

Newport CSEPP Public Survey Report

Survey collected: July and August 2005

February 7, 2006



FEMA

Prepared For

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Contract: GS35F0312J
PO: BPA# EME-2001-BP-0016
Call Order: 1000505

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This document was prepared for DHS/FEMA by IEM, Inc., 8555 United Plaza Blvd., Baton Rouge, LA 70809.

IEM/TEC06-002 02/07/06

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EXECUTIVE SUMMARY

From 1962-1968, Newport Chemical Depot manufactured chemical agent VX for the United States defense stockpile. In 1969, President Nixon issued a decree to halt production and transport of chemical weapons, including the last two lots of VX produced at Newport. On May 5, 2005, Newport Chemical Depot began neutralizing the remaining chemical agent VX. The U.S. Army and Federal Emergency Management Agency jointly manage a program called the Chemical Stockpile Emergency Preparedness Program (CSEPP) to help make the depot and surrounding community ready in the event of chemical release.

The Newport Chemical Stockpile Emergency Preparedness Program (CSEPP) uses surveys to measure the effectiveness of its public outreach efforts. A mail survey was conducted in July and August 2005. A total of 1,771 residents living within the Newport Chemical Depot emergency planning zones (EPZs) responded to the survey.

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

- Parke County, IN IRZ
- Parke County, IN PAZ
- Vermillion County, IN IRZ
- Vermillion County, IN PAZ
- Fountain County, IN PAZ
- Edgar County, IL PAZ
- Vermilion County, IL PAZ

This survey effort is an outgrowth of the current work being undertaken by the Newport CSEPP community and the National CSEPP Public Affairs Integrated Process Team (IPT).

Key Findings

This section highlights the key survey results. As noted in this section below, many residents' knowledge and confidence has grown since they were last surveyed in December 2002 (also by IEM). All tabulated responses are provided in Appendix A: Survey Text and Tabulations.

Alert

- The majority of all residents (95%) expect to be alerted of a chemical emergency at the Newport Chemical Depot through an IAS/weather radio, siren, TV, and/or AM/FM radio.
 - More Parke County, IN IRZ residents (73%) answered siren compared to the other County-EPZ groups (40–61%).
 - Vermillion County, IN IRZ has the highest percentage of residents who answered IAS/weather radio (74%), followed by Parke County, IN IRZ residents (55%).
 - More Edgar County, IL PAZ residents answered family or friend (53%) compared to the other groups (30–41%).
- Only 1% of all residents indicate they do not know how they would be alerted.
- 61% of residents are confident they will be notified quickly in the event of a chemical emergency.
 - More Parke County, IN IRZ residents (77%) are confident compared to the other County-EPZ groups (51–66%).

Shelter In Place

- When asked what actions they would take when asked to shelter in place, respondents provided answers which have been categorized into the following steps:
 - Step 1: Go inside or stay inside¹, 93%
 - Step 2: Shut doors and windows, 76%
 - Step 3: Shut off heating and cooling systems, 61%
 - Step 4: Go into an interior or shelter room, 60%
 - Step 5: Seal doors and windows of shelter room, 51%
 - Step 6: Listen to AM/FM radio, TV, or IAS/weather radio for further instructions from emergency officials, 79%
- 30% of EPZ residents indicate they would take all of the shelter-in-place steps 1–6.
- In similar public surveys collected at other CSEPP sites, residents often did not indicate that they would shut off heating and cooling systems when instructed to shelter in place. Over six-in-ten Newport EPZ residents indicate they will take this shelter-in-place step (61%).

¹ This category includes all responses that indicate the resident would go or stay inside.

Evacuate

- When residents were asked what steps they would take if asked to evacuate, the most common response was listen to an IAS/weather radio, AM/FM radio, and/or TV for further instructions (84%).
 - More Fountain County, IN PAZ residents indicate they would check the wind direction (70%) compared to other County-EPZ groups (53–63%).
 - More Vermillion County, IN IRZ residents (62%) and Parke County, IN IRZ residents (53%) indicate they will listen specifically to an IAS/weather radio compared to other County-EPZ groups (15–33%).

Emergency Plans

- 31% of all residents indicate they have a family emergency plan, known as a family preparedness plan in Newport’s outreach materials.
- 95% are familiar with the major roads and highways in the area.
- 32% have a disaster supply kit (emergency supplies such as food, water, medications, first aid supplies, flashlight, and battery-operated radio).
 - More Parke County, IN IRZ residents (43%) and Vermillion County, IN IRZ residents (45%) have a disaster supply kit compared to other County-EPZ groups (22–36%).
- 31% have a family meeting place.
- 21% have a shelter-in-place kit.
 - More Parke County, IN IRZ residents (52%) and Vermillion County, IN IRZ residents (45%) have a shelter-in-place kit compared to other County-EPZ groups (6–27%).
- In summary, 9% of residents indicate they are familiar with the major roads and highways in their area, have a disaster supply kit, have a family meeting place, and have a shelter-in-place kit.

School Preparedness (K–12)

- 35% of parents/grandparents are familiar with the school’s emergency plan.
 - More Parke County, IN IRZ parents/grandparents (54%) and Vermillion County, IN IRZ parents/grandparents (56%) are familiar with the school’s emergency plan compared to other County-EPZ parents/grandparents (17–39%).
- 64% of parents/grandparents are confident their children/grandchildren will be safe in the care of their school during a chemical emergency.

- More Parke County, IN IRZ parents/grandparents (77%) and Vermillion County, IN IRZ parents/grandparents (75%) are confident compared to other County-EPZ parents/grandparents (53–64%).
- 78% of parents/grandparents are likely to get their children/grandchildren from school during a chemical emergency. However, only 18% intend to get them immediately, and the other 60% intend to get them when notified it is safe to pick them up.

Sources of CSEPP Outreach information

- The top responses for all residents regarding how they have received CSEPP information are: Informational pamphlet or flier (39%), newspaper (39%), word-of-mouth (30%), and direct mail (29%).
 - More Parke County, IN IRZ residents (62%) and Vermillion County, IN IRZ residents (58%) have received CSEPP information from an informational pamphlet or flier compared to other County-EPZ groups (17–45%).
 - More Parke County, IN IRZ residents (40%) and Vermillion County, IN IRZ residents (41%) have received CSEPP information through direct mail compared to other County-EPZ groups (12–33%).
- 36% of Indiana EPZ residents have read the emergency preparedness information in the annual CSEPP calendar.
 - More Parke County, IN IRZ residents (63%) have read the calendar compared to other County-EPZ groups in Indiana (27–47%).

Township

- 80% of residents indicate they know which township they live in.

Special Needs

- Only 6% of residents indicate a member of their household has any physical or mental condition that would prevent them from being able to shelter in place or evacuate

Conclusions and Recommendations

Survey results indicate that residents have high knowledge levels in crucial areas, such as preparedness, that will help them respond quickly and appropriately during a chemical emergency. It is important to increase outreach education when there are low levels of knowledge, and it is also important to maintain the high level of knowledge already achieved. It is recommended that outreach education

continues on a consistent schedule in order for residents to retain high levels of preparedness and knowledge.

According to the survey results and subsequent analysis, we recommend focusing future outreach education in four priority areas:

1. Shelter-In-Place
2. Family Emergency Planning
3. School CSEPP education
4. Public Confidence in Quick Notification

For a more detailed description of these conclusions and accompanying recommendations please see the Conclusions and Recommendations section of this report.

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INTRODUCTION

From 1962–1968, Newport Chemical Depot manufactured chemical agent VX for the United States defense stockpile. In 1969, President Nixon issued a decree to halt production and transport of chemical weapons, including the last two lots of VX produced at Newport. On May 5, 2005, Newport Chemical Depot began neutralizing the remaining chemical agent VX. The U.S. Army and Federal Emergency Management Agency jointly manage a program called the Chemical Stockpile Emergency Preparedness Program (CSEPP) to help make the depot and surrounding community ready in the event of chemical release.

This document contains the final analysis from the July/August 2005 Public Awareness Survey of the Chemical Stockpile Emergency Preparedness Program (CSEPP) site in Newport, Indiana. This survey is part of a continuing effort to measure the effectiveness of the public outreach efforts in the emergency planning zones (EPZ) of the Newport Chemical Depot. This survey was designed to measure the specific knowledge of protective actions and the level of preparedness of residents in the unlikely event of a chemical emergency at the Newport Chemical Depot. Where applicable, historical data from a previous telephone survey conducted in December 2002 is included and compared with the July/August 2005 survey results.

This survey effort is an outgrowth of the current work being undertaken by the Newport CSEPP community and the National CSEPP Public Affairs Integrated Process Team (IPT). A telephone survey was conducted in the Newport community in December 2002 (also by IEM).

The Newport CSEPP community conducts outreach activities in order to increase the public's knowledge of actions to take in a chemical emergency. County Emergency Management Agencies (EMAs) have targeted their audience through various channels, including the following:

- Brochures on emergency preparedness
- Periodic inserts or articles in the local newspaper that contain emergency preparedness information
- Public speaking engagements
- School presentations
- Booths at fairs and community events
- Working with school officials to update emergency plans
- Indiana has conducted television interviews focusing on emergency preparedness kits and shelter-in-place kits
- Indiana has also developed and distributed an annual CSEPP calendar

Newport County EMAs have focused on several messages in their outreach, which include the following:

- The warning systems that will be used in a chemical emergency— IAS/weather radios, sirens, and the Emergency Alert System on AM/FM radio or TV
- Listen to the IAS/weather radios or EAS stations on radio or TV for more information and further instructions
- Know the township your home, work, and schools are located in
- Know what you would be asked to do to stay safe—shelter in place, evacuate, stay tuned for more information
- Basic items for an evacuation kit
- Basic items for a shelter-in-place kit
- Basic steps to develop a family preparedness plan
- Shelter-in-place steps
- If asked, put your plan into action
- If asked, shelter in place quickly
- If asked, evacuate promptly
- Get an IAS/weather for your home or work
- Educating parents/guardians not to go to school to pick up their children

This survey was designed to measure the success of Newport’s outreach efforts. In order to measure improvements in specific areas over a specific time period, many of the July/August 2005 questions remained the same as the questions used in December 2002. Some modifications and additional questions were incorporated to capture more detailed information.

This survey report contains the following sections:

- **Methodology** – Describes the methodology that was used to design, conduct, and analyze the July/August 2005 survey
- **Survey Results** – Describes the important survey results that were found in the analysis
- **Recommendations** – Describes recommendations for public outreach based on the survey findings
- **Appendices** – Provides tabulations and cross tabulations of the survey results

METHODOLOGY

Questionnaire Development

The National CSEPP Public Affairs IPT developed the core questions contained in the Newport mail survey. The core questions are a set of questions that are used in surveys at participating CSEPP sites across the nation. IEM personnel assisted Federal, State, and local CSEPP personnel develop site-specific questions for the Newport survey. The result of this collaboration was a questionnaire that contained both Public Affairs IPT core questions and site-specific questions.

Margin of Error

The Newport July/August 2005 mail survey has a margin of error of ± 2.24 percentage points with a 95% confidence level for the total sample percentages. This means that we are 95% confident that the true proportions for these survey questions are within ± 2.24 percentage points of the reported proportions in this document. The margin of error for the December 2002 telephone survey was ± 3.4 percentage points; therefore, the results from the current survey must have a difference of at least 6 percentage points or greater from the December 2002 telephone results to be considered different by the margin of error.

It is important to note that a difference of at least 6 percentage points does not guarantee that the difference is statistically significant. IEM performed further analyses to determine statistical significance as described in the Survey Analysis section below.

Data Collection Change

Because the data collection method changed from a telephone survey in December 2002 to a mail survey in 2005, there are differences in the survey results that are partially due to the data collection change. For example, when residents were asked what actions they would take to shelter in place in the December 2002 telephone survey, residents were not prompted with answers but had to recall this information from memory. In the mail survey, several options for shelter-in-place actions were provided on the questionnaire along with a space to write in additional actions. For the shelter-in-place actions provided on the questionnaire, residents only had to recognize the action instead of recall it from memory. This example illustrates that some percentage increases from the previous telephone survey may be partially due to the change in the data collection method.

Survey Analysis

The total sample percentages in this document were weighted according to the 2000 U.S. Census data for the IRZ/PAZ and county population proportions. This was done so that the sample proportion for each County-EPZ combination is consistent with the true population proportion. For example, the 60 completed surveys in Parke County IRZ were weighted to represent approximately 4% of the

total sample. This is consistent with the fact that Parke County IRZ residents are approximately 4% of the Newport EPZ population.

IEM entered the survey data directly from the survey respondents' questionnaires into a secure database. This included entering the verbatim responses from the "Other, please specify" responses. IEM categorized and formatted the verbatim responses, performed multiple quality checks on the data, and analyzed the data.

To be able to make comparisons between subgroups of survey respondents (such as male vs. female), each subgroup was required to contain at least 30 respondents for statistical purposes.

Logistic Regression

Logistic regression was used to analyze the relationship between subgroups of survey respondents (e.g., respondents' attainment of a shelter-in-place kit, respondents' attainment of an IAS/weather radio) 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: Cross Tabulations.

All variables in the analysis 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., respondents who have a shelter-in-place kit vs. respondents who do not) 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. ± 2.24 percentage points).

Results that were found to be significant in the logistic regression analysis will be labeled as "statistical" differences in this report.

Conducting the Survey

A pre-notification postcard was mailed to each household inside the EPZ announcing the survey. The survey questionnaires were mailed a week later. Residents were able to mail in their completed questionnaires (free of charge) or bring their completed questionnaires to a county/city fair and receive a free flashlight. A total of 1,771 residents within the Newport Chemical Depot EPZ responded to the survey in July and August 2005. Of the total sample, 211 residents were from the Immediate Response Zone (IRZ) and 1,560 were from the Protective Action Zone (PAZ).

SURVEY ANALYSIS

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 is available in Appendix A: Survey Text and Tabulations. Detailed cross tabulations are provided in Appendix B: Cross Tabulations.

For simplicity, in some of the graphs and tables, the current mail survey results are labeled as July 2005 instead of July/August 2005.

Geography and Population

The region surrounding the Newport 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 populations proportions of the Newport EPZs are 14% of residents reside in the IRZ (completely within Parke County and Vermillion County, IN) and 86% in the PAZ.

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

- Parke County, IN IRZ
- Parke County, IN PAZ
- Vermillion County, IN IRZ
- Vermillion County, IN PAZ
- Fountain County, IN PAZ
- Edgar County, IL PAZ
- Vermilion County, IL PAZ

We will refer to them collectively as the County-EPZ groups. Survey results were weighted to reflect the 2000 Census Bureau data population distribution within each County-EPZ group.

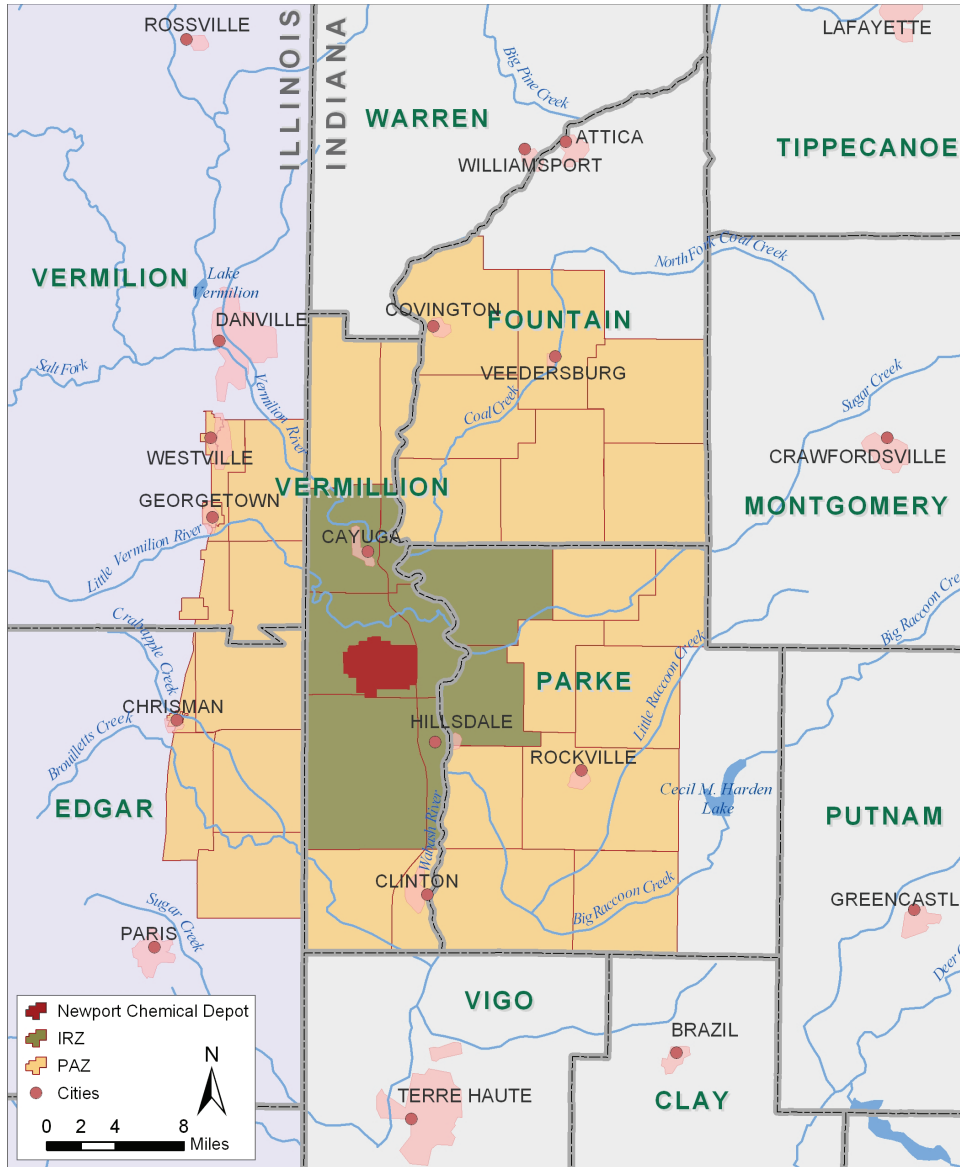


Figure 1: Map of the Newport Emergency Planning Zones

Table 1 provides three columns of values for each county 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: County-EPZ Breakdowns

Response	Raw Frequency ² July 2005	Raw Percentage ³ July 2005	Weighted Percentage ⁴ July 2005
IRZ	211	12%	14%
Parke County, IN	60	3%	4%
Vermillion County, IN	151	9%	10%
PAZ	1560	88%	86%
Parke County, IN	489	28%	20%
Vermillion County, IN	359	20%	21%
Fountain County, IN	102	6%	21%
Edgar County, IL	127	7%	4%
Vermilion County, IL	483	27%	19%

Survey Collected by Mail vs. Fair

As mentioned in the Methodology section of this report, the survey questionnaires were mailed to each household inside the EPZ. Residents were able to mail in their completed questionnaires (free of charge) or bring their completed questionnaires to a county/city fair and receive a free flashlight.

- 1261 residents mailed in their completed survey.
- 510 residents brought their completed survey to a county or city fair.

These results are shown by County-EPZ group in Table 2.

² “Raw Frequency” refers to the actual number of surveys completed for each subgroup.

³ “Raw Percentage” refers to the actual percentage of surveys completed for each subgroup.

⁴ “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.

Table 2: County-EPZ Breakdown for Surveys Collected by Fair vs. Mail

Response	Collected by the Fair		Collected by the Mail	
	Raw Frequency ⁵	Raw Percentage ⁶	Raw Frequency	Raw Percentage
Parke County, IN IRZ	23	38%	37	62%
Vermillion County, IN IRZ	63	42%	88	58%
Parke County, IN PAZ	215	44%	274	56%
Vermillion County, IN PAZ	63	18%	296	82%
Fountain County, IN PAZ	24	24%	78	76%
Edgar County, IL PAZ	40	31.5%	87	68.5%
Vermilion County, IL PAZ	82	17%	401	83%

The survey analysis found many statistical differences between the residents who returned the questionnaire at a county/city fair versus those who returned it by mail. The survey results show a trend that more residents who returned their questionnaire at a county/city fair have gathered knowledge and taken important steps in order to prepare for a possible chemical emergency, compared to those residents who returned their questionnaire by mail. Specific results are listed under the subheadings below. These results do not account for the respondents who refused to answer a particular question.

Alert

- A higher percentage of residents who returned their questionnaire at a county/city fair indicate they are confident that the public will be notified quickly in case of a chemical emergency at the Newport Chemical Depot (68%) compared to those residents who returned their questionnaire by mail (58%).

Shelter-In-Place

- When asked about the actions they would take if instructed to shelter in place, a higher percentage of residents who returned their questionnaire at a county/city fair:
 - Indicate they will take shelter-in-place step 3—shut off heating and cooling systems (66% vs. 59% of residents who returned their questionnaire by mail).

⁵ “Raw Frequency” refers to the actual number of surveys completed for each subgroup.

⁶ “Raw Percentage” refers to the actual percentage of surveys completed for each subgroup.

- Indicate they will take shelter in place step 5—seal doors and windows of shelter room (59% vs. 48%).
- Indicate they will take shelter-in-place steps 1–3 (65% vs. 56%).
- Indicate they will take shelter-in-place steps 1–4 (50% vs. 41%).
- Indicate they will take shelter-in-place steps 1–5 (41% vs. 29%).
- Indicate they will take shelter-in-place steps 1–6 (38% vs. 27%).

IAS/Weather Radio

- More residents who returned their questionnaire at a county/city fair:
 - Indicate they have an IAS/weather radio compared to those who returned their questionnaire by mail (46% vs. 35%).
 - Indicate they would be alerted through IAS/weather radio in the event of a chemical emergency compared to the residents who returned their questionnaire by mail (40% vs. 29%).
 - Indicate they will listen to the IAS/weather radio if they were instructed to evacuate during a chemical emergency at the Newport Chemical Depot, compared to those residents who returned their questionnaire by mail (37% vs. 26%).

Emergency Plans

- A higher percentage of residents who returned their questionnaire at a county/city fair:
 - Indicate they have a family emergency plan compared to those who returned their questionnaire by mail (40% vs. 28%).
 - Indicate they have a meeting place in case of emergency compared to those who returned their questionnaire by mail (38% vs. 28%).
 - Indicate they have a shelter-in-place kit with duct tape, plastic, and instructions compared to residents who returned their questionnaire by mail (30% vs. 18%).
 - Indicate they have each of the four components in their family emergency plan (familiar with the major roads and highways in their area, have a disaster supply kit, have a family meeting place, and have a shelter-in-place kit), compared to those who returned their questionnaire by mail (15% vs. 6%).

School Preparedness (K–12)

- A higher percentage of residents that returned their questionnaire at a county/city fair:

- Have children/grandchildren in a local school in grades K–12, compared to those who returned their questionnaire by mail (55% vs. 37%).
- Are confident that their children/grandchildren would be safe in the care of their school in the event of a chemical emergency at the Newport Chemical Depot, compared to those who returned their questionnaire by mail (68% vs. 61%).
- Are likely to get their children/grandchildren from school only when notified it is safe to do so, compared to residents who returned their questionnaire by mail (69% vs. 54%).

Have Received Emergency Preparedness Information

- A higher percentage of residents who returned their questionnaire at a county/city fair:
 - Indicate they have received emergency preparedness information from informational pamphlet or flyer (46% vs. 36% of residents who returned their questionnaire by mail).
 - Indicate they have received information from the newspaper (45% vs. 37%).
 - Indicate they have received information from direct mail (35% vs. 27%).
 - Indicate they received information from AM/FM radio (33% vs. 24%).
 - Indicate they received information from the calendar (19% vs. 10%).
 - Indicate they have received information from a community event or fair (25% vs. 6%).
 - Indicate they received information from public meeting or presentation (14% vs. 7%).
 - Indicate they have received information from media sources (58% vs. 47%).
 - Indicate they have received information from interaction with officials⁷ (37% vs. 16%).
 - Indicate they have read the emergency preparedness information in the annual CSEPP calendar compared to those residents who returned their questionnaire by mail (45% vs. 31%).

⁷ This category includes a summary of the following responses: community events, public presentations, school presentations, work, training, military, the fire department, local EMA, and/or CSEPP.

Township

- 85% of residents who returned their questionnaire at a county/city fair indicate they know what township they live in, compared with 78% of those residents who returned their questionnaire by mail.

Preparedness

Several survey questions were designed to assess the level of preparedness of the Newport residents. Preparedness is gauged by whether or not respondents have a family emergency/preparedness plan, know which township they live in, and have an Indoor Alert System (IAS)/weather radio.

Emergency Plans

Residents were asked the following question to determine if they have a family preparedness plan.

Do you or your family have an emergency plan? (Q4)

The percentage of residents who indicate they have a family emergency plan, known in Newport's outreach materials as a family preparedness plan, are shown in Figure 2. The percentage of families who have an emergency plan (31%) has increased 14 percentage points since the December 2002 phone survey (17%).

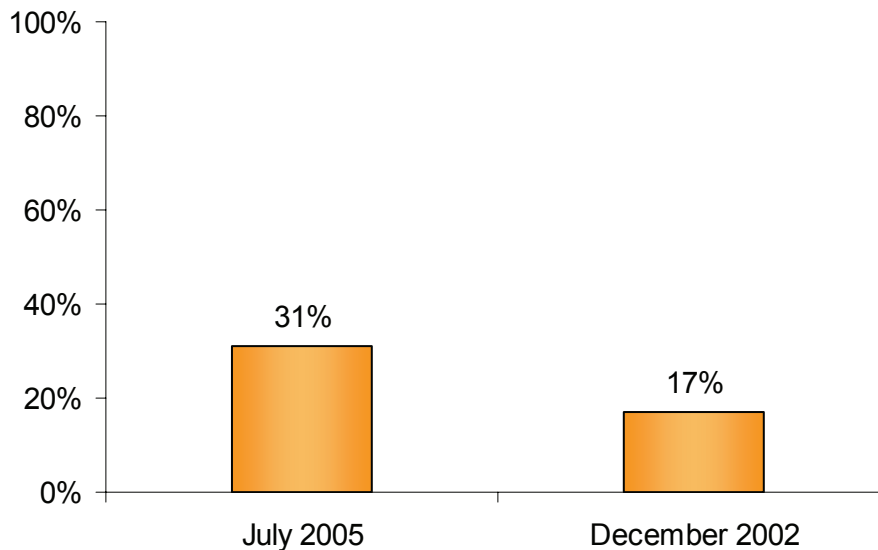


Figure 2: Percentage of Residents Who Indicate They Have a Family Emergency Plan

Figure 3 illustrates a comparison of the County-EPZ groups who indicate they have an emergency plan.

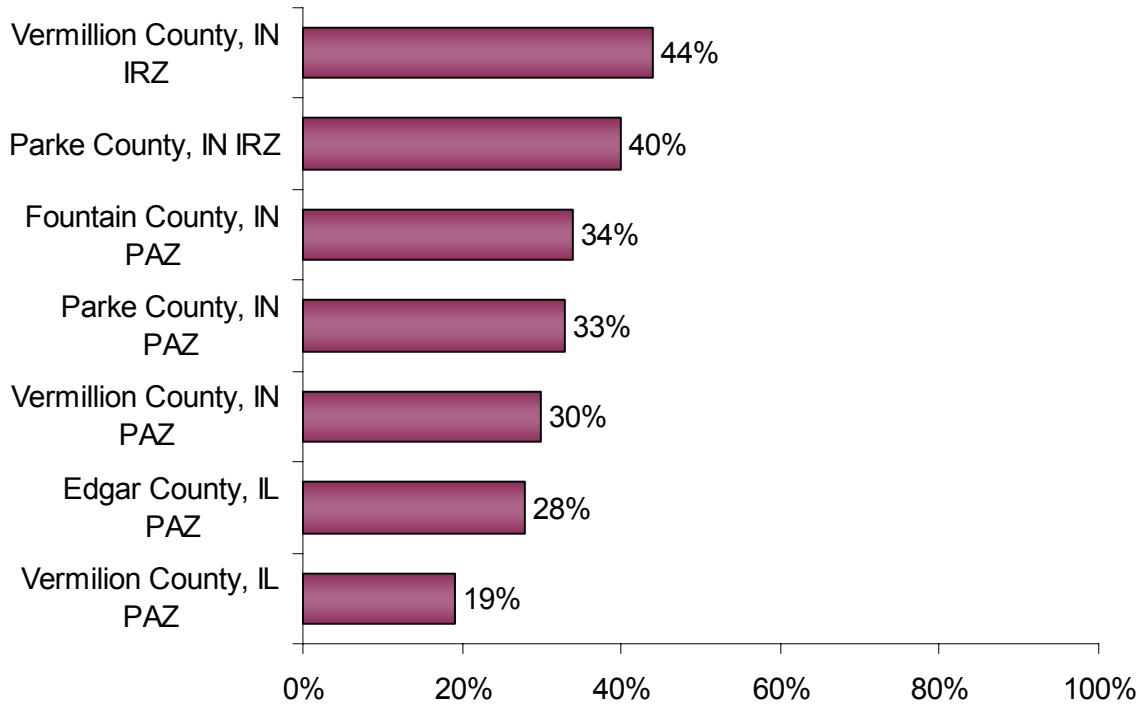


Figure 3: Percentage of Residents Who Indicate They Have a Family Emergency Plan by County-EPZ Group

Vermillion County, IN IRZ and Parke County, IN IRZ have the highest percentage of residents with an emergency plan at 44% and 40% respectively. Vermillion County, IL PAZ has the lowest percentage of residents who indicate they have an emergency plan (19%), which is 9 percentage points lower than any other group.

Figure 4 shows the percentage of residents who indicate they have a family emergency plan across the seven CSEPP sites. The “N/A” indicates that a particular site did not ask this question during the time range shown in the graph legend.

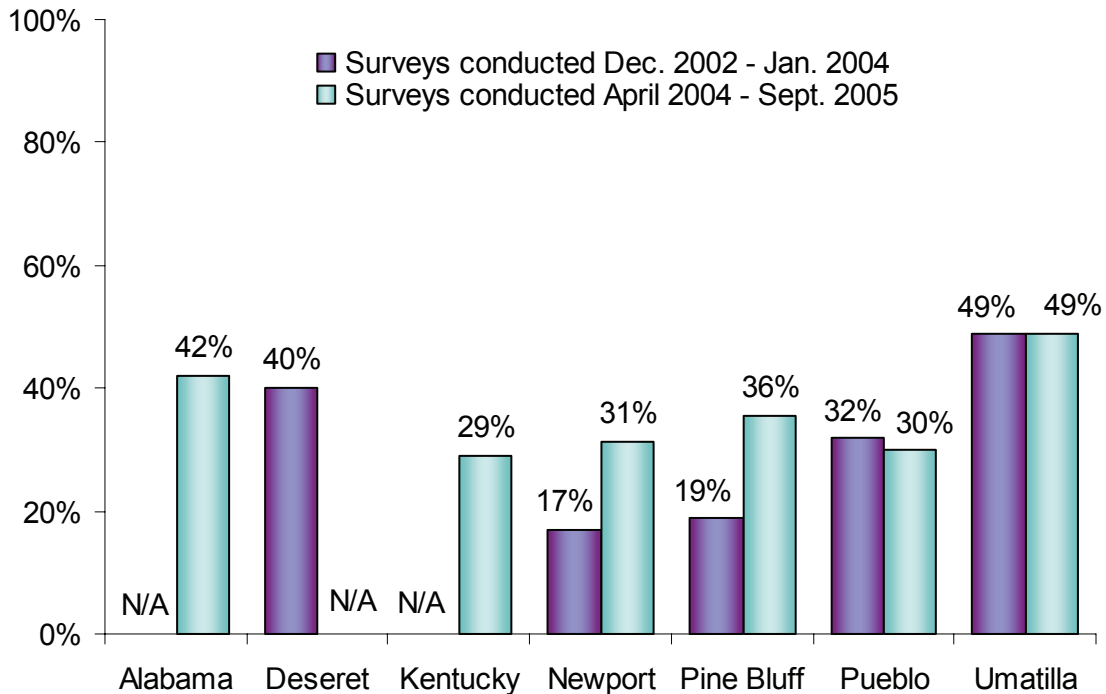


Figure 4: Percentage of Residents Who Indicate They Have a Family Emergency Plan Across Seven CSEPP Sites

The survey analysis found many statistical differences between the residents who indicate they have a family emergency plan and those who do not. Specific results are listed under the subheadings below. These results do not account for the respondents who refused to answer a particular question.

Alert

- More residents who have a family emergency plan indicate they would be alerted of a chemical emergency by an AM/FM radio (50% vs. 43%), IAS/weather radio (50% vs. 23%), and/or the summary of a siren and IAS/weather radio (79% vs. 61%), compared to residents who do not have a family emergency plan.
- Fewer residents who have a family emergency plan (61%) indicate they would be alerted of a chemical emergency from the television compared to residents who do not have a plan (71%).
- 70% of the residents who have a family emergency plan indicate they are confident that the public will be notified quickly in case of a chemical emergency at the Newport Chemical Depot compared to 56% of residents who do not have a family emergency plan.

Shelter-In-Place

- A higher percentage of residents who have a family emergency plan:

- Indicate they will take shelter-in-place step 2—shut windows and doors (82% vs. 75% of residents who do not have a plan).
- Indicate they will take shelter-in-place step 3—shut off heating and cooling systems (73% vs. 55%).
- Indicate they will take shelter-in-place step 4—go inside an interior room of a home or building (71% vs. 56%).
- Indicate they will take shelter-in-place step 5—seal doors and windows of shelter room (70% vs. 43%).
- Indicate they will take shelter-in-place steps 1–2 (82% vs. 75%).
- Indicate they will take shelter-in-place steps 1–3 (71% vs. 54%).
- Indicate they will take shelter-in-place steps 1–4 (58% vs. 38%).
- Indicate they will take shelter-in-place steps 1–5 (49% vs. 25%).
- Indicate they will take shelter-in-place steps 1–6 (47% vs. 23%).

Evacuate

- When asked about the actions residents would take if instructed to evacuate during a chemical emergency at the Newport Chemical Depot, a higher percentage of residents who have a family emergency plan:
 - Indicate they will listen to an IAS/weather radio, AM/FM radio and/or TV (91% vs. 82% of residents who do not have a plan).
 - Indicate they will check the wind direction (64% vs. 55%).
 - Indicate they will listen to an IAS/weather radio (45% vs. 21%).
 - Indicate they will get their children/grandchildren from school (23% vs. 16%).
 - Indicate they will wait for or contact family members before evacuating (24% vs. 16%).

Emergency Plans

- More residents who have a family emergency plan:
 - Indicate they have a meeting place in the event of an emergency (74% vs. 11% of residents who do not have a plan).
 - Indicate they have a shelter-in-place kit with duct tape, plastic, and instructions (48% vs. 8%).
 - Indicate they have a disaster supply kit (57% vs. 21%).
 - Indicate they have each of the four components in their family emergency plan (familiar with the major roads and highways in their area, have a disaster supply kit, have a family meeting place,

and have a shelter-in-place kit), compared to those who do not have a family emergency plan (26% vs. 1%).

IAS/Weather Radio

- More residents who have a family emergency plan indicate they have an IAS/weather radio in their home (57%) compared to those who do not have a family emergency plan (29%).

School Preparedness (K–12)

- 48% of the residents who have a family emergency plan have children/grandchildren in a local school grades K–12 compared to 40% of residents who do not have a family emergency plan.
- More parents/grandparents who have a family emergency plan:
 - Indicate they are familiar with the emergency plan at their children’s/grandchildren’s school (55% vs. 22% of parents/grandparents who do not have family emergency plan)
 - Indicate they are confident that their children/grandchildren would be safe in the care of their school in the event of a chemical emergency (69% vs. 62%).
 - Indicate they are likely to get their children/grandchildren when notified it is safe to do so (65% vs. 57%).

Have Received Emergency Preparedness Information

- A higher percentage of residents who have a family emergency plan:
 - Indicate they received emergency preparedness information from direct mail (39% vs. 24%), AM/FM radio (35% vs. 23%), calendar (23% vs. 8%), community event or fair (20% vs. 7%), outreach materials⁸ (70% vs. 46%), media sources⁹ (57% vs. 47%), or from interaction with officials¹⁰ (36% vs. 15%).
 - Indicate they have read the emergency preparedness information in the annual CSEPP calendar (58% vs. 23%).

Township

- A higher percentage of residents who have a family emergency plan indicate they know the township they live in (87%) compared to the residents who do not have a family emergency plan (77%).

⁸ This category includes a summary of the following responses: calendar, direct mail, pamphlet, flier, and SIP video.

⁹ This category includes a summary of the following responses: newspaper, TV and AM/FM radio

¹⁰ This category includes a summary of the following responses: community events, public presentations, school presentations, work, training, military, the fire department, local EMA, and/or CSEPP.

Please check either yes or no for the following questions: (Q5)¹¹

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 a shelter-in-place kit with duct tape, plastic, and instructions?

D. Do you have a disaster supply kit (emergency supplies such as food, water, medications, first aid supplies, flashlight, and battery operated radio)?

Residents were asked a series of questions to determine if they have certain components of a family emergency plan (Q5). Figure 5 provides a summary of the residents who said “yes” to each of these questions. This series of questions was not included in the December 2002 telephone survey.

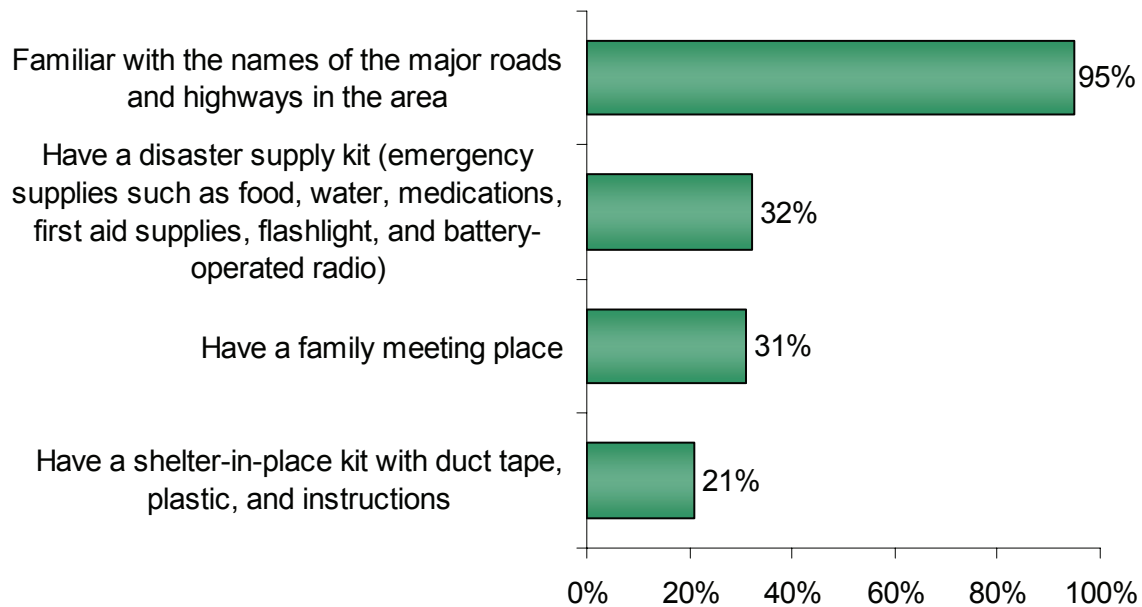


Figure 5: Family Emergency Plan Overview

Almost all residents (95%) indicate they are familiar with the major roads and highways in their area. In contrast, approximately one-third or fewer of the residents indicate they have a disaster supply kit, family meeting place, and/or shelter-in-place kit.

- 32% of EPZ residents have a disaster supply kit
- 31% of all residents responded that they have a family meeting place
- Only 21% have a shelter-in-place kit

The percentage of residents who indicate they have certain components in their emergency plan vary between the County–EPZ groups, especially in responses to whether they have a shelter-in-place kit and a family meeting place. Figure 6 shows the comparison of these two results.

¹¹ The Newport site added this series of questions in the July 2005 mail survey. Affirmative responses are provided in the table.

Parke County, IN IRZ has the highest percentage of residents reporting to have a shelter-in-place kit with 52%, followed by Vermillion County, IN IRZ with 45% (a difference of 7 percentage points).

- The percentage of Vermillion County, IN IRZ (45%) residents with a shelter-in-place kit is 18 percentage points greater than the highest PAZ area (27% in Fountain County, IN PAZ).

Vermillion County, IN IRZ (40%) has the highest percentage of residents who indicate they have a family meeting place, which is 10 percentage points more than Parke County, IN IRZ residents (30%). Vermillion County, IL PAZ (22%) has the lowest percentage of residents with a family meeting place, which is 9 percentage points less than Edgar County, IL PAZ (31%).

In addition, more Parke County IN IRZ residents (43%) and Vermillion County, IN IRZ residents (45%) indicate they have a disaster supply kit compared to other EPZ-County groups (22–36%).

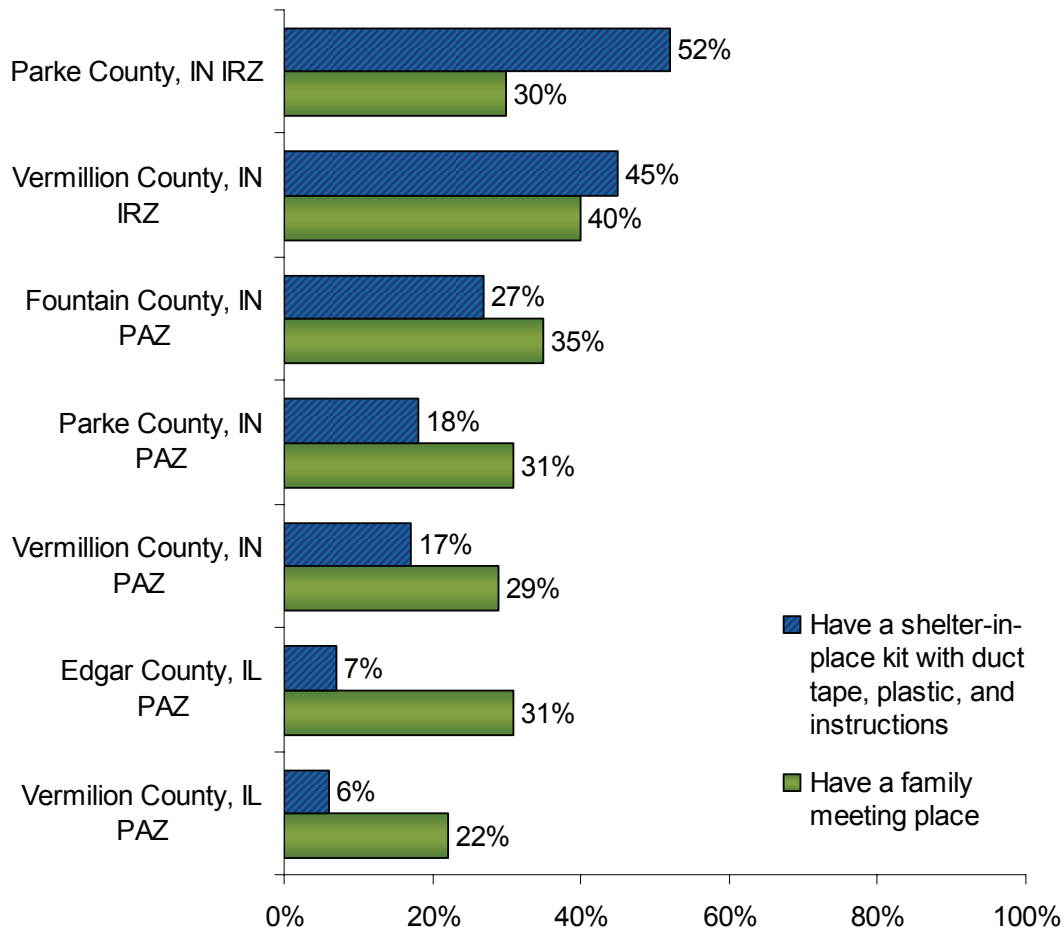


Figure 6: Percentage of Residents Who Have a Family Meeting Place and Shelter-in-Place Kit by County-EPZ Group

The survey analysis found many statistical differences between the residents who indicate they have a shelter-in-place kit and those who do not. Specific results are listed under the subheadings below. These results do not account for the respondents who refused to answer a particular question.

Alert

- More residents who have a shelter-in-place kit indicate they would be alerted from IAS/weather radio (68%) compared to those residents who do not have a shelter-in-place kit (22%).
- Fewer residents who have a shelter-in-place kit indicate they would be alerted by television (60%) compared to those that do not have a shelter-in-place kit (69%).
- A higher percentage of residents who have a shelter-in-place kit are confident that the public will be notified quickly in case of a chemical emergency at the Newport Chemical Depot (73%) compared to those residents who do not have a shelter-in-place kit (58%).

Shelter-In-Place

- When asked about the actions residents would take if instructed to shelter-in-place, a higher percentage who have a shelter-in-place kit:
 - Indicate they will take shelter-in-place step 1—Go inside or stay inside¹² (98% vs. 90%)
 - Indicate they will take shelter-in-place step 2—shut windows and (86% vs. 74%),
 - Indicate they will take shelter-in-place step 3—shut off heating and cooling systems (77% vs. 56%),
 - Indicate they will take shelter-in-place step 4—go inside an interior room of a home or building (73% vs. 57%),
 - Indicate they will take shelter-in-place step 5—seal doors and windows of shelter room (86% vs. 42%)
 - Indicate they will take shelter-in-place step 6—listen to AM/FM radio, TV, or IAS/weather radio for further instructions from emergency officials (93% vs. 76%).
 - Indicate they will take shelter-in-place steps 1–2 (86% vs. 74%).
 - Indicate they will take shelter-in-place steps 1–3 (74% vs. 54%).
 - Indicate they will take shelter-in-place steps 1–4 (60% vs. 40%).
 - Indicate they will take shelter-in-place steps 1–5 (57% vs. 26%).
 - Indicate they will take shelter-in-place steps 1–6 (56% vs. 23%).

¹² This category includes all responses that indicate the resident would go or stay inside.

Evacuate

- When asked about the actions residents would take if instructed to evacuate during a chemical emergency at the Newport Chemical Depot, a higher percentage of residents who have a shelter-in-place kit:
 - Indicate they will listen to an IAS/weather radio, AM/FM radio and/or TV (94% vs. 82%).
 - Indicate they will check the wind direction (68% vs. 55%).
 - Indicate they will listen to an IAS/weather radio (59% vs. 21%).
 - Indicate they will do at least one of the following: listen to an IAS/weather radio, AM/FM radio and/or TV; await instructions, or follow instructions (94% vs. 83%).

Emergency Plans

- More residents who have a shelter-in-place kit:
 - Indicate they have a family emergency plan (71% vs. 20%)
 - Indicate they have disaster supply kit (66% vs. 23%).

IAS/Weather Radio

- 73% of the residents who have a shelter-in-place kit have an IAS/weather radio in their home compared with 29% of residents who do not have a shelter-in-place kit.

School Preparedness (K–12)

- More parents/grandparents who have a shelter-in-place kit:
 - Are familiar with the emergency plan at their children's/grandchildren's school(s) (57% vs. 28%).
 - Are likely to get the children/grandchildren when notified it is safe to do so (74% vs. 57%).

Have Received Emergency Preparedness Information

- A higher percentage of residents who have a shelter-in-place kit:
 - Indicate they received emergency preparedness information from an informational pamphlet (65% vs. 32%), direct mail (45% vs. 25%), community event or fair (24% vs. 8%), public meeting or

presentation (22% vs. 5%), outreach materials¹³ (82% vs. 47%), or from interaction with officials¹⁴ (42% vs. 17%).

- No residents who have shelter-in-place kits indicate that they have not received any information about how to prepare for a chemical emergency compared to 10% of residents who do not have shelter-in-place kit.
- 62% of the residents who have a shelter-in-place kit have read the emergency preparedness information in the annual CSEPP calendar compared to 26% of residents who do not have a shelter-in-place kit.

Township

More residents who have a shelter-in-place kit (87%) indicate they know the township they live in compared to residents who do not have a shelter-in-place kit (77%).

Figure 7 shows the percentage of residents who indicate they have each of the family emergency plan components across the five CSEPP sites that have asked these questions.

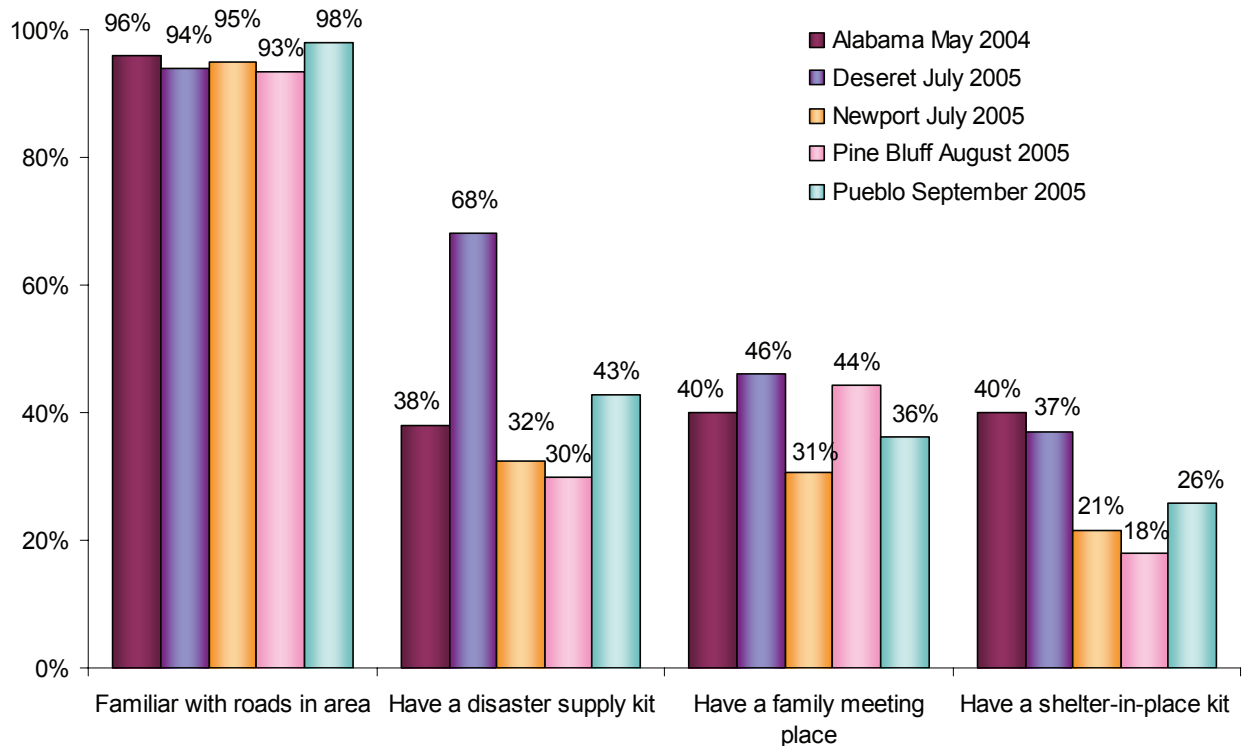


Figure 7: Summary of Family Emergency Plan Components across Five CSEPP Sites

¹³ This category includes a summary of the following responses: calendar, direct mail, pamphlet, flier, and SIP video.

¹⁴ This category includes a summary of the following responses: community events, public presentations, school presentations, work, training, military, the fire department, local EMA, and/or CSEPP.

To summarize the results for the Newport EPZ residents, 9% indicate they have each of the four components in their family emergency plan (familiar with the major roads and highways in their area, have a disaster supply kit, have a family meeting place, and have a shelter-in-place kit). This result shows that even though many residents have completed some elements of a family emergency plan, very few have a plan with all of the important components. Figure 8 illustrates the percentage of each County-EPZ group who indicate they have each of the four family emergency plan components.

- Vermillion County, IN IRZ (19%) and Parke County, IN IRZ (17%) have the highest percentage of residents who indicate they have each of the four components.

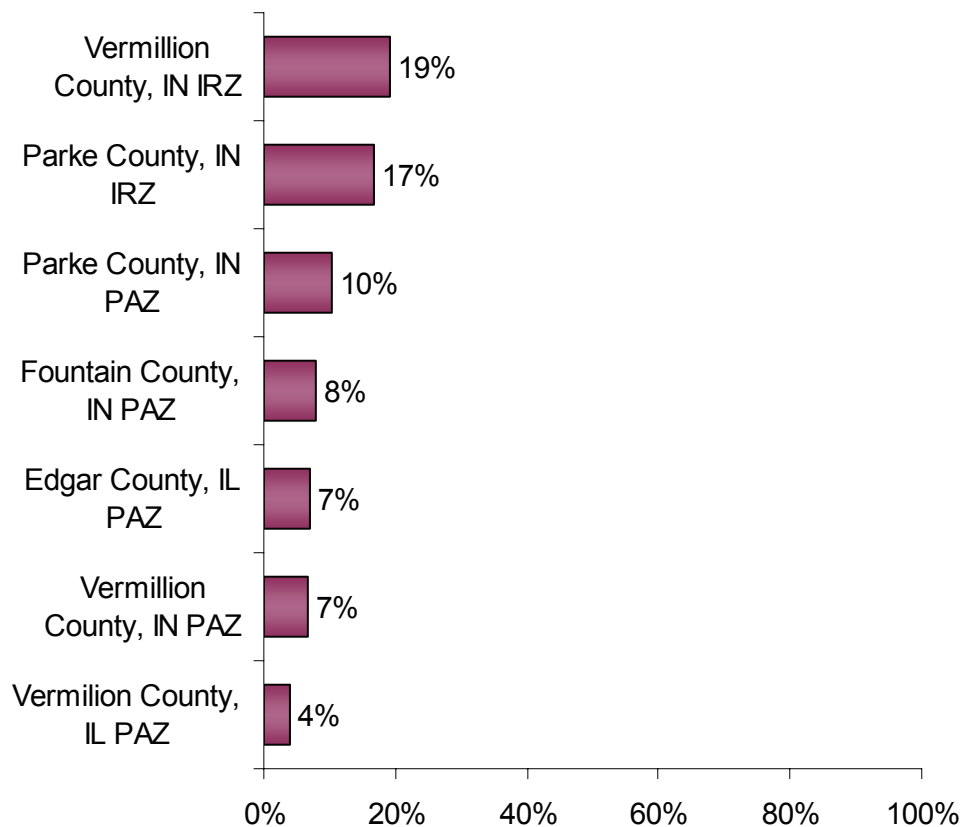


Figure 8: Percentage Who Have each of the Four Components in their Family Emergency Plan by County-EPZ group

Emergency Planning Zone

At the Newport CSEPP site, individual emergency planning zones are the same as the local townships.

Do you know which township you live in? (Q14)¹⁵

During a chemical emergency, Newport EPZ residents will be instructed to take protective actions according to the township in which they live. 80% of Newport EPZ residents indicate they know which township they live in.

As shown in Figure 9, a smaller percentage of Edgar County, IL PAZ (41%) and Vermilion County, IL PAZ (38%) residents indicate they know the township where they live, compared to the other County-EPZ groups (87-95%).

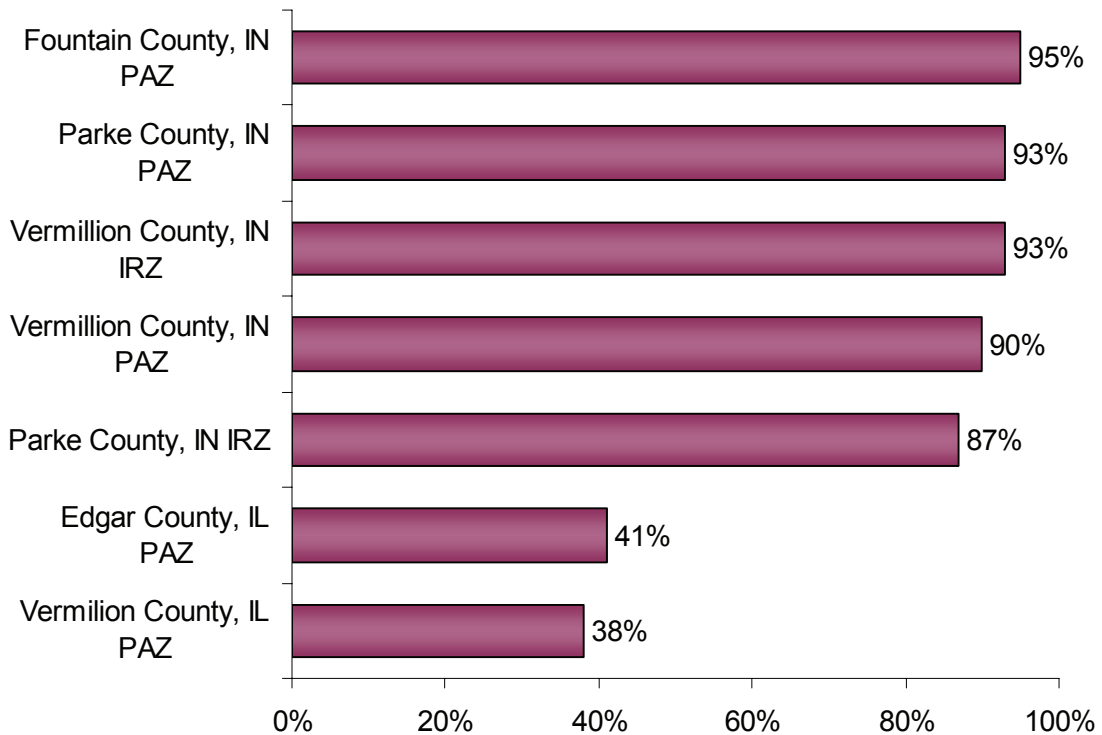


Figure 9: Percentage Who Know Their Township by County-EPZ group

Indoor Alert System (IAS)/Weather Radio

IAS or weather radios have been distributed to residents in certain townships within the IRZ and PAZ. Indiana primarily calls them IAS radios, while Illinois calls them weather radios.

Do you have an Indoor Alert System (IAS) or weather radio in your home? (Q6)¹⁶

38% of all Newport EPZ residents indicate they have an Indoor Alert System (IAS) or weather radio in their home. As shown in Figure 10, 81% of Vermillion

¹⁵ The Newport site added this question in July 2005.

¹⁶ The Newport site added this question in July 2005.

County, IN IRZ residents and 62% of Parke County, IN IRZ residents responded that they have an IAS/weather radio (a difference of 19 percentage points).

The percentage of IRZ residents who have an IAS/weather radio is much greater than PAZ residents.

- The Fountain County, IN PAZ (41%) has the highest percentage of residents with an IAS/weather radio in a PAZ, which is 21 percentage points less than the percent of Parke County, IN IRZ (62%) residents with an IAS/weather radio.

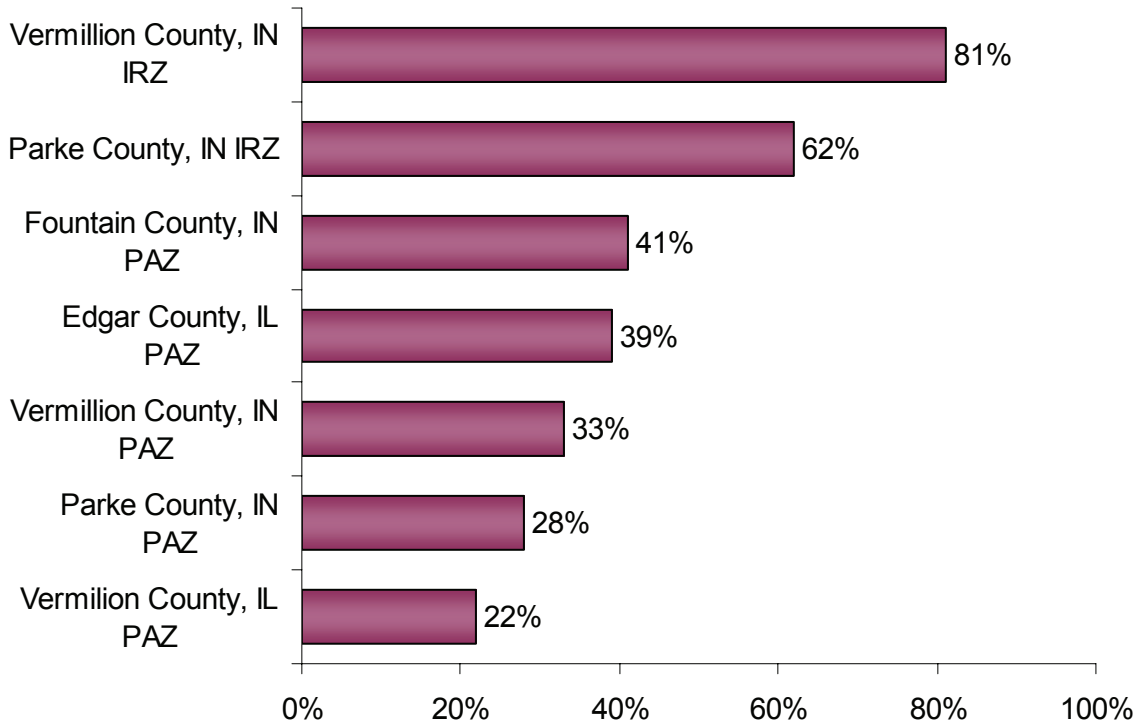


Figure 10: Residents with an IAS/Weather Radio by County-EPZ Group

The survey analysis found many statistical differences between the residents who have an IAS/weather radio in their home versus those who do not. The survey results show a trend that more residents who have an IAS/weather radio have also gathered knowledge and taken important steps in order to prepare for a possible chemical emergency, compared to residents who do not have an IAS/weather radio. Specific results are listed under the subheadings below. These results do not account for the respondents who refused to answer a particular question.

Alert

- A higher percentage of residents who have an IAS/weather radio indicate they would be alerted from the summary of a siren and/or IAS/weather radio (89% vs. 54%); family or friends (43% vs. 28%); or an IAS/weather radio (74% vs. 6%) compared to those residents that do not have an IAS/weather radio.

- However, a smaller percentage of residents who have an IAS/weather radio indicate they would be alerted from at least one EAS station on TV or AM/FM radio (65% vs. 81%) or television (57% vs. 74%).
- More residents who have an IAS/weather radio indicate they are confident that the public will be notified quickly in case of a chemical emergency at the Newport Chemical Depot (70%) compared to those residents who do not have an IAS/weather radio (56%).

Shelter-In-Place

- When asked about the actions they would take if instructed to shelter in place, a higher percentage of residents who have an IAS/weather radio:
 - Indicate they will listen to an IAS/weather radio (76% vs. 8%).
 - Indicate they will take shelter-in-place step 6—listen to AM/FM radio, TV, or IAS/weather radio for further instructions from emergency officials (84% vs. 74%).
 - Indicate they will take shelter-in-place steps 1–4 (50% vs. 40%).
 - Indicate they will take shelter-in-place steps 1–5 (41% vs. 27%).
 - Indicate they will take shelter-in-place steps 1–6 (40% vs. 24%).
- A smaller percentage of residents who have an IAS/weather radio indicate they will evacuate if instructed to shelter in place (19%) compared to those residents who do not have an IAS/weather radio (27%).

Evacuate

- When asked about the actions they would take if instructed to evacuate, more residents who have an IAS/weather radio indicate they will check the wind direction (65% vs. 54%) or listen to the IAS or weather radio (65% vs. 7%), but fewer indicate they will listen to an AM/FM radio or TV (68% vs. 81%) compared to those residents who do not have an IAS/weather radio.

Emergency Plans

- More residents who have an IAS/weather radio:
 - Indicate they have a family emergency plan (47% vs. 22%).
 - Indicate they have a family meeting place (40% vs. 25%).
 - Indicate they have a shelter-in-place kit with duct tape, plastic, and instruction (41% vs. 9%).
 - Indicate they have a disaster supply kit (46% vs. 24%).
 - Indicate they have each of the four components in their family emergency plan (familiar with the major roads and highways in their area, have a disaster supply kit, have a family meeting place,

and have a shelter-in-place kit), compared to those who do not have a family emergency plan (16% vs. 5%).

School Preparedness (K–12)

- More parents/grandparents who have an IAS/weather radio indicate they are likely to get their children/grandchildren when notified it is safe to do so (70%) compared to residents who do not have an IAS/weather radio (53%).

Have Received Emergency Preparedness Information

- When residents were asked how they have received information about how to prepare for a chemical emergency, a higher percentage of residents who have an IAS/weather radio:
 - Indicate they have received information from informational pamphlet (49% vs. 32%), newspaper (44% vs. 36%), calendar (18% vs. 10%), public meeting or presentation (16% vs. 5%), media sources¹⁷ (54% vs. 47%), or from interaction with officials¹⁸ (31% vs. 17%).
- A higher percentage of residents who have an IAS/weather radio indicate they have read the emergency preparedness information in the annual CSEPP calendar (48%) compared to those residents who do not have an IAS/weather radio (27%).

Alert

In the event of a chemical emergency at the Newport Chemical Depot, the public will receive the initial emergency alert through several sources, primarily sirens and IAS/weather radios, and EAS stations. The CSEPP glossary defines alert as: “Stimulation of one or more of the senses, usually those of hearing and/or sight.”¹⁹

The following question was asked of respondents in order to determine where residents think they will get the emergency alert, as well as to determine which segments of the public may require additional outreach in order to increase awareness of official alert channels.

¹⁷ This category includes a summary of the following responses: newspaper, TV and AM/FM radio

¹⁸ This category includes a summary of the following responses: community events, public presentations, school presentations, work, training, military, the fire department, local EMA, and/or CSEPP.

¹⁹ IEM, Inc. Chemical Stockpile Emergency Preparedness Program Glossary, Second Edition. February 1996.

How would you be alerted of a chemical emergency at the Newport Chemical Depot? (Q1)^{20,21}

The majority of EPZ residents in July/August 2005, as shown in Figure 11, indicate they would receive the initial alert from the television (67%) an increase of 53 percentage points from the December 2002 telephone survey (14%). Previously in the December 2002 telephone survey, the majority of residents said they would receive the alert from sirens (51%).

- The percentage of all residents who indicate they would be alerted by AM/FM radio has increased 32 percentage points from the December 2002 telephone survey (45% vs. 13%).
- 38% of all residents in July/August 2005 state that they would receive the alert from a family or friend compared to 2% in the December 2002 telephone survey (a difference of 36 percentage points).
- The number of all residents who indicate they would be alerted by an IAS/weather radio has increased 20 percentage points from the December 2002 telephone survey (32% vs. 12%).
- Only 1% of all residents in July/August 2005 indicate they do not know how they would be alerted of a chemical emergency.

²⁰ Multiple responses were accepted for this question.

²¹ In the December 2002 telephone survey, this question read: “How would you know if there were a chemical emergency at the Newport Chemical Depot?”

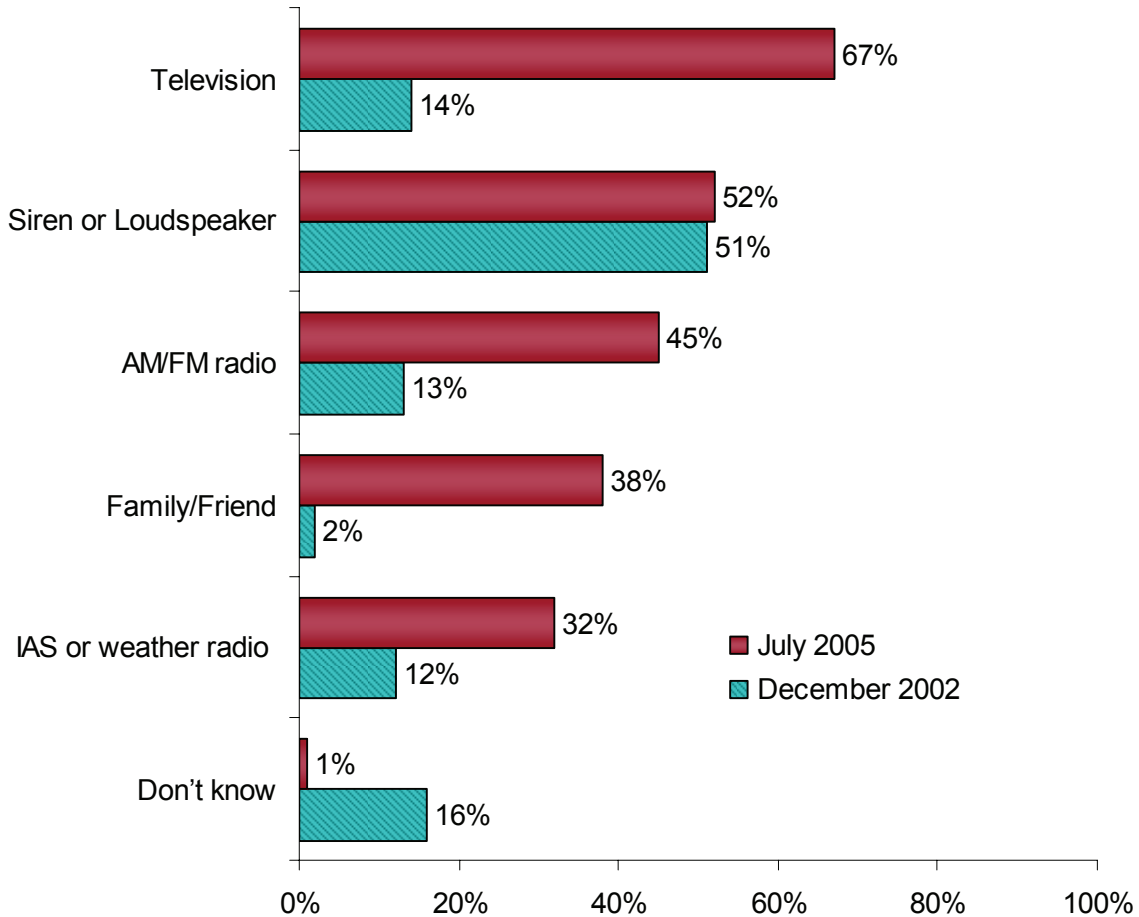


Figure 11: Sources for Emergency Alert

Figure 12 shows the percentage of each County-EPZ group who indicate they will be alerted by a siren or IAS/weather radio.

- More Parke County, IN IRZ residents (73%) expected to be alerted by a siren compared to the other EPZ-County groups (40-61%).
- Vermillion County, IN IRZ has the highest percentage of residents who expect to receive the initial alert from an IAS/weather radio (74%). This is in contrast to 55% of Parke County, IN IRZ residents who expect to receive an alert from an IAS/weather radio (a difference of 19 percentage points).
- Vermillion County, IL PAZ has the lowest percentage of residents (14%) who indicate they would be alerted by an IAS/weather radio.

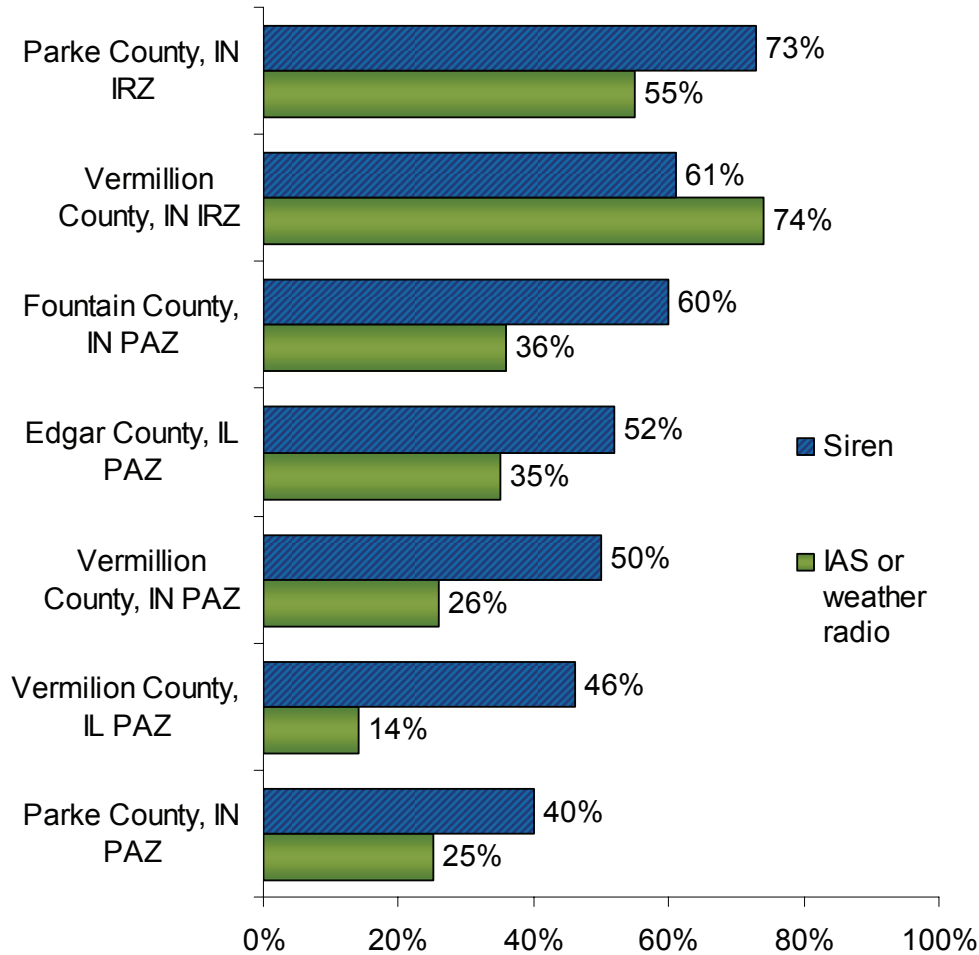


Figure 12: Percentage of Residents Who Expect to be Alerted Through Siren or IAS/Weather Radio by County-EPZ Group

In the survey analysis, we summarized some of the individual responses for this question. Note that the summary percentage of individual responses does not equal the simple addition of the individual response percentages because survey respondents were able to give multiple responses for this question.

- 67% of residents indicate they would receive the alert from IAS/weather radio and/or siren.
- 74% of residents expect to be alerted through the Emergency Alert System (EAS) which includes television and/or AM/FM radio responses.

Figure 13 illustrates the differences between the percentages of residents in each County-EPZ who expect to be alerted through IAS/weather radio and/or siren versus television and/or AM/FM radio.

- Vermillion County, IN IRZ (91%) and Parke County, IN IRZ (90%) have the highest percentage of residents who indicate they would be alerted through IAS/weather radio and/or siren.

- There is an 11 percentage point difference between Parke County, IN IRZ residents (90%) and the next highest percentage of PAZ residents who gave this response (in Fountain County, IN PAZ with 79%).
- On the other hand, Vermillion County, IL PAZ (88%) has the highest percentage of residents who expect to receive an alert through the TV and/or AM/FM radio.
 - There is a difference of 9 percentage points between the Vermillion County, IL PAZ residents (88%) and the next highest percentage of residents who said TV and/or radio (Parke County, IN PAZ with 79%).

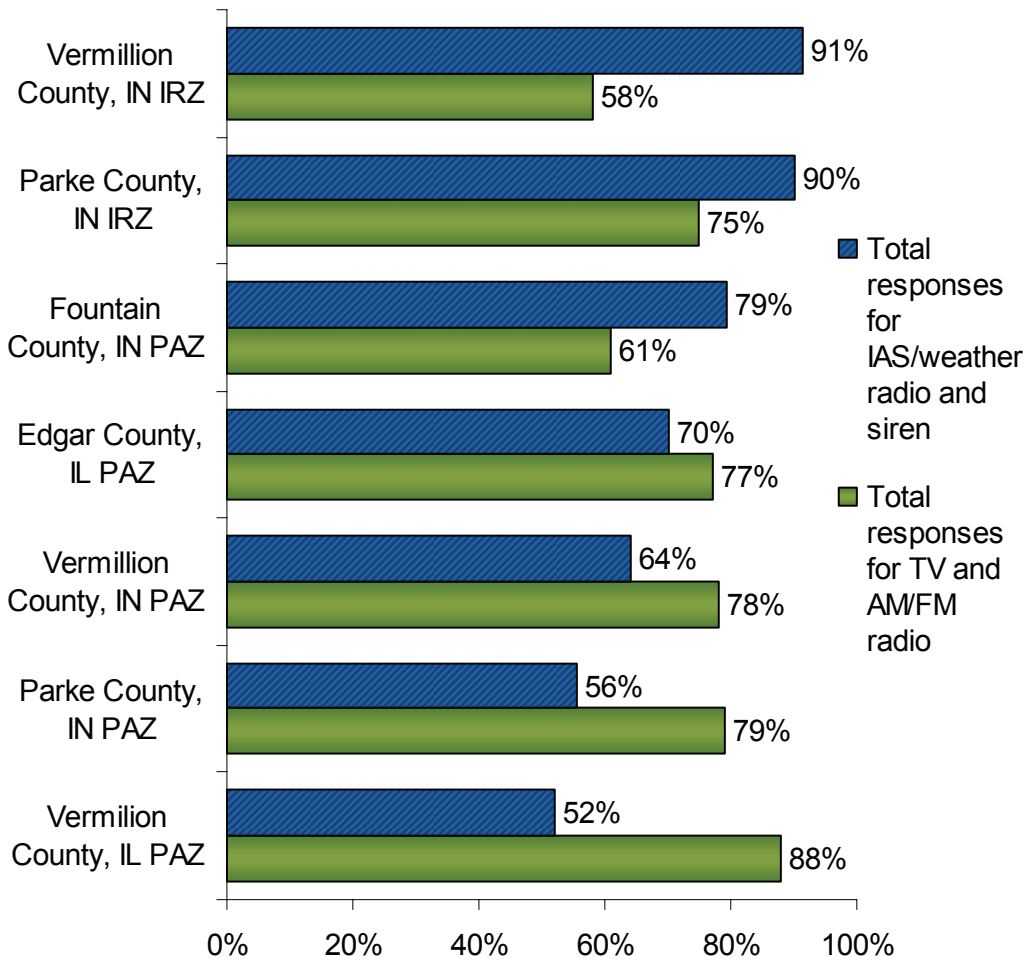


Figure 13: Percentage of Residents Who Expect to be Alerted Through the IAS/Weather Radio or Siren vs. TV or AM/FM Radio by County-EPZ Group

The majority of all residents (95%) expect to be alerted through an IAS/weather radio, siren, TV, and/or AM/FM radio. Figure 14 shows the percentage by EPZ-County group.

- 100% percent of residents in the Parke County, IN IRZ expect to receive the emergency alert though these channels.

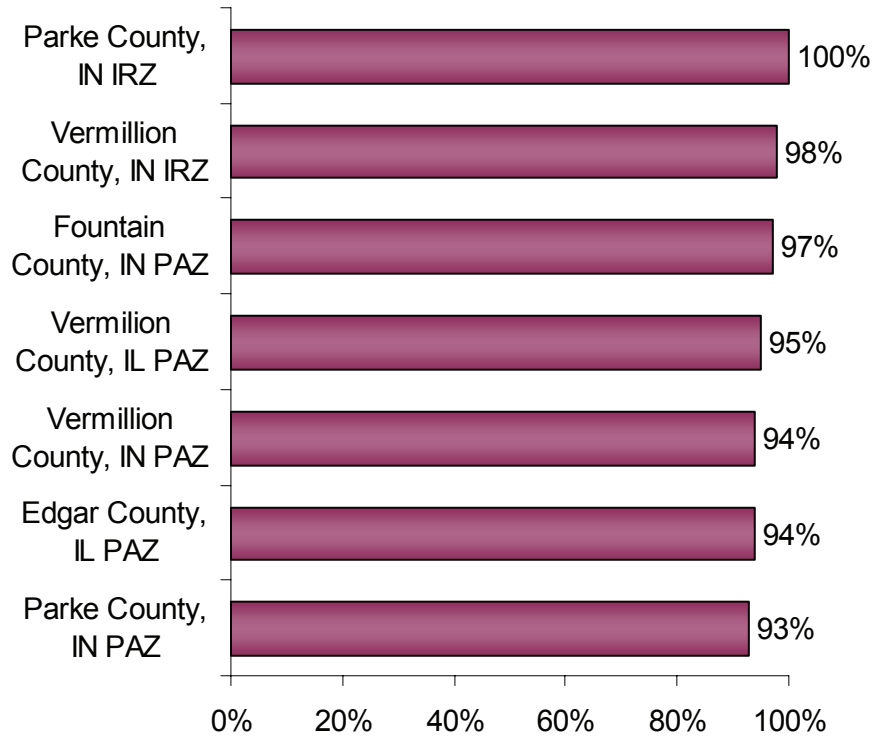


Figure 14: Percentage of Residents Who Expect to be Alerted Through an IAS/Weather Radio, Siren, TV, and/or AM/FM Radio by County-EPZ Group

Trust

To assess the residents’ level of trust in emergency personnel, residents were asked how confident they were that they would be notified quickly in the event of a chemical emergency.

Are you confident that the public will be notified quickly in case of a chemical emergency at the Newport Chemical Depot? (Q12)²²

As illustrated in Figure 15, 61% of EPZ residents feel confident that the public will be notified quickly in the event of a chemical emergency. There is no statistical difference between the results in the July/August 2005 survey (61%) and the December 2002 results (66%).

²² In the December 2002 telephone survey, this question read: “How confident are you that the public will be notified quickly in case of a chemical emergency at the Newport Chemical Depot?”

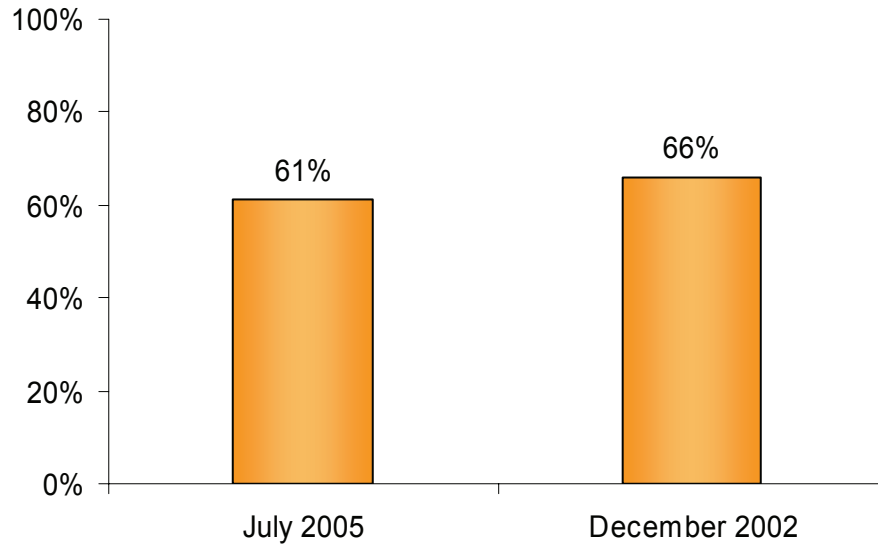


Figure 15: Confidence in the Public Being Notified Quickly of a Chemical Emergency

There is some variation in how confident residents feel depending on which County-EPZ group they live in, as shown in Figure 16.

- 77% of Parke County, IN IRZ residents are confident they will be notified quickly of a chemical emergency. This is 11 percentage points greater than the next highest group (66% in the Vermillion County, IN PAZ).
- Vermillion County, IL PAZ has the lowest percentage of residents who are confident they will be notified quickly of a chemical emergency (51%), a nine percentage point difference from the next lowest group (Parke County, IN PAZ with 60%).

Figure 17 shows the percentage of residents who feel confident that the public will be notified quickly in the event of a chemical emergency across seven CSEPP sites. The “N/A” indicates that a particular site did not ask this question during the time range shown in the graph legend.

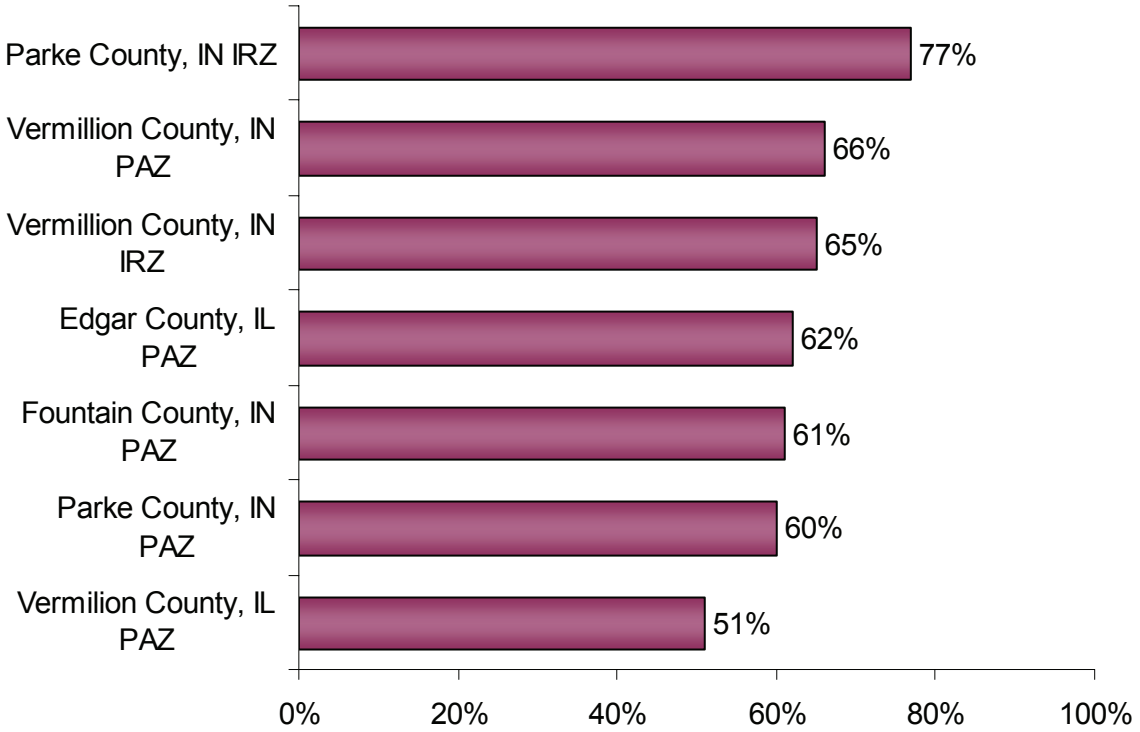


Figure 16: Confidence of Public Being Notified Quickly of a Chemical Emergency by County-EPZ Group

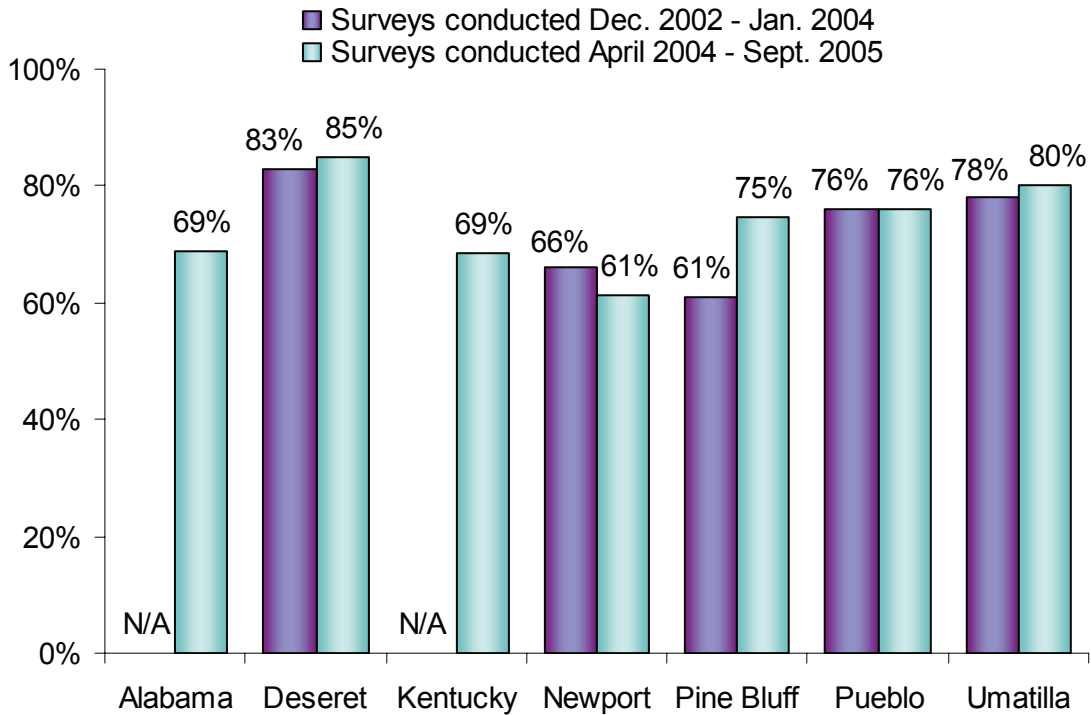


Figure 17: Confidence of Public Being Notified Quickly of a Chemical Emergency across Seven CSEPP Sites

The survey analysis found many statistical differences between the residents who are confident that the public will be notified quickly in case of a chemical emergency and those who are not confident. Specific results are listed under the subheadings below. These results do not account for the respondents who refused to answer a particular question.

Alert

- More residents who are confident that the public will be notified quickly in case of a chemical emergency at the Newport Chemical Depot indicate they would be alerted from an IAS/weather radio (37% vs. 23%), or the summary of siren and IAS/weather radio (73% vs. 59%) compared to those who are not confident.

Shelter-In-Place

- When asked about the actions they would take if instructed to shelter in place, a higher percentage of residents who are confident they will be notified quickly:
 - Indicate will listen to IAS/weather radio (40% vs. 23%).
 - Indicate they will take shelter-in-place step 2—shut windows and doors (81% vs. 70%),
 - Indicate they will take shelter-in-place step 3—shut off heating and cooling systems (66% vs. 52%)
 - Indicate they will take shelter-in-place step 4—go inside an interior room of a home or building (64% vs. 55%)
 - Indicate they will take shelter-in-place step 5—seal doors and windows of shelter room (56% vs. 43%)
 - Indicate they will take shelter-in-place step 6—listen to AM/FM radio, TV, or IAS/weather radio for further instructions from emergency officials (83% vs. 72%)
 - Indicate they will take shelter-in-place steps 1–2 (81% vs. 70%).
 - Indicate they will take shelter-in-place steps 1–3 (64% vs. 51%).
 - Indicate they will take shelter-in-place steps 1–4 (48% vs. 38%).
 - Indicate they will take shelter-in-place steps 1–5 (36% vs. 27%).
 - Indicate they will take shelter-in-place steps 1–6 (33% vs. 25%).
- A smaller percentage of residents who are confident that the public will be notified quickly in case of a chemical emergency at the Newport Chemical Depot indicate they will evacuate if instructed to shelter in place (20%) compared to residents who are not confident (32%).

Evacuate

- When asked about the actions they would take if instructed to evacuate, a higher percentage of residents who are confident they will be notified quickly:
 - Indicate they will listen to IAS/weather, AM/FM radio and/or TV (87% vs. 80%).
 - Indicate they will listen to IAS/weather radio (35% vs. 19%).

Emergency Plans

- More residents who are confident that the public will be notified quickly in case of a chemical emergency at the Newport Chemical Depot:
 - Indicate they have a shelter-in-place kit with duct tape, plastic, and instructions (25% vs. 14%).
 - Indicate they have a disaster supply kit (36% vs. 26%).

IAS/Weather Radio

- A higher percentage of residents who are confident that the public will be notified quickly in case of a chemical emergency at the Newport Chemical Depot have an IAS/weather radio (44%) compared to residents who are not confident (29%).

School Preparedness (K–12)

- More parents/grandparents who are confident that the public will be notified quickly in case of a chemical emergency:
 - Indicate they are confident that their children/grandchildren would be safe in the care of their school in the event of a chemical emergency (83% vs. 33%).
 - Indicate they are likely to get their children/grandchildren when notified it is safe to do so (68% vs. 47%).

Have Received Emergency Preparedness Information

- When asked about how they have received information about how to prepare for a chemical emergency, a higher percentage of residents who are confident that the public will be notified quickly in case of a chemical emergency:
 - Indicate they have received information from the newspaper (45% vs. 31%), direct mail (33% vs. 22%), AM/FM radio (31% vs.

19%), media sources²³ (56% vs. 41%), or from interaction with officials²⁴ (26% vs. 17%).

- Indicate they have read the emergency preparedness information in the annual CSEPP calendar (43% vs. 22%).
 - Fewer residents who are confident that the public will be notified quickly in case of a chemical emergency indicate they have not received any information about how to prepare for a chemical emergency (5%) compared to those residents who are not confident (12%).

Township

- A higher percentage of residents who are confident that the public will be notified quickly in case of a chemical emergency indicate they know what township they live in (83%) compared to residents who are not confident (75%).

Protective Actions

This section of the survey report provides insight into how residents inside the Newport EPZ will react in the event of a chemical emergency.

Evacuation

In the event of a chemical emergency at the Newport Chemical Depot, residents may be instructed to evacuate. During an evacuation, residents would be instructed to immediately leave their home or workplace toward the appropriate evacuation route.

If you were instructed to evacuate during a chemical emergency at the Newport Chemical Depot, which of the following would you do? (Q3)^{25,26}

Figure 18 shows the most common actions Newport EPZ residents indicate they would take if instructed to evacuate. All responses to this question are shown in Appendix A: Survey Text and Tabulations. 84% of residents indicate they would listen to an IAS/weather radio, TV, and/or AM/FM radio.

²³ This category includes a summary of the following responses: newspaper, TV and AM/FM radio

²⁴ This category includes a summary of the following responses: community events, public presentations, school presentations, work, training, military, the fire department, local EMA, and/or CSEPP.

²⁵ Multiple responses were accepted for this question.

²⁶ In the December 2002 telephone survey this question read: “If you were instructed to evacuate, what actions would you take?”

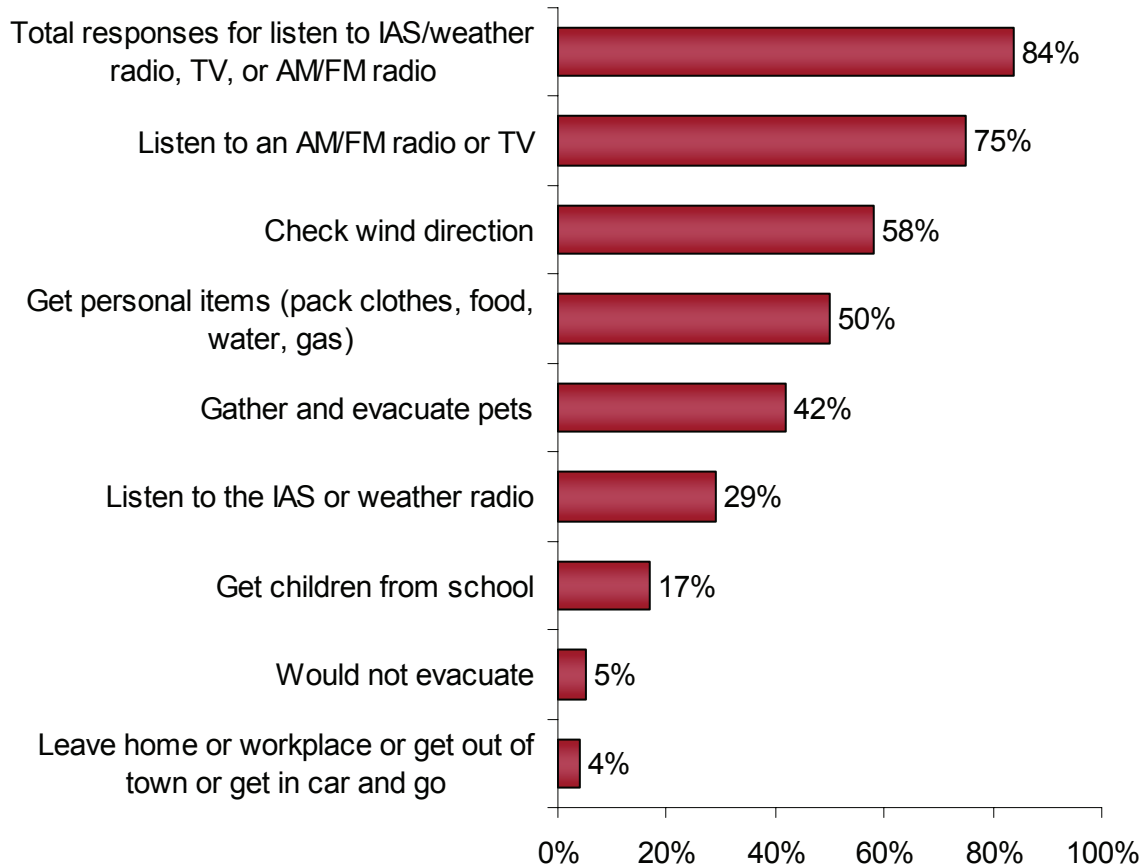


Figure 18: Actions Taken in an Evacuation

There is some variation between the County-EPZ groups as to whether they will listen to the AM/FM radio or TV versus an IAS/weather radio during an evacuation as illustrated in Figure 19. Responses for listening to an IAS/weather radio are highest among IRZ residents.

- 62% of Vermillion County, IN IRZ residents and 53% of Parke County, IN IRZ indicate they will listen to an IAS/weather radio (a difference of 9 percentage points)
- The highest percentage of residents within a PAZ that indicate they would listen to an IAS/weather radio is in Edgar County, IL PAZ with 33% (a difference of 19 percentage points from Parke County, IN IRZ with 53%).
- Only 15% of Vermilion County, IL PAZ residents indicate they would listen to an IAS/weather radio, which is 10 percentage points lower than the Parke County, IN PAZ (25%).

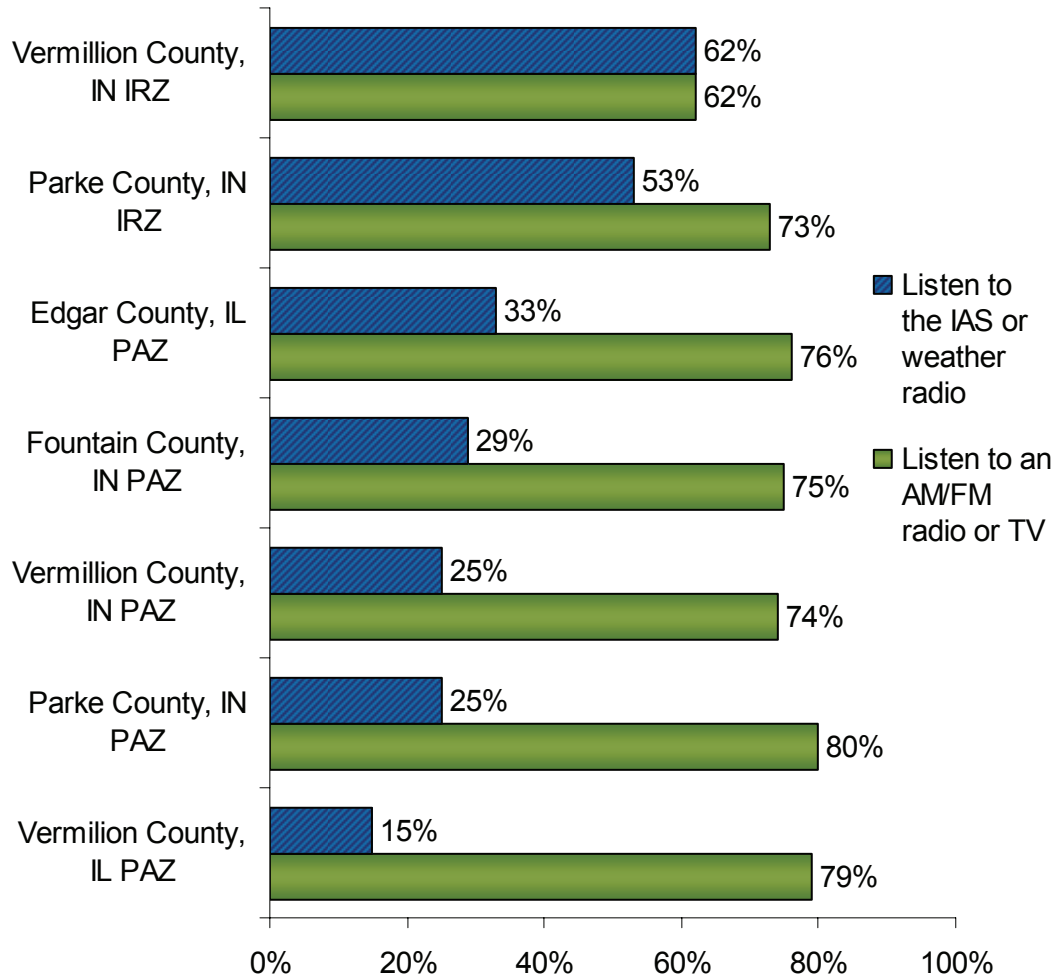


Figure 19: Actions taken in evacuation by County-EPZ groups

Vermillion County, IN IRZ residents have the lowest percentage (62%), among the County-EPZ groups, who indicate they will listen to the AM/FM radio or TV. This is 11 percentage points lower than all the other EPZ-County groups (compared to the 73% of IRZ Parke, IN residents). This may directly be attributed to that fact that Vermillion County, IN IRZ residents has the highest percentage who indicates they will listen to an IAS/weather radio (62%).

There are also several differences between the number of residents in each County-EPZ group who indicate in an evacuation that they will check wind directions or get personal items. This is illustrated in Figure 20.

- Fountain County, IN PAZ (70%) has the highest percentage of residents who indicate they would check the wind direction, which is 7 percentage points greater than the Vermillion County, IN IRZ residents (63%).
- Vermillion County, IN IRZ (38%) has the lowest percentage of residents who indicate they would get personal items during an evacuation. This is 11 percentage points lower than the Vermillion County, IN PAZ (47%).

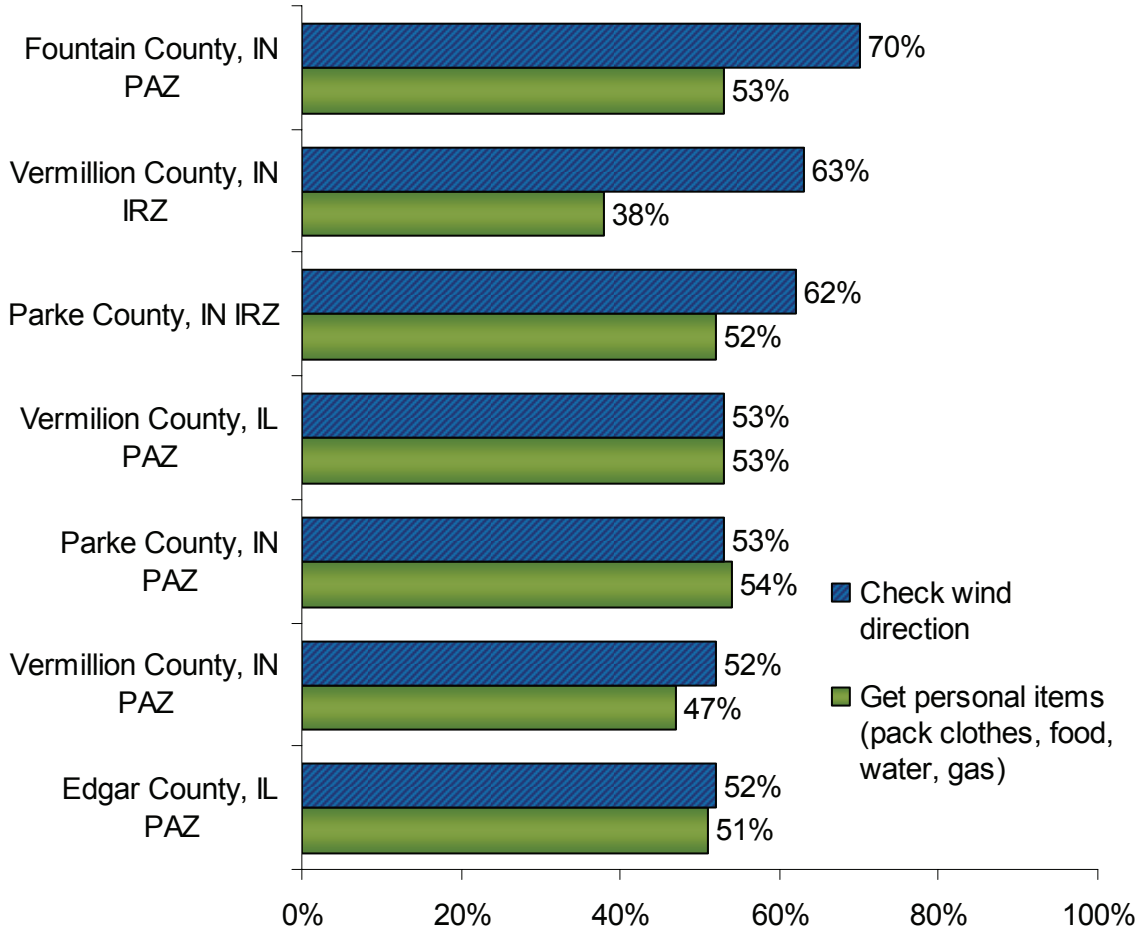


Figure 20: Actions taken in an evacuation by IRZ/PAZ

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. This procedure also allows people to avoid exposure to chemical agents during an attempt to evacuate.

If you were instructed to shelter in place during a chemical emergency at the Newport Chemical Depot, which of the following would you do? (Q2)^{27,28}

Figure 21 shows that there are many differences in how Newport EPZ residents responded in the July/August 2005 mail survey compared to the December 2002 telephone. Some of the differences may be at least partially due to the change in data collection methods.

²⁷ Multiple responses were accepted for this question.

²⁸ In the December 2002 telephone survey, this question read: “If you were instructed to shelter-in-place, what actions would you take?”

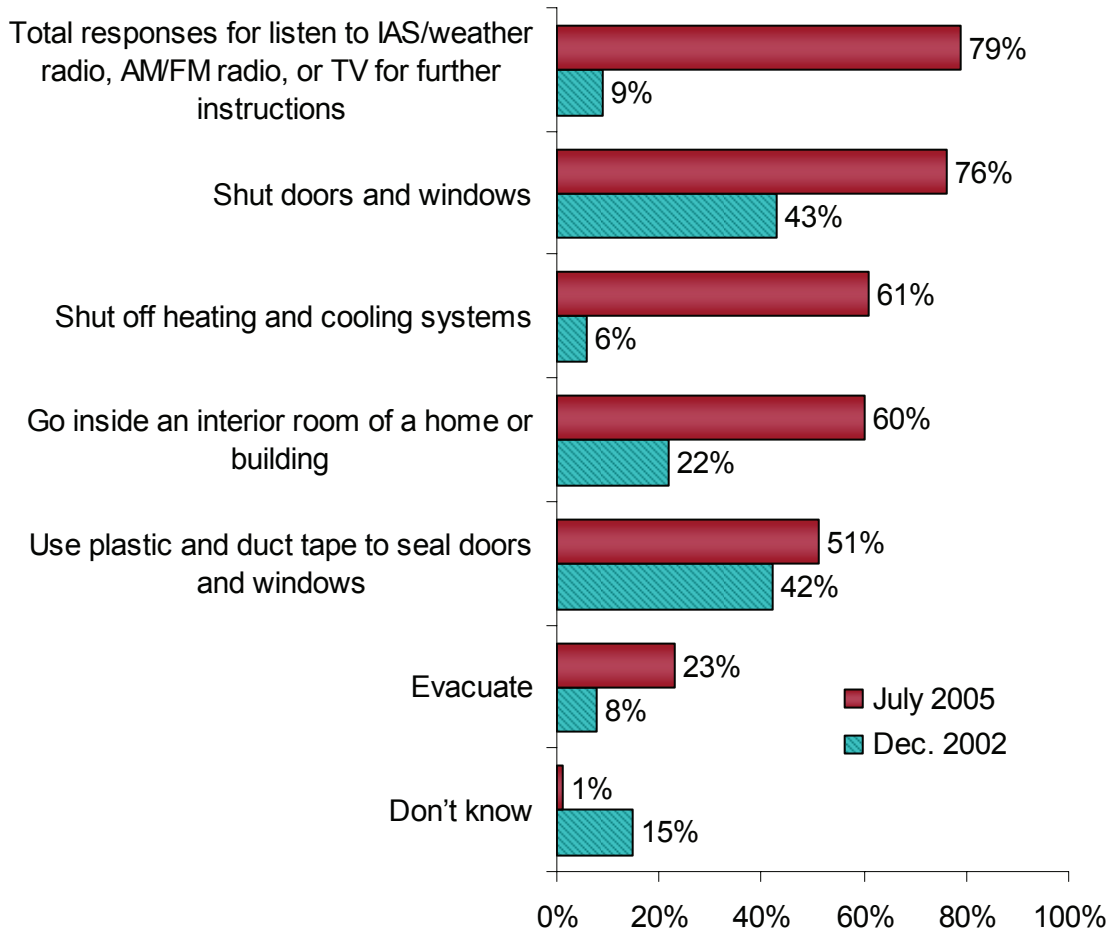


Figure 21: Actions Taken in Sheltering-in-Place

- The total responses for listen to an IAS/weather radio, AM/FM radio, and/or TV for further instructions increased 70 percentage points since December 2002 (79% in July/August 2005 vs. 9% in December 2002).
- Responses for shutting off heating and cooling system increased 55 percentage points (61% in July/August 2005 vs. 6% in December 2002).
- Residents who indicate they would go inside an interior room of a home or building increased from 22% in December 2002 to 60% in July/August 2005 (a difference of 38 percentage points).
- Responses for shut doors and windows increased 33 percentage points (76% in July/August 2005 vs. 43% in December 2002).
- Residents who responded that they would evacuate increased 15 percentage points (23% in July/August 2005 vs. 8% in December 2002).
- 1% of all residents in July/August 2005 responded that they “don’t know” what action(s) they would take compared to 15% in December 2002 (a decrease of 14 percentage points).

- Residents who responded that they would use plastic and duct tape to seal doors and windows increased 9 percentage points (51% in July/August 2005 vs. 42% in December 2002).

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. IEM used information from Newport’s public outreach materials to summarize the shelter-in-place actions into seven shelter-in-place steps in order of priority, namely:

1. Stay inside, or go inside if you are outside.
2. Close all doors to the outside, and close and lock all windows.
3. Turn off all air conditioning, heating, exhaust, and ventilation systems and fans.
4. Go into a central room with the least number of windows, such as a bathroom or interior closet.
5. In shelter room, use duct tape and plastic to seal doors and windows.
6. Listen to an AM/FM radio, television, or IAS/weather radio for further instructions from emergency officials.
7. When notified by emergency officials, exit the shelter and listen for further instructions.

Table 3 shows the percentage of survey respondents who indicate they would take shelter-in-place steps 1–6. Step seven is not included in this table 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.” 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, 59% of respondents said they would take steps 1, 2, and 3.

Table 3: Shelter-in-Place Steps

Shelter-in-Place Steps	Percentage of Total Sample	Percentage of Respondents Taking Cumulative Steps
Step 1: ▪ Go inside or stay inside ²⁹	93%	93%
Step 2: ▪ Shut doors and windows	76%	76%
Step 3: ▪ Shut off heating and cooling systems	61%	59%
Step 4: ▪ Go into an interior or shelter room	60%	44%
Step 5: ▪ Seal doors and windows of shelter room	51%	32%
Step 6: ▪ Listen to AM/FM radio, TV, or IAS/weather radio for further instructions from emergency officials	79%	30%

As shown in Column 2 of Table 3, over one-half of residents indicate they will take the individual shelter in place steps. When summarizing the cumulative steps in Column 3, it reveals that 30% of all residents indicate they will take all of the shelter-in-place steps 1–6.

Table 4 shows the percentage for the individual shelter-in-place steps (similar to values in Column 2 of Table 3) by County-EPZ. Percentages of note are shown in bold. There is a similar percentage of residents in the County-EPZ groups who indicate they will take Steps 1, 2, and 6. There are some differences among the groups with regard to steps 3–5 as noted below:

- Fewer Fountain County, IN PAZ (51%) and Vermillion County, IL PAZ (52%) indicate they will take step 2—Shut off heating and cooling systems.
- Parke County, IN IRZ has the highest percentage of residents who indicate they will take step 4 (77%) and step 5 (73%).
- Vermillion County, IL PAZ has the lowest percentage of residents who indicate they will take step 5 (36%).

²⁹ This category includes all responses that indicate the resident would go or stay inside.

Table 4: Shelter-in-Place Steps by County-EPZ

	Parke County, IN IRZ	Vermillion County, IN IRZ	Edgar County, IL PAZ	Fountain County, IN PAZ	Parke County, IN PAZ	Vermillion County, IL PAZ	Vermillion County, IN PAZ
Step 1: Go inside or stay inside	93%	90%	99%	93%	88%	89%	94%
Step 2: Shut doors and windows	75%	73%	76%	75%	78%	72%	82%
Step 3: Shut off heating and cooling systems	67%	67%	65%	51%	62%	52%	72%
Step 4: Go into an interior or shelter room	77%	56%	52%	58%	65%	52%	67%
Step 5: Seal doors and windows of shelter room	73%	66%	41%	51%	49%	36%	57%
Step 6: Listen to AM/FM radio, TV, or IAS/weather radio for further instructions from emergency officials	82%	83%	80%	77%	80%	77%	79%

Figure 22 shows how many residents in each County-EPZ group indicate they will take all shelter-in-place steps 1–6. Parke County, IN IRZ has the highest percentage (45%) of the County-EPZ groups who indicate they would take all six steps, while Parke County, IN PAZ and Edgar County, IL PAZ has the lowest percentage (19%).

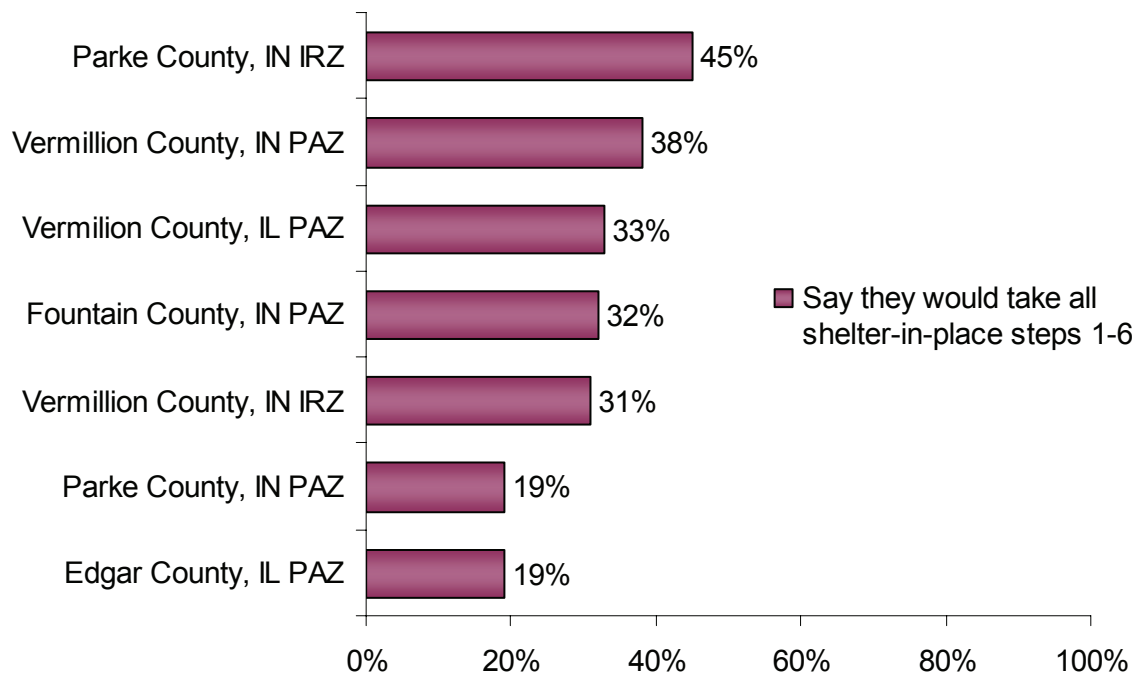


Figure 22: Residents Who Perform All Shelter-in-Place Steps 1–6

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

- Almost one-in-four (23%) residents indicate they would evacuate if instructed to shelter-in-place.

Figure 23 shows the percentage of each County-EPZ group who would evacuate if instructed to shelter in place. Note that fewer Parke County, IN PAZ residents (12%) indicate they would evacuate when instructed to shelter in place compared to the other County-EPZ groups (18–32%).

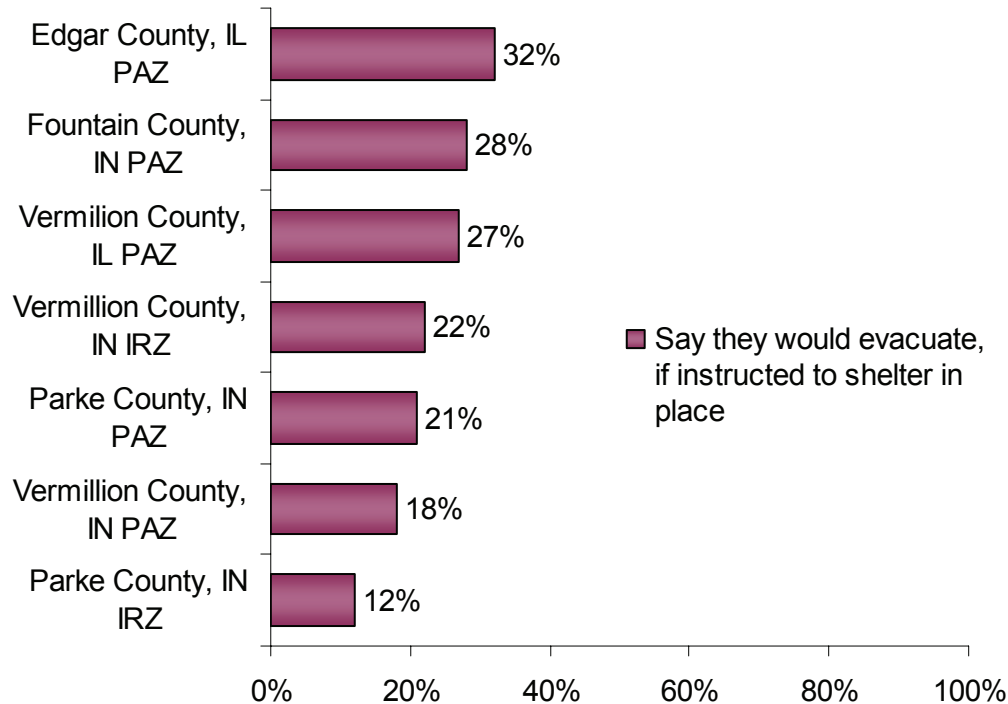


Figure 23: Percentage of Residents Who Would Evacuate if Instructed to Shelter in Place

Do you or any member of your household, have any physical or mental condition that would prevent you or them from being able to shelter in place or evacuate? (Q15)³⁰

6% of all residents indicate a member of their household has a physical or mental condition that would prevent him or her from sheltering-in-place or evacuating. Figure 24 shows that there is not a significant difference between residents in the County-EPZ groups.

³⁰ The Newport site added this question in July 2005.

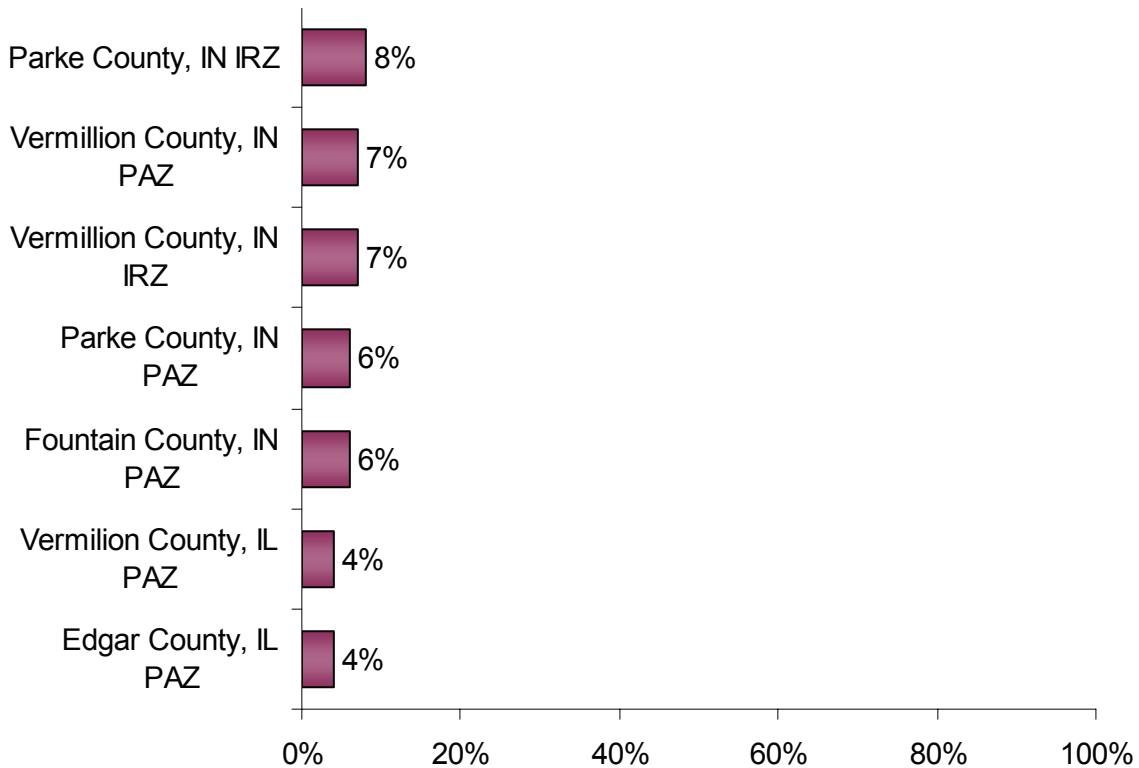


Figure 24: Residents With Physical or Mental Conditions by County-EPZ

The survey analysis found several statistical differences between the residents who have a household member with a physical or mental condition that would prevent them from being able to shelter in place or evacuate and those who do not. Specific results are listed under the subheadings below. These results do not account for the respondents who refused to answer a particular question.

Alert

- More residents who have a household member with a physical or mental condition that would prevent them from being able to shelter in place or evacuate indicate they would be alerted of a chemical emergency from a television (81% vs. 64%) or at an EAS station on the TV or AM/FM radio (84% vs. 72%).

Shelter-In-Place

- When asked about the actions they would take if instructed to shelter in place, a higher percentage of residents who have a household member with a physical or mental condition:
 - Indicate they will take shelter-in-place step 3—shut off heating and cooling systems (69% vs. 61%).
 - Indicate will listen to IAS/weather radio (41% vs. 35%).
 - Indicate they will evacuate (45% vs. 21%).

- Indicate they will take shelter-in-place steps 1–3 (69% vs. 59%).
- Indicate they will take shelter-in-place steps 1–4 (57% vs. 44%).
- Indicate they will take shelter-in-place steps 1–5 (41% vs. 33%).

Evacuate

- More residents who have a household member with a physical or mental condition indicate they would listen to an AM/FM radio or TV if instructed to evacuate during a chemical emergency (82% vs. 75%).
- Fewer residents who have a household member with a physical or mental condition indicate they would gather and evacuate pets if instructed to evacuate during a chemical emergency (35% vs. 43%).

Emergency Plans

- More residents who have a household member with a physical or mental condition indicate they have a family emergency plan (42% vs. 33%).
- A smaller percentage of residents who have a household member with a physical or mental condition:
 - Indicate they are familiar with the names of the major roads and highways in their area (86% vs. 96%).
 - Indicate they have a disaster supply kit (25% vs. 34%).

School Preparedness (K–12)

- Fewer residents who have a household member with a physical or mental condition have children/grandchildren in a local school in grades K–12 (34% vs. 43%).
- Fewer parents/grandparents who have a household member with a physical or mental condition are familiar with the emergency plan at their children's/grandchildren's school(s) (25% vs. 38%).

Have Received Emergency Preparedness Information

- More residents who have a household member with a physical or mental condition indicate they have received information about how to prepare for a chemical emergency from the newspaper (49% vs. 40%).
- Fewer residents who have a household member with a physical or mental condition:
 - Indicate they have received information about how to prepare for a chemical emergency through direct mail (26% vs. 33%),

community events or fairs (6% vs.13%), or from interaction with officials³¹ (16% vs. 25%).

Township

- Fewer residents who have a household member with a physical or mental condition that would prevent them from being able to shelter in place or evacuate, know what township they live in (84%) compared to residents who do not have a household member with a physical or mental condition (94%).

School Preparedness (K–12)

In the event of a chemical emergency at the Deseret Chemical Depot, schools inside the EPZ may shelter the students at the school or evacuate students to host schools or designated reception centers outside the area of danger.

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

Do you have children or grandchildren in a local school in grades K–12? (Q7)³²

Approximately four-in-ten (42%) residents in the Newport EPZ have children or grandchildren in local schools, grades K–12. Figure 25 shows the percentage of residents in each County-EPZ group who indicate they have children or grandchildren in school. Vermillion County, IN IRZ (48%) has the highest percentage of residents who have children/grandchildren in school, while Edgar County, IL PAZ has the lowest percentage of residents (35%; a difference of 13 percentage points).

³¹ This category includes a summary of the following responses: community events, public presentations, school presentations, work, training, military, the fire department, local EMA, and/or CSEPP.

³² The Newport site added "or grandchildren" to this question for the July 2005 mail survey.

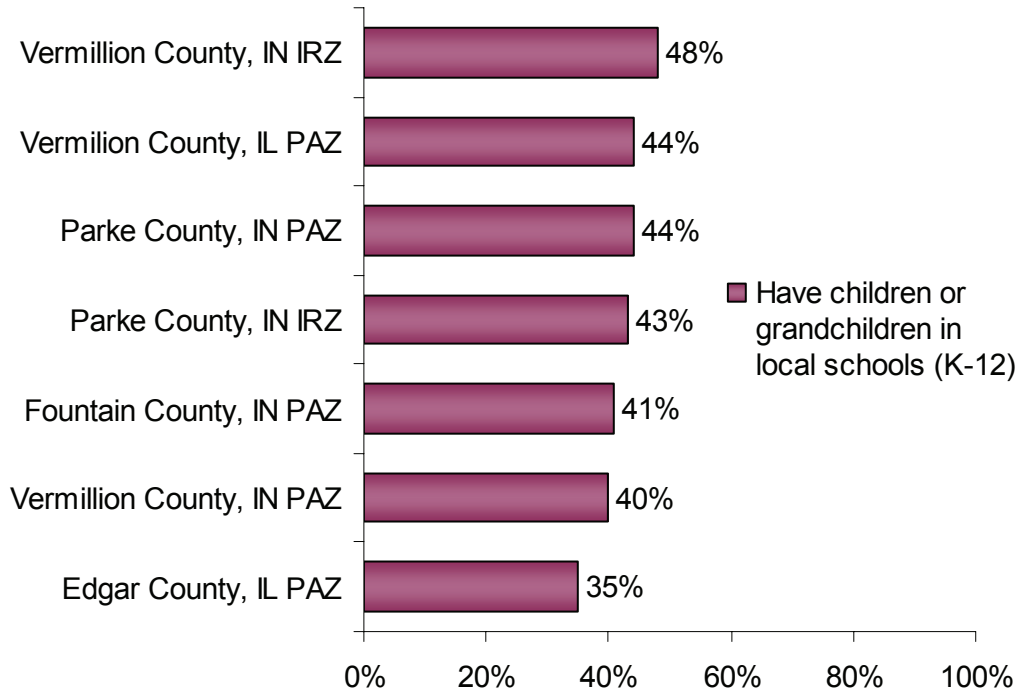


Figure 25: Respondents with Children or Grandchildren in Local Schools, K–12

The survey analysis found several statistical differences between the residents who children/grandchildren in a local school in grades K–12 and those who do not. Specific results are listed under the subheadings below. These results do not account for the respondents who refused to answer a particular question.

Shelter-In-Place

- When asked about the actions they would take if instructed to shelter in place, a higher percentage of residents who have children/grandchildren in a local school in grades K–12:
 - Indicate they will take shelter-in-place step 5—seal doors and windows of shelter room (56% vs. 47%).
 - Indicate they will take shelter-in-place steps 1–5 (37% vs. 29%).

Evacuate

- 33% of the residents who have children/grandchildren in a local school in grades K–12 indicate they will get the children/grandchildren from school if instructed to evacuate compared to 6% of residents who do not have children/grandchildren in a local school.

Emergency Plans

- A higher percentage of residents who have children/grandchildren in a local school in grades K–12 indicate they have a family meeting place in

case of an emergency (35%) compared to residents who do not have children/grandchildren in a local school (28%).

Have Received Emergency Preparedness Information

- Fewer residents who have children/grandchildren in a local school in grades K–12 indicate they received information about how to prepare for a chemical emergency from the newspaper (37%) compared to residents who do not have children/grandchildren in a local school (41%).
- More residents who have children/grandchildren in a local school in grades K–12 indicate they have read the emergency preparedness information in the annual CSEPP calendar (40%) compared to those residents who do not have children/grandchildren in a local school in grades K–12 (33%).

Are you familiar with the emergency plan at your children’s or grandchildren’s school(s)? (Q8)³³

Only 35% of parents and grandparents indicate they are familiar with the emergency plan at their children’s/grandchildren’s school in July/August 2005. Figure 26 shows the percentage of parent/grandparents within each County-EPZ group who indicate they are familiar with the school’s plan. More residents in the IRZ are familiar with their children’s or grandchildren’s school emergency plan, compared to PAZ residents.

- Vermillion County, IN IRZ (56%) and Parke County, IN IRZ (54%) have the highest percentage of parents/grandparents, among the County-EPZ groups, who indicate they are familiar with their children’s/grandchildren’s school emergency plans.
- Vermillion County, IL PAZ has the lowest percentage with only 17%.

³³ The Newport site added this question in the July 2005 mail survey.

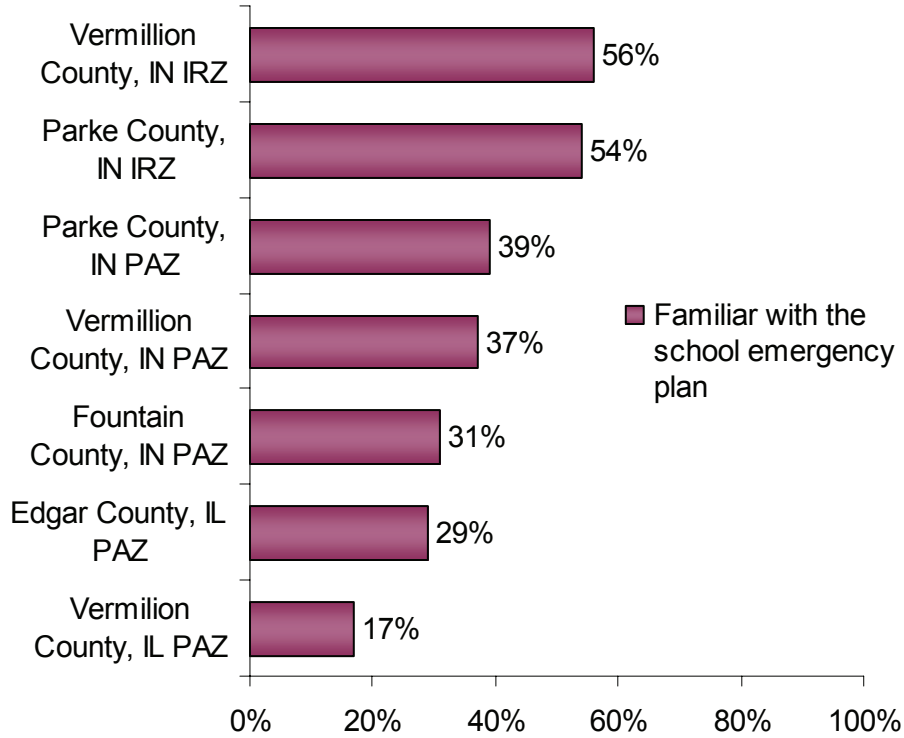


Figure 26: Familiar with School Emergency Plan

Newport is the only CSEPP site who has asked if grandparents are familiar with their grandchildren’s school emergency plan. The other sites have only asked parents of their familiarity with school emergency plans. Figure 27 shows the percentage of parents who are familiar with their children’s school emergency plan across the five CSEPP sites that asked this question.

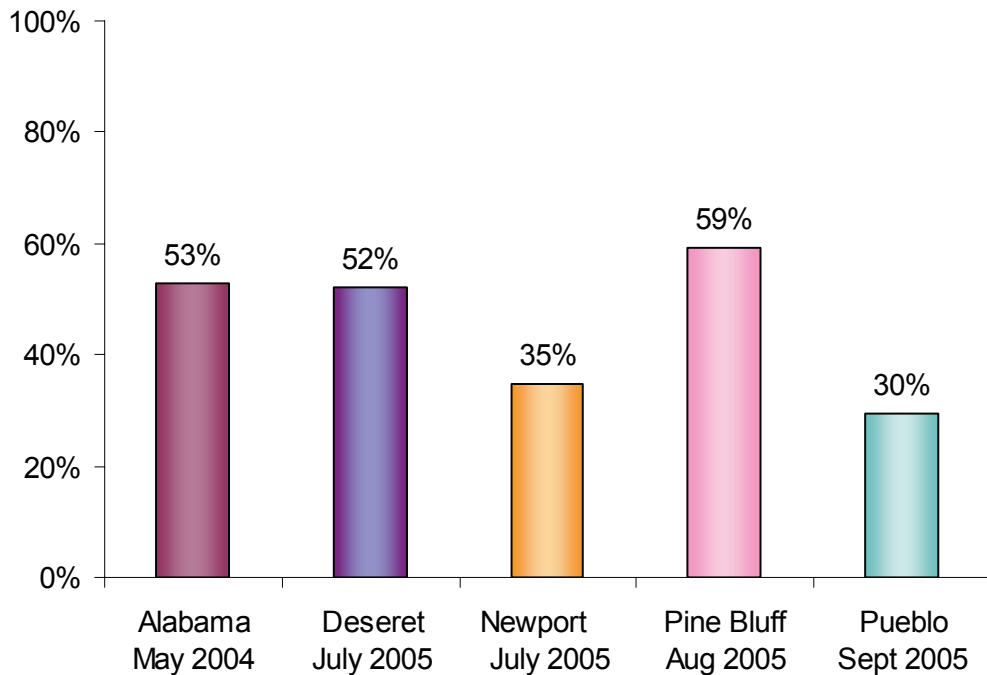


Figure 27: Familiar with School Emergency Plan across Five CSEPP Sites

Are you confident that your children or grandchildren would be safe in the care of their school in the event of a chemical emergency at the Newport Chemical Depot? (Q9)³⁴

In the July/August 2005 survey, 64% of parents/grandparents indicate they are confident that their children/grandchildren would be safe in the care of their school(s) in the event of a chemical emergency at the Newport Chemical Depot, shown in Figure 28. This is an increase of 11 percentage points from the December 2002 telephone survey (53%).

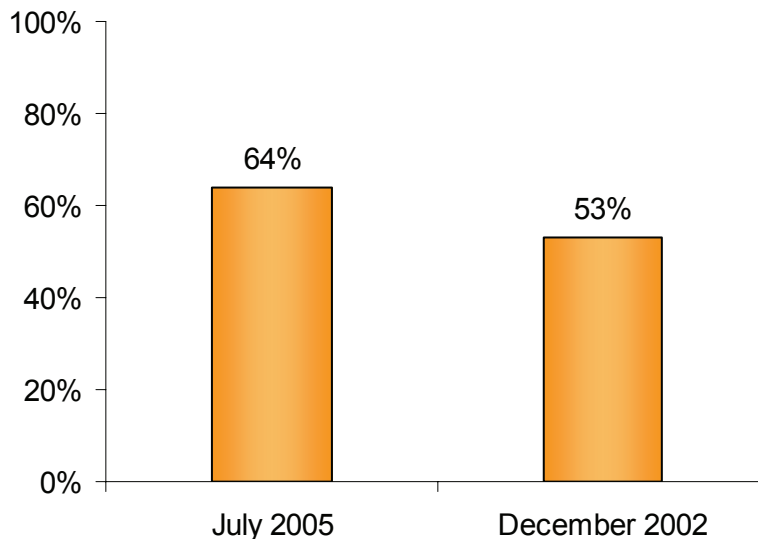


Figure 28: Parents'/Grandparents' Confidence in Children's/Grandchildren's Safety at School

The levels of confidence of parents/grandparents in their children's/grandchildren's safety at school are greatest in the IRZ as shown in Figure 29.

- Parke County, IN IRZ (77%) and Vermillion County, IN IRZ (75%) have a higher percentage of parents/grandparents who indicate they are confident compared to the PAZ Counties. Vermillion County, IN PAZ with 64% is 11 percentage points lower than Vermillion County, IN IRZ.
- Vermilion County, IL PAZ (53%) has the lowest percentage of the County-EPZ groups, which is 7 percentage points lower than Edgar County, IL PAZ with 60%.

³⁴ In the December 2002 telephone 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 Newport Chemical Depot?"

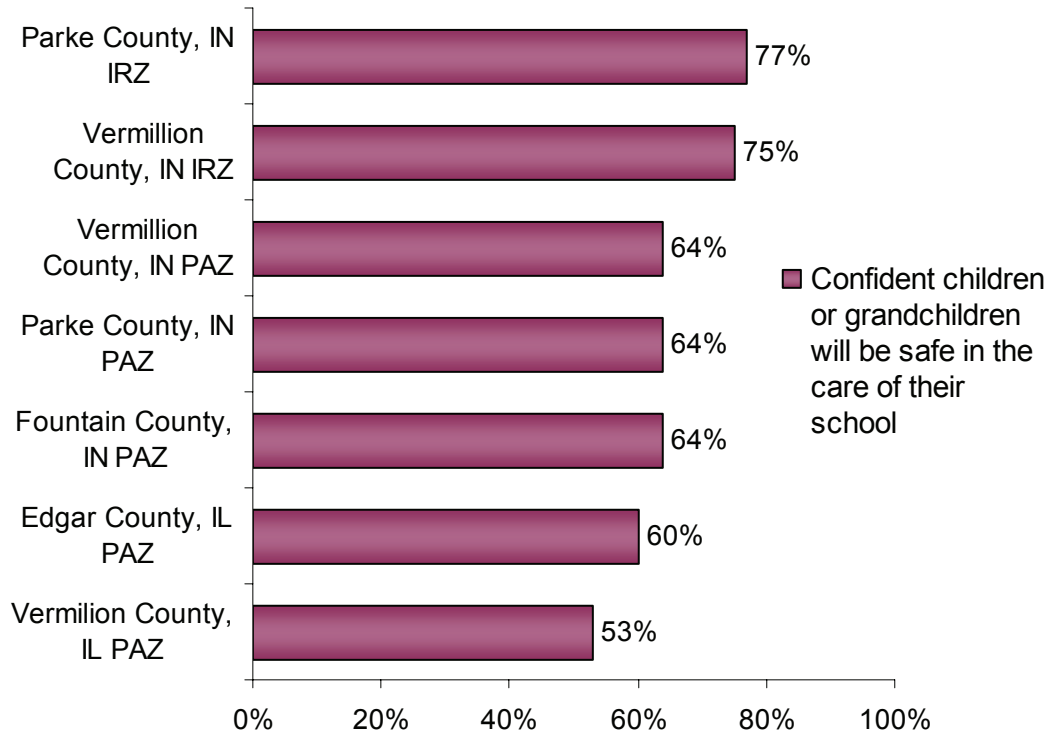


Figure 29: Percentage of Parents/Grandparents Who are Confident Their Children/Grandchildren Will be Safe in the Care of Their School

In the event of a chemical emergency at the Newport Chemical Depot, do you know not to go to the school to get your children or grandchildren? (Q10a)³⁵

The wording for this question originally read: “In the event of a chemical emergency at the Newport Chemical Depot, would you go to the school to get your children or grandchildren?” The question wording was changed to the above wording before the questionnaires were sent out to the Newport residents. As a result of this change, a great deal of confusion among survey respondents occurred. Based on the responses from question 10b, IEM estimated³⁶ parents’ and grandparents’ likelihood to go to school during a chemical emergency at the Newport Chemical Depot. These results are provided in the section below.

It was estimated that 78% of all parents/grandparents would go to their children’s/grandchildren’s school to pick them up in a chemical emergency. Figure 30 illustrates the percentage of parents/grandparents in each County-EPZ group who would pick up their children/grandchildren from school.

³⁵ In the December 2002 telephone survey, this question read: “In the event of a chemical emergency at the Newport Chemical Depot, are you likely or unlikely to go to the school to get your child/children?” Because of the question wording change in July 2005 the results are not comparable.

³⁶ IEM estimated the likelihood of parents/grandparents going to school during a chemical emergency by assuming that if the parents/grandparents marked an answer in question 10b then they were likely to go to school and if they did not mark an answer in question 10b they were not likely to go to school.

- Vermillion County, IN IRZ has the highest percentage of parents/grandparents who would pick them up (86%), while the Edgar County, IL PAZ has the lowest percentage (56%; a difference of 30 percentage points).

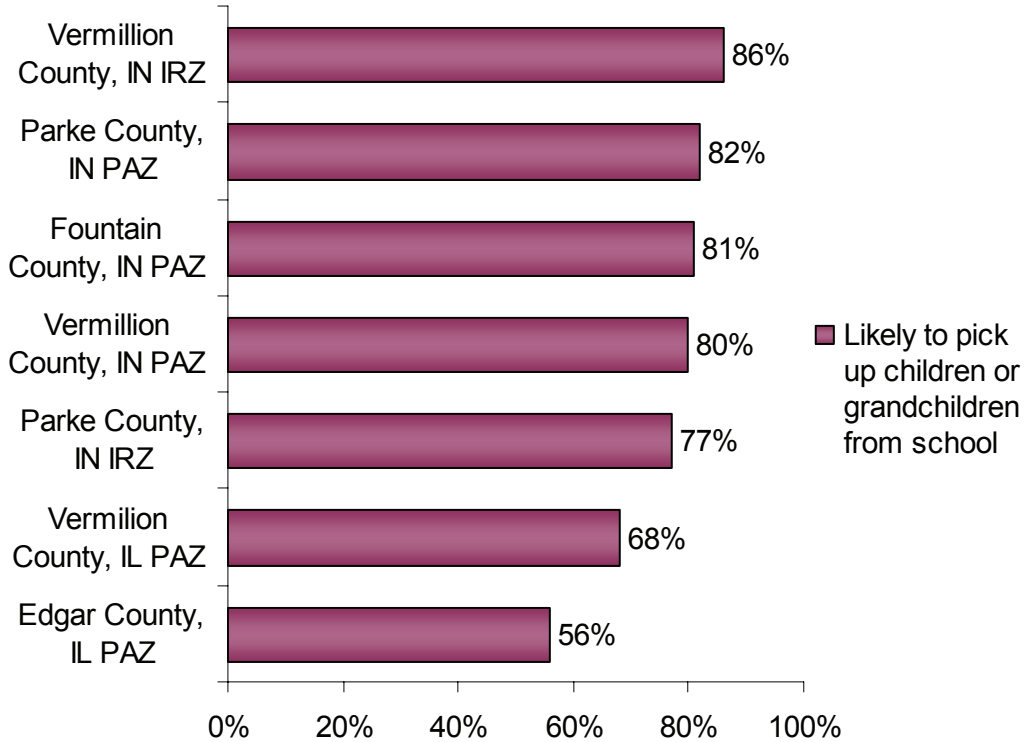


Figure 30: Parents’/Grandparents’ Likelihood of Getting Their Children/Grandchildren from School

Newport is the only CSEPP site who has asked if grandparents are likely to get their grandchildren from school. The other sites have only asked parents this question. Figure 31 shows the percentage of parents who indicate they are likely to pick up their children from school during a chemical emergency across the eight CSEPP sites. The “N/A” indicates that a particular site did not ask this question during the time range shown in the graph legend.

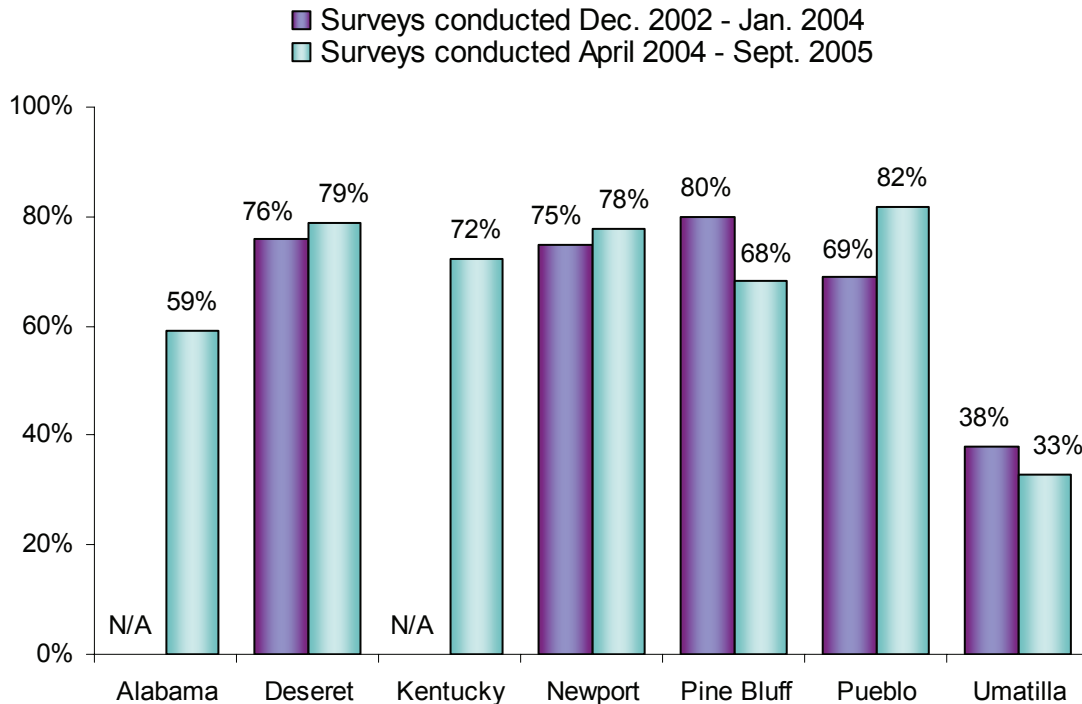


Figure 31: Parents' Likelihood of Picking Up Their Children from School across Seven CSEPP Sites

Would you pick up your children or grandchildren from school immediately or when notified that it is safe to do so? (Q10b)³⁷

Only parents/grandparents who said they would pick up their children/grandchildren from school were asked this question. This question is important because it clarifies when parent/grandparents intend to pick up their children/grandchildren during an emergency.

Figure 32 shows a summary of the results for all survey respondents who have school-aged (K–12) children/grandchildren. Only 18% of all parents/grandparents intend to get their children/grandchildren immediately from school, 60% intend to get them when notified it is safe to do so, and 22% are not likely to get their children/grandchildren during a chemical event. This is an important result because even though close to eight-in-ten (78%) parents/grandparents are likely to get their children/grandchildren from school, six-in-ten (60%) will wait until they have been notified it is safe to go to the school. To summarize, 82% of parents/grandparents will take correct actions—either wait until it is safe to go to school or not go to school at all.

Figure 32 shows this summary for each County-EPZ group. Note that in almost all groups, except for Edgar County, IL PAZ, the highest percentage of parent/grandparents indicate they will pick up their children/grandchildren when notified it is safe to do so.

³⁷ The Newport site added this question in July 2005.

- Vermillion County, IL IRZ has the highest percentage of parent/grandparents (77%) who indicate they will pick up their children/grandchildren when notified it is safe to do so.
- Edgar County, IL PAZ has the highest percentage of parent/grandparents (44%) who indicate they are not likely to pick up their children/grandchildren from school.

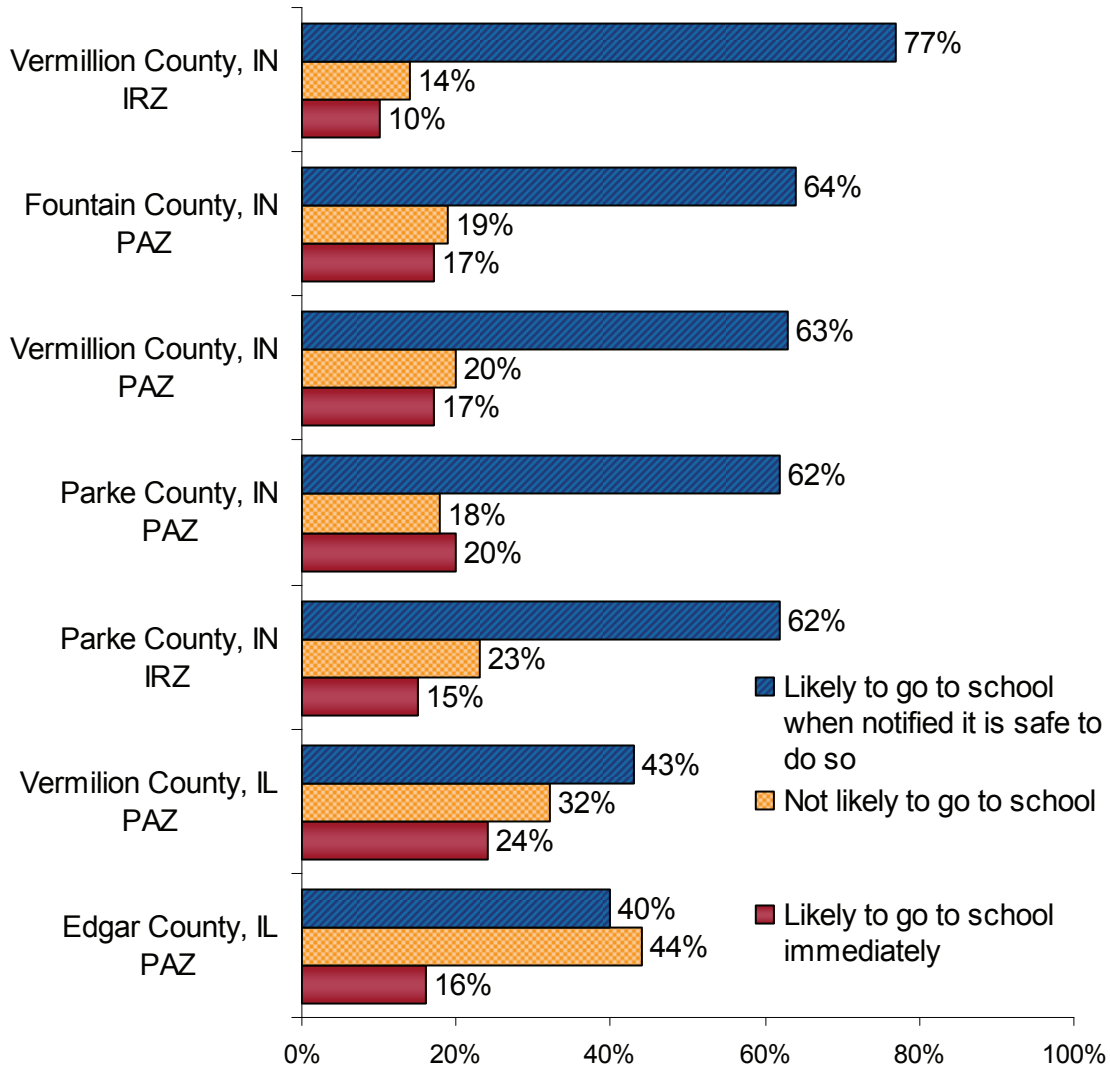


Figure 32: Summary of Parents/Grandparents Picking Up Children/Grandchildren from School

Newport is the only CSEPP site who has asked grandparents when they are likely to get their grandchildren from school. Other CSEPP sites have only asked parents this question. Figure 33 shows the percentage of parents who indicate they are likely to pick up their children immediately from school, those who indicate they will pick them up when notified it is safe to do so, and those who are unlikely to pick their children up from school during a chemical emergency across the four CSEPP sites that asked these questions. Note that Newport has a similar

percentage of residents who indicate they will not go to school compared to the other CSEPP sites, and a lower percentage who indicate they would get their children immediately.

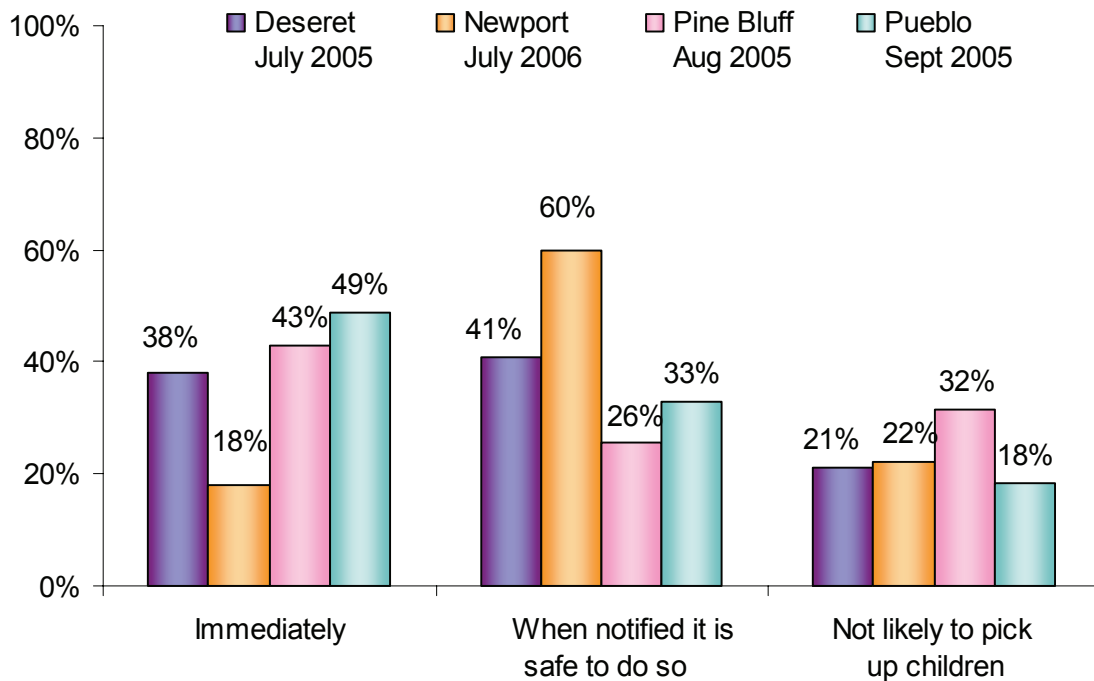


Figure 33: Summary of Parents Picking Up Children from School across Four CSEPP Sites

Sources of CSEPP Outreach Information

County Emergency Management Agencies (EMAs) have targeted their audience through various channels, including the following:

- Brochures on emergency preparedness
- Periodic inserts or articles in the local newspaper that contain emergency preparedness information
- Public speaking engagements
- School presentations
- Booths at fairs and community events
- Working with school officials to update emergency plans
- Indiana has conducted television interviews focusing on emergency preparedness kits and shelter-in-place kits
- Indiana has also developed an annual CSEPP calendar

The following question was designed to identify sources that are reaching residents.

How have you received information about how to prepare for a chemical emergency? (Q11)^{38,39}

Most EPZ residents have received emergency preparedness information through an informational pamphlet or flier (39%), newspaper (39%), word-of-mouth (30%), and/or direct mail (29%). All responses to this question are provided in Appendix A: Survey Text and Tabulations.

As shown in Figure 34, the responses for informational pamphlet/flier and direct mail differ by County-EPZ group.

- More Parke County IN, IRZ residents and Vermillion County, IN IRZ residents have received emergency preparedness information from an information pamphlet/flier (62% and 58%, respectively) and through direct mail (40% and 41%, respectively) compared to other County-EPZ groups (17–45% and 12–33%, respectively).
- Vermillion County, IL PAZ residents have the lowest percentage who indicates they have received emergency preparedness information from an informational pamphlet/flier and direct mail (17% and 12%, respectively).

³⁸ The Newport site added this question in July 2005.

³⁹ Multiple responses were accepted for this question.

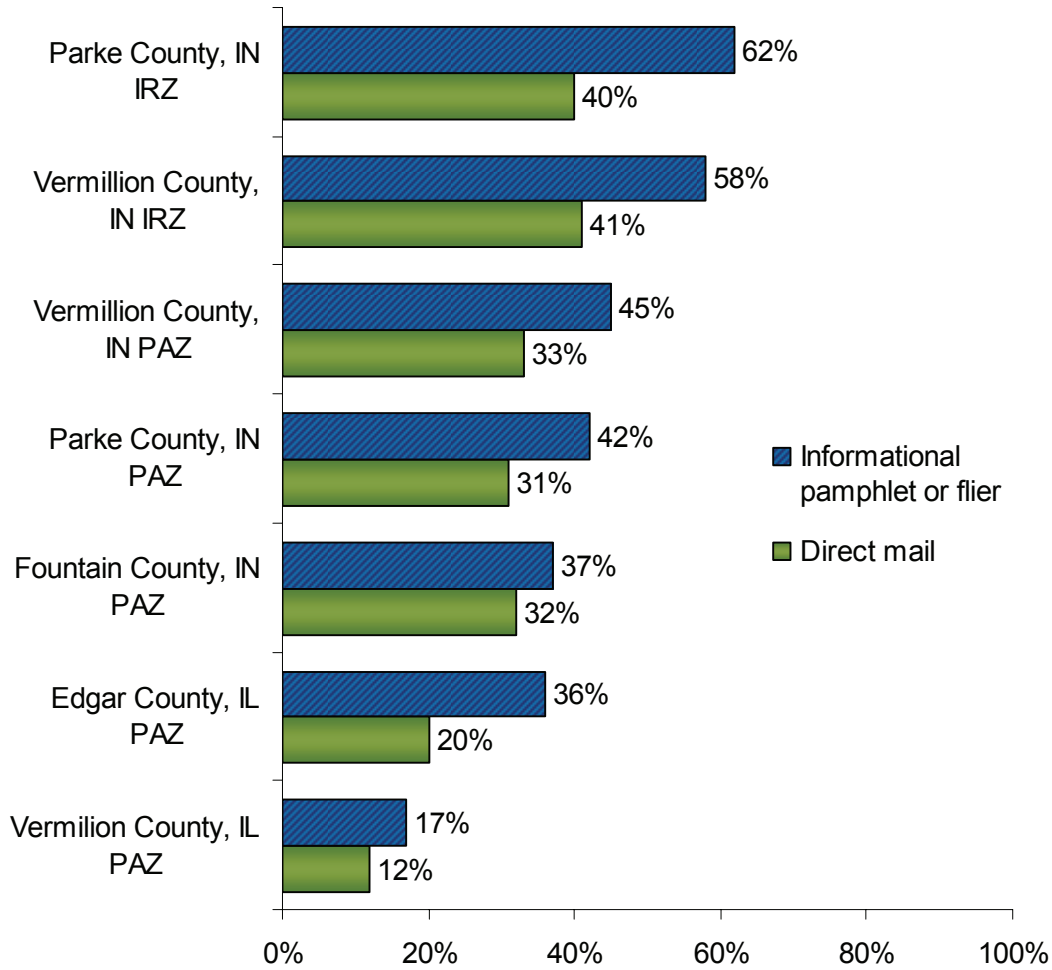


Figure 34: Residents Who Have Received CSEPP Information Via Pamphlet/Flier or Direct Mail

In the survey analysis, the individual responses for this question were summarized into the categories below. Note that the summary percentages are not the same as the simple addition of the individual percentages because survey respondents were able to give multiple responses for this question.

- 54% of residents indicate they have received emergency preparedness information from outreach materials, including the calendar, direct mail, pamphlet, flier, and shelter in place video.

The lowest percentage of residents among the County-EPZ groups who indicate they have received emergency preparedness information from outreach materials is Vermillion County, IL PAZ (24%) which is 20 percentage points lower than the next County-EPZ group (Edgar County, IL PAZ with 44%). This corresponds to Vermillion County, IL PAZ having the lowest percentage of residents who have received information through an information pamphlet or flier (17%) and direct mail (12%).

- 50% of residents indicate they have received information through the media—newspaper, TV, and/or AM/FM radio.

There is no statistical difference between the percentages of County-EPZ groups who have received information from media sources.

- 30% of residents indicate they have received emergency preparedness information through word-of-mouth, family, and friends.

Vermillion County, IN IRZ (40%) has the highest percentage among the County-EPZ groups (25–33%).

- 22% of residents indicate they have received information through community events, public presentations, school presentations, work, training, military, the fire department, local EMA, and/or CSEPP.

Vermilion County, IL PAZ (10%) has the lowest percentage among the County-EPZ groups (20–36%).

Calendar

The annual CSEPP calendar is sent to residents living in the Indiana portion of the emergency planning zones. It contains important information on preparing for a possible chemical emergency.

Have you read the emergency preparedness information in the annual Chemical Stockpile Emergency Preparedness Calendar? (Q13)⁴⁰

In July/August 2005, approximately one-third (36%) of Indiana residents living in the Newport EPZ indicate they have read the information in the calendar. This question was not asked in the December 2002 telephone survey. Figure 35 shows that calendar readership is greatest within the Parke County, IN IRZ with 63%, followed by Vermillion County, IN IRZ with 47% (a 16 percentage point difference). Calendar readership in the Vermillion County, IN IRZ (47%) is 11 percentage points greater than the PAZ area with the highest percentage of calendar readership (Fountain County, IN PAZ with 36%).

⁴⁰ The Newport site added this question in July 2005.

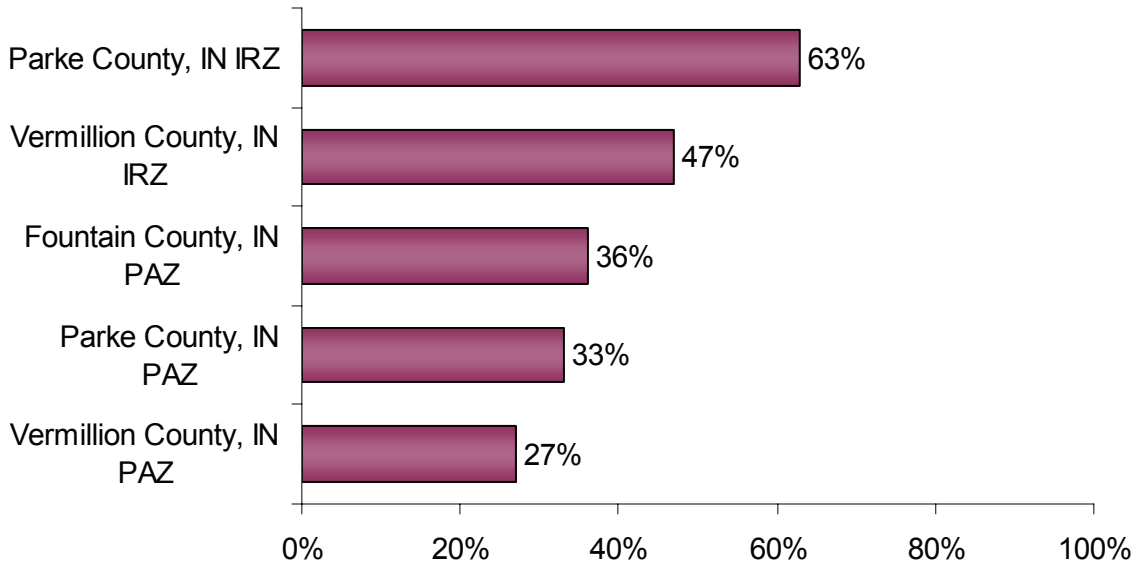


Figure 35: Calendar Readership by EPZ-County Group

The survey analysis found many statistical differences between the residents who have read the emergency preparedness information in the annual CSEPP calendar and those who have not. Specific results are listed under the subheadings below. These results do not account for the respondents who refused to answer a particular question.

Alert

- More residents who have read the emergency preparedness information in the annual CSEPP calendar indicate they would be alerted by an IAS/weather radio (52% vs. 27%), or the summary of a siren or IAS/weather radio (81% vs. 65%) compared to those residents who have not read the calendar.
- Fewer residents who have read the emergency preparedness information in the annual CSEPP calendar indicate they would be alerted by family/friends (32%) compared to those residents who have not read the calendar (39%).
- More residents who have read the calendar are confident that the public will be notified quickly in case of a chemical emergency at the Newport Chemical Depot (77%) compared to residents who have not read the calendar (56%).

Shelter-In-Place

- When asked about the actions they would take if instructed to shelter in place, a higher percentage of residents who have read the calendar:
 - Indicate they will take shelter-in-place step 3—shut off heating and cooling systems (73% vs. 56%).

- Indicate they will take shelter-in-place step 5—seal doors and windows of shelter room (69% vs. 47%).
- Indicate they will take shelter-in-place steps 1–3 (70% vs. 55%).
- Indicate they will take shelter-in-place steps 1–4 (55% vs. 42%).
- Indicate they will take shelter-in-place steps 1–5 (46% vs. 30%).
- Indicate they will take shelter-in-place steps 1–6 (44% vs. 28%).

Emergency Plans

- More residents who have read the emergency preparedness information in the annual CSEPP calendar:
 - Indicate they have a family emergency plan (56% vs. 22%).
 - Indicate they have a shelter-in-place kit with duct tape, plastic, and instructions (45 vs. 15%).
 - Indicate they have a disaster supply kit (50% vs. 35%).
 - Indicate they have each of the four components in their family emergency plan (familiar with the major roads and highways in their area, have a disaster supply kit, have a family meeting place, and have a shelter-in-place kit) compared to residents who have not read the calendar (20% vs. 5%).

IAS/Weather Radio

- More residents who have read the emergency preparedness information in the annual CSEPP calendar have an IAS/weather radio in their homes (57%) compared to residents who have not read the calendar (33%).

School Preparedness (K–12)

- A higher percentage of residents who have read the emergency preparedness information in the annual CSEPP calendar have children/grandchildren in a local school in grades K–12 (48%) compared to those residents who have not read the calendar (39%).
- More parents/grandparents who have read the emergency preparedness information in the annual CSEPP calendar:
 - Are familiar with the emergency plan at their children’s or grandchildren’s school(s) (58% vs. 27%).
 - Are confident that their children/grandchildren would be safe in the care of their school in the event of a chemical emergency (75% vs. 61%).
 - Are likely to get children/grandchildren when notified it is safe to do so (73% vs. 60%).

Have Received Emergency Preparedness Information

- When asked about how they have received information about how to prepare for a chemical emergency, a higher percentage of residents who have read the calendar:
 - Indicate they have received information from an informational pamphlet (62% vs. 34%), newspaper (47% vs. 37%), direct mail (47% vs. 26%), calendar (41% vs. 3%), community event or fair (25% vs. 7%), public meeting or presentation (18% vs. 5%), school meeting or presentation (10% vs. 3%), media sources⁴¹ (57% vs. 49%), or from interaction with officials⁴² (41% vs. 16%).

CONCLUSIONS AND RECOMMENDATIONS

The purpose of the Newport survey is to measure the effectiveness of existing public outreach efforts and provide information that will enable the community to focus on target areas and/or audiences for future outreach. After compiling all of the data received from the survey, the following is a summary of what appear to be signs of positive growth as well as room for improvement.

Recommendations are also included in the following sections and are suggestions for continued public education and promotion of public safety and preparedness through CSEPP. The suggestions listed may be used in any variation and as appropriate. In an attempt to enhance the current CSEPP outreach campaign and public education, the review and/or implementation of the recommendations aim to help focus and ease the planning and outreach process.

The survey results show that Newport EPZ residents have high knowledge levels in many areas surveyed. 95% of all residents indicate that they expect to be alerted of a chemical emergency at the Newport Chemical Depot through an IAS/weather radio, siren, TV, and/or AM/FM radio. Only 1% of all residents indicate they do not know how they would be alerted. Additionally, many residents were able to name the individual shelter-in-place steps. Specifically, 61% said they would shut off heating and cooling systems if instructed to shelter in place. This result is very encouraging because in similar public surveys collected at other CSEPP sites, very few residents have indicated that they would shut off heating and cooling systems when instructed to shelter in place. 30% of all residents named each of the six shelter-in-place steps, which is also a higher percentage than other CSEPP sites. When asked what actions they would take if instructed to evacuate, 84% indicated they would listen to an IAS/weather radio, AM/FM radio, and/or TV for further instructions. In addition, eight-in-ten (80%) residents indicate they know which township they live in.

⁴¹ This category includes a summary of the following responses: newspaper, TV and AM/FM radio

⁴² This category includes a summary of the following responses: community events, public presentations, school presentations, work, training, military, the fire department, local EMA, and/or CSEPP.

Although knowledge is high in many areas, there is room for improvement with preparedness efforts. For example, 31% of EPZ residents indicate they have a family preparedness plan. This is up from 17% in the December 2002 telephone survey; however, still under half of the population indicate they have a family preparedness plan. The two counties within the IRZ, Vermillion County, Indiana and Parke County, Indiana, have the highest percentage of residents who indicate they have a family preparedness plan with 44% and 40% respectively. When residents were asked about four components in their family preparedness plan—if they are familiar with the major roads and highways in their area, if they have a disaster supply kit, if they have a family meeting place, and if they have a shelter-in-place kit—only 9% indicated “yes” to each of these questions. Almost all residents (95%) indicated that they are familiar with the major roads and highways in their area; however, few have completed the other three components.

Newport Chemical Depot has been destroying chemical agent VX since May 5, 2005. While the demilitarization process continues, it is important for public outreach to focus in communities that are at the highest risk. Therefore, it is important to ensure that PAZ residents are getting outreach and know where to go to get additional information. But, the majority of targeted outreach should focus on assisting the IRZ residents to increase their preparedness and knowledge levels. As a result, the conclusions and recommendations will focus on the IRZ residents.

Maintain High Knowledge Levels

As mentioned above, survey results indicate that residents have high knowledge levels in crucial areas, such as preparedness, that will help them respond quickly and appropriately during a chemical emergency. It is important to increase outreach education when there are low levels of knowledge, and it is also important to maintain the high level of knowledge already achieved. CSEPP surveys across all sites have shown that knowledge levels begin to decrease if outreach is not conducted at the same consistency and on a continual basis. It is recommended that outreach education continues on a consistent schedule in order for residents to retain high levels of preparedness and knowledge.

Since the November 2002 telephone survey, many survey percentages have increased. The Newport community should focus on continually improving their outreach materials and products. Some suggestions on how to accomplish this are provided below.

According to the survey results and subsequent analysis, we recommend focusing future outreach education in four priority areas:

1. Shelter-In-Place
2. Family Emergency Planning
3. School CSEPP education

4. Public confidence in quick notification

In the following sections we have provided a summary of the survey results for each of the four priority areas, as well as suggestions for future outreach.

Shelter-in-Place

A high percentage of residents indicate they will take each shelter-in-place step as listed below:

- Step 1: Go inside or stay inside⁴³, 93%
- Step 2: Shut doors and windows, 76%
- Step 3: Shut off heating and cooling systems, 61%
- Step 4: Go into an interior or shelter room, 60%
- Step 5: Seal doors and windows of shelter room, 51%
- Step 6: Listen to AM/FM radio, TV, or IAS/weather radio for further instructions from emergency officials, 79%

It is important to maintain these high percentages in order to retain comprehension of proper steps in the event of a real emergency.

The survey analysis summarizes the percentage of residents who listed all six shelter-in-place steps. 30% of EPZ residents indicate they would take all six steps. Only 21% of residents indicate they have a shelter-in-place kit. Specifically, Parke County, IN IRZ residents (52%) and Vermillion County, IN IRZ residents (45%) indicate they have a shelter-in-place kit compared to the other County-EPZ groups (6–27%). In order for the citizens to take appropriate actions in the event of a chemical emergency, they must know all of the shelter-in-place steps and must have the tools available to execute each step.

We recommend ongoing shelter-in-place outreach, with an emphasis on targeting the IRZ residents. Shelter-in-place outreach materials should list all appropriate basic shelter-in-place steps in the order of priority, as shown above with the addition of a seventh step to exit shelter immediately when notified by emergency officials. Residents need enough information to retain an understanding of the proper actions to take for sheltering-in-place. However, avoid too much information and unnecessary details that may confuse the residents. Additionally, in printed outreach materials, the essential shelter-in-place steps should be emphasized (bolded or highlighted) while additional details can be shown in a regular font style.

Additional suggestions:

⁴³ This category includes all responses that indicate the resident would go or stay inside.

- Ensure all shelter-in-place information in outreach materials (such as the calendar, newspaper inserts/articles, pamphlets, and magnets) is displayed as a numbered list of all the basic shelter in place steps in order of priority. It is important for residents to be provided a consistent message across outreach materials.
- Make basic shelter-in-place steps easy for residents to remember. Employing a memory aid or emphasizing key words may be beneficial in helping residents to remember the shelter-in-place steps.
- Continue to reinforce the proper steps to shelter-in-place with easy bulleted lists during public and school presentations. Focus these efforts in the IRZ.

Family Emergency Planning

As mentioned above, although 31% of all residents indicate they have a family emergency/preparedness plan, only 9% of residents indicate they are familiar with the major roads and highways in their area, have a disaster supply kit (emergency supplies such as food, water, medications, first aid supplies, flashlight, and battery operated radio), have a family meeting place, and have a shelter-in-place kit. Almost all residents (95%) are familiar with the major roads and highways in the area; however, few have a disaster supply kit (32%), a family meeting place (31%), or a shelter-in-place kit (21%). More IRZ residents have a disaster supply kit and shelter-in-place kit compared to PAZ residents.

- More Parke County, IN IRZ residents (43%) and Vermillion County, IN IRZ residents (45%) have a disaster supply kit compared to other County-EPZ groups (22–36%).
- More Parke County, IN IRZ residents (52%) and Vermillion County, IN IRZ residents (45%) have a shelter shelter-in in-place kit compared to other County-EPZ groups (6–27%).

The evidence in the survey demonstrates a direct correlation between having a family emergency/preparedness plan and higher confidence in all other areas of disaster readiness. Family emergency preparedness and planning are addressed in current outreach materials. It is recommended that outreach education continue to include information on the basic components of a family preparedness plan, with an emphasis on the components that need the most improvement: foremost, a disaster supply kit, family meeting place, and shelter-in-place kit.

Additional suggestions:

- Continue to distribute shelter-in-place kits if possible and/or continue to provide residents with basic lists of items they need to include in their shelter-in-place kit.
- Promote family emergency planning and building a shelter in place kit, with efforts focused in the IRZ. Offer an easy solution to planning. Perhaps residents could make all-hazards or disaster supply kits and add

duct tape and plastic. Instead of several kits, residents could have one emergency kit that includes all of the important items. This could be promoted during public and school presentations.

- Use outreach materials that guide residents through the family emergency planning process. For example, provide spaces in the outreach materials for families to enter their family meeting place, out-of-town contact, and emergency phone numbers. Checklists could also be provided for families to use when they have gathered certain items for their emergency kit. These efforts could be tied into school CSEPP education in the form of school contests and prizes for students who complete family preparedness plan checklists.

School CSEPP Education

Although many parents/grandparents (64%) are confident their children/grandchildren will be safe in the care of their school during a chemical emergency, few (35%) are familiar with the school's emergency plan and many (78%) indicate they are likely to get their children/grandchildren from school. However, it is encouraging that only 18% intend to get their children/grandchildren immediately from school, and the other 60% intend to get them when notified it is safe to pick them up.

The numbers are slightly higher in the IRZ for those who are confident their children/grandchildren will be safe in the care of their school during a chemical emergency and those who are familiar with the school's emergency plan:

- 77% of Parke County, IN IRZ parents/grandparents and 75% of Vermillion County, IN IRZ parents/grandparents are confident their children/grandchildren will be safe in the care of their school during a chemical emergency.
- 54% of Parke County, IN IRZ parents/grandparents and 56% of Vermillion County, IN IRZ parents/grandparents indicate they are familiar with the school's emergency plan.

It is suggested that additional outreach on school CSEPP education continues, especially in the IRZ. It is important to help educate the 65% of parents/grandparents who indicate they are not familiar with the school's emergency plan. Focus on the IRZ parents/grandparents who plan to pick up their children/grandchildren immediately during a chemical emergency. Educate parents/grandparents that specific plans are in place to protect their children/grandchildren and encourage them to learn about the school's plans. The outreach should stress the fact that by attempting to pick up the children/grandchildren at school, before being notified to do so, they put themselves, their children/grandchildren, other students, and faculty at greater risk.

Additional suggestions:

- Integrate family emergency planning efforts within school safety programs. The goal of this campaign would be to have residents become more familiar with school emergency plans and understand that their children will be cared for during emergencies.
- Continue to use CSEPP best practices. The CSEPP program has several best practices in communicating emergency information in schools including presentations, student coloring books, and engaging school associations such as parent-teacher organizations.

Public Confidence in Quick Notification

Only 61% of residents indicate they are confident they will be notified quickly in the event of a chemical emergency. This result illustrates the importance of focused outreach messaging so that public trust of county emergency and depot personnel increases. Outreach materials should stress that warning systems will sound immediately in the event of a chemical emergency.

Additional suggestions:

- It may be beneficial to work with the depot outreach office to coordinate outreach messages.
- It may be beneficial to coordinate with trusted officials in the community when developing outreach materials. Include quotes and pictures of trusted officials in outreach materials in order to build trust.

Suggestions for Future Surveys

The Newport CSEPP community may want to consider adding a few more specific questions to their questionnaire when they conduct a future survey in order to gather more detailed information about EPZ residents. For example, the survey did not capture information on the individual townships where residents indicate that they reside. This type of information could be compared to the residents' addresses to decipher the percentage of residents that are able to name their correct township verses those who cannot. The Newport community should also consider asking questions about how residents expect to receive emergency instructions (i.e. notification) during an emergency, how they expect to be notified when it is safe to stop sheltering-in-place, and if they are confident they would be able to protect themselves and their families during a CSEPP event.

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APPENDIX A: SURVEY TEXT AND TABULATIONS

This section includes each of the survey questions from the July/August 2005 mail survey and their tabulated responses. Tabulated responses are included for the total sample of respondents and each IRZ/PAZ-County combination. Results from the December 2002 telephone survey are also included where applicable and are shaded to distinguish them from the survey results collected in the July/August 2005 mail survey.

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

Dear Head of Household:

Thank you for taking the time to answer the questions in this survey. The questions require you to check the answers that most closely reflect your opinion. Please answer as many questions as possible. There are no wrong answers. The information you provide will help your local emergency management agency and the Chemical Stockpile Emergency Preparedness Program (CSEPP) understand how people in the area would respond during a chemical emergency at the Newport Chemical Depot.

IRZ/PAZ and County Breakdowns

Table 5: IRZ/PAZ and County Breakdowns

Response	Raw Frequency ⁴⁴	Raw Percentage ⁴⁵	Weighted Percentage ⁴⁶
	July 2005	July 2005	July 2005
IRZ	211	12%	14%
Parke County, IN	60	3%	4%
Vermillion County, IN	151	9%	10%
PAZ	1560	88%	86%
Parke County, IN	489	28%	20%
Vermillion County, IN	359	20%	21%
Fountain County, IN	102	6%	21%
Edgar County, IL	127	7%	4%
Vermilion County, IL	483	27%	19%

⁴⁴ "Raw Frequency" refers to the actual number of surveys completed for each subgroup.

⁴⁵ "Raw Percentage" refers to the actual percentage of surveys completed for each subgroup.

⁴⁶ "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.

1. How would you be alerted of a chemical emergency at the Newport Chemical Depot?^{47,48}

Table 6: Summarized Open-Ended Responses to Question 1

Response	Total sample	IRZ Parke, IN		PAZ Parke, IN		IRZ Vermillion, IN		PAZ Vermillion, IN		PAZ Fountain, IN		PAZ Edgar, IL		PAZ Vermillion, IL	
	July 2005	Dec. 2002	July 2005	July 2005	July 2005	July 2005	July 2005	July 2005	July 2005	July 2005	July 2005	July 2005	July 2005	July 2005	July 2005
Television	67%	14%	75%	70%	56%	72%	50%	66%	82%						
Siren/Loudspeaker	52%	51%	73%	40%	61%	50%	60%	52%	46%						
AM/FM radio	45%	13%	37%	49%	32%	46%	40%	50%	49%						
Family/Friend	38%	2%	30%	37%	31%	41%	34%	53%	40%						
IAS/weather radio	32%	12%	55%	25%	74%	26%	36%	35%	14%						
Don't know	1%	16%	---	1%	---	1%	---	1%	2%						
Work (Depot/first responder)	1%	1%	2%	<1%	1%	1%	---	1%	<1%						
Other	1%	1%	---	1%	2%	1%	---	1%	1%						
Fire department	1%	---	---	---	---	1%	1%	---	1%						
Scanner	<1%	---	---	<1%	---	---	1%	---	1%						
Telephone	<1%	---	---	---	---	1%	---	---	<1%						

⁴⁷ Multiple responses were accepted for this question.

⁴⁸ In the December 2002 telephone survey, this question read: "How would you know if there were a chemical emergency at the Newport Chemical Depot?"

Response	Total sample July 2005	Total sample Dec. 2002	IRZ Parke, IN July 2005	PAZ Parke, IN July 2005	IRZ Vermillion, IN July 2005	PAZ Vermillion, IN July 2005	PAZ Fountain, IN July 2005	PAZ Edgar, IL July 2005	PAZ Vermillion, IL July 2005
	None	<1%	---	---	<1%	---	---	---	---
Internet/Email	<1%	---	---	---	---	<1%	---	---	<1%
Police	<1%	---	2%	1%	---	---	---	---	---

“Other” responses to question 1:

- CTVFD radio alert via VCSO radio
- Dead birds
- Fireman got paid out
- I was told we live too far for IAS; cannot hear siren; have dish and don't get local channels
- Many times, we are totally unaware
- My paper
- School announcement
- Siren, cannot hear
- Smoke signals
- The panic!
- VFD (Bridgeton)
- When I see everyone leaving the county

2. If you were instructed to shelter in place during a chemical emergency at the Newport Chemical Depot, which of the following would you do?^{49,50}

Table 7: Summarized Open-Ended Responses to Question 2

Response	Total sample July 2005	Total sample Dec. 2002	IRZ Parke, IN July 2005	PAZ Parke, IN July 2005	IRZ Vermillion, IN July 2005	PAZ Vermillion, IN July 2005	PAZ Fountain, IN July 2005	PAZ Edgar, IL July 2005	PAZ Vermillion, IL July 2005
Total responses for listen to IAS/weather radio, AM/FM radio, and/or TV for further instructions	79%	9%	82%	80%	83%	79%	77%	80%	77%
Shut doors and windows	76%	43%	75%	78%	73%	82%	75%	76%	72%
Listen to an AM/FM radio or TV	68%	---	68%	72%	59%	70%	61%	72%	74%
Shut off heating and cooling systems	61%	6%	67%	62%	67%	72%	51%	65%	52%
Go inside an interior room of a home or building	60%	22%	77%	65%	56%	67%	58%	52%	52%
Use plastic and duct tape to seal doors and windows	51%	42%	73%	49%	66%	57%	51%	41%	36%

⁴⁹ Multiple responses were accepted for this question.

⁵⁰ In the December 2002 telephone survey, this question read: ‘If you were instructed to shelter-in-place, what actions would you take?’

Response	Total sample July 2005	Total sample Dec. 2002	IRZ Parke, IN July 2005	PAZ Parke, IN July 2005	IRZ Vermillion, IN July 2005	PAZ Vermillion, IN July 2005	PAZ Fountain, IN July 2005	PAZ Edgar, IL July 2005	PAZ Vermillion, IL July 2005
	Listen to IAS/weather radio	34%	---	58%	27%	67%	28%	38%	39%
Evacuate	23%	8%	12%	21%	22%	18%	28%	32%	27%
Other	1%	1%	---	1%	2%	<1%	1%	1%	<1%
Stay inside/Shelter in place (general)	<1%	22%	---	---	---	<1%	---	---	---
Don't know	<1%	15%	---	1%	1%	---	---	2%	1%
Kneel/Pray	<1%	1%	---	---	1%	<1%	---	---	---
Depends on the situation	<1%	1%	---	<1%	---	---	---	---	---
Hysterical/Panic/Die	<1%	<1%	---	---	---	---	---	---	<1%
Make phone calls	<1%	<1%	---	<1%	1%	---	---	---	<1%
Go to home of family/friend	<1%	---	---	<1%	---	1%	---	---	<1%

“Other” responses to question 2:

- Check wind
- Crawl into a hole in the ground
- Don't live in affected area
- Have antidote ready
- I have not heard about action to do
- Nothing, VX is not an airborne hazard; this is blowing things way out of proportion
- Scanner
- Would check to make sure it wasn't another false alarm
- Would not be able to do anything about; kiss your butt goodbye
- You wouldn't have time
- Zip myself into a body bag

3. If you were instructed to evacuate during a chemical emergency at the Newport Chemical Depot, which of the following would you do?^{51,52}

Table 8: Summarized Open-Ended Responses to Question 3

Response	Total sample	IRZ Parke, IN		PAZ Parke, IN		IRZ Vermillion, IN		PAZ Vermillion, IN		PAZ Fountain, IN		PAZ Edgar, IL		PAZ Vermillion, IL	
	July 2005	Dec. 2002	July 2005	July 2005	July 2005	July 2005	July 2005	July 2005	July 2005	July 2005	July 2005	July 2005	July 2005	July 2005	July 2005
Total responses for listen to IAS/weather radio, TV, and/or AM/FM radio	84%	---	90%	86%	86%	86%	86%	81%	88%	85%	81%	85%	85%	81%	81%
Listen to an AM/FM radio or TV	75%	---	73%	80%	80%	62%	62%	74%	75%	76%	79%	76%	76%	79%	79%
Check wind direction	58%	19%	62%	53%	53%	63%	63%	52%	70%	52%	53%	70%	52%	53%	53%
Get personal items (pack clothes, food, water, gas)	50%	11%	52%	54%	54%	38%	38%	47%	53%	51%	53%	53%	51%	53%	53%

⁵¹ Multiple responses were accepted for this question.

⁵² In the December 2002 telephone survey this question read: “If you were instructed to evacuate, what actions would you take?”

Response	Total sample July 2005	Total sample Dec. 2002	IRZ Parke, IN July 2005	PAZ Parke, IN July 2005	IRZ Vermillion, IN July 2005	PAZ Vermillion, IN July 2005	PAZ Fountain, IN July 2005	PAZ Edgar, IL July 2005	PAZ Vermillion, IL July 2005
	Gather and evacuate pets	42%	---	43%	43%	39%	45%	37%	30%
Listen to IAS/weather radio	29%	---	53%	25%	62%	25%	29%	33%	15%
Get children from school	17%	---	13%	18%	14%	16%	14%	22%	25%
Would not evacuate	5%	3%	5%	9%	3%	6%	4%	2%	4%
Leave home or workplace/Get out of town/Get in car and go	4%	87%	3%	2%	3%	3%	7%	3%	2%
Gather and evacuate livestock	3%	---	5%	2%	3%	2%	3%	5%	2%
Don't know	<1%	3%	---	<1%	2%	---	---	1%	1%
Other	<1%	<1%	---	<1%	1%	1%	---	2%	<1%
Wait for/Contact family members before leaving	<1%	17%	---	1%	---	1%	---	---	1%
Await or follow instructions/Listen for help/Do what told (general)	<1%	6%	---	1%	---	1%	---	1%	---
Depends on circumstances	<1%	2%	---	1%	---	1%	---	---	---

Response	Total sample July 2005	Total sample Dec. 2002	IRZ Parke, IN July 2005	PAZ Parke, IN July 2005	IRZ Vermillion, IN July 2005	PAZ Vermillion, IN July 2005	PAZ Fountain, IN July 2005	PAZ Edgar, IL July 2005	PAZ Vermillion, IL July 2005
Tell neighbors and others to evacuate	<1%	4%	---	<1%	---	---	---	---	---
Go to work (Depot/first responder)	<1%	1%	---	---	---	---	---	1%	---

“Other” responses to question 3:

- 2.3-never got one
- Check map
- Don't have IAS
- Get into containment shelter
- Go to appointed shelter
- Stick my head between my legs and kiss my ass good bye
- Would evacuate if we were sure where to go

4. Do you or your family have an emergency plan?

Table 9: Responses to Question 4

Response	Total sample July 2005	Total sample Dec. 2002	IRZ Parke, IN July 2005	PAZ Parke, IN July 2005	IRZ Vermillion, IN July 2005	PAZ Vermillion, IN July 2005	PAZ Fountain, IN July 2005	PAZ Edgar, IL July 2005	PAZ Vermillion, IL July 2005
Yes	31%	17%	40%	33%	44%	30%	34%	28%	19%
No/Don't know	64%	83%	55%	63%	49%	67%	57%	69%	78%
Refused	5%	---	5%	5%	7%	3%	9%	3%	3%

5. Please check either yes or no for the following questions:⁵³

Table 10: Responses to Question 5

Question	Total sample July 2005	IRZ Parke, IN July 2005	PAZ Parke, IN July 2005	IRZ Vermillion, IN July 2005	PAZ Vermillion, IN July 2005	PAZ Fountain, IN July 2005	PAZ Edgar, IL July 2005	PAZ Vermillion, IL July 2005
Are you familiar with the names of the major roads and highways in your area?	95%	95%	97%	93%	94%	95%	98%	95%

⁵³ The Newport site added this series of questions in the July 2005 mail survey. Affirmative responses are provided in the table.

Question	Total sample July 2005	IRZ Parke, IN July 2005	PAZ Parke, IN July 2005	IRZ Vermillion, IN July 2005	PAZ Vermillion, IN July 2005	PAZ Fountain, IN July 2005	PAZ Edgar, IL July 2005	PAZ Vermillion, IL July 2005
	“Yes”	“Yes”	“Yes”	“Yes”	“Yes”	“Yes”	“Yes”	“Yes”
In the event of an emergency, do you have a family meeting place?	31%	30%	31%	40%	29%	35%	31%	22%
Do you have a shelter-in-place kit with duct tape, plastic, and instructions?	21%	52%	18%	45%	17%	27%	7%	6%
Do you have a disaster supply kit (emergency supplies such as food, water, medications, first aid supplies, flashlight, and battery-operated radio)?	32%	43%	36%	45%	31%	30%	22%	25%

6. Do you have an Indoor Alert System (IAS) or weather radio in your home?⁵⁴

Table 11: Responses to Question 6

Response	Total sample July 2005	IRZ Parke, IN July 2005	PAZ Parke, IN July 2005	IRZ Vermillion, IN July 2005	PAZ Vermillion, IN July 2005	PAZ Fountain, IN July 2005	PAZ Edgar, IL July 2005	PAZ Vermilion, IL July 2005
Yes	38%	62%	28%	81%	33%	41%	39%	22%
No	60%	37%	71%	19%	66%	55%	60%	75%
Refused	2%	2%	1%	1%	1%	4%	1%	2%

7. Do you have children or grandchildren in a local school in grades K-12?⁵⁵

Table 12: Responses to Question 7

Response	Total sample July 2005	Total sample Dec. 2002	IRZ Parke, IN July 2005	PAZ Parke, IN July 2005	IRZ Vermillion, IN July 2005	PAZ Vermillion, IN July 2005	PAZ Fountain, IN July 2005	PAZ Edgar, IL July 2005	PAZ Vermilion, IL July 2005
	Yes	42%	29%	43%	44%	48%	40%	41%	35%
No	56%	71%	55%	55%	50%	59%	57%	65%	54%
Refused	2%	---	2%	1%	2%	2%	2%	---	1%

⁵⁴ The Newport site added this question in July 2005.

⁵⁵ The Newport site added “or grandchildren” to this question for the July 2005 mail survey.

Respondents with children or grandchildren in a local school (K–12) answered questions 8–11.

8. Are you familiar with the emergency plan at your children’s or grandchildren’s school(s)?⁵⁶

Table 13: Responses to Question 8

Response	Total sample July 2005 (n=754)	IRZ Parke, IN July 2005 (n=26)	PAZ Parke, IN July 2005 (n=213)	IRZ Vermillion, IN July 2005 (n=73)	PAZ Vermillion, IN July 2005 (n=142)	PAZ Fountain, IN July 2005 (n=42)	PAZ Edgar, IL July 2005 (n=45)	PAZ Vermillion, IL July 2005 (n=213)
Yes	35%	54%	39%	56%	37%	31%	29%	17%
No	64%	38%	60%	42%	63%	69%	69%	82%
Refused	1%	8%	1%	1%	1%	---	2%	1%

⁵⁶ The Newport site added this question in the July 2005 mail survey.

9. Are you confident that your children or grandchildren would be safe in the care of their school in the event of a chemical emergency at the Newport Chemical Depot?⁵⁷

Table 14: Responses to Question 9

Response	Total sample July 2005 (n=754)	Total sample Dec. 2002 (n=162)	IRZ Parke, IN July 2005 (n=26)	PAZ Parke, IN July 2005 (n=213)	IRZ Vermillion, IN July 2005 (n=73)	PAZ Vermillion, IN July 2005 (n=142)	PAZ Fountain, IN July 2005 (n=42)	PAZ Edgar, IL July 2005 (n=45)	PAZ Vermillion, IL July 2005 (n=213)
Total confident responses	64%	53%	77%	64%	75%	64%	64%	60%	53%
Total not confident responses	31%	41%	8%	32%	21%	33%	29%	36%	42%
Responded both "Yes" and "No"	1%	---	12%	1%	---	---	---	---	---
Don't know	---	6%	---	---	---	---	---	---	---
Refused	4%	---	4%	2%	4%	3%	7%	4%	5%

10. In the event of a chemical emergency at the Newport Chemical Depot, do you know not to go to the school to get your children or grandchildren?⁵⁸

Note: The wording for this question originally read: "In the event of a chemical emergency at the Newport Chemical Depot, would you go to the school to get your children or grandchildren?" The question wording was changed to the above wording before the questionnaires were sent out to the Newport residents. As a result of this change, a great deal of confusion among

⁵⁷ In the December 2002 telephone 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 Newport Chemical Depot?"

⁵⁸ In the December 2002 telephone survey, this question read: "In the event of a chemical emergency at the Newport Chemical Depot, are you likely or unlikely to go to the school to get your child/children?" Because of the question wording change in July 2005 the results are not comparable.

survey respondents occurred. Based on the responses from question 10b, IEM estimated⁵⁹ parents' and grandparents' likelihood to go to school during a chemical emergency at the Newport Chemical Depot. These results are shown in the table below.

Table 15: Estimated Parents'/Grandparents' Likelihood of Going to School during a Chemical Emergency

Response	Total sample July 2005 (n=754)	IRZ Parke, IN July 2005 (n=26)	PAZ Parke, IN July 2005 (n=213)	IRZ Vermillion, IN July 2005 (n=73)	PAZ Vermillion, IN July 2005 (n=142)	PAZ Fountain, IN July 2005 (n=42)	PAZ Edgar, IL July 2005 (n=45)	PAZ Vermillion, IL July 2005 (n=213)
Yes	78%	77%	82%	86%	80%	81%	56%	68%
No	20%	15%	16%	11%	18%	17%	40%	30%
Refused	3%	8%	2%	3%	2%	2%	4%	3%

⁵⁹ IEM estimated the likelihood of parents/grandparents going to school during a chemical emergency by assuming that if the parents/grandparents marked an answer in question 10b then they were likely to go to school and if they did not mark an answer in question 10b they were not likely to go to school.

If respondents answered “no” to question 10, they were directed to skip 10b.

10b. Would you pick up your children or grandchildren from school immediately or when notified that it is safe to do so?⁶⁰

Table 16: Responses to Question 10b

Response	Parents likely to get their kids July 2005 (n=573) ⁶¹	IRZ Parke, IN parents likely to get their kids July 2005 (n=20)	PAZ Parke, IN parents likely to get their kids July 2005 (n=174)	IRZ Vermillion, IN parents likely to get their kids July 2005 (n=63)	PAZ Vermillion, IN parents likely to get their kids July 2005 (n=113)	PAZ Fountain, IN parents likely to get their kids July 2005 (n=34)	PAZ Edgar, IL parents likely to get their kids July 2005 (n=25)	PAZ Vermillion, IL parents likely to get their kids July 2005 (n=144)
Immediately	23%	20%	25%	11%	21%	21%	28%	36%
When notified it is safe to do so	77%	80%	75%	89%	79%	79%	72%	64%

⁶⁰ The Newport site added this question in July 2005.

⁶¹ This refers to residents who were estimated to be likely to pick up their children or grandchildren from school during a chemical emergency at the Newport Chemical Depot.

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

Table 17: Summary of Responses to Question 10a and 10b

Response	Percent of all parents July 2005 (n=754)	Percent of all IRZ Parke, IN parents July 2005 (n=26)	Percent of all PAZ Parke, IN parents July 2005 (n=213)	Percent of all IRZ Vermillion, IN parents July 2005 (n=73)	Percent of all PAZ Vermillion, IN parents July 2005 (n=142)	Percent of all PAZ Fountain, IN parents July 2005 (n=42)	Percent of all PAZ Edgar, IL parents July 2005 (n=45)	Percent of all PAZ Vermillion, IL parents July 2005 (n=213)
Likely to go to children's school immediately	18%	15%	20%	10%	17%	17%	16%	24%
Likely to go to children's school when notified it is safe to do so	60%	62%	62%	77%	63%	64%	40%	43%
Not likely to go to children's school	22%	23%	18%	14%	20%	19%	44%	32%

11. How have you received information about how to prepare for a chemical emergency?^{62,63}

Table 18: Summarized Open-Ended Responses to Question 11

Response	Total sample July 2005	IRZ Parke, IN July 2005	PAZ Parke, IN July 2005	IRZ Vermillion, IN July 2005	PAZ Vermillion, IN July 2005	PAZ Fountain, IN July 2005	PAZ Edgar, IL July 2005	PAZ Vermillion, IL July 2005
Informational pamphlet or flier	39%	62%	42%	58%	45%	37%	36%	17%
Newspaper	39%	40%	45%	42%	44%	31%	41%	33%
Word-of-mouth	30%	33%	28%	39%	33%	28%	31%	24%
Direct mail	29%	40%	31%	41%	33%	32%	20%	12%
AM/FM radio	26%	32%	30%	30%	24%	24%	28%	24%
Calendar	13%	28%	15%	19%	9%	22%	2%	1%
Community event or fair	12%	17%	18%	19%	10%	11%	13%	2%
Public meeting or presentation	9%	15%	8%	21%	6%	10%	10%	4%
Have not received any information	8%	---	8%	2%	5%	6%	7%	18%
School meeting or presentation	5%	3%	6%	7%	7%	3%	4%	2%

⁶² The Newport site added this question in July 2005.⁶³ Multiple responses were accepted for this question.

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Response	Total sample July 2005	IRZ Parke, IN July 2005	PAZ Parke, IN July 2005	IRZ Vermillion, IN July 2005	PAZ Vermillion, IN July 2005	PAZ Fountain, IN July 2005	PAZ Edgar, IL July 2005	PAZ Vermillion, IL July 2005
Shelter-in-place video	3%	5%	2%	7%	2%	8%	1%	<1%
Television	2%	2%	2%	1%	1%	4%	2%	2%
Work/Training (Depot/first responder)	2%	5%	1%	3%	3%	1%	1%	2%
Other	1%	2%	1%	3%	1%	1%	2%	2%
Military training	1%	---	2%	---	1%	1%	2%	<1%
Family/Friends	1%	---	1%	1%	1%	---	1%	1%
Fire department	<1%	---	---	---	1%	---	---	1%
Local Emergency Management Agency	<1%	---	---	---	<1%	---	---	1%
CSEPP	<1%	---	<1%	1%	---	---	1%	---
Don't know	---	---	---	---	---	---	---	---

“Other” responses to question 11:

- 0
- Alert system
- Common sense
- Don't know how to prepare
- Fire department
- Have been told safe practice assumed—is this not true?
- Haven't paid attention
- Haven't read any
- I don't worry about it.
- IAS
- Internet
- Jehovah witnesses
- Jobsite—NECDF
- Just moved here
- Local news
- Message at Home Ec's 4h building
- Need info (video)
- Needs info
- Personal knowledge
- Telephone
- USMC
- VFD
- What we think we should do
- When I receive my weather radio
- Who thought this one up?

12. Are you confident that the public will be notified quickly in case of a chemical emergency at the Newport Chemical Depot?⁶⁴

Table 19: Responses to Question 12

Response	Total sample	Total sample	IRZ Parke, IN	PAZ Parke, IN	IRZ Vermillion, IN	PAZ Vermillion, IN	PAZ Fountain, IN	PAZ Edgar, IL	PAZ Vermillion, IL
	July 2005 (n=1771)	Dec. 2002 (n = 549)	July 2005 (n=60)	July 2005 (n=489)	July 2005 (n=151)	July 2005 (n=359)	July 2005 (n=102)	July 2005 (n=127)	July 2005 (n=483)
Total confident	61%	66%	77%	60%	65%	66%	61%	62%	51%
Total not confident	34%	27%	22%	35%	31%	29%	36%	29%	43%
Responded both "Yes" and "No"	<1%	---	2%	---	---	---	---	---	---
Don't know	---	7%	---	---	---	---	---	---	---
Refused	5%	---	---	5%	4%	4%	3%	9%	6%

13. Have you read the emergency preparedness information in the annual Chemical Stockpile Emergency Preparedness Calendar?⁶⁵

Table 20: Responses to Question 13

Response	Total sample	IRZ Parke, IN	PAZ Parke, IN	IRZ Vermillion, IN	PAZ Vermillion, IN	PAZ Fountain, IN	PAZ Edgar, IL	PAZ Vermillion, IL
	July 2005	July 2005	July 2005	July 2005	July 2005	July 2005	July 2005	July 2005
Yes	36%	63%	33%	47%	27%	36%	---	---
No	61%	35%	63%	50%	70%	60%	---	---
Refused	3%	2%	4%	3%	3%	4%	---	---

⁶⁴ In the December 2002 telephone survey, this question read: "How confident are you that the public will be notified quickly in case of a chemical emergency at the Newport Chemical Depot?"

⁶⁵ The Newport site added this question in July 2005.

14. Do you know which township you live in?⁶⁶

Table 21: Responses to Question 14

Response	Total sample July 2005	IRZ Parke, IN July 2005	PAZ Parke, IN July 2005	IRZ Vermillion, IN July 2005	PAZ Vermillion, IN July 2005	PAZ Fountain, IN July 2005	PAZ Edgar, IL July 2005	PAZ Vermillion, IL July 2005
Yes	80%	87%	93%	93%	90%	95%	41%	38%
No	5%	13%	5%	7%	8%	4%	2%	2%
Refused	15%	---	2%	---	1%	1%	57%	60%

15. Do you or any member of your household, have any physical or mental condition that would prevent you or them from being able to shelter in place or evacuate?⁶⁷

Table 22: Responses to Question 15

Response	Total sample July 2005	IRZ Parke, IN July 2005	PAZ Parke, IN July 2005	IRZ Vermillion, IN July 2005	PAZ Vermillion, IN July 2005	PAZ Fountain, IN July 2005	PAZ Edgar, IL July 2005	PAZ Vermillion, IL July 2005
Yes	6%	8%	6%	7%	7%	6%	4%	4%
No	78%	90%	92%	89%	90%	91%	37%	36%
Refused	16%	2%	2%	4%	3%	3%	59%	60%

IF YES, Please contact your local emergency management agency (EMA) office to put your or their name on a special needs list.

Thank you for taking the time to complete the survey. Please bring the completed questionnaire to your county fair and receive a flashlight, or mail it back to us.

⁶⁶ The Newport site added this question in July 2005.

⁶⁷ The Newport site added this question in July 2005.

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APPENDIX B: CROSS TABULATIONS

Appendix B contains the cross tabulations from the July/August 2005 Public Awareness Survey of the Chemical Stockpile Emergency Preparedness Program (CSEPP) site in Newport, Indiana. 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, tables for 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. How would you be alerted of a chemical emergency at the Newport Chemical Depot?^{68,69}

Table 23: Responses to Question 1

	Total responses for AM/FM radio, TV, and siren	Total responses for TV and AM/FM radio	Total responses for Siren or IAS	Television	Siren/ Loudspeaker	AM/FM radio	Family/ Friend	IAS or weather radio
Total Sample	95%	74%	67%	67%	52%	45%	38%	32%
Respondent Returned the Questionnaire by Mail or Fair								
Mail	96%	73%	66%	69%	51%	43%	37%	29%
Fair	95%	75%	72%	63%	54%	47%	39%	40%
Respondent has a Family Emergency Plan								
Yes	97%	69%	79%	61%	53%	50%	34%	50%

⁶⁸ Multiple responses were accepted for this question.

⁶⁹ In the December 2002 telephone survey, this question read: "How would you know if there were a chemical emergency at the Newport Chemical Depot?"

1. How would you be alerted of a chemical emergency at the Newport Chemical Depot?

No	95%	77%	61%	71%	51%	43%	40%	23%
NA/Refused	88%	68%	72%	59%	53%	32%	22%	38%

Respondent has a Shelter-in-place Kit

Yes	99%	67%	84%	60%	52%	42%	30%	68%
No	95%	76%	63%	69%	52%	45%	40%	22%
NA/Refused	85%	73%	68%	61%	49%	48%	36%	31%

Respondent has an Indoor Alert System (IAS)/Weather Radio

Yes	98%	65%	89%	57%	51%	42%	28%	74%
No	94%	81%	54%	74%	52%	47%	43%	6%
NA/Refused	74%	56%	48%	52%	46%	23%	36%	2%

Respondent has Children in School (K-12)

Yes	95%	72%	67%	67%	51%	45%	41%	32%
No	96%	76%	68%	68%	52%	45%	35%	32%
NA/Refused	78%	49%	73%	46%	47%	17%	23%	37%

Respondent Likelihood to get Children/Grandchildren from School

Likely to get them immediately	93%	74%	53%	69%	45%	47%	47%	19%
--------------------------------	-----	-----	-----	-----	-----	-----	-----	-----

1. How would you be alerted of a chemical emergency at the Newport Chemical Depot?

Likely to get them when notified it is safe	96%	69%	73%	66%	54%	45%	40%	39%
Not likely to get them from school	93%	79%	61%	69%	48%	43%	40%	22%

Respondent is Confident that the Public will be Notified Quickly in Case of an Emergency at NECD

Yes	97%	75%	73%	68%	54%	45%	36%	37%
No	93%	73%	59%	66%	49%	44%	39%	23%
NA/Refused	86%	72%	54%	60%	37%	41%	42%	30%

Respondent Has Read the Information in the CSEPP Calendar

Yes	98%	69%	81%	63%	57%	43%	32%	52%
No	94%	72%	65%	64%	51%	43%	39%	27%
NA/Refused	91%	67%	73%	47%	42%	45%	24%	43%

Household Member has a Physical or Mental Condition

Yes	96%	84%	72%	81%	57%	45%	40%	34%
No	96%	72%	69%	64%	52%	44%	37%	34%
NA/Refused	92%	84%	56%	77%	46%	45%	40%	20%

2. If you were instructed to shelter in place during a chemical emergency at the Newport Chemical Depot, which of the following would you do?^{70,71}

Table 24: Responses to Question 2

	Total responses for listen to IAS, AM/FM radio and/or TV	Shut windows and doors	Listen to an AM/FM radio or TV	Shut off heating and cooling systems	Go inside an interior room of a home or building	Use plastic and duct tape to seal doors and windows	Listen to IAS or weather radio	Evacuate
Total Sample	79%	76%	68%	61%	60%	51%	34%	23%
Respondent Returned the Questionnaire by Mail or Fair								
Mail	78%	75%	68%	59%	59%	48%	30%	25%
Fair	80%	80%	69%	69%	64%	59%	43%	20%
Respondent has a Family Emergency Plan								
Yes	85%	82%	66%	73%	71%	70%	50%	23%
No	77%	75%	70%	55%	56%	43%	25%	23%
NA/Refused	71%	57%	53%	49%	47%	38%	36%	28%
Respondent has a Shelter-in-place Kit								
Yes	93%	86%	68%	77%	73%	86%	68%	12%
No	76%	74%	69%	56%	57%	42%	24%	26%

⁷⁰ Multiple responses were accepted for this question.

⁷¹ In the December 2002 telephone survey, this question read: ‘If you were instructed to shelter-in-place, what actions would you take?’

2. If you were instructed to shelter in place during a chemical emergency at the Newport Chemical Depot, which of the following would you do?

	Total responses for listen to IAS, AM/FM radio and/or TV	Shut windows and doors	Listen to an AM/FM radio or TV	Shut off heating and cooling systems	Go inside an interior room of a home or building	Use plastic and duct tape to seal doors and windows	Listen to IAS or weather radio	Evacuate
NA/Refused	64%	59%	51%	64%	45%	40%	29%	28%
Respondent has an Indoor Alert System (IAS)/Weather Radio								
Yes	88%	78%	61%	67%	63%	61%	76%	19%
No	74%	76%	73%	57%	59%	45%	8%	27%
NA/Refused	54%	59%	52%	43%	54%	37%	4%	13%
Respondent has Children in School (K-12)								
Yes	78%	76%	67%	62%	61%	56%	33%	23%
No	80%	77%	69%	60%	60%	47%	34%	24%
NA/Refused	64%	54%	45%	47%	51%	41%	37%	11%
Respondent Likelihood to get Children/Grandchildren from School								
Likely to get them immediately	66%	71%	60%	57%	51%	49%	19%	41%
Likely to get them when notified it is safe	82%	81%	69%	67%	67%	64%	41%	20%
Not likely to get them from school	75%	67%	67%	53%	55%	41%	24%	18%
Respondent is Confident that the Public will be Notified Quickly in Case of an Emergency at NECD								
Yes	83%	81%	69%	66%	64%	56%	40%	20%

2. If you were instructed to shelter in place during a chemical emergency at the Newport Chemical Depot, which of the following would you do?

	Total responses for listen to IAS, AM/FM radio and/or TV	Shut windows and doors	Listen to an AM/FM radio or TV	Shut off heating and cooling systems	Go inside an interior room of a home or building	Use plastic and duct tape to seal doors and windows	Listen to IAS or weather radio	Evacuate
No	72%	70%	67%	52%	55%	43%	23%	32%
NA/Refused	82%	66%	67%	52%	55%	40%	34%	7%
Respondent Has Read the Information in the CSEPP Calendar								
Yes	84%	81%	66%	73%	67%	69%	50%	16%
No	77%	76%	68%	56%	61%	47%	29%	26%
NA/Refused	85%	69%	50%	64%	53%	57%	48%	11%
Household Member has a Physical or Mental Condition								
Yes	75%	82%	65%	69%	68%	59%	41%	45%
No	80%	77%	68%	61%	62%	53%	35%	21%
NA/Refused	77%	70%	72%	54%	50%	39%	23%	25%

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.

Shelter-in-Place (SIP) Steps:

1. Stay inside, or go inside if you are outside.

2. If you were instructed to shelter in place during a chemical emergency at the Newport Chemical Depot, which of the following would you do?

2. Close all doors to the outside, and close and lock all windows.
3. Turn off all air conditioning, heating, exhaust, and ventilation systems and fans.
4. Go into a central room with the least number of windows, such as a bathroom or interior closet.
5. In shelter room, use duct tape and plastic to seal doors and windows.
6. Listen to an AM/FM radio, television, or IAS/weather radio for further instructions from emergency officials.
7. When notified by emergency officials, exit the shelter and listen for further instructions.

Note: The survey did not gather sufficient information in order to quantify Step 7.

The summary columns include the percentage of residents who indicate they would take a combination of shelter-in-place steps. For instance, the column “Summary of Steps 1–2” refers to all residents who said they would take SIP steps 1 and 2, and “Summary of Steps 1–6” refers to all residents who said they would take SIP steps 1, 2, 3, 4, 5, and 6.

Table 25: Shelter-In-Place (SIP) Steps

	SIP Step 1	SIP Step 2	SIP Step 3	SIP Step 4	SIP Step 5	SIP Step 6	Summary of Steps 1-2	Summary of Steps 1-3	Summary of Steps 1-4	Summary of Steps 1-5	Summary of Steps 1-6
Total Sample	93%	76%	61%	60%	51%	79%	76%	59%	44%	32%	30%
Respondent Returned the Questionnaire by Mail or Fair											
Mail	93%	80%	66%	64%	59%	80%	80%	65%	50%	29%	27%
Fair	91%	75%	59%	59%	48%	78%	75%	56%	41%	41%	38%
Respondent has a Family Emergency Plan											
Yes	94%	82%	73%	71%	70%	85%	82%	71%	58%	49%	47%
No	91%	75%	55%	56%	43%	77%	75%	54%	38%	25%	23%

2. If you were instructed to shelter in place during a chemical emergency at the Newport Chemical Depot, which of the following would you do?

NA/Refused	80%	57%	49%	47%	38%	71%	57%	46%	36%	27%	26%
Respondent has a Shelter-in-place Kit											
Yes	98%	86%	77%	73%	86%	93%	86%	74%	60%	57%	56%
No	90%	74%	56%	57%	42%	76%	74%	54%	40%	26%	23%
NA/Refused	82%	59%	64%	45%	40%	64%	59%	58%	39%	30%	27%
Respondent has an Indoor Alert System (IAS)/Weather Radio											
Yes	94%	78%	67%	63%	61%	88%	78%	65%	50%	41%	40%
No	90%	76%	57%	59%	45%	74%	76%	55%	40%	27%	24%
NA/Refused	68%	59%	43%	54%	37%	54%	59%	41%	33%	26%	26%
Respondent has Children in School (K-12)											
Yes	92%	76%	62%	61%	56%	78%	76%	59%	46%	37%	33%
No	91%	77%	60%	60%	47%	80%	77%	58%	43%	29%	28%
NA/Refused	73%	54%	47%	51%	41%	64%	54%	43%	34%	24%	24%
Respondent Likelihood to get Children/Grandchildren from School											
Likely to get them immediately	87%	71%	57%	51%	49%	66%	71%	54%	37%	30%	28%
Likely to get them when notified it is safe	95%	81%	67%	67%	64%	82%	81%	65%	51%	42%	38%
Not likely to get them from school	89%	67%	53%	55%	41%	75%	67%	49%	38%	28%	25%

2. If you were instructed to shelter in place during a chemical emergency at the Newport Chemical Depot, which of the following would you do?

Respondent is Confident that the Public will be Notified Quickly in Case of an Emergency at NECD

Yes	95%	81%	66%	64%	56%	83%	81%	64%	48%	36%	33%
No	85%	70%	52%	55%	43%	72%	70%	51%	38%	27%	25%
NA/Refused	91%	66%	52%	55%	40%	82%	66%	46%	36%	24%	24%

Respondent Has Read the Information in the CSEPP Calendar

Yes	95%	81%	73%	67%	69%	84%	81%	70%	55%	46%	44%
No	90%	76%	56%	61%	47%	77%	76%	55%	42%	30%	28%
NA/Refused	87%	69%	64%	53%	57%	85%	69%	60%	44%	32%	32%

Household Member has a Physical or Mental Condition

Yes	93%	82%	69%	68%	59%	75%	82%	69%	57%	41%	37%
No	92%	77%	61%	62%	53%	80%	77%	59%	44%	33%	31%
NA/Refused	88%	70%	54%	50%	39%	77%	70%	52%	37%	24%	22%

3. If you were instructed to evacuate during a chemical emergency at the Newport Chemical Depot, which of the following would you do?^{72,73}

Table 26: Responses to Question 3

Total responses for IAS, AM/FM radio and/or TV, and wait or follow instructions	Total responses for IAS, AM/FM radio and/or TV	Listen to an AM/FM radio or TV	Check wind direction	Get personal items (pack clothes, food, water, gas)	Gather and evacuate pets	List to the IAS or wear her radio	Total responses for getting children from school and wait/contact family	Get children from school	Would not evacuate	Leave home or workplace	Gather and evacuate livestock
Total Sample	85%	84%	58%	50%	42%	29%	18%	17%	5%	4%	3%
Respondent Returned the Questionnaire by Mail or Fair											
Mail	86%	84%	57%	52%	41%	26%	19%	17%	6%	4%	2%
Fair	84%	86%	58%	50%	42%	37%	17%	19%	4%	1%	4%
Respondent has a Family Emergency Plan											
Yes	91%	91%	64%	55%	44%	45%	24%	23%	6%	3%	4%
No	82%	82%	55%	48%	42%	21%	16%	16%	5%	4%	2%

⁷² Multiple responses were accepted for this question.

⁷³ In the December 2002 telephone survey this question read: “If you were instructed to evacuate, what actions would you take?”

3. If you were instructed to evacuate during a chemical emergency at the Newport Chemical Depot, which of the following would you do?

NA/Refused	75%	75%	58%	59%	42%	20%	31%	6%	5%	2%	5%	---
Respondent has a Shelter-in-place Kit												
Yes	94%	94%	74%	68%	49%	40%	59%	15%	15%	4%	3%	3%
No	83%	82%	76%	55%	51%	43%	21%	19%	19%	5%	4%	3%
NA/Refused	71%	71%	58%	42%	51%	21%	29%	14%	12%	6%	---	1%
Respondent has an Indoor Alert System (IAS)/Weather Radio												
Yes	89%	89%	68%	65%	48%	41%	65%	16%	16%	3%	5%	3%
No	83%	83%	81%	54%	52%	43%	7%	19%	19%	6%	3%	3%
NA/Refused	49%	49%	46%	40%	44%	15%	3%	6%	6%	10%	---	2%
Respondent has Children in School (K-12)												
Yes	84%	84%	75%	58%	50%	43%	28%	34%	33%	4%	3%	3%
No	85%	85%	76%	58%	51%	41%	29%	6%	6%	6%	4%	3%
NA/Refused	70%	70%	50%	42%	36%	20%	40%	---	---	10%	---	---
Respondent Likelihood to get Children/Grandchildren from School												
Likely to get them immediately	79%	79%	73%	57%	57%	48%	16%	62%	62%	2%	3%	2%
Likely to get them when notified it is safe	88%	87%	76%	59%	50%	43%	35%	22%	22%	4%	4%	3%

3. If you were instructed to evacuate during a chemical emergency at the Newport Chemical Depot, which of the following would you do?

Not likely to get them from school	81%	81%	74%	55%	57%	37%	20%	41%	41%	3%	2%	1%
Respondent is Confident that the Public will be Notified Quickly in Case of an Emergency at NECD												
Yes	87%	87%	76%	57%	52%	40%	35%	16%	84%	6%	4%	3%
No	80%	80%	76%	61%	48%	46%	19%	23%	78%	5%	4%	3%
NA/Refused	80%	79%	67%	46%	39%	22%	31%	9%	93%	4%	1%	1%
Respondent Has Read the Information in the CSEPP Calendar												
Yes	88%	88%	73%	59%	51%	38%	46%	16%	16%	6%	3%	3%
No	84%	84%	76%	59%	49%	44%	24%	16%	15%	6%	5%	3%
NA/Refused	84%	84%	52%	62%	47%	28%	46%	8%	8%	4%	---	---
Household Member has a Physical or Mental Condition												
Yes	90%	90%	82%	55%	56%	35%	32%	15%	15%	10%	3%	3%
No	86%	85%	75%	58%	50%	43%	31%	17%	17%	5%	4%	3%
NA/Refused	77%	77%	72%	55%	51%	38%	20%	23%	22%	4%	2%	2%

4. Do you or your family have an emergency plan?

Table 27: Responses to Question 4

	Yes	No	NA/Refused
Total Sample	31%	64%	5%
Respondent Returned the Questionnaire by Mail or Fair			
Mail	28%	66%	6%
Fair	40%	58%	3%
Respondent has a Shelter-in-place Kit			
Yes	71%	25%	4%
No	20%	76%	4%
NA/Refused	28%	31%	40%
Respondent has an Indoor Alert System (IAS)/Weather Radio			
Yes	47%	48%	5%
No	22%	75%	3%
NA/Refused	22%	31%	47%
Respondent has Children in School (K–12)			
Yes	35%	61%	4%
No	29%	67%	4%
NA/Refused	10%	36%	53%
Respondent Likelihood to get Children/Grandchildren from School			
Likely to get them immediately	40%	59%	1%
Likely to get them when notified it is safe	38%	58%	4%
Not likely to get them from school	22%	70%	9%

4. Do you or your family have an emergency plan?

	Yes	No	NA/Refused
Respondent is Confident that the Public will be Notified Quickly in Case of an Emergency at NECD			
Yes	36%	59%	5%
No	24%	73%	3%
NA/Refused	17%	64%	19%
Respondent Has Read the Information in the CSEPP Calendar			
Yes	56%	38%	7%
No	22%	74%	4%
NA/Refused	26%	45%	30%
Household Member has a Physical or Mental Condition			
Yes	42%	54%	5%
No	33%	63%	4%
NA/Refused	20%	72%	8%

5. Please check either yes or no for the following questions:

a. Are you familiar with the names of the major roads and highways in your area?⁷⁴

Table 28: Responses to Question 5a

	Yes	No	NA/Refused
Total Sample	95%	3%	2%
Respondent Returned the Questionnaire by Mail or Fair			
Mail	95%	4%	2%
Fair	97%	2%	2%
Respondent has a Family Emergency Plan			
Yes	97%	1%	2%
No	95%	4%	1%
NA/Refused	80%	4%	16%
Respondent has a Shelter-in-place Kit			
Yes	97%	2%	1%
No	96%	3%	1%
NA/Refused	68%	---	32%
Respondent has an Indoor Alert System (IAS)/Weather Radio			
Yes	96%	3%	1%
No	95%	3%	1%
NA/Refused	69%	---	31%
Respondent has Children in School (K-12)			
Yes	95%	2%	2%
No	96%	4%	1%
NA/Refused	71%	3%	26%

⁷⁴ The Newport site added this question in July 2005.

5a. Are you familiar with the names of the major roads and highways in your area?

	Yes	No	NA/Refused
Respondent Likelihood to get Children/Grandchildren from School			
Likely to get them immediately	94%	3%	4%
Likely to get them when notified it is safe	96%	2%	1%
Not likely to get them from school	94%	3%	3%
Respondent is Confident that the Public will be Notified Quickly in Case of an Emergency at NECD			
Yes	95%	3%	2%
No	96%	3%	1%
NA/Refused	91%	1%	8%
Respondent Has Read the Information in the CSEPP Calendar			
Yes	96%	2%	2%
No	95%	4%	1%
NA/Refused	89%	2%	9%
Household Member has a Physical or Mental Condition			
Yes	86%	9%	5%
No	96%	3%	1%
NA/Refused	94%	3%	3%

5b. In the event of an emergency, do you have a family meeting place?⁷⁵

Table 29: Responses to Question 5b

	Yes	No	NA/Refused
Total Sample	31%	63%	6%
Respondent Returned the Questionnaire by Mail or Fair			
Mail	28%	65%	7%
Fair	38%	57%	5%
Respondent has a Family Emergency Plan			
Yes	74%	21%	5%
No	11%	85%	4%
NA/Refused	15%	45%	40%
Respondent has a Shelter-in-place Kit			
Yes	58%	36%	7%
No	24%	73%	3%
NA/Refused	17%	13%	70%
Respondent has an Indoor Alert System (IAS)/Weather Radio			
Yes	40%	54%	6%
No	25%	69%	6%
NA/Refused	28%	37%	35%
Respondent has Children in School (K-12)			
Yes	35%	60%	5%
No	28%	66%	6%
NA/Refused	14%	37%	50%
Respondent Likelihood to get Children/Grandchildren from School			
Likely to get them immediately	40%	55%	5%

⁷⁵ The Newport site added this question in July 2005.

5b. In the event of an emergency, do you have a family meeting place?

	Yes	No	NA/Refused
Likely to get them when notified it is safe	37%	59%	4%
Not likely to get them from school	26%	66%	8%
Respondent is Confident that the Public will be Notified Quickly in Case of an Emergency at NECD			
Yes	33%	61%	6%
No	28%	67%	5%
NA/Refused	23%	56%	21%
Respondent Has Read the Information in the CSEPP Calendar			
Yes	48%	43%	9%
No	25%	71%	5%
NA/Refused	20%	54%	26%
Household Member has a Physical or Mental Condition			
Yes	34%	56%	10%
No	32%	63%	6%
NA/Refused	25%	66%	9%

5c. Do you have a shelter-in-place kit with duct tape, plastic, and instructions?⁷⁶

Table 30: Responses to Question 5c

	Yes	No	NA/Refused
Total Sample	21%	75%	3%
Respondent Returned the Questionnaire by Mail or Fair			
Mail	18%	79%	3%
Fair	30%	67%	4%
Respondent has a Family Emergency Plan			
Yes	48%	49%	3%
No	8%	90%	2%
NA/Refused	18%	54%	28%
Respondent has an Indoor Alert System (IAS)/Weather Radio			
Yes	41%	57%	3%
No	9%	88%	3%
NA/Refused	20%	45%	35%
Respondent has Children in School (K-12)			
Yes	22%	75%	3%
No	20%	77%	3%
NA/Refused	20%	40%	40%
Respondent Likelihood to get Children/Grandchildren from School			
Likely to get them immediately	21%	74%	5%
Likely to get them when notified it is safe	27%	71%	2%
Not likely to get them from school	9%	85%	7%

⁷⁶ The Newport site added this question in July 2005.

5c. Do you have a shelter-in-place kit with duct tape, plastic, and instructions?

	Yes	No	NA/Refused
Respondent is Confident that the Public will be Notified Quickly in Case of an Emergency at NECD			
Yes	25%	72%	3%
No	14%	83%	2%
NA/Refused	12%	68%	20%
Respondent Has Read the Information in the CSEPP Calendar			
Yes	45%	51%	4%
No	15%	83%	2%
NA/Refused	19%	58%	23%
Household Member has a Physical or Mental Condition			
Yes	20%	76%	4%
No	24%	73%	3%
NA/Refused	8%	85%	7%

- 5d. Do you have a disaster supply kit (emergency supplies such as food, water, medications, first aid supplies, flashlight, and battery-operated radio)?⁷⁷

Table 31: Responses to Question 5d

	Yes	No	NA/Refused
Total Sample	32%	64%	3%
Respondent Returned the Questionnaire by Mail or Fair			
Mail	30%	66%	3%
Fair	37%	60%	3%
Respondent has a Family Emergency Plan			
Yes	57%	40%	2%
No	21%	78%	2%
NA/Refused	27%	43%	30%
Respondent has a Shelter-in-place Kit			
Yes	66%	29%	4%
No	23%	76%	1%
NA/Refused	27%	24%	49%
Respondent has an Indoor Alert System (IAS)/Weather Radio			
Yes	46%	50%	3%
No	24%	74%	2%
NA/Refused	18%	36%	46%
Respondent has Children in School (K–12)			
Yes	30%	66%	4%
No	34%	64%	2%
NA/Refused	29%	27%	44%

⁷⁷ The Newport site added this question in July 2005.

5d. Do you have a disaster supply kit (emergency supplies such as food, water, medications, first aid supplies, flashlight, and battery-operated radio)?

	Yes	No	NA/Refused
Respondent Likelihood to get Children/Grandchildren from School			
Likely to get them immediately	31%	67%	2%
Likely to get them when notified it is safe	34%	63%	3%
Not likely to get them from school	20%	73%	7%
Respondent is Confident that the Public will be Notified Quickly in Case of an Emergency at NECD			
Yes	36%	61%	2%
No	26%	70%	3%
NA/Refused	24%	60%	16%
Respondent Has Read the Information in the CSEPP Calendar			
Yes	50%	46%	3%
No	25%	72%	3%
NA/Refused	37%	44%	19%
Household Member has a Physical or Mental Condition			
Yes	25%	73%	2%
No	34%	63%	3%
NA/Refused	27%	68%	6%

6. Do you have an Indoor Alert System (IAS) or weather radio in your home?⁷⁸

Table 32: Responses to Question 6

	Yes	No	NA/Refused
Total Sample	38%	60%	2%
Respondent Returned the Questionnaire by Mail or Fair			
Mail	35%	63%	3%
Fair	46%	54%	1%
Respondent has a Family Emergency Plan			
Yes	57%	42%	1%
No	29%	71%	1%
NA/Refused	40%	41%	19%
Respondent has a Shelter-in-place Kit			
Yes	73%	25%	2%
No	29%	70%	1%
NA/Refused	28%	52%	20%
Respondent has Children in School (K-12)			
Yes	37%	60%	2%
No	38%	60%	1%
NA/Refused	41%	40%	19%
Respondent Likelihood to get Children/Grandchildren from School			
Likely to get them immediately	24%	75%	1%
Likely to get them when notified it is safe	43%	54%	3%
Not likely to get them from school	31%	66%	3%

⁷⁸ The Newport site added this question in July 2005.

6. Do you have an Indoor Alert System (IAS) or weather radio in your home?

	Yes	No	NA/Refused
Respondent is Confident that the Public will be Notified Quickly in Case of an Emergency at NECD			
Yes	44%	55%	1%
No	29%	68%	3%
NA/Refused	31%	62%	7%
Respondent Has Read the Information in the CSEPP Calendar			
Yes	57%	43%	1%
No	33%	65%	2%
NA/Refused	51%	40%	9%
Household Member has a Physical or Mental Condition			
Yes	40%	58%	1%
No	40%	58%	2%
NA/Refused	27%	70%	3%

7. Do you have children or grandchildren in a local school in grades K–12?⁷⁹

Table 33: Responses to Question 7

	Yes	No	NA/Refused
Total Sample	42%	56%	2%
Respondent Returned the Questionnaire by Mail or Fair			
Mail	37%	61%	2%
Fair	55%	44%	0%
Respondent has a Family Emergency Plan			
Yes	48%	52%	1%
No	40%	59%	1%
NA/Refused	37%	47%	16%
Respondent has a Shelter-in-place Kit			
Yes	44%	54%	1%
No	42%	57%	1%
NA/Refused	42%	41%	17%
Respondent has an Indoor Alert System (IAS)/Weather Radio			
Yes	42%	57%	2%
No	43%	56%	1%
NA/Refused	52%	33%	14%
Respondent Likelihood to get Children/Grandchildren from School			
Likely to get them immediately	100%	---	---
Likely to get them when notified it is safe	100%	---	---
Not likely to get them from school	100%	---	---

⁷⁹ The Newport site added “or grandchildren” to this question for the July 2005 mail survey.

7. Do you have children or grandchildren in a local school in grades K–12?

	Yes	No	NA/Refused
Respondent is Confident that the Public will be Notified Quickly in Case of an Emergency at NECD			
Yes	42%	56%	2%
No	44%	56%	0%
Responded both yes and no	100%	---	---
NA/Refused	32%	60%	8%
Respondent Has Read the Information in the CSEPP Calendar			
Yes	48%	51%	1%
No	39%	59%	2%
NA/Refused	54%	41%	6%
Household Member has a Physical or Mental Condition			
Yes	34%	64%	2%
No	43%	56%	1%
NA/Refused	42%	54%	4%

8. Are you familiar with the emergency plan at your children's or grandchildren's school(s)?⁸⁰

Table 34: Responses to Question 8

	Yes	No
Total Sample	35%	64%
Respondent Returned the Questionnaire by Mail or Fair		
Mail	27%	71%
Fair	48%	51%
Respondent has a Family Emergency Plan		
Yes	55%	45%
No	22%	76%
NA/Refused	48%	44%
Respondent has a Shelter-in-place Kit		
Yes	57%	42%
No	28%	71%
NA/Refused	40%	55%
Respondent has an Indoor Alert System (IAS)/Weather Radio		
Yes	45%	54%
No	29%	70%
NA/Refused	28%	72%
Respondent has Children in School (K-12)		
Yes	35%	64%
Likely to get them immediately	29%	71%

⁸⁰ The Newport site added this question in the July 2005 mail survey.

8. Are you familiar with the emergency plan at your children's or grandchildren's school(s)?

	Yes	No
Likely to get them when notified it is safe	42%	58%
Not likely to get them from school	20%	76%
Respondent is Confident that the Public will be Notified Quickly in Case of an Emergency at NECD		
Yes	39%	59%
No	27%	73%
NA/Refused	41%	54%
Respondent Has Read the Information in the CSEPP Calendar		
Yes	58%	40%
No	27%	72%
NA/Refused	26%	74%
Household Member has a Physical or Mental Condition		
Yes	25%	75%
No	38%	61%
NA/Refused	20%	77%

9. Are you confident that your children or grandchildren would be safe in the care of their school in the event of a chemical emergency at the Newport Chemical Depot?⁸¹

Table 35: Responses to Question 9

	Yes	No	NA/Refused
Total Sample	64%	31%	4%
Respondent Returned the Questionnaire by Mail or Fair			
Mail	61%	33%	5%
Fair	68%	28%	3%
Respondent has a Family Emergency Plan			
Yes	69%	27%	4%
No	62%	34%	4%
NA/Refused	44%	31%	21%
Respondent has a Shelter-in-place Kit			
Yes	71%	22%	5%
No	62%	34%	3%
NA/Refused	45%	31%	24%
Respondent has an Indoor Alert System (IAS)/Weather Radio			
Yes	73%	21%	6%
No	60%	37%	2%
NA/Refused	18%	58%	24%
Respondent has Children in School (K-12)			
Yes	64%	31%	4%
Likely to get them immediately	42%	56%	1%
Likely to get them when notified it is safe	75%	21%	3%

⁸¹ In the December 2002 telephone 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 Newport Chemical Depot?”

9. Are you confident that your children or grandchildren would be safe in the care of their school in the event of a chemical emergency at the Newport Chemical Depot?

	Yes	No	NA/Refused
Not likely to get them from school	50%	39%	10%
Respondent is Confident that the Public will be Notified Quickly in Case of an Emergency at NECD			
Yes	83%	13%	3%
No	33%	64%	3%
NA/Refused	45%	18%	33%
Respondent Has Read the Information in the CSEPP Calendar			
Yes	75%	21%	3%
No	61%	34%	4%
NA/Refused	58%	23%	19%
Household Member has a Physical or Mental Condition			
Yes	61%	34%	2%
No	67%	29%	4%
NA/Refused	49%	44%	7%

10. In the event of a chemical emergency at the Newport Chemical Depot, do you know not to go to the school to get your children or grandchildren?⁸²

Note: The wording for this question originally read: “In the event of a chemical emergency at the Newport Chemical Depot, would you go to the school to get your children or grandchildren?” The question wording was changed to the above wording before the questionnaires were sent out to the Newport residents. As a result of this change, a great deal of confusion among survey respondents occurred. Based on the responses from question 10b, IEM estimated⁸³ parents’ and grandparents’ likelihood to go to school during a chemical emergency at the Newport Chemical Depot. These results are shown in the table below.

Table 36: Responses to Question 10

	Yes	No
Total Sample	78%	20%
Respondent Returned the Questionnaire by Mail or Fair		
Mail	75%	21%
Fair	82%	16%
Respondent has a Family Emergency Plan		
Yes	86%	13%
No	74%	23%
NA/Refused	55%	28%
Respondent has a Shelter-in-place Kit		
Yes	91%	7%
No	75%	23%
NA/Refused	55%	21%
Respondent has an Indoor Alert System (IAS)/Weather Radio		
Yes	81%	16%

⁸² In the December 2002 telephone survey, this question read: “In the event of a chemical emergency at the Newport Chemical Depot, are you likely or unlikely to go to the school to get your child/children?” Because of the question wording change in July 2005 the results are not comparable.

⁸³ IEM estimated the likelihood of parents/grandparents going to school during a chemical emergency by assuming that if the parents/grandparents marked an answer in question 10b then they were likely to go to school and if they did not mark an answer in question 10b they were not likely to go to school.

10. In the event of a chemical emergency at the Newport Chemical Depot, would you go to the school to get your children or grandchildren?

	Yes	No
No	76%	22%
NA/Refused	74%	6%
Respondent has Children in School (K-12)		
Yes	78%	20%
Respondent Likelihood to get Children/Grandchildren from School		
Likely to get them immediately	100%	---
Likely to get them when notified it is safe	100%	---
Not likely to get them from school children	---	88%
Respondent is Confident that the Public will be Notified Quickly in Case of an Emergency at NECD		
Yes	80%	18%
No	75%	21%
NA/Refused	59%	32%
Respondent Has Read the Information in the CSEPP Calendar		
Yes	90%	9%
No	78%	20%
NA/Refused	52%	30%
Household Member has a Physical or Mental Condition		
Yes	95%	5%
No	80%	18%
NA/Refused	60%	32%

10b. Would you pick up your children or grandchildren from school immediately or when notified that it is safe to do so?⁸⁴

Table 37: Responses to Question 10b

	Likely to get children when notified it is safe	Not likely to get children from school	Likely to get children immediately
Total Sample	60%	22%	18%
Respondent Returned the Questionnaire by Mail or Fair			
Mail	54%	25%	21%
Fair	69%	18%	13%
Respondent has a Family Emergency Plan			
Yes	65%	14%	21%
No	57%	26%	17%
NA/Refused	50%	45%	5%
Respondent has a Shelter-in-place Kit			
Yes	74%	9%	18%
No	57%	25%	18%
NA/Refused	30%	45%	25%
Respondent has an Indoor Alert System (IAS)/Weather Radio			
Yes	70%	19%	12%
No	53%	24%	22%
NA/Refused	66%	26%	8%
Respondent has Children in School (K-12)			
Yes	60%	22%	18%
Respondent is Confident that the Public will be Notified Quickly in Case of an Emergency at NECD			
Yes	68%	20%	12%
No	47%	25%	28%

⁸⁴ Percentages in this table are based on responses of all parents (n=754).

10b. Would you pick up your children or grandchildren from school immediately or when notified that it is safe to do so?

	Likely to get children when notified it is safe	Not likely to get children from school	Likely to get children immediately
NA/Refused	45%	41%	14%
Respondent Has Read the Information in the CSEPP Calendar			
Yes	73%	10%	16%
No	60%	22%	17%
NA/Refused	46%	48%	6%
Household Member has a Physical or Mental Condition			
Yes	59%	5%	35%
No	64%	20%	16%
NA/Refused	37%	40%	23%

11. How have you received information about how to prepare for a chemical emergency?^{85,86}

Table 38: Responses to Question 11

	Total responses for calendar, direct mail, pamphlet, flyer, and SIP video	Total responses for Newspaper, TV, and AM/FM radio	Informational pamphlet or flyer	Newspaper	Total responses for word-of-mouth, family, and friends	Word-of-mouth	Direct mail	AM/FM radio	Total responses for community events, public presentations, school presentations, work, training, military, fire dept, local EMA, and CSEPP	Calendar	Community Event or Fair	Public meeting or presentation	Have not received any information	School meeting or presentation	Shelter-in-place video	TV	Work/ Training
Total Sample	54%	50%	39%	39%	30%	30%	29%	26%	22%	13%	12%	9%	8%	5%	3%	2%	2%
Respondent Returned the Questionnaire by Mail or Fair																	
Mail	64%	58%	36%	37%	34%	29%	27%	24%	37%	10%	6%	7%	10%	4%	2%	2%	2%
Fair	50%	47%	46%	45%	29%	33%	35%	33%	16%	19%	25%	14%	2%	8%	7%	2%	2%
Respondent has a Family Emergency Plan																	
Yes	70%	57%	51%	44%	33%	33%	39%	35%	36%	23%	20%	14%	2%	9%	9%	1%	2%
No	46%	47%	33%	37%	29%	29%	24%	23%	15%	8%	7%	6%	11%	3%	1%	2%	2%
NA/Refused	58%	40%	43%	29%	22%	22%	26%	18%	23%	17%	13%	17%	2%	3%	---	5%	1%

⁸⁵ The Newport site added this question in July 2005.

⁸⁶ Multiple responses were accepted for this question.

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

	Total responses for calendar, direct mail, pamphlet, flyer, and SIP video	Total responses for Newspaper, TV, and AM/FM radio	Informational pamphlet or flyer	Newspaper	Total responses for word-of-mouth, family, and friends	Word-of-mouth	Direct mail	AM/FM radio	Total responses for community events, school presentations, work, training, military, fire dept., local EMA, and CSEPP	Calendar	Community Event or Fair	Public meeting or presentation	Have not received any information	School meeting or presentation	Shelter-in-place video	TV	Work/ Training
Respondent has a Shelter-in-place Kit																	
Yes	82%	58%	65%	45%	26%	26%	45%	31%	42%	27%	24%	22%	0%	8%	12%	1%	3%
No	47%	48%	32%	38%	32%	31%	25%	25%	17%	9%	8%	5%	10%	4%	1%	2%	2%
NA/Refused	44%	36%	25%	23%	24%	24%	21%	24%	19%	16%	12%	9%	2%	10%	4%	7%	---
Respondent has an Indoor Alert System (IAS)/Weather Radio																	
Yes	65%	54%	49%	44%	29%	29%	36%	29%	31%	18%	15%	16%	4%	6%	7%	2%	3%
No	47%	47%	32%	36%	31%	31%	25%	25%	17%	10%	9%	5%	10%	5%	1%	2%	1%
NA/Refused	48%	51%	39%	41%	12%	12%	19%	16%	6%	---	---	6%	3%	---	14%	2%	---
Respondent has Children in School (K-12)																	
Yes	55%	49%	40%	37%	33%	32%	27%	24%	24%	15%	13%	9%	6%	6%	5%	2%	2%
No	54%	51%	38%	41%	29%	28%	31%	28%	21%	11%	11%	9%	9%	4%	2%	2%	2%

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

	Total responses for calendar, direct mail, pamphlet, flyer, and SIP video	Total responses for Newspaper, TV, and AM/FM radio	Informational pamphlet or flyer	Newspaper	Total responses for word-of-mouth, family, and friends	Word-of-mouth	Direct mail	AM/FM radio	Total responses for community events, public presentations, school presentations, work, training, military, fire dept., local EMA, and CSEPP	Calendar	Community Event or Fair	Public meeting or presentation	Have not received any information	School meeting or presentation	Shelter-in-place video	TV	Work/ Training
NA/Refused	47%	37%	39%	20%	16%	16%	21%	17%	11%	7%	3%	7%	---	---	---	14%	---
Respondent Likelihood to get Children/Grandchildren from School																	
Likely to get them immediately	47%	39%	34%	28%	32%	32%	19%	21%	22%	10%	11%	9%	11%	5%	1%	2%	1%
Likely to get them when notified it is safe	62%	55%	46%	42%	35%	35%	30%	28%	30%	20%	16%	11%	3%	8%	7%	2%	2%
Not likely to get them from school children	42%	39%	27%	32%	27%	26%	23%	14%	11%	5%	7%	3%	11%	1%	3%	5%	1%
Respondent is Confident that the Public will be Notified Quickly in Case of an Emergency at NECD																	
Yes	59%	56%	43%	45%	32%	31%	33%	31%	26%	16%	14%	11%	5%	6%	4%	2%	2%

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

	Total responses for calendar, direct mail, pamphlet, flyer, and SIP video	Total responses for Newspaper, TV, and AM/FM radio	Informational pamphlet or flyer	Newspaper	Total responses for word-of-mouth, family, and friends	Word-of-mouth	Direct mail	AM/FM radio	Total responses for community events, public presentations, school presentations, work, training, military, fire dept., local EMA, and CSEPP	Calendar	Community Event or Fair	Public meeting or presentation	Have not received any information	School meeting or presentation	Shelter-in-place video	TV	Work/ Training
No	47%	41%	33%	31%	29%	28%	22%	19%	17%	9%	8%	6%	12%	4%	2%	2%	1%
NA/Refused	36%	31%	27%	25%	21%	21%	20%	13%	12%	4%	5%	7%	14%	2%	2%	3%	1%
Respondent Has Read the Information in the CSEPP Calendar																	
Yes	87%	57%	62%	47%	31%	30%	47%	31%	41%	41%	25%	18%	---	10%	8%	1%	2%
No	48%	49%	34%	37%	33%	32%	26%	25%	16%	3%	7%	5%	8%	3%	2%	3%	2%
NA/Refused	50%	34%	40%	30%	18%	18%	24%	19%	19%	5%	6%	15%	9%	---	---	---	---
Household Member has a Physical or Mental Condition																	
Yes	59%	57%	39%	49%	44%	43%	26%	32%	16%	13%	6%	6%	4%	5%	1%	1%	1%
No	59%	51%	42%	40%	30%	30%	33%	27%	25%	15%	13%	10%	6%	5%	4%	2%	2%
NA/Refused	27%	39%	22%	30%	25%	43%	12%	20%	12%	13%	5%	6%	16%	2%	1%	3%	2%

12. Are you confident that the public will be notified quickly in case of a chemical emergency at the Newport Chemical Depot?⁸⁷

Table 39: Responses to Question 12

	Yes	No	NA/Refused
Total Sample	61%	34%	5%
Respondent Returned the Questionnaire by Mail or Fair			
Mail	58%	37%	5%
Fair	68%	29%	4%
Respondent has a Family Emergency Plan			
Yes	70%	27%	3%
No	56%	39%	5%
NA/Refused	62%	21%	18%
Respondent has a Shelter-in-place Kit			
Yes	73%	24%	3%
No	58%	38%	4%
NA/Refused	50%	23%	27%
Respondent has an Indoor Alert System (IAS)/Weather Radio			
Yes	70%	26%	4%
No	56%	39%	5%
NA/Refused	34%	49%	16%
Respondent has Children in School (K-12)			
Yes	61%	36%	4%
No	61%	34%	5%
NA/Refused	68%	8%	24%

⁸⁷ In the December 2002 telephone survey, this question read: “How confident are you that the public will be notified quickly in case of a chemical emergency at the Newport Chemical Depot?”

12. Are you confident that the public will be notified quickly in case of a chemical emergency at the Newport Chemical Depot?

	Yes	No	NA/Refused
Respondent Likelihood to get Children/Grandchildren from School			
Likely to get them immediately	41%	55%	3%
Likely to get them when notified it is safe	69%	28%	3%
Not likely	54%	40%	7%
Respondent Has Read the Information in the CSEPP Calendar			
Yes	77%	20%	3%
No	56%	41%	4%
NA/Refused	60%	19%	21%
Household Member has a Physical or Mental Condition			
Yes	57%	38%	4%
No	63%	33%	4%
NA/Refused	50%	41%	9%

13. Have you read the emergency preparedness information in the annual Chemical Stockpile Emergency Preparedness Calendar?⁸⁸

Note: Only Indiana residents answered this question.

Table 40: Responses to Question 13

	Yes	No	NA/Refused
Total Sample	36%	61%	3%
Respondent Returned the Questionnaire by Mail or Fair			
Mail	31%	64%	4%
Fair	45%	53%	2%
Respondent has a Family Emergency Plan			
Yes	58%	40%	3%
No	23%	75%	3%
NA/Refused	42%	40%	18%
Respondent has a Shelter-in-place Kit			
Yes	62%	35%	3%
No	26%	71%	3%
NA/Refused	41%	37%	22%
Respondent has an Indoor Alert System (IAS)/Weather Radio			
Yes	48%	47%	4%
No	27%	71%	2%
NA/Refused	16%	68%	17%
Respondent has Children in School (K-12)			
Yes	40%	56%	4%
No	33%	65%	3%

⁸⁸ The Newport site added this question in July 2005.

13. Have you read the emergency preparedness information in the annual Chemical Stockpile Emergency Preparedness Calendar?

	Yes	No	NA/Refused
NA/Refused	21%	67%	12%
Respondent Likelihood to get Children/Grandchildren from School			
Likely to get them immediately	40%	59%	2%
Likely to get them when notified it is safe	45%	52%	3%
Not likely to pick up children	22%	67%	11%
Respondent is Confident that the Public will be Notified Quickly in Case of an Emergency at NECD			
Yes	43%	54%	3%
No	22%	76%	2%
Responded both yes and no	---	100%	---
NA/Refused	28%	54%	18%
Household Member has a Physical or Mental Condition			
Yes	31%	66%	3%
No	36%	61%	3%
NA/Refused	30%	36%	34%

14. Do you know which township you live in?⁸⁹

Table 41: Responses to Question 14

	Yes	No	NA/Refused
Total Sample	80%	5%	15%
Respondent Returned the Questionnaire by Mail or Fair			
Mail	78%	5%	17%
Fair	85%	6%	10%
Respondent has a Family Emergency Plan			
Yes	87%	4%	9%
No	77%	6%	17%
NA/Refused	78%	4%	18%
Respondent has a Shelter-in-place Kit			
Yes	92%	4%	4%
No	77%	6%	18%
NA/Refused	76%	5%	19%
Respondent has an Indoor Alert System (IAS)/Weather Radio			
Yes	86%	4%	10%
No	77%	6%	17%
NA/Refused	63%	4%	33%
Respondent has Children in School (K-12)			
Yes	79%	6%	15%
No	81%	5%	14%
NA/Refused	75%	4%	21%

⁸⁹ The Newport site added this question in July 2005.

14. Do you know which township you live in?

	Yes	No	NA/Refused
Respondent Likelihood to get Children/Grandchildren from School			
Likely to get them immediately	77%	4%	18%
Likely to get them when notified it is safe	84%	6%	10%
Not likely tp pick up children	68%	5%	27%
Respondent is Confident that the Public will be Notified Quickly in Case of an Emergency at NECD			
Yes	83%	5%	12%
No	75%	6%	19%
NA/Refused	73%	2%	25%
Respondent Has Read the Information in the CSEPP Calendar			
Yes	94%	5%	1%
No	92%	7%	1%
NA/Refused	87%	2%	11%
Household Member has a Physical or Mental Condition			
Yes	84%	13%	2%
No	94%	5%	1%
NA/Refused	11%	2%	87%

15. Do you or any member of your household have any physical or mental condition that would prevent you or them from being able to shelter-in-place or evacuate?⁹⁰

Table 42: Responses to Question 15

	Yes	No	NA/Refused
Total Sample	6%	78%	16%
Respondent Returned the Questionnaire by Mail or Fair			
Mail	7%	75%	18%
Fair	4%	85%	10%
Respondent has a Family Emergency Plan			
Yes	8%	82%	10%
No	5%	77%	18%
NA/Refused	6%	67%	27%
Respondent has a Shelter-in-place Kit			
Yes	6%	88%	6%
No	6%	76%	18%
NA/Refused	7%	60%	32%
Respondent has an Indoor Alert System (IAS)/Weather Radio			
Yes	6%	82%	11%
No	6%	76%	19%
NA/Refused	4%	68%	28%
Respondent has Children in School (K-12)			
Yes	5%	79%	16%
No	7%	78%	16%
NA/Refused	8%	54%	38%

⁹⁰ The Newport site added this question in July 2005.

15. Do you or any member of your household have any physical or mental condition that would prevent you or them from being able to shelter-in-place or evacuate?

	Yes	No	NA/Refused
Respondent Likelihood to get Children/Grandchildren from School			
Likely to get them immediately	9%	71%	20%
Likely to get them when notified it is safe	5%	85%	10%
Not likely tp pick up children	1%	70%	29%
Respondent is Confident that the Public will be Notified Quickly in Case of an Emergency at NECD			
Yes	6%	81%	13%
No	7%	74%	19%
NA/Refused	5%	64%	31%
Respondent Has Read the Information in the CSEPP Calendar			
Yes	6%	92%	2%
No	7%	91%	2%
NA/Refused	7%	68%	26%