education Level		
Some high school or less	51%	49%
High school graduate	53%	47%
Vocational or technical school	63%	37%
Some college	63%	37%
College graduate	62%	38%
Some graduate work	42%	58%
Master's degree	43%	57%
PhD degree	70%	30%
Household Income of the Family		
Under \$15,000	50%	50%
\$15,000 - \$25,000	60%	40%
\$25,000 - \$35,000	55%	45%

11. How confident are you that you know how to shelter in place in the event of a chemical emergency?

	Total confident	Total not confident
\$35,000 - \$50,000	60%	40%
\$50,000 - \$75,000	60%	40%
Over \$75,000	54%	46%
Respondents with Children in School (K-12)		
Yes	57%	43%
No	57%	43%
Household Member is a First Responder or Local EMA Employee		
Yes	79%	21%
No	55%	45%
Household Member is an Employee of the Arsenal or Contractor of the Arsenal		
Yes, work for Pine Bluff Arsenal	83%	17%
Yes, contractor of the Pine Bluff Arsenal	58%	42%
No	55%	45%
Received CSEPP Information		
Received information	62%	38%
Not received information	45%	55%
Read the Annual Arkansas Emergency Preparedness Calendar		
Yes	75%	25%
No, have not read it	60%	40%
No, have not received a calendar	50%	50%
Have Internet Access		
Yes	57%	43%
No	56%	44%

11. How confident are you that you know how to shelter in place in the event of a chemical emergency?

	Total confident	Total not confident
Have a Tone Alert Radio		
Yes	70%	30%
No	57%	43%
Trust and Control Category		
Participants	74%	26%
Believers	33%	67%
Watchdogs	57%	43%
Cynics	23%	77%

12. Do you have a Tone Alert Radio (TAR)?⁸⁰

Table 74: Responses to Question 12

	Yes	No
Total IRZ Sample	51%	49%
County and IRZ		
Grant County IRZ	40%	60%
Jefferson County IRZ	52%	48%
Respondent Age		
18–29	44%	56%
30–34	39%	61%
35–44	51%	49%
45–54	44%	56%
55–59	55%	45%
60–64	54%	46%
65+	57%	43%
Respondent Gender		
Male	53%	47%
Female	51%	49%
Respondent Ethnicity		
African American/Black	28%	72%
Caucasian/White	60%	40%
Respondent Time in the Vicinity		
5 years or less	46%	54%
6–10 years	56%	44%
11–15 years	36%	64%

⁸⁰ The Pine Bluff site added this question in October 2003. It was only asked of residents who live in the IRZ.

12. Do you have a Tone Alert Radio (TAR)?

	Yes	No
16–20 years	50%	50%
More than 20 years	55%	45%
Respondent Education Level		
Some high school or less	45%	55%
High school graduate	51%	49%
Vocational or technical school	67%	33%
Some college	57%	43%
College graduate	51%	49%
Some graduate work	52%	48%
Master's degree	52%	48%
PhD degree	33%	67%
Household Income of the Family		
Under \$15,000	48%	52%
\$15,000 - \$25,000	45%	55%
\$25,000 - \$35,000	51%	49%
\$35,000 - \$50,000	50%	50%
\$50,000 - \$75,000	70%	30%
Over \$75,000	55%	45%
Respondents with Children in School (K–12)		
Yes	57%	43%
No	49%	51%
Household Member is a First Responder or Local EMA Employee		
Yes	59%	41%
No	51%	49%

	Yes	No
Household Member is an Employee of the Arsenal or Contractor of the Arsenal		
Yes, work for Pine Bluff Arsenal	62%	38%
Yes, contractor of the Pine Bluff Arsenal	51%	49%
No	50%	50%
Received CSEPP Information		
Received information	53%	47%
Not received information	47%	53%
Read the Annual Arkansas Emergency Preparedness Calendar		
Yes	70%	30%
No, have not read it	39%	61%
No, have not received a calendar	31%	69%
Have Internet Access		
Yes	55%	45%
No	45%	55%
Confident in Ability to Shelter In Place		
Total confident	57%	43%
Total not confident	42%	58%
Trust and Control Category		
Participants	56%	44%
Believers	43%	57%
Watchdogs	51%	49%
Cynics	46%	54%

13. Is your Tone Alert Radio (TAR) plugged in? ⁸¹

Note: The responses in this table are provided for all of the IRZ respondents and not just the respondents who answered yes to question 12.

Table 75: Question 13

	Yes	No
Total IRZ Sample	44%	56%
County and IRZ		
Grant County IRZ	29%	71%
Jefferson County IRZ	45%	55%
Respondent Age		
18–29	40%	60%
30–34	39%	61%
35–44	49%	51%
45–54	38%	62%
55–59	45%	55%
60–64	45%	55%
65+	46%	54%
Respondent Gender		
Male	43%	57%
Female	44%	56%
Respondent Ethnicity		
African American/Black	21%	79%
Caucasian/White	53%	47%
Respondent Time in the Vicinity		
5 years or less	38%	62%
6–10 years	49%	51%

⁸¹ The Pine Bluff site added this question in October 2003. It was only asked of residents who live in the IRZ.

13. Is your Tone Alert Radio (TAR) plugged in?

	Yes	No
11–15 years	36%	64%
16–20 years	35%	65%
More than 20 years	46%	54%
Respondent Education Level		
Some high school or less	30%	70%
High school graduate	48%	52%
Vocational or technical school	67%	33%
Some college	49%	51%
College graduate	44%	56%
Some graduate work	28%	72%
Master’s degree	44%	56%
PhD degree	33%	67%
Household Income of the Family		
Under \$15,000	35%	65%
\$15,000 - \$25,000	42%	58%
\$25,000 - \$35,000	44%	56%
\$35,000 - \$50,000	45%	55%
\$50,000 - \$75,000	57%	43%
Over \$75,000	51%	49%
Respondents with Children in School (K–12)		
Yes	48%	52%
No	42%	58%
Household Member is a First Responder or Local EMA Employee		
Yes	54%	46%
No	43%	57%

13. Is your Tone Alert Radio (TAR) plugged in?

	Yes	No
Household Member is an Employee of the Arsenal or Contractor of the Arsenal		
Yes, work for Pine Bluff Arsenal	54%	46%
Yes, contractor of the Pine Bluff Arsenal	47%	53%
No	43%	57%
Received CSEPP Information		
Received information	45%	55%
Not received information	39%	61%
Read the Annual Arkansas Emergency Preparedness Calendar		
Yes	59%	41%
No, have not read it	39%	61%
No, have not received a calendar	25%	75%
Have Internet Access		
Yes	48%	52%
No	37%	63%
Have a Tone Alert Radio		
Yes	85%	15%
No	---	100%
Confident in Ability to Shelter In Place		
Total confident	49%	51%
Total not confident	35%	65%
Trust and Control Category		
Participants	47%	53%
Believers	37%	63%
Watchdogs	51%	49%
Cynics	39%	61%

14. Do you have children in a local school in grades K–12?⁸²

Table 76: Responses to Question 14

	Yes	No
Total Sample	22%	78%
County and IRZ/PAZ		
Arkansas County PAZ	13%	87%
Cleveland County PAZ	23%	77%
Dallas County PAZ	23%	77%
Grant County IRZ	38%	62%
Grant County PAZ	22%	78%
Jefferson County IRZ	27%	73%
Jefferson County PAZ	21%	79%
Lincoln County PAZ	22%	78%
Lonoke County PAZ	28%	72%
Pulaski County PAZ	18%	82%
Saline County PAZ	22%	78%
Respondent Age		
18–29	34%	66%
30–34	57%	43%
35–44	61%	39%
45–54	28%	72%
55–59	17%	83%
60–64	8%	92%
65+	4%	96%

⁸² In the November 2002 survey and October 2003 IRZ survey, parents were asked a follow-up question regarding which schools their children attended. This was not asked in subsequent surveys. If parents said their children were home schooled or refused to answer the question, they were not asked the remaining school-related questions.

14. Do you have children in a local school in grades K–12?

	Yes	No
Respondent Gender		
Male	24%	76%
Female	22%	78%
Respondent Ethnicity		
African American/Black	29%	71%
Caucasian/White	20%	80%
Respondent Time in the Vicinity		
5 years or less	30%	70%
6–10 years	26%	74%
11–15 years	27%	73%
16–20 years	19%	81%
More than 20 years	19%	81%
Respondent Education Level		
Some high school or less	10%	90%
High school graduate	22%	78%
Vocational or technical school	37%	63%
Some college	24%	76%
College graduate	27%	73%
	15%	85%
Master's degree	21%	79%
	26%	74%
Household Income of the Family		
Under \$15,000	14%	86%
\$15,000 - \$25,000	22%	78%
\$25,000 - \$35,000	26%	74%
\$35,000 - \$50,000	31%	69%

14. Do you have children in a local school in grades K–12?

	Yes	No
\$50,000 - \$75,000	28%	72%
Over \$75,000	27%	73%
Household Member is a First Responder or Local EMA Employee		
Yes	39%	61%
No	21%	79%
Household Member is an Employee of the Arsenal or Contractor of the Arsenal		
Yes, work for Pine Bluff Arsenal	23%	77%
Yes, contractor of the Pine Bluff Arsenal	21%	79%
No	22%	78%
Received CSEPP Information		
Received information	24%	76%
Not received information	17%	83%
Read the Annual Arkansas Emergency Preparedness Calendar		
Yes	25%	75%
No, have not read it	23%	77%
No, have not received a calendar	21%	79%
Have Internet Access		
Yes	29%	71%
No	10%	90%
Have a Tone Alert Radio		
Yes	31%	69%
No	25%	75%
Confident in Ability to Shelter In Place		
Total confident	22%	78%

14. Do you have children in a local school in grades K-12?

	Yes	No
Total not confident	22%	78%
Trust and Control Category		
Participants	24%	76%
Believers	19%	81%
Watchdogs	21%	79%
Cynics	23%	77%

15. Are you familiar with the emergency plan at your child(ren)'s school(s)?⁸³

Table 77: Responses to Question 15

	Yes	No
Total Sample	46%	54%
County and IRZ/PAZ		
Arkansas County PAZ	50%	50%
Cleveland County PAZ	71%	29%
Dallas County PAZ	14%	86%
Grant County IRZ	43%	57%
Grant County PAZ	35%	65%
Jefferson County IRZ	59%	41%
Jefferson County PAZ	52%	48%
Lincoln County PAZ	13%	88%
Lonoke County PAZ	67%	33%
Pulaski County PAZ	24%	76%
Saline County PAZ	38%	62%
Respondent Age		
18–29	33%	67%
30–34	55%	45%
35–44	50%	50%
45–54	45%	55%
55–59	50%	50%
60–64	42%	58%
65+	37%	63%

⁸³ This question was not asked in the November 2002 survey or the October 2003 IRZ survey

15. Are you familiar with the emergency plan at your child(ren)'s school?

	Yes	No
Respondent Gender		
Male	48%	52%
Female	46%	54%
Respondent Ethnicity		
African American/Black	46%	54%
Caucasian/White	45%	55%
Respondent Time in the Vicinity		
5 years or less	39%	61%
6–10 years	53%	47%
11–15 years	39%	61%
16–20 years	31%	69%
More than 20 years	52%	48%
Respondent Education Level		
Some high school or less	36%	64%
High school graduate	36%	64%
Vocational or technical school	59%	41%
Some college	50%	50%
College graduate	55%	45%
Some graduate work	36%	64%
Master's degree	52%	48%
PhD degree	60%	40%
Household Income of the Family		
Under \$15,000	31%	69%
\$15,000 - \$25,000	45%	55%
\$25,000 - \$35,000	50%	50%
\$35,000 - \$50,000	33%	67%

15. Are you familiar with the emergency plan at your child(ren)'s school?

	Yes	No
\$50,000 - \$75,000	66%	34%
Over \$75,000	44%	56%
Respondents with Children in School (K-12)		
Yes	46%	54%
No	---	---
Household Member is a First Responder or Local EMA Employee		
Yes	62%	38%
No	44%	56%
Household Member is an Employee of the Arsenal or Contractor of the Arsenal		
Yes, work for Pine Bluff Arsenal	68%	32%
Yes, contractor of the Pine Bluff Arsenal	21%	79%
No	46%	54%
Received CSEPP Information		
Received information	52%	48%
Not received information	28%	72%
Read the Annual Arkansas Emergency Preparedness Calendar		
Yes	68%	32%
No, have not read it	53%	47%
No, have not received a calendar	36%	64%
Have Internet Access		
Yes	47%	53%
No	42%	58%
Have a Tone Alert Radio		
Yes	56%	44%

15. Are you familiar with the emergency plan at your child(ren)'s school?

	Yes	No
No	60%	40%
Confident in Ability to Shelter In Place		
Total confident	53%	47%
Total not confident	37%	63%
Trust and Control Category		
Participants	55%	45%
Believers	32%	68%
Watchdogs	45%	55%
Cynics	29%	71%

16. How confident are you that your child/children would be safe in the care of their school(s) in the event of a chemical emergency at the Pine Bluff Arsenal?^{84,85}

Table 78: Responses to Question 16

	Total confident	Total not confident
Total Sample	72%	28%
County and IRZ/PAZ		
Arkansas County PAZ	75%	25%
Cleveland County PAZ	100%	---
Dallas County PAZ	43%	57%
Grant County IRZ	81%	19%
Grant County PAZ	65%	35%
Jefferson County IRZ	68%	32%
Jefferson County PAZ	70%	30%
Lincoln County PAZ	38%	63%
Lonoke County PAZ	80%	20%
Pulaski County PAZ	71%	29%
Saline County PAZ	78%	22%
Respondent Age		
18–29	68%	32%
30–34	62%	38%
35–44	79%	21%
45–54	78%	22%

⁸⁴ In the November 2002 survey and the October 2003 IRZ survey, this question read: “How confident are you that your child/children would be safe *at their* school(s) in the event of a chemical emergency at the Pine Bluff Arsenal?” In April 2004, the Pine Bluff site decided to slightly modify the wording to this question.

⁸⁵ In August 2005, the “don’t know” category was removed. If respondents answered “don’t know” they were asked to choose the category that most closely reflected their opinion.

16. How confident are you that your child/children would be safe in the care of their school(s) in the event of a chemical emergency at the Pine Bluff Arsenal?

	Total confident	Total not confident
55–59	54%	46%
60–64	74%	26%
65+	66%	34%
Respondent Gender		
Male	75%	25%
Female	71%	29%
Respondent Ethnicity		
African American/Black	69%	31%
Caucasian/White	74%	26%
Respondent Time in the Vicinity		
5 years or less	63%	37%
6–10 years	85%	15%
11–15 years	76%	24%
16–20 years	44%	56%
More than 20 years	75%	25%
Respondent Education Level		
Some high school or less	76%	24%
High school graduate	73%	27%
Vocational or technical school	64%	36%
Some college	74%	26%
College graduate	71%	29%
Some graduate work	79%	21%
Master's degree	74%	26%
PhD degree	55%	45%

16. How confident are you that your child/children would be safe in the care of their school(s) in the event of a chemical emergency at the Pine Bluff Arsenal?

	Total confident	Total not confident
Household Income of the Family		
Under \$15,000	72%	28%
\$15,000 - \$25,000	72%	28%
\$25,000 - \$35,000	64%	36%
\$35,000 - \$50,000	83%	17%
\$50,000 - \$75,000	70%	30%
Over \$75,000	78%	22%
Respondents with Children in School (K-12)		
Yes	72%	28%
No (No respondent in this category)	---	---
Household Member is a First Responder or Local EMA Employee		
Yes	85%	15%
No	70%	30%
Household Member is an Employee of the Arsenal or Contractor of the Arsenal		
Yes, work for Pine Bluff Arsenal	85%	15%
Yes, contractor of the Pine Bluff Arsenal	39%	61%
No	73%	27%
Received CSEPP Information		
Received information	75%	25%
Not received information	64%	36%
Read the Annual Arkansas Emergency Preparedness Calendar		
Yes	75%	25%
No, have not read it	73%	27%
No, have not received a calendar	71%	29%

16. How confident are you that your child/children would be safe in the care of their school(s) in the event of a chemical emergency at the Pine Bluff Arsenal?

	Total confident	Total not confident
Have Internet Access		
Yes	70%	30%
No	81%	19%
Have a Tone Alert Radio		
Yes	78%	22%
No	57%	43%
Confident in Ability to Shelter In Place		
Total confident	82%	18%
Total not confident	60%	40%
Trust and Control Category		
Participants	84%	16%
Believers	51%	49%
Watchdogs	68%	32%
Cynics	56%	44%

17. In the event of a chemical emergency at the Pine Bluff Arsenal, are you likely or unlikely to go to the school to get your child/children?⁸⁶

Table 79: Responses to Question 17

	Likely to get kids	Not likely to get kids
Total Sample	75%	25%
County and IRZ/PAZ		
Arkansas County PAZ	100%	---
Cleveland County PAZ	57%	43%
Dallas County PAZ	71%	29%
Grant County IRZ	57%	43%
Grant County PAZ	70%	30%
Jefferson County IRZ	72%	28%
Jefferson County PAZ	70%	30%
Lincoln County PAZ	75%	25%
Lonoke County PAZ	93%	7%
Pulaski County PAZ	76%	24%
Saline County PAZ	81%	19%
Respondent Age		
18–29	75%	25%
30–34	86%	14%
35–44	82%	18%
45–54	70%	30%
55–59	68%	32%
60–64	26%	74%
65+	65%	35%

⁸⁶ In August 2005, the “don’t know” category was removed. If respondents answered “don’t know” they were asked to choose the category that most closely reflected their opinion.

17. In the event of a chemical emergency at the Pine Bluff Arsenal, are you likely or unlikely to go to the school to get your child/children?

	Likely to get kids	Not likely to get kids
Respondent Gender		
Male	69%	31%
Female	77%	23%
Respondent Ethnicity		
African American/Black	71%	29%
Caucasian/White	75%	25%
Respondent Time in the Vicinity		
5 years or less	85%	15%
6–10 years	69%	31%
11–15 years	73%	27%
16–20 years	62%	38%
More than 20 years	74%	26%
Respondent Education Level		
Some high school or less	67%	33%
High school graduate	75%	25%
Vocational or technical school	70%	30%
Some college	75%	25%
College graduate	74%	26%
Some graduate work	96%	4%
Master's degree	64%	36%
PhD degree	100%	---
Household Income of the Family		
Under \$15,000	91%	9%
\$15,000 - \$25,000	60%	40%
\$25,000 - \$35,000	62%	38%
\$35,000 - \$50,000	85%	15%

17. In the event of a chemical emergency at the Pine Bluff Arsenal, are you likely or unlikely to go to the school to get your child/children?

	Likely to get kids	Not likely to get kids
\$50,000 - \$75,000	62%	38%
Over \$75,000	80%	20%
Respondents with Children in School (K-12)		
Yes	75%	25%
No	---	---
Household Member is a First Responder or Local EMA Employee		
Yes	51%	49%
No	78%	22%
Household Member is an Employee of the Arsenal or Contractor of the Arsenal		
Yes, work for Pine Bluff Arsenal	58%	42%
Yes, contractor of the Pine Bluff Arsenal	72%	28%
No	76%	24%
Received CSEPP Information		
Received information	73%	27%
Not received information	79%	21%
Read the Annual Arkansas Emergency Preparedness Calendar		
Yes	65%	35%
No, have not read it	61%	39%
No, have not received a calendar	80%	20%
Have Internet Access		
Yes	75%	25%
No	74%	26%
Have a Tone Alert Radio		
Yes	69%	31%

17. In the event of a chemical emergency at the Pine Bluff Arsenal, are you likely or unlikely to go to the school to get your child/children?

	Likely to get kids	Not likely to get kids
No	72%	28%
Confident in Ability to Shelter In Place		
Total confident	67%	33%
Total not confident	85%	15%
Trust and Control Category		
Participants	73%	27%
Believers	67%	33%
Watchdogs	80%	20%
Cynics	89%	11%

17b. Would you pick up your children immediately or when notified that it is safe to do so?⁸⁷

Note: The responses in this table are provided for all respondents who are parents of children in local schools grades K–12 and not just the respondents who answered this question.

Table 80: Responses to Question 17b

	Likely to go to children's school immediately	Likely to go to children's school when notified it is safe to do so	Not likely to go to children's school
Total Sample	47%	28%	25%
County and IRZ/PAZ			
Arkansas County PAZ	50%	50%	---
Cleveland County PAZ	43%	14%	43%
Dallas County PAZ	43%	29%	29%
Grant County IRZ	33%	24%	43%
Grant County PAZ	50%	20%	30%
Jefferson County IRZ	43%	28%	28%
Jefferson County PAZ	43%	26%	30%
Lincoln County PAZ	75%	---	25%
Lonoke County PAZ	67%	27%	7%
Pulaski County PAZ	53%	24%	24%
Saline County PAZ	43%	38%	19%
Respondent Age			
18–29	57%	18%	25%
30–34	51%	35%	14%
35–44	57%	26%	18%

⁸⁷ The Pine Bluff site added this question in August 2005.

17b. Would you pick up your children immediately or when notified that it is safe to do so?

	Likely to go to children's school immediately	Likely to go to children's school when notified it is safe to do so	Not likely to go to children's school
45–54	34%	36%	30%
55–59	47%	21%	32%
60–64	---	26%	74%
65+	33%	32%	35%
Respondent Gender			
Male	46%	23%	31%
Female	47%	30%	23%
Respondent Ethnicity			
African American/Black	40%	31%	29%
Caucasian/White	51%	25%	25%
Respondent Time in the Vicinity			
5 years or less	55%	30%	15%
6–10 years	41%	28%	31%
11–15 years	50%	23%	27%
16–20 years	41%	20%	38%
More than 20 years	44%	30%	26%
Respondent Education Level			
Some high school or less	56%	10%	33%
High school graduate	45%	30%	25%
Vocational or technical school	23%	47%	30%
Some college	47%	29%	25%
College graduate	55%	19%	26%
Some graduate work	75%	21%	4%

17b. Would you pick up your children immediately or when notified that it is safe to do so?

	Likely to go to children's school immediately	Likely to go to children's school when notified it is safe to do so	Not likely to go to children's school
Master's degree	21%	43%	36%
PhD degree	66%	34%	---
Household Income of the Family			
Under \$15,000	61%	30%	9%
\$15,000 – <\$25,000	35%	25%	40%
\$25,000 – <\$35,000	39%	22%	38%
\$35,000 – <\$50,000	52%	33%	15%
\$50,000 – <\$75,000	29%	34%	38%
Over \$75,000	52%	29%	20%
Respondents with Children in School (K-12)			
Yes	47%	28%	25%
No	---	---	---
Household Member is a First Responder or Local EMA Employee			
Yes	39%	12%	49%
No	48%	31%	22%
Household Member is an Employee of the Arsenal or Contractor of the Arsenal			
Yes, work for Pine Bluff Arsenal	36%	22%	42%
Yes, contractor of the Pine Bluff Arsenal	52%	20%	28%
No	47%	29%	24%
Received CSEPP Information			
Received information	46%	27%	27%
Not received information	47%	32%	21%

17b. Would you pick up your children immediately or when notified that it is safe to do so?

	Likely to go to children's school immediately	Likely to go to children's school when notified it is safe to do so	Not likely to go to children's school
Read the Annual Arkansas Emergency Preparedness Calendar			
Yes	42%	23%	35%
No, have not read it	28%	32%	39%
No, have not received a calendar	50%	30%	20%
Have Internet Access			
Yes	47%	28%	25%
No	47%	27%	26%
Have a Tone Alert Radio			
Yes	38%	30%	31%
No	48%	25%	28%
Confident in Ability to Shelter In Place			
Total confident	41%	25%	33%
Total not confident	53%	32%	15%
Trust and Control Category			
Participants	41%	33%	27%
Believers	53%	13%	33%
Watchdogs	64%	16%	20%
Cynics	48%	41%	11%

18. Why do you say that?^{88,89}

Will Get Children Immediately

Note: Percentages in the table pertain to the parents who said they would get their children immediately and do not pertain to all parents.

Table 81: Responses to Question 18

	Child(ren) are safer with me	I want my child(ren) with me (general)
Total Sample	54%	33%
County and IRZ/PAZ		
Arkansas County PAZ	---	---
Cleveland County PAZ	33%	33%
Dallas County PAZ	67%	67%
Grant County IRZ	14%	71%
Grant County PAZ	50%	50%
Jefferson County IRZ	43%	40%
Jefferson County PAZ	55%	20%
Lincoln County PAZ	67%	17%
Lonoke County PAZ	60%	40%
Pulaski County PAZ	67%	33%
Saline County PAZ	56%	38%
Respondent Age		
18–29	74%	35%
30–34	63%	26%
35–44	53%	37%
45–54	40%	28%

⁸⁸ Multiple responses were accepted for this question.

⁸⁹ Due to the addition of question 17b, the responses to this question are no longer comparable with historical data.

18. Why do you say that?

	Child(ren) are safer with me	I want my child(ren) with me (general)
55–59	50%	51%
60–64	41%	13%
65+	74%	35%
Respondent Gender		
Male	52%	34%
Female	55%	33%
Respondent Ethnicity		
African American/Black	53%	33%
Caucasian/White	54%	32%
Respondent Time in the Vicinity		
5 years or less	46%	37%
6–10 years	61%	45%
11–15 years	64%	36%
16–20 years	12%	22%
More than 20 years	60%	30%
Respondent Education Level		
Some high school or less	18%	32%
High school graduate	55%	31%
Vocational or technical school	100%	95%
Some college	62%	39%
College graduate	52%	26%
Some graduate work	20%	---
Master's degree	19%	39%
PhD degree	83%	44%

	Child(ren) are safer with me	I want my child(ren) with me (general)
Household Income of the Family		
Under \$15,000	65%	8%
\$15,000 – <\$25,000	54%	41%
\$25,000 – <\$35,000	71%	81%
\$35,000 – <\$50,000	39%	37%
\$50,000 – <\$75,000	70%	11%
Over \$75,000	50%	23%
Respondents with Children in School (K–12)		
Yes	54%	33%
No	---	---
Household Member is a First Responder or Local EMA Employee		
Yes	75%	44%
No	51%	32%
Household Member is an Employee of the Arsenal or Contractor of the Arsenal		
Yes, work for Pine Bluff Arsenal	30%	36%
Yes, contractor of the Pine Bluff Arsenal	18%	56%
No	57%	32%
Received CSEPP Information		
Received information	58%	30%
Not received information	40%	44%
Read the Annual Arkansas Emergency Preparedness Calendar		
Yes	58%	38%
No, have not read it	65%	38%

18. Why do you say that?

	Child(ren) are safer with me	I want my child(ren) with me (general)
No, have not received a calendar	52%	32%
Have Internet Access		
Yes	52%	35%
No	62%	27%
Have a Tone Alert Radio		
Yes	46%	43%
No	35%	41%
Confident in Ability to Shelter In Place		
Total confident	55%	42%
Total not confident	52%	25%
Trust and Control Category		
Participants	59%	38%
Believers	45%	24%
Watchdogs	57%	48%
Cynics	45%	17%

Will Get Children When Notified It Is Safe To Do So

A cross tabulation table for this part of the question and question 18b is not included in this document due to the small sample size (less than 30 respondents) of each response category for these questions.

19. When was the last time you heard, saw, or read any information about how to prepare for a chemical emergency?⁹⁰

Table 82: Responses to Question 19

	Total that have received CSEPP information	Total that have not received CSEPP information	Last week	Don't recall receiving CSEPP information	Never	Last month	Last year	More than a year
Total Sample	69%	31%	28%	16%	15%	14%	14%	12%
County and IRZ/PAZ								
Arkansas County PAZ	57%	43%	7%	23%	20%	7%	13%	30%
Cleveland County PAZ	55%	45%	6%	29%	16%	23%	13%	13%
Dallas County PAZ	52%	48%	23%	19%	29%	16%	10%	3%
Grant County IRZ	75%	25%	31%	18%	7%	9%	25%	9%
Grant County PAZ	70%	30%	29%	19%	11%	22%	10%	9%
Jefferson County IRZ	78%	22%	43%	16%	6%	14%	14%	7%
Jefferson County PAZ	77%	23%	34%	11%	12%	16%	15%	13%
Lincoln County PAZ	73%	27%	19%	8%	19%	11%	16%	27%
Lonoke County PAZ	64%	36%	21%	21%	15%	9%	21%	13%
Pulaski County PAZ	56%	44%	25%	21%	23%	16%	5%	9%
Saline County PAZ	63%	37%	21%	18%	19%	11%	16%	15%
Respondent Age								
18–29	79%	21%	34%	9%	12%	19%	14%	12%
30–34	67%	33%	17%	10%	23%	19%	19%	12%
35–44	78%	22%	40%	9%	14%	14%	15%	9%
45–54	73%	27%	29%	16%	10%	19%	16%	10%

⁹⁰ In April 2004, the categories “Don’t recall receiving CSEPP information” and “Have received CSEPP information but don’t recall when it was received” were added to this question to further clarify the “don’t know” responses.

19. When was the last time you heard, saw, or read any information about how to prepare for a chemical emergency?

	Total that have received CSEPP information	Total that have not received CSEPP information	Last week	Don't recall receiving CSEPP information	Never	Last month	Last year	More than a year
55–59	69%	31%	26%	17%	14%	16%	15%	12%
60–64	71%	29%	23%	18%	11%	16%	18%	14%
65+	62%	38%	26%	20%	18%	9%	11%	15%
Respondent Gender								
Male	73%	27%	27%	13%	14%	18%	13%	15%
Female	68%	32%	29%	17%	15%	13%	15%	11%
Respondent Ethnicity								
African American/Black	69%	31%	26%	15%	15%	15%	15%	13%
Caucasian/White	71%	29%	26%	15%	15%	15%	15%	13%
Respondent Time in the Vicinity								
5 years or less	60%	40%	26%	17%	23%	14%	13%	8%
6–10 years	71%	29%	28%	14%	15%	16%	17%	11%
11–15 years	75%	25%	29%	12%	13%	19%	17%	11%
16–20 years	74%	26%	30%	19%	8%	7%	12%	25%
More than 20 years	70%	30%	29%	17%	13%	15%	14%	12%
Respondent Education Level								
Some high school or less	43%	57%	15%	30%	27%	6%	9%	14%
High school graduate	64%	36%	29%	19%	16%	11%	14%	10%
Vocational or technical school	69%	31%	26%	10%	21%	9%	17%	18%
Some college	79%	21%	32%	12%	9%	19%	15%	13%
College graduate	79%	21%	33%	13%	8%	22%	10%	14%
Some graduate work	88%	12%	27%	---	12%	4%	41%	17%
Master's degree	77%	23%	31%	11%	12%	16%	24%	6%

19. When was the last time you heard, saw, or read any information about how to prepare for a chemical emergency?

	Total that have received CSEPP information	Total that have not received CSEPP information	Last week	Don't recall receiving CSEPP information	Never	Last month	Last year	More than a year
PhD degree	86%	14%	31%	7%	7%	26%	18%	11%
Household Income of the Family								
Under \$15,000	60%	40%	29%	20%	20%	12%	9%	10%
\$15,000 – <\$25,000	59%	41%	22%	21%	20%	13%	10%	14%
\$25,000 – <\$35,000	74%	26%	26%	14%	12%	16%	16%	16%
\$35,000 – <\$50,000	73%	27%	30%	18%	9%	14%	16%	13%
\$50,000 – <\$75,000	82%	18%	35%	9%	9%	17%	17%	12%
Over \$75,000	80%	20%	35%	9%	11%	16%	17%	12%
Respondents with Children in School (K–12)								
Yes	76%	24%	35%	12%	11%	14%	16%	11%
No	67%	33%	26%	17%	15%	15%	14%	13%
Household Member is a First Responder or Local EMA Employee								
Yes	76%	24%	41%	7%	16%	11%	15%	10%
No	69%	31%	27%	17%	14%	15%	14%	13%
Household Member is an Employee of the Arsenal or Contractor of the Arsenal								
Yes, work for Pine Bluff Arsenal	85%	15%	51%	12%	3%	12%	15%	7%
Yes, contractor of the Pine Bluff Arsenal	68%	32%	29%	23%	9%	15%	9%	15%
No	69%	31%	27%	16%	15%	15%	14%	12%
Received CSEPP Information								
Received information	100%	0%	51%	12%	3%	12%	15%	7%
Not received information	0%	100%	29%	23%	9%	15%	9%	15%
Read the Annual Arkansas Emergency Preparedness Calendar								
Yes	87%	13%	45%	10%	3%	17%	16%	9%

19. When was the last time you heard, saw, or read any information about how to prepare for a chemical emergency?

	Total that have received CSEPP information	Total that have not received CSEPP information	Last week	Don't recall receiving CSEPP information	Never	Last month	Last year	More than a year
No, have not read it	71%	29%	26%	22%	7%	18%	17%	10%
No, have not received a calendar	63%	37%	23%	18%	19%	13%	13%	14%
Have Internet Access								
Yes	75%	25%	31%	13%	12%	16%	17%	11%
No	59%	41%	24%	22%	19%	11%	10%	14%
Have a Tone Alert Radio								
Yes	79%	21%	47%	16%	5%	16%	13%	3%
No	75%	25%	38%	17%	8%	11%	15%	12%
Confident in Ability to Shelter In Place								
Total confident	75%	25%	33%	14%	11%	17%	17%	9%
Total not confident	61%	39%	23%	19%	19%	10%	11%	17%
Trust and Control Category								
Participants	78%	22%	32%	14%	8%	19%	17%	9%
Believers	62%	38%	28%	19%	19%	6%	12%	16%
Watchdogs	65%	35%	26%	20%	16%	13%	11%	15%
Cynics	50%	50%	14%	17%	33%	11%	7%	18%

20. How have you received information about how to prepare for a chemical emergency?^{91,92}

Note: The table below shows the percentages of the total sample of respondents, not just those respondents who have received CSEPP information. The table also includes several summaries of the individual responses to the survey. A description of the individual responses included in each summary category is provided below.

- The column for “Total responses for outreach materials” includes responses for calendar, informational package/kit, informational pamphlet/flier, Internet, and phonebook

The column for “Total responses for media” includes AM/FM radio, Billboard, newspaper, television, magazine, and media/news responses.

Table 83: Responses to Question 20

	Total responses for media	Television	Total responses for outreach materials	AM/FM radio	Mail	Newspaper	Calendar	Work/Training/military	Informational pamphlet/flyer	Internet/Computer	Word-of-mouth	Community event/ Fair/ Booth/ Meetings	TAR
Total Sample	46%	39%	23%	10%	9%	7%	6%	6%	5%	5%	3%	3%	2%
County and IRZ/PAZ													
Arkansas County PAZ	50%	43%	10%	---	---	7%	10%	3%	---	---	3%	3%	---
Cleveland County PAZ	39%	32%	16%	6%	6%	6%	---	6%	3%	6%	10%	3%	---
Dallas County PAZ	32%	29%	13%	6%	3%	---	3%	10%	3%	3%	---	3%	---
Grant County IRZ	40%	36%	33%	2%	9%	4%	11%	9%	9%	4%	4%	9%	4%

⁹¹ In November 2002, this question was an aided yes/no question with the following wording: “Did you receive this information by...” In order to collect more detailed information, this question was changed to be open-ended in October 2003.

⁹² Multiple responses were accepted for this question.

20. How have you received information about how to prepare for a chemical emergency?

	Total responses for media	Television	Total responses for outreach materials	AM/FM radio	Mail	Newspaper	Calendar	Work/Training/military	Informational pamphlet/flyer	Internet/Computer	Word-of-mouth	Community event/ Fair/ Booth/ Meetings	TAR
Grant County PAZ	46%	38%	32%	17%	17%	7%	3%	7%	11%	6%	35	2%	2%
Jefferson County IRZ	47%	40%	41%	14%	18%	7%	13%	7%	11%	8%	5%	4%	9%
Jefferson County PAZ	46%	39%	28%	12%	8%	9%	12%	9%	6%	5%	2%	6%	2%
Lincoln County PAZ	51%	35%	11%	8%	8%	16%	3%	5%	3%	---	3%	8%	---
Lonoke County PAZ	47%	38%	9%	8%	---	8%	---	4%	4%	4%	8%	2%	---
Pulaski County PAZ	45%	42%	12%	6%	4%	4%	---	1%	1%	6%	3%	2%	1%
Saline County PAZ	46%	38%	13%	7%	6%	7%		6%	3%	5%	2%	1%	1%
Respondent Age													
18–29	37%	33%	39%	9%	13%	2%	10%	11%	3%	15%	2%	5%	2%
30–34	30%	26%	28%	9%	3%	2%	11%	4%	9%	11%	4%	1%	1%
35–44	57%	42%	22%	16%	8%	7%	4%	6%	4%	7%	3%	4%	5%
45–54	49%	42%	29%	12%	13%	5%	6%	8%	9%	8%	2%	2%	1%
55–59	43%	39%	31%	6%	11%	7%	9%	6%	7%	5%	3%	2%	2%
60–64	49%	41%	23%	11%	8%	13%	8%	10%	7%	2%	3%	4%	6%
65+	45%	38%	12%	8%	6%	10%	4%	4%	3%	0%	4%	4%	2%

20. How have you received information about how to prepare for a chemical emergency?

	Total responses for media	Television	Total responses for outreach materials	AM/FM radio	Mail	Newspaper	Calendar	Work/Training/military	Informational pamphlet/flyer	Internet/Computer	Word-of-mouth	Community event/ Fair/ Booth/ Meetings	TAR
Respondent Gender													
Male	48%	38%	21%	16%	8%	8%	5%	11%	6%	6%	2%	3%	2%
Female	45%	39%	23%	8%	9%	7%	7%	5%	5%	5%	4%	4%	3%
Respondent Ethnicity													
African American/Black	43%	39%	28%	9%	10%	4%	10%	7%	6%	4%	2%	3%	2%
Caucasian/White	47%	39%	22%	11%	8%	9%	5%	5%	5%	6%	4%	4%	2%
Respondent Time in the Vicinity													
5 years or less	37%	30%	18%	11%	4%	2%	4%	5%	3%	8%	2%	3%	2%
6–10 years	39%	33%	27%	11%	8%	6%	10%	14%	4%	10%	4%	2%	3%
11–15 years	48%	41%	30%	10%	9%	8%	8%	3%	9%	10%	2%	3%	3%
16–20 years	48%	46%	26%	3%	18%	6%	6%	12%	3%	1%	0%	2%	2%
More than 20 years	49%	41%	21%	10%	9%	10%	6%	5%	6%	3%	4%	4%	2%
Respondent Education Level													
Some high school or less	31%	29%	11%	4%	5%	3%	4%	1%	3%		5%	2%	1%
High school graduate	45%	41%	18%	8%	7%	7%	5%	4%	4%	1%	3%	1%	2%
Vocational or technical school	53%	39%	23%	15%	11%	5%	5%	4%	---	3%	3%	1%	6%

20. How have you received information about how to prepare for a chemical emergency?

	Total responses for media	Television	Total responses for outreach materials	AM/FM radio	Mail	Newspaper	Calendar	Work/Training/military	Informational pamphlet/flyer	Internet/Computer	Word-of-mouth	Community event/ Fair/ Booth/ Meetings	TAR
Some college	51%	43%	28%	11%	10%	9%	8%	10%	6%	8%	3%	5%	3%
College graduate	52%	39%	29%	13%	6%	7%	7%	10%	8%	7%	2%	4%	3%
Some graduate work	50%	37%	29%	17%	17%	17%	9%	3%	8%	9%	2%	10%	---
Master's degree	45%	38%	28%	13%	15%	6%	8%	10%	6%	---	1%	7%	3%
PhD degree	47%	34%	43%	11%	24%	16%	7%	4%	7%	4%	---	7%	4%
Household Income of the Family													
Under \$15,000	42%	39%	13%	8%	5%	5%	5%	4%	3%	1%	3%	4%	2%
\$15,000 – <\$25,000	42%	35%	20%	13%	8%	6%	7%	3%	7%	3%	7%	3%	5%
\$25,000 – <\$35,000	46%	39%	26%	8%	9%	9%	8%	7%	7%	5%	3%	3%	3%
\$35,000 – <\$50,000	49%	40%	24%	11%	7%	7%	10%	8%	4%	7%	2%	3%	1%
\$50,000 – <\$75,000	55%	46%	32%	12%	10%	8%	5%	9%	8%	9%	2%	7%	2%
Over \$75,000	52%	41%	26%	15%	9%	8%	3%	4%	5%	11%	3%	4%	2%
Respondents with Children in School (K–12)													
Yes	46%	37%	28%	12%	8%	5%	8%	10%	7%	8%	3%	3%	3%
No	46%	39%	21%	9%	9%	8%	6%	6%	5%	4%	3%	3%	2%

20. How have you received information about how to prepare for a chemical emergency?

	Total responses for media	Television	Total responses for outreach materials	AM/FM radio	Mail	Newspaper	Calendar	Work/Training/military	Informational pamphlet/flyer	Internet/Computer	Word-of-mouth	Community event/ Fair/ Booth/ Meetings	TAR
Household Member is a First Responder or Local EMA Employee													
Yes	50%	40%	28%	14%	7%	10%	5%	15%	4%	13%	2%	3%	6%
No	46%	39%	22%	10%	9%	7%	6%	6%	6%	4%	3%	3%	2%
Household Member is an Employee of the Arsenal or Contractor of the Arsenal													
Yes, work for Pine Bluff Arsenal	57%	42%	39%	24%	22%	5%	8%	7%	10%	8%	8%	7%	4%
Yes, contractor of the Pine Bluff Arsenal	50%	39%	16%	11%	4%	12%	5%	8%	1%	6%	6%	1%	6%
No	45%	39%	22%	9%	8%	7%	6%	6%	5%	5%	3%	3%	2%
Received CSEPP Information													
Received information	66%	56%	33%	14%	12%	11%	9%	9%	8%	7%	4%	5%	3%
Not received information	---	---	---	---	---	---	---	---	---	---	---	---	---
Read the Annual Arkansas Emergency Preparedness Calendar													
Yes	45%	38%	52%	18%	18%	9%	24%	9%	13%	6%	3%	7%	6%
No, have not read it	44%	41%	22%	9%	10%	3%	3%	8%	7%	6%	6%	8%	5%
No, have not received a calendar	46%	39%	13%	7%	5%	7%	0%	5%	3%	5%	3%	2%	1%
Have Internet Access													
Yes	48%	40%	26%	12%	8%	7%	7%	8%	6%	8%	2%	4%	2%

20. How have you received information about how to prepare for a chemical emergency?

	Total responses for media	Television	Total responses for outreach materials	AM/FM radio	Mail	Newspaper	Calendar	Work/Training/military	Informational pamphlet/flyer	Internet/Computer	Word-of-mouth	Community event/ Fair/ Booth/ Meetings	TAR
No	43%	37%	17%	7%	9%	9%	5%	4%	5%	0%	5%	2%	3%
Have a Tone Alert Radio													
Yes	46%	36%	52%	14%	24%	9%	20%	4%	12%	9%	6%	3%	15%
No	47%	43%	29%	11%	10%	5%	6%	10%	9%	6%	4%	5%	2%
Confident in Ability to Shelter In Place													
Total confident	48%	40%	27%	12%	9%	8%	8%	8%	6%	7%	4%	4%	4%
Total not confident	43%	37%	18%	7%	8%	7%	4%	4%	4%	2%	2%	2%	1%
Trust and Control Category													
Participants	52%	43%	27%	13%	10%	9%	7%	8%	6%	7%	3%	4%	4%
Believers	43%	37%	17%	9%	6%	6%	6%	4%	4%	2%	5%	2%	1%
Watchdogs	34%	30%	24%	5%	13%	5%	4%	5%	6%	6%	3%	2%	0%
Cynics	33%	30%	13%	4%	4%	6%	4%	5%	3%	3%	0%	4%	1%

21. What do you remember from what you heard, saw, or read?⁹³

NOTE: The table below shows the percentages of the total sample of respondents, not just those respondents who have received CSEPP information.

Table 84: Responses to Question 21

	Evacuation route	General instructions or information on what's best to do	Be prepared	Evacuation plan/Told to evacuate	Evacuation directions	Follow instructions	Evacuation zones	Food/Water storage	Get emergency supplies ready	Be alert	Don't remember	Shelter in place	Listen to TAR	Other	Chemical agents/gases	Shelter-in-place kit	Drills/Tests	Phone and website information	
Total Sample	24%	18%	17%	16%	15%	13%	10%	9%	8%	6%	6%	4%	4%	4%	3%	3%	3%	3%	
County and IRZ/PAZ																			
Arkansas County PAZ	13%	7%	17%	17%	13%	3%	3%	---	3%	7%	10%	---	3%	7%	---	---	---	---	
Cleveland County PAZ	26%	13%	16%	19%	16%	23%	6%	6%	6%	3%	3%	6%	3%	---	3%	3%	6%	---	
Dallas County PAZ	19%	10%	3%	3%	3%	3%	3%	6%	6%	---	---	3%	3%	10%	---	---	3%	3%	
Grant County IRZ	29%	16%	9%	18%	18%	4%	7%	2%	2%	2%	4%	4%	7%	4%	---	2%	2%	4%	
Grant County PAZ	32%	11%	21%	16%	17%	18%	11%	9%	7%	6%	6%	3%	7%	---	8%	2%	8%	3%	
Jefferson County IRZ	32%	20%	21%	26%	26%	17%	16%	11%	12%	8%	6%	4%	8%	3%	4%	5%	7%	4%	
Jefferson County PAZ	34%	22%	20%	18%	20%	14%	15%	9%	8%	8%	7%	4%	6%	5%	3%	3%	4%	3%	
Lincoln County PAZ	14%	22%	22%	22%	8%	19%	5%	19%	5%	5%	5%	3%	---	8%	5%	5%	3%	3%	

⁹³ Multiple responses were accepted for this question.

21. What do you remember from what you heard, saw, or read?

	Evacuation route	General instructions or information on what's best to do	Be prepared	Evacuation plan/Told to evacuate	Evacuation directions	Follow instructions	Evacuation zones	Food/Water storage	Get emergency supplies ready	Be alert	Don't remember	Shelter in place	Listen to TAR	Other	Chemical agents/gases	Shelter-in-place kit	Drills/Tests	Phone and website information
Lonoke County PAZ	19%	13%	21%	9%	8%	17%	4%	6%	6%	---	8%	2%	4%	4%	4%	---	2%	4%
Pulaski County PAZ	17%	19%	15%	14%	11%	13%	5%	6%	9%	3%	1%	1%	---	2%	1%	2%	---	5%
Saline County PAZ	11%	15%	11%	9%	7%	9%	4%	9%	9%	4%	9%	5%	2%	7%	3%	2%	1%	2%
Respondent Age																		
18–29	32%	15%	8%	19%	15%	10%	8%	8%	9%	6%	7%	5%	6%	6%	10%	1%	2%	8%
30–34	24%	19%	19%	10%	9%	19%	8%	6%	4%	1%	12%	4%	3%	---	3%	1%	5%	1%
35–44	30%	32%	22%	19%	19%	16%	14%	10%	18%	4%	4%	4%	4%	4%	3%	4%	4%	5%
45–54	27%	24%	20%	21%	17%	13%	8%	11%	10%	7%	4%	4%	5%	6%	2%	4%	4%	4%
55–59	27%	17%	13%	13%	17%	15%	12%	8%	9%	5%	4%	3%	8%	5%	4%	1%	3%	2%
60–64	23%	13%	18%	16%	15%	14%	14%	14%	8%	9%	9%	2%	6%	6%	6%	6%	6%	2%
65+	19%	12%	18%	13%	13%	12%	8%	7%	5%	5%	8%	5%	3%	3%	2%	1%	2%	2%
Respondent Gender																		
Male	30%	20%	12%	18%	17%	15%	12%	7%	6%	3%	7%	4%	5%	6%	7%	2%	4%	3%
Female	22%	17%	19%	15%	14%	13%	9%	10%	10%	7%	6%	4%	4%	4%	2%	3%	3%	3%

21. What do you remember from what you heard, saw, or read?

	Evacuation route	General instructions or information on what's best to do	Be prepared	Evacuation plan/Told to evacuate	Evacuation directions	Follow instructions	Evacuation zones	Food/Water storage	Get emergency supplies ready	Be alert	Don't remember	Shelter in place	Listen to TAR	Other	Chemical agents/gases	Shelter-in-place kit	Drills/Tests	Phone and website information
Respondent Ethnicity																		
African American/Black	25%	19%	16%	18%	17%	12%	11%	6%	8%	5%	7%	3%	6%	5%	4%	3%	2%	4%
Caucasian/White	24%	18%	18%	15%	15%	14%	10%	10%	9%	6%	6%	4%	4%	4%	3%	3%	4%	3%
Respondent Time in the Vicinity																		
5 years or less	20%	14%	9%	13%	11%	10%	8%	7%	6%	4%	6%	4%	1%	6%	3%	2%	2%	3%
6–10 years	23%	20%	15%	13%	13%	15%	7%	8%	10%	10%	7%	4%	7%	8%	7%	3%	5%	4%
11–15 years	31%	20%	12%	21%	28%	11%	11%	5%	6%	2%	4%	0%	2%	4%	4%	2%	0%	4%
16–20 years	17%	16%	21%	21%	12%	16%	9%	12%	11%	6%	8%	8%	6%	3%	---	5%	3%	3%
More than 20 years	26%	19%	20%	16%	14%	14%	11%	10%	9%	6%	6%	4%	5%	3%	3%	2%	4%	2%
Respondent Education Level																		
Some high school or less	16%	10%	14%	8%	9%	7%	5%	3%	1%	3%	8%	0%	---	3%	1%	1%	1%	2%
High school graduate	21%	16%	16%	13%	14%	11%	8%	10%	7%	4%	7%	2%	4%	3%	3%	1%	3%	4%
Vocational or technical school	27%	17%	10%	18%	14%	21%	11%	21%	18%	2%	6%	1%	6%	3%	2%	4%	3%	---
Some college	29%	21%	22%	18%	16%	17%	12%	11%	12%	10%	3%	6%	7%	5%	6%	3%	3%	2%
College graduate	26%	24%	18%	20%	17%	15%	9%	7%	10%	5%	7%	5%	5%	4%	4%	4%	3%	5%

21. What do you remember from what you heard, saw, or read?

	Evacuation route	General instructions or information on what's best to do	Be prepared	Evacuation plan/Told to evacuate	Evacuation directions	Follow instructions	Evacuation zones	Food/Water storage	Get emergency supplies ready	Be alert	Don't remember	Shelter in place	Listen to TAR	Other	Chemical agents/gases	Shelter-in-place kit	Drills/Tests	Phone and website information	
Some graduate work	29%	23%	25%	20%	8%	29%	12%	5%	13%	10%	---	13%	7%	---	---	2%	---	---	
Master's degree	39%	10%	17%	20%	19%	8%	19%	9%	6%	5%	8%	6%	5%	12%	3%	3%	6%	4%	
PhD degree	17%	27%	6%	17%	31%	18%	17%	2%	2%	---	10%	9%	2%	11%	15%	7%	---	---	
Household Income of the Family																			
Under \$15,000	16%	16%	18%	13%	12%	12%	5%	7%	7%	6%	4%	4%	4%	5%	2%	1%	2%	5%	
\$15,000 – <\$25,000	22%	11%	14%	17%	17%	12%	8%	8%	8%	2%	6%	3%	1%	1%	3%	1%	1%	2%	
\$25,000 – <\$35,000	24%	24%	11%	18%	15%	17%	10%	12%	9%	4%	9%	4%	2%	3%	2%	4%	5%	2%	
\$35,000 – <\$50,000	30%	18%	21%	23%	17%	14%	13%	11%	8%	8%	8%	4%	11%	6%	4%	4%	6%	2%	
\$50,000 – <\$75,000	34%	23%	15%	17%	20%	12%	14%	6%	12%	5%	6%	6%	4%	5%	2%	2%	0%	3%	
Over \$75,000	27%	26%	19%	15%	13%	19%	10%	8%	10%	3%	4%	7%	5%	5%	8%	4%	5%	5%	
Respondents with Children in School (K–12)																			
Yes	27%	25%	16%	21%	16%	16%	14%	9%	11%	4%	6%	4%	7%	6%	5%	4%	5%	4%	
No	24%	16%	18%	14%	15%	13%	8%	9%	8%	6%	7%	4%	4%	4%	3%	2%	3%	3%	
Household Member is a First Responder or Local EMA Employee																			
Yes	35%	24%	21%	22%	21%	10%	17%	10%	10%	8%	7%	4%	5%	5%	4%	5%	9%	1%	

21. What do you remember from what you heard, saw, or read?

	Evacuation route	General instructions or information on what's best to do	Be prepared	Evacuation plan/Told to evacuate	Evacuation directions	Follow instructions	Evacuation zones	Food/Water storage	Get emergency supplies ready	Be alert	Don't remember	Shelter in place	Listen to TAR	Other	Chemical agents/gases	Shelter-in-place kit	Drills/Tests	Phone and website information	
No	23%	18%	17%	15%	14%	10%	9%	9%	8%	5%	6%	4%	4%	4%	3%	2%	3%	3%	
Household Member is an Employee of the Arsenal or Contractor of the Arsenal																			
Yes, work for Pine Bluff Arsenal	48%	26%	25%	30%	37%	22%	21%	17%	9%	17%	5%	4%	2%	2%	4%	7%	10%	3%	
Yes, contractor of the Pine Bluff Arsenal	25%	22%	21%	19%	21%	21%	4%	13%	14%	12%	6%	5%	2%	3%	---	6%	4%	---	
No	23%	17%	17%	15%	13%	12%	10%	8%	8%	5%	7%	4%	5%	4%	4%	2%	3%	3%	
Received CSEPP Information																			
Received information	35%	26%	25%	23%	21%	19%	14%	13%	12%	8%	9%	6%	6%	6%	5%	4%	4%	4%	
Not received information	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Read the Annual Arkansas Emergency Preparedness Calendar																			
Yes	42%	28%	28%	27%	28%	20%	20%	12%	12%	9%	4%	6%	7%	4%	4%	5%	9%	2%	
No, have not read it	32%	22%	22%	20%	26%	16%	11%	9%	10%	11%	6%	7%	5%	6%	2%	2%	6%	2%	
No, have not received a calendar	17%	14%	13%	11%	9%	11%	6%	8%	7%	4%	7%	3%	3%	4%	3%	2%	1%	4%	
Have Internet Access																			
Yes	26%	19%	18%	18%	15%	14%	10%	9%	9%	6%	6%	5%	6%	5%	4%	3%	4%	4%	

21. What do you remember from what you heard, saw, or read?

	Evacuation route	General instructions or information on what's best to do	Be prepared	Evacuation plan/Told to evacuate	Evacuation directions	Follow instructions	Evacuation zones	Food/Water storage	Get emergency supplies ready	Be alert	Don't remember	Shelter in place	Listen to TAR	Other	Chemical agents/gases	Shelter-in-place kit	Drills/Tests	Phone and website information	
No	22%	17%	17%	12%	14%	12%	9%	8%	7%	5%	7%	2%	2%	2%	2%	1%	1%	2%	
Have a Tone Alert Radio																			
Yes	33%	23%	21%	30%	29%	18%	19%	11%	12%	7%	3%	3%	12%	4%	2%	4%	6%	3%	
No	30%	17%	20%	20%	22%	14%	10%	9%	10%	9%	9%	6%	4%	3%	6%	4%	6%	4%	
Confident in Ability to Shelter In Place																			
Total confident	30%	21%	20%	19%	18%	17%	12%	9%	10%	7%	6%	3%	5%	5%	4%	3%	4%	2%	
Total not confident	16%	14%	14%	12%	10%	9%	7%	8%	7%	4%	7%	5%	3%	4%	2%	2%	2%	4%	
Trust and Control Category																			
Participants	31%	22%	19%	17%	17%	17%	12%	10%	9%	7%	8%	3%	6%	5%	4%	3%	5%	3%	
Believers	14%	15%	18%	14%	10%	10%	6%	8%	9%	3%	5%	5%	2%	2%	2%	1%	1%	4%	
Watchdogs	24%	18%	18%	18%	16%	11%	8%	6%	8%	6%	4%	6%	4%	4%	5%	1%	2%	1%	
Cynics	16%	6%	7%	9%	12%	6%	7%	7%	5%	2%	4%	3%	3%	5%	2%	3%	---	3%	

Additional summary variables considered in the analysis

Note: The following table includes summaries of the individual responses to the survey. A description of the individual responses included in each summary category is provided below.

- “Don’t recall the content of the message” includes nothing, don’t remember, and don’t know responses.
- “Evacuation instructions” includes responses for evacuation plans, directions, zones, and routes.
- “Shelter-in-place instructions” includes shelter in place and shelter-in-place kit responses.
- “Listen to or follow instructions” includes responses for follow instructions; and listen to TAR, siren, and/or EAS.
- “General instructions and supplies to prepare” includes responses for food, water, what supplies to prepare, 72-hour kit, be prepared, stay calm, and general instructions.

Table 85: Additional Responses to Question 21

	General instructions and supplies to prepare	Evacuation instructions	Don’t recall the content of the message	Listen to or follow instructions	Shelter-in-place instructions
Total Sample	33%	32%	7%	17%	6%
County and IRZ/PAZ					
Arkansas County PAZ	23%	27%	10%	7%	---
Cleveland County PAZ	29%	29%	3%	29%	10%
Dallas County PAZ	23%	23%	---	6%	3%
Grant County IRZ	24%	40%	4%	11%	5%
Grant County PAZ	24%	39%	6%	22%	4%
Jefferson County IRZ	36%	45%	9%	20%	8%
Jefferson County PAZ	38%	42%	7%	18%	6%
Lincoln County PAZ	43%	30%	8%	19%	8%
Lonoke County PAZ	32%	23%	8%	19%	2%
Pulaski County PAZ	33%	22%	1%	13%	2%

21. What do you remember from what you heard, saw, or read?

	General instructions and supplies to prepare	Evacuation instructions	Don't recall the content of the message	Listen to or follow instructions	Shelter-in-place instructions
Saline County PAZ	29%	17%	9%	12%	6%
Respondent Age					
18–29	24%	42%	7%	16%	6%
30–34	29%	27%	12%	21%	4%
35–44	49%	41%	4%	21%	7%
45–54	39%	37%	4%	16%	6%
55–59	27%	35%	4%	20%	3%
60–64	32%	32%	9%	18%	6%
65+	30%	24%	9%	14%	6%
Respondent Gender					
Male	29%	36%	8%	18%	6%
Female	35%	30%	7%	16%	6%
Respondent Ethnicity					
African American/Black	34%	31%	7%	16%	4%
Caucasian/White	32%	33%	7%	17%	6%
Respondent Time in the Vicinity					
5 years or less	23%	27%	7%	11%	5%
6–10 years	34%	30%	7%	19%	7%
11–15 years	31%	37%	4%	14%	2%
16–20 years	39%	34%	8%	20%	9%
More than 20 years	36%	33%	7%	18%	6%
Respondent Education Level					
Some high school or less	22%	16%	10%	7%	1%
High school graduate	29%	29%	8%	15%	4%
Vocational or technical school	38%	40%	6%	21%	9%

21. What do you remember from what you heard, saw, or read?

	General instructions and supplies to prepare	Evacuation instructions	Don't recall the content of the message	Listen to or follow instructions	Shelter-in-place instructions
Some college	41%	38%	3%	22%	7%
College graduate	39%	33%	8%	17%	7%
Some graduate work	49%	35%	---	36%	15%
Master's degree	25%	47%	8%	12%	7%
PhD degree	31%	35%	10%	24%	11%
Household Income of the Family					
Under \$15,000	33%	21%	5%	14%	5%
\$15,000 – <\$25,000	22%	29%	8%	13%	4%
\$25,000 – <\$35,000	36%	34%	9%	19%	9%
\$35,000 – <\$50,000	35%	41%	8%	23%	6%
\$50,000 – <\$75,000	35%	44%	7%	16%	7%
Over \$75,000	43%	33%	4%	23%	8%
Respondents with Children in School (K–12)					
Yes	38%	38%	6%	21%	6%
No	32%	30%	7%	16%	6%
Household Member is a First Responder or Local EMA Employee					
Yes	44%	41%	7%	13%	8%
No	32%	31%	7%	17%	5%
Household Member is an Employee of the Arsenal or Contractor of the Arsenal					
Yes, work for Pine Bluff Arsenal	51%	55%	5%	23%	8%
Yes, contractor of the Pine Bluff Arsenal	45%	34%	6%	22%	11%
No	32%	31%	7%	16%	5%
Received CSEPP Information					
Received information	48%	46%	10%	24%	8%

21. What do you remember from what you heard, saw, or read?

	General instructions and supplies to prepare	Evacuation instructions	Don't recall the content of the message	Listen to or follow instructions	Shelter-in-place instructions
Not received information	---	---	---	---	---
Read the Annual Arkansas Emergency Preparedness Calendar					
Yes	49%	56%	5%	24%	9%
No, have not read it	38%	35%	7%	20%	7%
No, have not received a calendar	27%	23%	8%	14%	4%
Have Internet Access					
Yes	35%	35%	6%	18%	7%
No	31%	27%	8%	14%	4%
Have a Tone Alert Radio					
Yes	38%	50%	6%	24%	6%
No	33%	39%	10%	15%	9%
Confident in Ability to Shelter In Place					
Total confident	38%	38%	7%	20%	5%
Total not confident	27%	24%	8%	12%	6%
Trust and Control Category					
Participants	38%	38%	9%	21%	5%
Believers	31%	23%	6%	13%	6%
Watchdogs	30%	32%	4%	15%	7%
Cynics	19%	19%	4%	9%	6%

22. How confident are you that the public will be notified quickly in case of a chemical emergency at the Pine Bluff Arsenal?⁹⁴

Table 86: Responses to Question 22

	Total confident	Total not confident
Total Sample	77%	23%
County and IRZ/PAZ		
Arkansas County PAZ	57%	43%
Cleveland County PAZ	84%	16%
Dallas County PAZ	58%	42%
Grant County IRZ	85%	15%
Grant County PAZ	73%	27%
Jefferson County IRZ	81%	19%
Jefferson County PAZ	81%	19%
Lincoln County PAZ	84%	16%
Lonoke County PAZ	81%	19%
Pulaski County PAZ	69%	31%
Saline County PAZ	73%	27%
Respondent Age		
18–29	70%	30%
30–34	80%	20%
35–44	79%	21%
45–54	77%	23%
55–59	73%	27%
60–64	76%	24%
65+	79%	21%

⁹⁴ In August 2005, the “don’t know” category was removed. If respondents answered “don’t know,” they were asked to choose the category that most closely reflected their opinion.

22. How confident are you that the public will be notified quickly in case of a chemical emergency at the Pine Bluff Arsenal?

	Total confident	Total not confident
Respondent Gender		
Male	80%	20%
Female	76%	24%
Respondent Ethnicity		
African American/Black	76%	24%
Caucasian/White	78%	22%
Respondent Time in the Vicinity		
5 years or less	74%	26%
6–10 years	79%	21%
11–15 years	75%	25%
16–20 years	76%	24%
More than 20 years	78%	22%
Respondent Education Level		
Some high school or less	73%	27%
High school graduate	79%	21%
Vocational or technical school	83%	17%
Some college	74%	26%
College graduate	77%	23%
Some graduate work	80%	20%
Master's degree	82%	18%
PhD degree	78%	22%
Household Income of the Family		
Under \$15,000	73%	27%
\$15,000 - \$25,000	73%	27%
\$25,000 - \$35,000	80%	20%
\$35,000 - \$50,000	74%	26%

22. How confident are you that the public will be notified quickly in case of a chemical emergency at the Pine Bluff Arsenal?

	Total confident	Total not confident
\$50,000 - \$75,000	83%	17%
Over \$75,000	74%	26%
Respondents with Children in School (K-12)		
Yes	77%	23%
No	77%	23%
Household Member is a First Responder or Local EMA Employee		
Yes	75%	25%
No	77%	23%
Household Member is an Employee of the Arsenal or Contractor of the Arsenal		
Yes, work for Pine Bluff Arsenal	93%	7%
Yes, contractor of the Pine Bluff Arsenal	76%	24%
No	76%	24%
Received CSEPP Information		
Received information	81%	19%
Not received information	67%	33%
Read the Annual Arkansas Emergency Preparedness Calendar		
Yes	82%	18%
No, have not read it	84%	16%
No, have not received a calendar	74%	26%
Have Internet Access		
Yes	76%	24%
No	78%	22%
Have a Tone Alert Radio		
Yes	82%	18%

22. How confident are you that the public will be notified quickly in case of a chemical emergency at the Pine Bluff Arsenal?

	Total confident	Total not confident
No	80%	20%
Confident in Ability to Shelter In Place		
Total confident	84%	16%
Total not confident	68%	32%
Trust and Control Category		
Participants	100%	---
Believers	100%	---
Watchdogs	---	100%
Cynics	---	100%

23. Why do you say that you are confident/not confident?

NOTE: The tables below show the percentages of the total sample of respondents, not just those respondents who either say they are confident or not confident.

Confident Responses

Table 87: Confident Responses to Question 23

	Arsenal has kept the public informed	Alert system is good	I trust the Arsenal	Local media would let us know	Arsenal is prepared	I trust the local government officials	Always been told when something happens	Arsenal does a lot of tests/drills	Local government officials and/or first responders will alert us	Arsenal would try to contain the accident before alerting the public	Someone I know works/worked at the depot	Don't Know	Arsenal would take a chemical release seriously	Other	Local government officials would try to contain the accident	I work/worked at the Arsenal
Total Sample	20%	18%	18%	18%	15%	11%	11%	9%	7%	7%	6%	6%	5%	5%	4%	3%
County and IRZ/PAZ																
Arkansas County PAZ	18%	6%	24%	12%	12%	12%	18%	6%	---	---	12%	12%	12%	---	6%	---
Cleveland County PAZ	12%	12%	19%	12%	12%	12%	8%	8%	4%	---	15%	12%	---	8%	4%	---
Dallas County PAZ	17%	17%	6%	---	22%	6%	---	11%	17%	---	11%	6%	6%	---	6%	6%
Grant County IRZ	23%	28%	28%	13%	11%	6%	9%	9%	4%	9%	6%	4%	2%	4%	2%	9%
Grant County PAZ	26%	17%	33%	23%	18%	12%	12%	12%	5%	17%	8%	8%	15%	6%	3%	5%
Jefferson County IRZ	28%	29%	22%	12%	22%	12%	15%	14%	7%	10%	9%	5%	6%	5%	2%	5%
Jefferson County PAZ	18%	23%	17%	13%	18%	7%	12%	11%	2%	6%	7%	6%	5%	3%	4%	4%
Lincoln County PAZ	23%	19%	26%	10%	16%	23%	3%	3%	3%	13%	10%	3%	6%	---	---	3%

23. Why do you say that you are confident/not confident?

	Arsenal has kept the public informed	Alert system is good	I trust the Arsenal	Local media would let us know	Arsenal is prepared	I trust the local government officials	Always been told when something happens	Arsenal does a lot of tests/drills	Local government officials and/or first responders will alert us	Arsenal would try to contain the accident before alerting the public	Someone I know works/worked at the depot	Don't Know	Arsenal would take a chemical release seriously	Other	Local government officials would try to contain the accident	I work/worked at the Arsenal
Lonoke County PAZ	21%	7%	19%	19%	9%	14%	23%	5%	5%	---	12%	9%	5%	2%	2%	2%
Pulaski County PAZ	20%	14%	17%	30%	8%	9%	5%	3%	---	6%	3%	3%	3%	5%	2%	2%
Saline County PAZ	16%	10%	11%	26%	11%	13%	9%	6%	18%	7%	2%	7%	3%	10%	7%	2%
Respondent Age																
18–29	26%	17%	9%	14%	7%	13%	15%	19%	5%	7%	8%	6%	9%	6%	10%	5%
30–34	33%	12%	13%	17%	7%	5%	9%	5%	4%	7%	10%	1%	4%	9%	4%	2%
35–44	26%	24%	25%	26%	23%	13%	13%	9%	6%	7%	5%	2%	4%	2%	4%	3%
45–54	16%	15%	16%	17%	13%	11%	7%	8%	7%	8%	6%	7%	6%	9%	4%	3%
55–59	18%	18%	20%	12%	17%	11%	13%	11%	5%	13%	7%	6%	6%	4%	4%	4%
60–64	18%	20%	20%	22%	19%	15%	10%	11%	14%	8%	9%	3%	5%	6%	7%	1%
65+	18%	18%	18%	19%	14%	9%	13%	6%	7%	5%	5%	9%	3%	4%	3%	4%
Respondent Gender																
Male	17%	21%	19%	16%	15%	11%	8%	9%	5%	6%	7%	5%	4%	5%	5%	5%
Female	21%	17%	17%	20%	15%	10%	13%	9%	8%	8%	6%	7%	6%	6%	4%	3%

23. Why do you say that you are confident/not confident?

	Arsenal has kept the public informed	Alert system is good	I trust the Arsenal	Local media would let us know	Arsenal is prepared	I trust the local government officials	Always been told when something happens	Arsenal does a lot of tests/drills	Local government officials and/or first responders will alert us	Arsenal would try to contain the accident before alerting the public	Someone I know works/worked at the depot	Don't Know	Arsenal would take a chemical release seriously	Other	Local government officials would try to contain the accident	I work/worked at the Arsenal
Respondent Ethnicity																
African American/Black	20%	25%	14%	19%	13%	7%	12%	12%	2%	5%	3%	7%	5%	5%	2%	2%
Caucasian/White	21%	16%	9%	19%	16%	12%	11%	8%	9%	8%	7%	6%	5%	5%	5%	3%
Respondent Time in the Vicinity																
5 years or less	28%	13%	17%	16%	10%	15%	13%	10%	4%	7%	5%	5%	9%	6%	3%	3%
6–10 years	20%	17%	14%	21%	16%	14%	13%	5%	4%	5%	8%	4%	1%	9%	6%	2%
11–15 years	17%	23%	17%	13%	13%	6%	8%	10%	11%	6%	7%	2%	2%	5%	5%	4%
16–20 years	24%	14%	21%	16%	14%	8%	11%	18%	7%	15%	10%	2%	7%	7%	5%	3%
More than 20 years	18%	19%	19%	20%	17%	10%	11%	8%	8%	7%	6%	8%	5%	4%	4%	3%
Respondent Education Level																
Some high school or less	17%	22%	22%	13%	12%	7%	10%	4%	10%	6%	3%	11%	3%	3%	6%	2%
High school graduate	18%	15%	16%	20%	13%	10%	14%	8%	8%	7%	5%	7%	7%	4%	3%	3%
Vocational or technical school	18%	18%	23%	25%	14%	10%	6%	1%	2%	12%	10%	3%	4%	5%	4%	3%
Some college	24%	20%	21%	24%	21%	14%	14%	10%	7%	8%	7%	8%	5%	3%	4%	4%

23. Why do you say that you are confident/not confident?

	Arsenal has kept the public informed	Alert system is good	I trust the Arsenal	Local media would let us know	Arsenal is prepared	I trust the local government officials	Always been told when something happens	Arsenal does a lot of tests/drills	Local government officials and/or first responders will alert us	Arsenal would try to contain the accident before alerting the public	Someone I know works/worked at the depot	Don't Know	Arsenal would take a chemical release seriously	Other	Local government officials would try to contain the accident	I work/worked at the Arsenal
College graduate	19%	18%	18%	16%	11%	12%	9%	11%	5%	4%	6%	3%	7%	9%	6%	2%
Some graduate work	8%	20%	9%	1%	30%	9%	---	10%	9%	11%	13%	---	---	23%	2%	14%
Master's degree	27%	21%	9%	9%	18%	10%	2%	18%	7%	14%	15%	4%	---	11%	5%	4%
PhD degree	22%	21%	23%	14%	6%	12%	20%	9%	5%	3%	---	---	---	---	9%	9%
Household Income of the Family																
Under \$15,000	16%	18%	18%	19%	10%	10%	17%	9%	6%	7%	4%	6%	6%	5%	5%	3%
\$15,000 – <\$25,000	15%	17%	16%	21%	18%	8%	10%	7%	11%	3%	3%	7%	6%	8%	7%	2%
\$25,000 – <\$35,000	25%	16%	15%	16%	13%	8%	9%	9%	9%	5%	6%	7%	5%	4%	3%	5%
\$35,000 – <\$50,000	21%	19%	16%	20%	15%	16%	16%	7%	5%	8%	5%	5%	6%	3%	6%	3%
\$50,000 – <\$75,000	20%	18%	20%	17%	15%	9%	6%	10%	6%	7%	9%	3%	1%	7%	3%	3%
Over \$75,000	22%	14%	20%	12%	18%	11%	10%	9%	5%	7%	13%	7%	4%	3%	1%	5%
Respondents with Children in School (K-12)																
Yes	21%	18%	18%	19%	14%	7%	10%	14%	5%	7%	8%	4%	7%	5%	2%	2%
No	19%	18%	18%	18%	15%	12%	12%	7%	8%	7%	6%	7%	4%	5%	5%	4%

23. Why do you say that you are confident/not confident?

	Arsenal has kept the public informed	Alert system is good	I trust the Arsenal	Local media would let us know	Arsenal is prepared	I trust the local government officials	Always been told when something happens	Arsenal does a lot of tests/drills	Local government officials and/or first responders will alert us	Arsenal would try to contain the accident before alerting the public	Someone I know works/worked at the depot	Don't Know	Arsenal would take a chemical release seriously	Other	Local government officials would try to contain the accident	I work/worked at the Arsenal
Household Member is a First Responder or Local EMA Employee																
Yes	22%	25%	25%	21%	15%	19%	16%	13%	3%	5%	16%	4%	2%	8%	7%	10%
No	20%	17%	17%	18%	15%	10%	11%	8%	7%	7%	6%	6%	5%	5%	4%	3%
Household Member is an Employee of the Arsenal or Contractor of the Arsenal																
Yes, work for Pine Bluff Arsenal	18%	36%	38%	8%	35%	16%	14%	24%	4%	6%	26%	---	2%	---	5%	15%
Yes, contractor of the Pine Bluff Arsenal	13%	20%	31%	14%	13%	13%	14%	3%	7%	1%	7%	5%	4%	12%	6%	9%
No	20%	17%	16%	19%	14%	10%	11%	8%	7%	7%	5%	7%	5%	5%	4%	2%
Received CSEPP Information																
Received information	19%	20%	18%	17%	16%	12%	12%	10%	7%	6%	7%	5%	5%	6%	4%	4%
Not received information	22%	13%	17%	21%	12%	7%	10%	6%	7%	9%	3%	10%	5%	4%	6%	2%
Read the Annual Arkansas Emergency Preparedness Calendar																
Yes	22%	31%	25%	12%	24%	11%	14%	15%	3%	9%	10%	3%	5%	4%	4%	7%
No, have not read it	19%	25%	25%	15%	17%	17%	14%	16%	11%	12%	6%	3%	6%	5%	10%	6%
No, have not received a calendar	19%	12%	14%	21%	11%	10%	10%	5%	8%	6%	5%	8%	5%	6%	4%	1%

23. Why do you say that you are confident/not confident?

	Arsenal has kept the public informed	Alert system is good	I trust the Arsenal	Local media would let us know	Arsenal is prepared	I trust the local government officials	Always been told when something happens	Arsenal does a lot of tests/drills	Local government officials and/or first responders will alert us	Arsenal would try to contain the accident before alerting the public	Someone I know works/worked at the depot	Don't Know	Arsenal would take a chemical release seriously	Other	Local government officials would try to contain the accident	I work/worked at the Arsenal
Have Internet Access																
Yes	21%	18%	17%	17%	15%	11%	11%	11%	6%	7%	8%	5%	5%	6%	4%	4%
No	17%	17%	19%	21%	15%	10%	12%	5%	9%	7%	4%	8%	6%	4%	5%	2%
Have a Tone Alert Radio																
Yes	28%	33%	24%	13%	22%	12%	14%	16%	7%	8%	10%	4%	4%	4%	4%	7%
No	28%	25%	22%	11%	21%	11%	14%	12%	6%	13%	8%	5%	8%	6%	1%	4%
Confident in Ability to Shelter In Place																
Total confident	18%	20%	21%	18%	17%	12%	13%	9%	6%	6%	8%	6%	5%	6%	4%	5%
Total not confident	22%	15%	13%	19%	11%	8%	8%	8%	9%	9%	4%	6%	5%	5%	5%	1%
Trust and Control Category																
Participants	21%	18%	19%	17%	18%	12%	12%	11%	8%	7%	7%	5%	6%	5%	5%	4%
Believers	17%	16%	14%	22%	18%	9%	11%	4%	6%	7%	5%	9%	4%	6%	4%	1%

Not Confident Responses

Table 88: Not Confident Responses to Question 23

	Community is not very well informed	I do not trust the Arsenal	I do not trust the local government	Don't know	Arsenal would try to cover up a chemical release	Not enough time to alert everyone
Total Sample	20%	17%	17%	14%	13%	10%
County and IRZ/PAZ						
Arkansas County PAZ	23%	15%	8%	---	23%	23%
Cleveland County PAZ	20%	20%	20%	---	---	40%
Dallas County PAZ	31%	8%	---	---	---	15%
Grant County IRZ	13%	63%	13%	---	13%	---
Grant County PAZ	25%	4%	13%	13%	21%	8%
Jefferson County IRZ	24%	28%	16%	7%	10%	17%
Jefferson County PAZ	16%	19%	19%	12%	2%	16%
Lincoln County PAZ	17%	17%	---	---	---	---
Lonoke County PAZ	10%	10%	10%	20%	10%	---
Pulaski County PAZ	10%	14%	21%	24%	14%	14%
Saline County PAZ	24%	17%	20%	15%	22%	2%
Respondent Age						
18–29	10%	12%	12%	11%	13%	8%
30–34	26%	22%	9%	10%	17%	15%
35–44	22%	21%	11%	14%	5%	9%
45–54	26%	24%	20%	5%	14%	16%
55–59	23%	5%	21%	11%	20%	5%
60–64	14%	22%	21%	23%	16%	2%

23. Why do you say that you are confident/not confident?

	Community is not very well informed	I do not trust the Arsenal	I do not trust the local government	Don't know	Arsenal would try to cover up a chemical release	Not enough time to alert everyone
65+	16%	17%	12%	19%	11%	13%
Respondent Gender						
Male	17%	19%	36%	5%	13%	12%
Female	20%	16%	11%	16%	13%	10%
Respondent Ethnicity						
African American/Black	15%	22%	19%	18%	7%	22%
Caucasian/White	23%	16%	14%	10%	15%	7%
Respondent Time in the Vicinity						
5 years or less	11%	21%	19%	19%	17%	9%
6–10 years	20%	12%	13%	13%	12%	2%
11–15 years	20%	31%	25%	4%	7%	24%
16–20 years	27%	9%	30%	19%	17%	15%
More than 20 years	21%	15%	15%	12%	12%	9%
Respondent Education Level						
Some high school or less	13%	20%	22%	26%	10%	21%
High school graduate	28%	24%	15%	16%	12%	14%
Vocational or technical school	44%	6%	23%	6%	---	2%
Some college	19%	12%	19%	4%	10%	7%
College graduate	16%	9%	17%	12%	27%	---
Some graduate work	---	25%	---	---	---	25%
Master's degree	5%	22%	37%	10%	---	11%
PhD degree	---	30%	---	30%	18%	---

23. Why do you say that you are confident/not confident?

	Community is not very well informed	I do not trust the Arsenal	I do not trust the local government	Don't know	Arsenal would try to cover up a chemical release	Not enough time to alert everyone
Household Income of the Family						
Under \$15,000	24%	16%	14%	22%	11%	13%
\$15,000 – <\$25,000	28%	21%	21%	12%	18%	12%
\$25,000 – <\$35,000	28%	12%	15%	14%	14%	9%
\$35,000 – <\$50,000	4%	21%	10%	7%	11%	15%
\$50,000 – <\$75,000	19%	17%	21%	15%	11%	10%
Over \$75,000	16%	7%	30%	---	15%	---
Respondents with Children in School (K-12)						
Yes	25%	15%	11%	9%	13%	6%
No	18%	18%	19%	15%	13%	12%
Household Member is a First Responder or Local EMA Employee						
Yes	27%	27%	17%	---	11%	16%
No	19%	16%	17%	15%	13%	10%
Household Member is an Employee of the Arsenal or Contractor of the Arsenal						
Yes, work for Pine Bluff Arsenal	34%	42%	42%	---	28%	28%
Yes, contractor of the Pine Bluff Arsenal	9%	13%	---	11%	34%	7%
No	20%	17%	18%	14%	11%	10%
Received CSEPP Information						
Received information	22%	18%	16%	7%	14%	11%
Not received information	17%	15%	19%	22%	11%	9%

23. Why do you say that you are confident/not confident?

	Community is not very well informed	I do not trust the Arsenal	I do not trust the local government	Don't know	Arsenal would try to cover up a chemical release	Not enough time to alert everyone
Read the Annual Arkansas Emergency Preparedness Calendar						
Yes	27%	21%	23%	---	17%	21%
No, have not read it	22%	20%	11%	24%	8%	19%
No, have not received a calendar	18%	16%	16%	16%	12%	7%
Have Internet Access						
Yes	19%	15%	17%	8%	13%	7%
No	20%	20%	17%	23%	12%	17%
Have a Tone Alert Radio						
Yes	31%	25%	14%	---	12%	17%
No	17%	33%	17%	13%	9%	16%
Confident in Ability to Shelter In Place						
Total confident	22%	16%	19%	7%	18%	11%
Total not confident	18%	18%	17%	17%	10%	10%
Trust and Control Category						
Watchdogs	17%	16%	18%	13%	10%	9%
Cynics	22%	18%	17%	14%	16%	12%

24. Please tell me if you agree or disagree with the following statement: “I am able to protect myself and my family in the event of a chemical emergency?”^{95,96}

Table 89: Responses to Question 24

	Total agree	Total disagree
Total Sample	65%	35%
County and IRZ/PAZ		
Arkansas County PAZ	43%	57%
Cleveland County PAZ	61%	39%
Dallas County PAZ	55%	45%
Grant County IRZ	62%	38%
Grant County PAZ	67%	33%
Jefferson County IRZ	65%	35%
Jefferson County PAZ	70%	30%
Lincoln County PAZ	57%	43%
Lonoke County PAZ	66%	34%
Pulaski County PAZ	58%	42%
Saline County PAZ	63%	37%
Respondent Age		
18–29	76%	24%
30–34	82%	18%
35–44	73%	27%
45–54	66%	34%
55–59	62%	38%
60–64	56%	44%

⁹⁵ This question was not asked in the November 2002 survey.

⁹⁶ In August 2005, the “don’t know” category was removed. If respondents answered “don’t know” they were asked to choose the category that most closely reflected their opinion.

24. Please tell me if you agree or disagree with the following statement: "I am able to protect myself and my family in the event of a chemical emergency?"

	Total agree	Total disagree
65+	60%	40%
Respondent Gender		
Male	71%	29%
Female	63%	37%
Respondent Ethnicity		
African American/Black	60%	40%
Caucasian/White	67%	33%
Respondent Time in the Vicinity		
5 years or less	59%	41%
6–10 years	69%	31%
11–15 years	71%	29%
16–20 years	68%	32%
More than 20 years	64%	36%
Respondent Education Level		
Some high school or less	49%	51%
High school graduate	66%	34%
Vocational or technical school	68%	32%
Some college	69%	31%
College graduate	68%	32%
Some graduate work	73%	27%
Master's degree	65%	35%
PhD degree	61%	39%
Household Income of the Family		
Under \$15,000	47%	53%
\$15,000 - \$25,000	64%	36%

24. Please tell me if you agree or disagree with the following statement: "I am able to protect myself and my family in the event of a chemical emergency?"

	Total agree	Total disagree
\$25,000 - \$35,000	67%	33%
\$35,000 - \$50,000	72%	28%
\$50,000 - \$75,000	68%	32%
Over \$75,000	77%	23%
Respondents with Children in School (K-12)		
Yes	68%	32%
No (No respondent in this category)	64%	36%
Household Member is a First Responder or Local EMA Employee		
Yes	79%	21%
No	64%	36%
Household Member is an Employee of the Arsenal or Contractor of the Arsenal		
Yes, work for Pine Bluff Arsenal	86%	14%
Yes, contractor of the Pine Bluff Arsenal	64%	36%
No	64%	36%
Received CSEPP Information		
Received information	71%	29%
Not received information	52%	48%
Read the Annual Arkansas Emergency Preparedness Calendar		
Yes	79%	21%
No, have not read it	73%	27%
No, have not received a calendar	59%	41%
Have Internet Access		
Yes	69%	31%
No	59%	41%

24. Please tell me if you agree or disagree with the following statement: "I am able to protect myself and my family in the event of a chemical emergency?"

	Total agree	Total disagree
Have a Tone Alert Radio		
Yes	70%	30%
No	59%	41%
Confident in Ability to Shelter In Place		
Total confident	82%	18%
Total not confident	43%	57%
Trust and Control Category		
Participants	100%	---
Believers	---	100%
Watchdogs	100%	---
Cynics	---	100%

25. How would you prefer to receive emergency preparedness information?^{97,98}

Table 90: Responses to Question 25

	Total responses for AM/FM radio, newspaper, TV	Television	AM/FM radio	Direct mail	Internet	News- paper	Calendar
Total Sample	74%	60%	38%	36%	17%	17%	12%
County and IRZ/PAZ							
Arkansas County PAZ	73%	60%	37%	37%	7%	7%	7%
Cleveland County PAZ	68%	58%	23%	23%	6%	6%	3%
Dallas County PAZ	55%	42%	19%	52%	13%	10%	6%
Grant County IRZ	73%	55%	22%	38%	15%	24%	15%
Grant County PAZ	72%	58%	37%	34%	22%	21%	14%
Jefferson County IRZ	73%	58%	37%	45%	18%	22%	19%
Jefferson County PAZ	76%	59%	38%	39%	16%	18%	14%
Lincoln County PAZ	76%	57%	41%	30%	11%	22%	3%
Lonoke County PAZ	75%	62%	38%	25%	15%	6%	4%
Pulaski County PAZ	71%	58%	34%	35%	18%	17%	12%
Saline County PAZ	76%	65%	41%	32%	18%	17%	10%
Respondent Age							
18–29	60%	47%	40%	51%	33%	23%	24%
30–34	67%	57%	31%	37%	34%	16%	13%
35–44	70%	54%	43%	47%	21%	15%	14%
45–54	72%	56%	41%	37%	21%	22%	13%
55–59	70%	54%	38%	40%	18%	18%	13%
60–64	75%	64%	35%	36%	12%	11%	12%
65+	83%	69%	34%	26%	9%	16%	7%

⁹⁷ This question was not asked in the November 2002 survey.

⁹⁸ Multiple responses were accepted for this question.

25. How would you prefer to receive emergency preparedness information?

	Total responses for AM/FM radio, newspaper, TV	Television	AM/FM radio	Direct mail	Internet	News- paper	Calendar
Respondent Gender							
Male	81%	63%	46%	29%	17%	18%	10%
Female	72%	59%	34%	39%	17%	17%	13%
Respondent Ethnicity							
African American/Black	78%	60%	41%	36%	16%	8%	15%
Caucasian/White	73%	60%	36%	35%	17%	17%	11%
Respondent Time in the Vicinity							
5 years or less	78%	63%	48%	37%	28%	19%	15%
6–10 years	67%	57%	34%	37%	24%	20%	16%
11–15 years	76%	55%	48%	41%	25%	21%	15%
16–20 years	72%	56%	35%	35%	16%	13%	11%
More than 20 years	75%	61%	34%	35%	11%	16%	10%
Respondent Education Level							
Some high school or less	78%	68%	24%	23%	7%	7%	3%
High school graduate	77%	65%	36%	31%	13%	16%	13%
Vocational or technical school	70%	50%	37%	58%	14%	13%	10%
Some college	70%	56%	43%	41%	20%	24%	17%
College graduate	75%	57%	41%	41%	26%	19%	13%
Some graduate work	77%	55%	63%	30%	28%	23%	2%
Master's degree	70%	56%	39%	42%	14%	14%	14%
PhD degree	55%	45%	21%	44%	30%	19%	11%
Household Income of the Family							
Under \$15,000	76%	64%	29%	25%	4%	13%	4%
\$15,000 – <\$25,000	76%	63%	32%	32%	19%	18%	12%
\$25,000 – <\$35,000	74%	66%	38%	35%	20%	14%	18%

25. How would you prefer to receive emergency preparedness information?

	Total responses for AM/FM radio, newspaper, TV	Television	AM/FM radio	Direct mail	Internet	News- paper	Calendar
\$35,000 – <\$50,000	68%	56%	42%	51%	20%	27%	20%
\$50,000 – <\$75,000	76%	60%	41%	34%	17%	18%	11%
Over \$75,000	73%	52%	45%	40%	26%	19%	12%
Respondents with Children in School (K–12)							
Yes	68%	57%	39%	44%	23%	17%	15%
No	76%	61%	37%	33%	15%	17%	11%
Household Member is a First Responder or Local EMA Employee							
Yes	70%	59%	43%	36%	23%	16%	21%
No	75%	60%	37%	36%	17%	17%	11%
Household Member is an Employee of the Arsenal or Contractor of the Arsenal							
Yes, work for Pine Bluff Arsenal	85%	76%	48%	34%	11%	22%	15%
Yes, contractor of the Pine Bluff Arsenal	74%	59%	40%	40%	24%	18%	6%
No	74%	60%	37%	36%	17%	17%	12%
Received CSEPP Information							
Received information	73%	59%	40%	38%	17%	18%	13%
Not received information	76%	64%	32%	30%	16%	16%	10%
Read the Annual Arkansas Emergency Preparedness Calendar							
Yes	76%	55%	44%	40%	18%	21%	20%
No, have not read it	73%	63%	30%	40%	16%	18%	10%
No, have not received a calendar	74%	62%	36%	34%	17%	16%	10%
Have Internet Access							
Yes	72%	57%	41%	40%	23%	19%	15%
No	79%	66%	32%	28%	6%	14%	8%

25. How would you prefer to receive emergency preparedness information?

	Total responses for AM/FM radio, newspaper, TV	Television	AM/FM radio	Direct mail	Internet	News- paper	Calendar
Have a Tone Alert Radio							
Yes	72%	55%	33%	40%	17%	19%	20%
No	73%	62%	39%	49%	19%	25%	18%
Confident in Ability to Shelter In Place							
Total confident	77%	61%	43%	37%	19%	18%	14%
Total not confident	71%	59%	30%	34%	15%	16%	10%
Trust and Control Category							
Participants	79%	63%	45%	35%	18%	19%	14%
Believers	70%	58%	29%	36%	15%	14%	9%
Watchdogs	66%	51%	32%	42%	20%	20%	10%
Cynics	71%	61%	25%	33%	13%	14%	10%

26. Which emergency planning sub-zone do you live in? ⁹⁹

A cross tabulation table for question 26 is not included in this document due to the small sample size (less than 30 respondents) of each response category for this question.

⁹⁹ In November 2002, this question read: “Do you know which emergency plan you live in?” Due to the wording change, the November 2002 responses are not shown in this table.

27. Have you read the emergency preparedness information in the annual Arkansas emergency preparedness calendar?¹⁰⁰

Table 91: Responses to Question 27

	Yes	No, did not read it	No, never received any
Total Sample	24%	7%	69%
County and IRZ/PAZ			
Arkansas County PAZ	7%	13%	80%
Cleveland County PAZ	16%	26%	58%
Dallas County PAZ	23%	6%	71%
Grant County IRZ	45%	11%	44%
Grant County PAZ	30%	9%	61%
Jefferson County IRZ	51%	12%	38%
Jefferson County PAZ	36%	6%	57%
Lincoln County PAZ	16%	---	84%
Lonoke County PAZ	15%	9%	75%
Pulaski County PAZ	5%	8%	86%
Saline County PAZ	4%	4%	92%
Respondent Age			
18–29	13%	8%	79%
30–34	23%	8%	69%
35–44	28%	6%	67%
45–54	28%	8%	65%
55–59	32%	9%	59%
60–64	22%	9%	68%

¹⁰⁰ The Pine Bluff site added this question in October 2003. In April 2004, the Pine Bluff site separated the “don’t know” category into two sub-categories to distinguish between the survey respondents who received a calendar and have not read it, and those who have not received a calendar. In addition, the “partially” and “don’t know” categories were removed.

27. Have you read the emergency preparedness information in the annual Arkansas emergency preparedness calendar?

	Yes	No, did not read it	No, never received any
65+	21%	7%	72%
Respondent Gender			
Male	26%	7%	67%
Female	23%	8%	69%
Respondent Ethnicity			
African American/Black	31%	9%	60%
Caucasian/White	22%	7%	71%
Respondent Time in the Vicinity			
5 years or less	12%	7%	81%
6–10 years	24%	9%	67%
11–15 years	29%	10%	61%
16–20 years	31%	7%	62%
More than 20 years	26%	7%	67%
Respondent Education Level			
Some high school or less	17%	3%	80%
High school graduate	19%	9%	71%
Vocational or technical school	15%	5%	80%
Some college	31%	7%	62%
College graduate	26%	7%	67%
Some graduate work	27%	7%	66%
Master's degree	39%	6%	55%
PhD degree	36%	15%	50%
Household Income of the Family			
Under \$15,000	18%	6%	76%
\$15,000 – <\$25,000	22%	6%	72%

27. Have you read the emergency preparedness information in the annual Arkansas emergency preparedness calendar?

	Yes	No, did not read it	No, never received any
\$25,000 – <\$35,000	23%	10%	67%
\$35,000 – <\$50,000	30%	6%	64%
\$50,000 – <\$75,000	32%	10%	59%
Over \$75,000	24%	6%	70%
Respondents with Children in School (K–12)			
Yes	26%	8%	66%
No	23%	7%	69%
Household Member is a First Responder or Local EMA Employee			
Yes	40%	6%	54%
No	23%	8%	70%
Household Member is an Employee of the Arsenal or Contractor of the Arsenal			
Yes, work for Pine Bluff Arsenal	53%	15%	33%
Yes, contractor of the Pine Bluff Arsenal	26%	16%	58%
No	23%	7%	71%
Received CSEPP Information			
Received information	30%	8%	62%
Not received	10%	7%	83%
Have Internet Access			
Yes	27%	7%	66%
No	19%	8%	73%
Have a Tone Alert Radio			
Yes	68%	9%	23%
No	32%	15%	54%

27. Have you read the emergency preparedness information in the annual Arkansas emergency preparedness calendar?

	Yes	No, did not read it	No, never received any
Confident in Ability to Shelter In Place			
Total confident	32%	8%	61%
Total not confident	14%	7%	79%
Trust and Control Category			
Participants	30%	9%	61%
Believers	15%	7%	79%
Watchdogs	24%	7%	70%
Cynics	14%	4%	82%

28. Do you feel the information in the calendar has helped you to become more prepared for a possible chemical emergency?¹⁰¹

Note: The percentages in this table only pertain to respondents who have read the emergency preparedness information in the annual Arkansas emergency preparedness calendar and not to the total sample of respondents.

Table 92: Responses to Question 28

	Yes	No
Total Sample	94%	6%
County and IRZ/PAZ		
Arkansas County PAZ	100%	---
Cleveland County PAZ	100%	---
Dallas County PAZ	100%	---
Grant County IRZ	88%	12%
Grant County PAZ	96%	4%
Jefferson County IRZ	95%	5%
Jefferson County PAZ	94%	6%
Lincoln County PAZ	100%	---
Lonoke County PAZ	88%	13%
Pulaski County PAZ	80%	20%
Saline County PAZ	100%	---
Respondent Age		
18–29	100%	---
30–34	100%	---
35–44	100%	---
45–54	92%	8%
55–59	92%	8%
60–64	85%	15%

¹⁰¹ The Pine Bluff site added this question in October 2003.

28. Do you feel the information in the calendar has helped you to become more prepared for a possible chemical emergency?

	Yes	No
65+	96%	4%
Respondent Gender		
Male	97%	3%
Female	93%	7%
Respondent Ethnicity		
African American/Black	94%	6%
Caucasian/White	96%	4%
Respondent Time in the Vicinity		
5 years or less	96%	4%
6–10 years	94%	6%
11–15 years	99%	1%
16–20 years	94%	6%
More than 20 years	93%	7%
Respondent Education Level		
Some high school or less	90%	10%
High school graduate	98%	2%
Vocational or technical school	100%	---
Some college	89%	11%
College graduate	99%	1%
Some graduate work	95%	5%
Master's degree	98%	2%
PhD degree	81%	19%
Household Income of the Family		
Under \$15,000	96%	4%
\$15,000 - \$25,000	100%	---
\$25,000 - \$35,000	97%	3%

28. Do you feel the information in the calendar has helped you to become more prepared for a possible chemical emergency?

	Yes	No
\$35,000 - \$50,000	95%	5%
\$50,000 - \$75,000	89%	11%
Over \$75,000	98%	2%
Respondents with Children in School (K-12)		
Yes	100%	0%
No	93%	7%
Household Member is a First Responder or Local EMA Employee		
Yes	91%	9%
No	95%	5%
Household Member is an Employee of the Arsenal or Contractor of the Arsenal		
Yes, work for Pine Bluff Arsenal	93%	7%
Yes, contractor of the Pine Bluff Arsenal	97%	3%
No	94%	6%
Received CSEPP Information		
Received information	94%	6%
Not received information	95%	5%
Have Internet Access		
Yes	95%	5%
No	93%	7%
Have a Tone Alert Radio		
Yes	95%	5%
No	93%	7%
Confident in Ability to Shelter In Place		
Total confident	95%	5%
Total not confident	91%	9%

28. Do you feel the information in the calendar has helped you to become more prepared for a possible chemical emergency?

	Yes	No
Trust and Control Category		
Participants	96%	4%
Believers	94%	6%
Watchdogs	93%	7%
Cynics	78%	22%

29. What is your approximate age, please?

Table 93: Responses to Question 29

	18–29	30–34	35–44	45–54	55–59	60–64	65+
Total Sample	8%	5%	12%	20%	12%	10%	34%
County and IRZ/PAZ							
Arkansas County PAZ	3%	---	3%	20%	17%	10%	47%
Cleveland County PAZ	10%	7%	7%	20%	3%	10%	43%
Dallas County PAZ	10%	---	10%	17%	20%	17%	27%
Grant County IRZ	13%	4%	13%	29%	11%	5%	25%
Grant County PAZ	9%	3%	18%	20%	18%	9%	22%
Jefferson County IRZ	8%	5%	11%	21%	10%	10%	35%
Jefferson County PAZ	9%	4%	10%	20%	12%	9%	36%
Lincoln County PAZ	5%	5%	16%	24%	8%	11%	30%
Lonoke County PAZ	4%	11%	9%	23%	17%	8%	28%
Pulaski County PAZ	8%	6%	14%	16%	17%	11%	28%
Saline County PAZ	6%	5%	14%	19%	8%	12%	37%
Respondent Gender							
Male	7%	9%	10%	21%	12%	9%	31%
Female	8%	3%	13%	19%	12%	11%	35%
Respondent Ethnicity							
African American/Black	15%	4%	11%	22%	11%	10%	27%
Caucasian/White	5%	5%	13%	19%	12%	10%	36%
Respondent Time in the Vicinity							
5 years or less	18%	11%	16%	18%	11%	8%	18%
6–10 years	15%	3%	15%	25%	11%	9%	23%
11–15 years	9%	6%	17%	30%	14%	7%	17%
16–20 years	7%	4%	13%	20%	11%	15%	31%

29. What is your approximate age, please?

	18–29	30–34	35–44	45–54	55–59	60–64	65+
More than 20 years	3%	3%	9%	17%	12%	11%	44%
Respondent Education Level							
Some high school or less	4%	1%	1%	11%	6%	9%	68%
High school graduate	5%	5%	12%	17%	11%	11%	38%
Vocational or technical school	---	10%	19%	31%	6%	6%	28%
Some college	12%	3%	15%	26%	12%	8%	24%
College graduate	11%	9%	16%	21%	13%	10%	20%
Some graduate work	---	7%	16%	31%	14%	7%	24%
Master's degree	14%	4%	8%	11%	20%	20%	24%
PhD degree	10%	---	9%	15%	24%	17%	25%
Household Income of the Family							
Under \$15,000	8%	0%	3%	17%	8%	8%	55%
\$15,000 – <\$25,000	13%	6%	13%	11%	7%	11%	39%
\$25,000 – <\$35,000	15%	7%	11%	14%	11%	8%	33%
\$35,000 – <\$50,000	8%	5%	20%	25%	9%	9%	23%
\$50,000 – <\$75,000	6%	6%	16%	27%	14%	10%	20%
Over \$75,000	2%	7%	18%	24%	20%	13%	15%
Respondents with Children in School (K–12)							
Yes	12%	12%	33%	24%	9%	3%	6%
No	7%	3%	6%	18%	13%	12%	42%
Household Member is a First Responder or Local EMA Employee							
Yes	8%	12%	24%	21%	7%	5%	21%
No	8%	4%	11%	19%	12%	11%	35%
Household Member is an Employee of the Arsenal or Contractor of the Arsenal							
Yes, work for Pine Bluff Arsenal	11%	0%	17%	24%	5%	8%	35%

29. What is your approximate age, please?

	18-29	30-34	35-44	45-54	55-59	60-64	65+
Yes, contractor of the Pine Bluff Arsenal	2%	---	11%	21%	19%	11%	36%
No	8%	5%	12%	19%	12%	10%	34%
Received CSEPP Information							
Received information	9%	5%	14%	21%	12%	10%	30%
Not received information	5%	5%	9%	17%	12%	10%	42%
Read the Annual Arkansas Emergency Preparedness Calendar							
Yes	4%	4%	14%	22%	16%	9%	30%
No, have not read it	8%	5%	9%	21%	14%	13%	30%
No, have not received a calendar	9%	5%	12%	19%	10%	10%	36%
Have Internet Access							
Yes	10%	7%	16%	23%	14%	9%	21%
No	3%	1%	5%	13%	8%	12%	56%
Have a Tone Alert Radio							
Yes	7%	4%	11%	18%	11%	11%	7%
No	10%	6%	11%	24%	9%	9%	10%
Confident in Ability to Shelter In Place							
Total confident	8%	5%	13%	21%	12%	9%	32%
Total not confident	7%	5%	11%	18%	11%	12%	36%
Trust and Control Category							
Participants	8%	6%	14%	20%	12%	9%	32%
Believers	5%	3%	10%	18%	10%	12%	42%
Watchdogs	15%	8%	14%	19%	10%	7%	28%
Cynics	6%	1%	9%	20%	18%	13%	34%

30. Gender

Table 94: Responses to Question 30

	Male	Female
Total Sample	29%	71%
County and IRZ/PAZ		
Arkansas County PAZ	30%	70%
Cleveland County PAZ	29%	71%
Dallas County PAZ	10%	90%
Grant County IRZ	22%	78%
Grant County PAZ	30%	70%
Jefferson County IRZ	26%	74%
Jefferson County PAZ	36%	64%
Lincoln County PAZ	32%	68%
Lonoke County PAZ	23%	77%
Pulaski County PAZ	21%	79%
Saline County PAZ	28%	72%
Respondent Age		
18–29	28%	72%
30–34	53%	47%
35–44	25%	75%
45–54	32%	68%
55–59	30%	70%
60–64	25%	75%
65+	24%	76%
Respondent Ethnicity		
African American/Black	30%	70%
Caucasian/White	29%	71%

	Male	Female
Respondent Time in the Vicinity		
5 years or less	31%	69%
6–10 years	35%	65%
11–15 years	32%	68%
16–20 years	25%	75%
More than 20 years	28%	72%
Respondent Education Level		
Some high school or less	25%	75%
High school graduate	23%	77%
Vocational or technical school	38%	62%
Some college	31%	69%
College graduate	36%	64%
Some graduate work	41%	59%
Master's degree	39%	61%
PhD degree	30%	70%
Household Income of the Family		
Under \$15,000	15%	85%
\$15,000 - \$25,000	32%	68%
\$25,000 - \$35,000	25%	75%
\$35,000 - \$50,000	27%	73%
\$50,000 - \$75,000	49%	51%
Over \$75,000	44%	56%
Respondents with Children in School (K–12)		
Yes	31%	69%
No	29%	71%

	Male	Female
Household Member is a First Responder or Local EMA Employee		
Yes	37%	63%
No	29%	71%
Household Member is an Employee of the Arsenal or Contractor of the Arsenal		
Yes, work for Pine Bluff Arsenal	31%	69%
Yes, contractor of the Pine Bluff Arsenal	20%	80%
No	30%	70%
Received CSEPP Information		
Received information	31%	69%
Not received information	26%	74%
Read the Annual Arkansas Emergency Preparedness Calendar		
Yes	32%	68%
No, have not read it	27%	73%
No, have not received a calendar	29%	71%
Have Internet Access		
Yes	35%	65%
No	20%	80%
Have a Tone Alert Radio		
Yes	27%	73%
No	25%	75%
Confident in Ability to Shelter In Place		
Total confident	33%	67%
Total not confident	25%	75%
Trust and Control Category		
Participants	32%	68%

	Male	Female
Believers	29%	71%
Watchdogs	34%	66%
Cynics	17%	83%

31. Are you of Hispanic or Latino origin?¹⁰²

Cross tabulations are not provided due to the small number of Hispanic or Latino residents sampled.

31b. What is your race? Please select one or more. Are you...¹⁰³

Note: Responses from question 31 and 31b are summarized in the table below for ethnic groups that have at least 30 respondents in each.

Table 95: Responses to Question 31 and 31b

	Caucasian/White	African American/Black
Total Sample	77%	23%
County and IRZ/PAZ		
Arkansas County PAZ	85%	15%
Cleveland County PAZ	83%	17%
Dallas County PAZ	55%	45%
Grant County IRZ	94%	6%
Grant County PAZ	100%	---
Jefferson County IRZ	66%	34%
Jefferson County PAZ	62%	38%
Lincoln County PAZ	80%	20%
Lonoke County PAZ	74%	26%
Pulaski County PAZ	60%	40%
Saline County PAZ	97%	3%
Respondent Age		
18–29	54%	46%
30–34	78%	22%
35–44	79%	21%

¹⁰² The Pine Bluff site added this question in August 2005 in order to be compliant with the Office of Management and Budget’s (OMB) guidelines.

¹⁰³ The Pine Bluff site modified the wording of this question in August 2005 in order to be compliant with OMB guidelines. In previous survey this question read: “What is your ethnic background?”

**31. Are you of Hispanic or Latino origin?
31b. What is your race? Please select one or more. Are you...**

	Caucasian/White	African American/Black
45–54	74%	26%
55–59	77%	23%
60–64	77%	23%
65+	81%	19%
Respondent Gender		
Male	76%	24%
Female	77%	23%
Respondent Time in the Vicinity		
5 years or less	73%	27%
6–10 years	81%	19%
11–15 years	70%	30%
16–20 years	70%	30%
More than 20 years	79%	21%
Respondent Education Level		
Some high school or less	66%	34%
High school graduate	80%	20%
Vocational or technical school	88%	12%
Some college	77%	23%
College graduate	77%	23%
Some graduate work	81%	19%
Master's degree	69%	31%
PhD degree	67%	33%
Household Income of the Family		
Under \$15,000	67%	33%
\$15,000 - \$25,000	72%	28%
\$25,000 - \$35,000	79%	21%

31. Are you of Hispanic or Latino origin?

31b. What is your race? Please select one or more. Are you...

	Caucasian/White	African American/Black
\$35,000 - \$50,000	74%	26%
\$50,000 - \$75,000	82%	18%
Over \$75,000	89%	11%
Respondents with Children in School (K-12)		
Yes	69%	31%
No	79%	21%
Household Member is a First Responder or Local EMA Employee		
Yes	87%	13%
No	76%	24%
Household Member is an Employee of the Arsenal or Contractor of the Arsenal		
Yes, work for Pine Bluff Arsenal	74%	26%
Yes, contractor of the Pine Bluff Arsenal	80%	20%
No	77%	23%
Received CSEPP Information		
Received information	76%	24%
Not received information	77%	23%
Read the Annual Arkansas Emergency Preparedness Calendar		
Yes	70%	30%
No, have not read it	71%	29%
No, have not received a calendar	79%	21%
Have Internet Access		
Yes	80%	20%
No	71%	29%
Have a Tone Alert Radio		
Yes	82%	18%

31. Are you of Hispanic or Latino origin?
31b. What is your race? Please select one or more. Are you...

	Caucasian/White	African American/Black
No	54%	46%
Confident in Ability to Shelter In Place		
Total confident	75%	25%
Total not confident	79%	21%
Trust and Control Category		
Participants	79%	21%
Believers	74%	26%
Watchdogs	77%	23%
Cynics	72%	28%

32. How long have you lived in the area?¹⁰⁴

Table 96: Responses to Question 32

	5 years or less	6–10 years	11–15 years	16–20 years	More than 20 years
Total Sample	16%	12%	10%	8%	55%
County and IRZ/PAZ					
Arkansas County PAZ	17%	10%	7%	---	67%
Cleveland County PAZ	13%	10%	3%	3%	70%
Dallas County PAZ	10%	10%	7%	7%	67%
Grant County IRZ	9%	25%	4%	7%	55%
Grant County PAZ	11%	15%	13%	8%	53%
Jefferson County IRZ	17%	12%	9%	5%	57%
Jefferson County PAZ	14%	11%	9%	9%	56%
Lincoln County PAZ	14%	3%	5%	8%	70%
Lonoke County PAZ	17%	15%	6%	4%	58%
Pulaski County PAZ	17%	8%	9%	13%	53%
Saline County PAZ	18%	13%	11%	7%	50%
Respondent Age					
18–29	35%	24%	11%	7%	23%
30–34	36%	7%	12%	6%	39%
35–44	21%	14%	13%	8%	43%
45–54	14%	15%	15%	8%	48%
55–59	14%	11%	11%	7%	56%
60–64	13%	10%	6%	12%	59%
65+	8%	8%	5%	7%	72%

¹⁰⁴ In November 2002, this question read: “How long have you lived in the vicinity of the Pine Bluff Arsenal?”

32. How long have you lived in the area?

	5 years or less	6–10 years	11–15 years	16–20 years	More than 20 years
Respondent Gender					
Male	16%	14%	10%	7%	52%
Female	15%	11%	9%	8%	56%
Respondent Ethnicity					
African American/Black	15%	13%	9%	7%	56%
Caucasian/White	18%	10%	12%	10%	49%
Respondent Education Level					
Some high school or less	15%	16%	5%	6%	59%
High school graduate	11%	11%	8%	9%	61%
Vocational or technical school	8%	5%	4%	11%	73%
Some college	15%	14%	10%	8%	52%
College graduate	22%	11%	17%	7%	43%
Some graduate work	22%	6%	14%	---	57%
Master's degree	26%	10%	5%	7%	51%
PhD degree	25%	20%	13%	5%	38%
Household Income of the Family					
Under \$15,000	13%	15%	6%	10%	57%
\$15,000 – <\$25,000	11%	16%	12%	5%	56%
\$25,000 – <\$35,000	26%	8%	4%	9%	53%
\$35,000 – <\$50,000	14%	13%	12%	8%	53%
\$50,000 – <\$75,000	14%	9%	13%	6%	59%
Over \$75,000	22%	12%	12%	8%	45%
Respondents with Children in School (K–12)					
Yes	21%	14%	11%	7%	47%
No	14%	11%	9%	8%	57%

32. How long have you lived in the area?

	5 years or less	6–10 years	11–15 years	16–20 years	More than 20 years
Household Member is a First Responder or Local EMA Employee					
Yes	14%	13%	14%	6%	53%
No	16%	12%	9%	8%	55%
Household Member is an Employee of the Arsenal or Contractor of the Arsenal					
Yes, work for Pine Bluff Arsenal	13%	15%	8%	11%	52%
Yes, contractor of the Pine Bluff Arsenal	11%	20%	3%	14%	51%
No	16%	11%	10%	7%	55%
Received CSEPP Information					
Received information	14%	12%	10%	8%	55%
Not received information	20%	11%	8%	7%	54%
Read the Annual Arkansas Emergency Preparedness Calendar					
Yes	8%	12%	11%	10%	59%
No, have not read it	14%	15%	13%	8%	50%
No, have not received a calendar	19%	12%	8%	7%	54%
Have Internet Access					
Yes	19%	13%	12%	8%	48%
No	10%	11%	5%	7%	67%
Have a Tone Alert Radio					
Yes	14%	14%	6%	5%	61%
No	18%	12%	11%	5%	54%
Confident in Ability to Shelter In Place					
Total confident	14%	13%	9%	8%	55%
Total not confident	18%	10%	10%	8%	55%
Trust and Control Category					
Participants	13%	13%	11%	8%	56%
Believers	20%	12%	6%	7%	56%

32. How long have you lived in the area?

	5 years or less	6–10 years	11–15 years	16–20 years	More than 20 years
Watchdogs	21%	13%	9%	8%	48%
Cynics	15%	9%	11%	8%	56%

33. What is the highest level of education you have completed?¹⁰⁵

Table 97: Responses to Question 33

	High school graduate	Some college	College graduate	Some high school or less	Master's degree	Vocational	Some graduate work	PhD
Total Sample	33%	24%	16%	13%	5%	4%	3%	2%
County and IRZ/PAZ								
Arkansas County PAZ	57%	20%	10%	13%	---	---	---	---
Cleveland County PAZ	33%	20%	10%	27%	---	7%	---	3%
Dallas County PAZ	30%	27%	13%	20%	3%	7%	---	---
Grant County IRZ	54%	17%	7%	11%	7%	2%	2%	---
Grant County PAZ	39%	23%	17%	10%	2%	6%	2%	1%
Jefferson County IRZ	26%	25%	15%	16%	9%	3%	3%	
Jefferson County PAZ	29%	29%	15%	13%	5%	3%	3%	3%
Lincoln County PAZ	49%	16%	3%	11%	11%	5%	3%	3%
Lonoke County PAZ	31%	19%	17%	15%	8%	8%	2%	---
Pulaski County PAZ	46%	13%	19%	13%	2%	3%	1%	3%
Saline County PAZ	34%	25%	19%	10%	4%	4%	4%	2%
Respondent Age								
18–29	23%	37%	22%	7%	9%	---	---	3%
30–34	34%	15%	32%	3%	4%	8%	4%	---
35–44	32%	30%	21%	1%	3%	6%	4%	2%
45–54	29%	32%	17%	7%	3%	6%	4%	2%
55–59	32%	25%	18%	7%	8%	2%	3%	4%
60–64	35%	20%	16%	11%	10%	2%	2%	4%

¹⁰⁵ The Pine Bluff site added this question in October 2003.

33. What is the highest level of education you have completed?

	High school graduate	Some college	College graduate	Some high school or less	Master's degree	Vocational	Some graduate work	PhD
65+	38%	17%	10%	25%	3%	3%	2%	2%
Respondent Gender								
Male	26%	26%	20%	11%	7%	5%	4%	2%
Female	36%	23%	15%	13%	4%	3%	2%	2%
Respondent Ethnicity								
African American/Black	29%	24%	15%	18%	7%	2%	2%	3%
Caucasian/White	35%	25%	16%	11%	5%	5%	3%	2%
Respondent Time in the Vicinity								
5 years or less	24%	23%	23%	12%	8%	2%	4%	3%
6–10 years	30%	28%	14%	17%	4%	2%	1%	4%
11–15 years	29%	25%	29%	6%	3%	1%	4%	3%
16–20 years	37%	26%	15%	10%	4%	5%	---	1%
More than 20 years	37%	23%	13%	14%	5%	5%	3%	1%
Household Income of the Family								
Under \$15,000	43%	16%	7%	32%	0%	2%	---	1%
\$15,000 – <\$25,000	44%	21%	9%	18%	2%	4%	1%	---
\$25,000 – <\$35,000	36%	24%	14%	11%	4%	7%	1%	2%
\$35,000 – <\$50,000	30%	35%	15%	4%	6%	6%	2%	1%
\$50,000 – <\$75,000	21%	25%	29%	3%	8%	4%	7%	3%
Over \$75,000	17%	26%	28%	0%	12%	3%	6%	7%
Respondents with Children in School (K–12)								
Yes	33%	26%	19%	6%	5%	7%	2%	2%
No	33%	24%	15%	15%	5%	3%	3%	2%
Household Member is a First Responder or Local EMA Employee								
Yes	31%	24%	20%	9%	6%	5%	3%	2%

33. What is the highest level of education you have completed?

	High school graduate	Some college	College graduate	Some high school or less	Master's degree	Vocational	Some graduate work	PhD
No	33%	24%	16%	13%	5%	4%	3%	2%
Household Member is an Employee of the Arsenal or Contractor of the Arsenal								
Yes, work for Pine Bluff Arsenal	32%	29%	16%	15%	2%	1%	3%	1%
Yes, contractor of the Pine Bluff Arsenal	34%	29%	7%	13%	2%	3%	8%	4%
No	33%	24%	17%	13%	5%	4%	2%	2%
Received CSEPP Information								
Received information	31%	27%	18%	8%	5%	4%	4%	3%
Not received information	39%	17%	11%	23%	4%	4%	1%	1%
Read the Annual Arkansas Emergency Preparedness Calendar								
Yes	27%	31%	17%	9%	8%	2%	3%	3%
No, have not read it	42%	23%	15%	6%	4%	3%	3%	4%
No, have not received a calendar	35%	22%	16%	15%	4%	5%	3%	2%
Have Internet Access								
Yes	27%	30%	22%	4%	7%	4%	4%	3%
No	44%	15%	6%	28%	2%	3%	1%	1%
Have a Tone Alert Radio								
Yes	27%	27%	15%	13%	9%	4%	3%	1%
No	28%	22%	15%	18%	9%	2%	3%	3%
Confident in Ability to Shelter In Place								
Total confident	31%	27%	18%	11%	4%	4%	2%	3%
Total not confident	36%	21%	14%	14%	6%	3%	4%	1%

33. What is the highest level of education you have completed?

	High school graduate	Some college	College graduate	Some high school or less	Master's degree	Vocational	Some graduate work	PhD
Trust and Control Category								
Participants	34%	25%	16%	10%	5%	5%	3%	2%
Believers	33%	20%	16%	17%	6%	3%	3%	2%
Watchdogs	30%	30%	19%	9%	5%	0%	4%	2%
Cynics	32%	24%	13%	20%	3%	5%	1%	2%

34. Which of the following best describes your family's income?¹⁰⁶

Table 98: Responses to Question 34

	Under \$15,000	\$15,000 – <\$25,000	\$25,000 – <\$35,000	\$35,000 – <\$50,000	\$50,000 – <\$75,000	Over \$75,000
Total Sample	15%	12%	12%	14%	16%	11%
County and IRZ/PAZ						
Arkansas County PAZ	13%	23%	17%	10%	7%	13%
Cleveland County PAZ	16%	3%	13%	23%	19%	---
Dallas County PAZ	23%	19%	16%	13%	6%	6%
Grant County IRZ	11%	16%	5%	15%	20%	18%
Grant County PAZ	12%	8%	13%	14%	16%	14%
Jefferson County IRZ	13%	16%	14%	17%	11%	12%
Jefferson County PAZ	17%	11%	10%	14%	22%	9%
Lincoln County PAZ	30%	8%	16%	11%	16%	14%
Lonoke County PAZ	15%	17%	4%	13%	15%	11%
Pulaski County PAZ	12%	12%	11%	14%	12%	9%
Saline County PAZ	14%	14%	16%	14%	14%	11%
Respondent Age						
18–29	16%	21%	24%	14%	13%	3%
30–34	1%	15%	19%	16%	21%	15%
35–44	4%	13%	12%	24%	21%	16%
45–54	13%	7%	9%	19%	23%	13%
55–59	10%	7%	11%	11%	20%	18%
60–64	13%	13%	10%	13%	16%	14%
65+	25%	14%	12%	10%	10%	5%
Respondent Gender						
Male	8%	13%	11%	13%	26%	16%

¹⁰⁶ The Pine Bluff site added this question in October 2003.

34. Which of the following best describes your family's income?

	Under \$15,000	\$15,000 – <\$25,000	\$25,000 – <\$35,000	\$35,000 – <\$50,000	\$50,000 – <\$75,000	Over \$75,000
Female	18%	12%	13%	15%	12%	8%
Respondent Ethnicity						
African American/Black	22%	15%	11%	16%	12%	5%
Caucasian/White	13%	12%	13%	14%	17%	13%
Respondent Time in the Vicinity						
5 years or less	13%	9%	21%	13%	14%	15%
6–10 years	19%	16%	8%	16%	12%	11%
11–15 years	9%	15%	5%	18%	21%	14%
16–20 years	19%	9%	15%	14%	12%	11%
More than 20 years	16%	13%	12%	14%	17%	9%
Respondent Education Level						
Some high school or less	38%	18%	11%	5%	4%	0%
High school graduate	19%	16%	14%	13%	10%	6%
Vocational or technical school	6%	14%	24%	22%	17%	8%
Some college	10%	11%	13%	21%	17%	11%
College graduate	7%	7%	11%	13%	29%	19%
Some graduate work	---	3%	5%	13%	43%	22%
Master's degree	1%	5%	10%	18%	26%	26%
PhD degree	7%	---	11%	10%	22%	36%
Respondents with Children in School (K–12)						
Yes	9%	12%	14%	20%	20%	13%
No	17%	12%	12%	13%	15%	10%
Household Member is a First Responder or Local EMA Employee						
Yes	7%	10%	9%	13%	35%	14%
No	16%	12%	13%	14%	14%	10%

34. Which of the following best describes your family's income?

	Under \$15,000	\$15,000 – <\$25,000	\$25,000 – <\$35,000	\$35,000 – <\$50,000	\$50,000 – <\$75,000	Over \$75,000
Household Member is an Employee of the Arsenal or Contractor of the Arsenal						
Yes, work for Pine Bluff Arsenal	23%	11%	12%	12%	19%	14%
Yes, contractor of the Pine Bluff Arsenal	16%	11%	10%	23%	17%	5%
No	15%	12%	13%	14%	16%	11%
Received CSEPP Information						
Received information	13%	10%	13%	15%	19%	12%
Not received information	20%	16%	10%	12%	10%	7%
Read the Annual Arkansas Emergency Preparedness Calendar						
Yes	11%	11%	12%	18%	21%	11%
No, have not read it	12%	10%	17%	12%	21%	8%
No, have not received a calendar	17%	13%	12%	13%	14%	11%
Have Internet Access						
Yes	5%	9%	13%	17%	22%	15%
No	31%	19%	11%	9%	5%	2%
Have a Tone Alert Radio						
Yes	12%	14%	13%	16%	15%	13%
No	14%	19%	14%	17%	7%	11%
Confident in Ability to Shelter In Place						
Total confident	13%	13%	12%	15%	17%	10%
Total not confident	17%	11%	13%	13%	15%	11%
Trust and Control Category						
Participants	11%	12%	13%	15%	18%	11%
Believers	22%	11%	13%	10%	15%	8%
Watchdogs	10%	13%	11%	18%	9%	19%
Cynics	25%	15%	10%	14%	14%	5%

35. Do you have access to the Internet?

Table 99: Responses to Question 35

	Yes	No
Total Sample	63%	37%
County and IRZ/PAZ		
Arkansas County PAZ	37%	63%
Cleveland County PAZ	48%	52%
Dallas County PAZ	48%	52%
Grant County IRZ	60%	40%
Grant County PAZ	69%	31%
Jefferson County IRZ	64%	36%
Jefferson County PAZ	59%	41%
Lincoln County PAZ	65%	35%
Lonoke County PAZ	51%	49%
Pulaski County PAZ	57%	43%
Saline County PAZ	72%	28%
Respondent Age		
18–29	85%	15%
30–34	89%	11%
35–44	84%	16%
45–54	75%	25%
55–59	73%	27%
60–64	55%	45%
65+	39%	61%
Respondent Gender		
Male	74%	26%
Female	58%	42%

35. Do you have access to the Internet?

	Yes	No
Respondent Ethnicity		
African American/Black	66%	34%
Caucasian/White	55%	45%
Respondent Time in the Vicinity		
5 years or less	77%	23%
6–10 years	68%	32%
11–15 years	80%	20%
16–20 years	65%	35%
More than 20 years	55%	45%
Respondent Education Level		
Some high school or less	20%	80%
High school graduate	51%	49%
Vocational or technical school	70%	30%
Some college	77%	23%
College graduate	86%	14%
Some graduate work	92%	8%
Master's degree	85%	15%
PhD degree	75%	25%
Household Income of the Family		
Under \$15,000	23%	77%
\$15,000 – <\$25,000	44%	56%
\$25,000 – <\$35,000	68%	32%
\$35,000 – <\$50,000	77%	23%
\$50,000 – <\$75,000	87%	13%
Over \$75,000	93%	7%

	Yes	No
Respondents with Children in School (K–12)		
Yes	83%	17%
No	57%	43%
Household Member is a First Responder or Local EMA Employee		
Yes	81%	19%
No	62%	38%
Household Member is an Employee of the Arsenal or Contractor of the Arsenal		
Yes, work for Pine Bluff Arsenal	58%	42%
Yes, contractor of the Pine Bluff Arsenal	64%	36%
No	63%	37%
Received CSEPP Information		
Received information	69%	31%
Not received information	51%	49%
Read the Annual Arkansas Emergency Preparedness Calendar		
Yes	71%	29%
No, have not read it	60%	40%
No, have not received a calendar	61%	39%
Have a Tone Alert Radio		
Yes	68%	32%
No	59%	41%
Confident in Ability to Shelter In Place		
Total confident	63%	37%
Total not confident	63%	37%
Trust and Control Category		
Participants	65%	35%

35. Do you have access to the Internet?

	Yes	No
Believers	57%	43%
Watchdogs	76%	24%
Cynics	55%	45%

36. Are you, or any member of your household, a member of the local emergency management or first responder community (e.g., fire, police, etc.)?¹⁰⁷

Table 100: Responses to Question 36

	Yes	No
Total Sample	7%	93%
County and IRZ/PAZ		
Arkansas County PAZ	10%	90%
Cleveland County PAZ	16%	84%
Dallas County PAZ	23%	77%
Grant County IRZ	11%	89%
Grant County PAZ	8%	92%
Jefferson County IRZ	6%	94%
Jefferson County PAZ	8%	92%
Lincoln County PAZ	8%	92%
Lonoke County PAZ	9%	91%
Pulaski County PAZ	6%	94%
Saline County PAZ	8%	92%
Respondent Age		
18–29	8%	92%
30–34	18%	82%
35–44	15%	85%
45–54	8%	92%
55–59	5%	95%
60–64	4%	96%
65+	5%	95%

¹⁰⁷ In October 2003, this question read: “Are you a member of the local emergency management or first responder community (fire, police, etc.)?”

36. Are you, or any member of your household, a member of the local emergency management or first responder community (e.g., fire, police, etc.)?

	Yes	No
Respondent Gender		
Male	9%	91%
Female	7%	93%
Respondent Ethnicity		
African American/Black	4%	96%
Caucasian/White	9%	91%
Respondent Time in the Vicinity		
5 years or less	7%	93%
6–10 years	8%	92%
11–15 years	11%	89%
16–20 years	6%	94%
More than 20 years	7%	93%
Respondent Education Level		
Some high school or less	5%	95%
High school graduate	7%	93%
Vocational or technical school	9%	91%
Some college	7%	93%
College graduate	10%	90%
Some graduate work	7%	93%
Master's degree	10%	90%
PhD degree	7%	93%
Household Income of the Family		
Under \$15,000	4%	96%
\$15,000 – <\$25,000	6%	94%
\$25,000 – <\$35,000	6%	94%
\$35,000 – <\$50,000	7%	93%

36. Are you, or any member of your household, a member of the local emergency management or first responder community (e.g., fire, police, etc.)?

	Yes	No
\$50,000 – <\$75,000	16%	84%
Over \$75,000	10%	90%
Respondents with Children in School (K–12)		
Yes	13%	87%
No	6%	94%
Household Member is an Employee of the Arsenal or Contractor of the Arsenal		
Yes, work for Pine Bluff Arsenal	16%	84%
Yes, contractor of the Pine Bluff Arsenal	2%	98%
No	7%	93%
Received CSEPP Information		
Received information	8%	92%
Not received information	6%	94%
Read the Annual Arkansas Emergency Preparedness Calendar		
Yes	12%	88%
No, have not read it	6%	94%
No, have not received a calendar	6%	94%
Have Internet Access		
Yes	10%	90%
No	4%	96%
Have a Tone Alert Radio		
Yes	12%	88%
No	5%	95%
Confident in Ability to Shelter In Place		
Total confident	8%	92%

36. Are you, or any member of your household, a member of the local emergency management or first responder community (e.g., fire, police, etc.)?

	Yes	No
Total not confident	6%	94%
Trust and Control Category		
Participants	9%	91%
Believers	4%	96%
Watchdogs	11%	89%
Cynics	6%	94%

37. Are you, or any member of your household, employed by the Pine Bluff Arsenal?

Table 101: Responses to Question 37

	Yes, Pine Bluff Arsenal employee	Yes, contractor of the Pine Bluff Arsenal	No
Total Sample	4%	5%	91%
County and IRZ/PAZ			
Arkansas County PAZ	10%	3%	87%
Cleveland County PAZ	13%	3%	84%
Dallas County PAZ	---	---	100%
Grant County IRZ	7%	5%	87%
Grant County PAZ	2%	1%	97%
Jefferson County IRZ	9%	8%	84%
Jefferson County PAZ	6%	4%	90%
Lincoln County PAZ	11%	5%	84%
Lonoke County PAZ	---	4%	96%
Pulaski County PAZ	---	9%	91%
Saline County PAZ	1%	6%	93%
Respondent Age			
18–29	6%	2%	92%
30–34	0%	---	100%
35–44	6%	5%	90%
45–54	5%	6%	89%
55–59	2%	8%	90%
60–64	3%	6%	91%
65+	4%	5%	90%
Respondent Gender			
Male	4%	3%	92%

37. Are you, or any member of your household, employed by the Pine Bluff Arsenal?

	Yes, Pine Bluff Arsenal employee	Yes, contractor of the Pine Bluff Arsenal	No
Female	4%	6%	90%
Respondent Ethnicity			
African American/Black	5%	4%	91%
Caucasian/White	4%	5%	91%
Respondent Time in the Vicinity			
5 years or less	4%	4%	93%
6–10 years	5%	9%	86%
11–15 years	3%	1%	95%
16–20 years	6%	10%	84%
More than 20 years	4%	5%	91%
Respondent Education Level			
Some high school or less	5%	5%	90%
High school graduate	4%	5%	91%
Vocational or technical school	1%	4%	95%
Some college	5%	6%	89%
College graduate	4%	2%	93%
Some graduate work	5%	15%	80%
Master's degree	2%	3%	96%
PhD degree	2%	8%	90%
Household Income of the Family			
Under \$15,000	6%	5%	88%
\$15,000 – <\$25,000	4%	5%	92%
\$25,000 – <\$35,000	4%	4%	92%
\$35,000 – <\$50,000	4%	8%	88%
\$50,000 – <\$75,000	5%	5%	90%

37. Are you, or any member of your household, employed by the Pine Bluff Arsenal?

	Yes, Pine Bluff Arsenal employee	Yes, contractor of the Pine Bluff Arsenal	No
Over \$75,000	5%	2%	92%
Respondents with Children in School (K-12)			
Yes	4%	5%	91%
No	4%	5%	91%
Household Member is a First Responder or Local EMA Employee			
Yes	9%	1%	90%
No	4%	5%	91%
Received CSEPP Information			
Received information	5%	5%	90%
Not received information	2%	5%	93%
Read the Annual Arkansas Emergency Preparedness Calendar			
Yes	9%	6%	85%
No, have not read it	8%	11%	80%
No, have not received a calendar	2%	4%	94%
Have Internet Access			
Yes	4%	5%	91%
No	5%	5%	90%
Have a Tone Alert Radio			
Yes	10%	7%	82%
No	7%	8%	86%
Confident in Ability to Shelter In Place			
Total confident	6%	5%	89%
Total not confident	2%	5%	93%
Trust and Control Category			
Participants	6%	5%	89%
Believers	1%	5%	93%

37. Are you, or any member of your household, employed by the Pine Bluff Arsenal?

	Yes, Pine Bluff Arsenal employee	Yes, contractor of the Pine Bluff Arsenal	No
Watchdogs	1%	5%	94%
Cynics	2%	5%	93%

Points of Contact

The primary IEM point of contact for this project is Sangeeta Singh. She may be reached at:

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The alternate point of contact is:

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